Call: HORIZON-CL6-2022-GOVERNANCE-01

(Innovative governance, environmental observations and digital solutions in support of the Green Deal)

Topic: HORIZON-CL6-2022-GOVERNANCE-01-15

Type of Action: HORIZON-CSA

Proposal number: 101086449

Proposal acronym: WATERNET4AGRI

Type of Model Grant Agreement: HORIZON Action Grant Budget-Based

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Proposal ID **101086449**

Acronym **WATERNET4AGRI**

1 - General information

Fields marked * are mandatory to fill.

Topic	HORIZON-CL6-2022-GOVERNANCE-01-15	Type of Action	HORIZON-CSA
Call	HORIZON-CL6-2022-GOVERNANCE-01	Type of Model Grant Agreement	HORIZON-AG

Acronym: WATERNET4AGRI

Proposal title: A EUROPEAN ADVISORY NETWORK FOR SUSTAINABLE USE OF WATER IN AGRICULTURE

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months: 60

Fixed keyword 1: Agriculture, Rural Development, Fisheries

Free keywords: *Advisory network, sustainable water use, agriculture knowledge and innovation systems (AKIS), farmers support, sustainable policies, irrigation, water retnetion, water quality, water co-governance*

Abstract *

This project aims to establish an EU advisory network on water use, increasing the exchange of knowledge and best practices on optimized water use and management, and supporting the translation of knowledge into application across the 27 EU Member States (while acknowledging and addressing relevant differences between European regions and states). Specifically, by empowering and supporting advisors and relevant stakeholders, WATERNET4AGRI aims to contribute to (1) modernizing water use and management in the agricultural sector by promoting the integration of advanced practices, tools and approaches; (2) promoting the implementation of multi-actor, bottom-up and collaborative approaches for co-creation of efficient solutions that addresses real-life water management related problems of farmers, policy makers and other stakeholders; and (3) integration of water advisors in Member States AKIS by equipping them with knowledge and skills to deliver training to farmers, support policy making process, lead local initiatives, and promote the uptake of science and innovation by all local stakeholders. The network activities will focus on four thematic areas which cover a large portion of challenges related to water quantity, quality sustainable management: irrigation, water retention, water pollution and water governance and collaborative approaches. The activities will include training for water advisors and relevant stakeholders (framers, policy makers, etc.), as well as policy-related workshops and instruments within the scope of the four above-mentioned themes. In the long run, the project is expected to contribute to the transition towards digitalized and sustainable agricultural sector, bridge relevant actors to create better farming, policies and cooperation between stakeholders, and support the achievement of objectives related to the Zero Pollution Action Plan and the Farm to Fork Strategy of the European Green Deal.

Remaining characters 50

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under any EU programme, including the current call? ○ Yes ◉ No

Please give the proposal reference or contract number.

Administrative forms

Proposal ID **101086449**

Acronym **WATERNET4AGRI**

Declarations

Field(s) marked * are mandatory to fill.

1) We declare to have the explicit consent of all applicants on their participation and on the content of this proposal. *	☒
2) We confirm that the information contained in this proposal is correct and complete and that none of the project activities have started before the proposal was submitted (unless explicitly authorised in the call conditions).	☒
3) We declare: - to be fully compliant with the eligibility criteria set out in the call - not to be subject to any exclusion grounds under the EU Financial Regulation 2018/1046 - to have the financial and operational capacity to carry out the proposed project.	☒
4) We acknowledge that all communication will be made through the Funding & Tenders Portal electronic exchange system and that access and use of this system is subject to the Funding & Tenders Portal Terms and Conditions.	☒
5) We have read, understood and accepted the Funding & Tenders Portal Terms & Conditions and Privacy Statement that set out the conditions of use of the Portal and the scope, purposes, retention periods, etc. for the processing of personal data of all data subjects whose data we communicate for the purpose of the application, evaluation, award and subsequent management of our grant, prizes and contracts (including financial transactions and audits).	☒
6) We declare that the proposal complies with ethical principles (including the highest standards of research integrity as set out in the ALLEA European Code of Conduct for Research Integrity, as well as applicable international and national law, including the Charter of Fundamental Rights of the European Union and the European Convention on Human Rights and its Supplementary Protocols. Appropriate procedures, policies and structures are in place to foster responsible research practices, to prevent questionable research practices and research misconduct, and to handle allegations of breaches of the principles and standards in the Code of Conduct.	☒
7) We declare that the proposal has an exclusive focus on civil applications (activities intended to be used in military application or aiming to serve military purposes cannot be funded). If the project involves dual-use items in the sense of Regulation 2021/821, or other items for which authorisation is required, we confirm that we will comply with the applicable regulatory framework (e.g. obtain export/import licences before these items are used).	☒
8) We confirm that the activities proposed do not - aim at human cloning for reproductive purposes; - intend to modify the genetic heritage of human beings which could make such changes heritable (with the exception of research relating to cancer treatment of the gonads, which may be financed), or - intend to create human embryos solely for the purpose of research or for the purpose of stem cell procurement, including by means of somatic cell nuclear transfer. - lead to the destruction of human embryos (for example, for obtaining stem cells) These activities are excluded from funding.	☒
9) We confirm that for activities carried out outside the Union, the same activities would have been allowed in at least one EU Member State.	☒

The coordinator is only responsible for the information relating to their own organisation. Each applicant remains responsible for the information declared for their organisation. If the proposal is retained for EU funding, they will all be required to sign a declaration of honour.

False statements or incorrect information may lead to administrative sanctions under the EU Financial Regulation.

2 - Participants

List of participating organisations

#	Participating Organisation Legal Name	Country	Role	Action
1	Enspire Science Ltd.	Israel	Coordinator	
2	UNIWERSYTET PRZYRODNICZY WE WROCLAWIU	Poland	Partner	
3	AGROGEO AGARFEJLESZTO-FOLDTANI-FOVALLALKOZO KORLATOLT-FELELOSSEGU TARSASAG	HU	Partner	
4	European Irrigation Association	Belgium	Partner	
5	ECOLOGIC INSTITUT gemeinnützige GmbH	Germany	Partner	
6	CENTRUM DORADZTWA ROLNICZEGO W BRWINOWIE	PL	Partner	
7	SEGES INNOVATION PS	Denmark	Partner	
8	ASSEMBLEE PERMANENTE DES CHAMBRES D'AGRICULTURE	FR	Partner	
9	CHAMBRE D'AGRICULTURE DU LOIRET	FR	Affiliated	
10	CHAMBRE REGIONALE D'AGRICULTURE NOUVELLE - AQUITAINE	FR	Affiliated	
11	KMETIJSKO GOZDARSKA ZBORNICA SLOVENIJE	SI	Partner	
12	KGZS Zavod Ptuj	SI	Affiliated	
13	MREZA SAVJETODAVNIH SLUZBI JUGOISTOCNE EUROPE	HR	Partner	
14	CONSIGLIO NAZIONALE DELLE RICERCHE	IT	Partner	
15	Associazione Nazionale Consorzi di gestione e tutela del territorio e acque irrigue - ANBI	IT	Partner	
16	FENAREG - FEDERACAO NACIONAL DE REGANTES DE PORTUGAL	PT	Partner	
17	INSTITUTO NAVARRO DE TECNOLOGIAS E INFRAESTRUCTURAS AGROALIMENTARIAS SA	ES	Partner	

Organisation data

PIC	Legal name
905336988	*Enspire Science Ltd.*

Short name: Enspire

Address

Street	10 Ha'Arba'a st.
Town	Tel-Aviv
Postcode	6473910
Country	Israel
Webpage	https://enspire.science/

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	no
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	31/12/2018	- yes
SME self-assessment	31/12/2018	- yes
SME validation	unknown	

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◯ Woman ◯ Man ◉ Non Binary

First name* **Enspire** Last name* **Science**

E-Mail* **projects@enspire-science.com**

Position in org. Projects team

Department Enspire Science Ltd. ☒ Same as organisation name

☒ Same as proposing organisation's address

Street 10 Ha'Arba'a st.

Town Tel-Aviv Post code 6473910

Country Israel

Website *Please enter website*

Phone *+xxx xxxxxxxxx* *Phone 2* *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mrs	Yasmin	Wachs	Woman	Israel	yasmin.wachs@enspire-science.com		Leading		
Ms	Dana	Chudy	Woman	Israel	dana.chudy@enspire-science.com		Leading		
Mr	Yoram	Bar Zeev	Man	Israel	ybz@enspire-science.com		Leading		
Mrs	Shira	Becker	Woman	Israel	shira.becker@enspire-science.com		Leading		
Ms	Andrea	Ratkosova	Woman	Slovakia	andrea.ratkosova@enspire-science.com		Team member		
Ms	Rachel	Kamins	Woman	Israel	rachel.kamins@enspire-science.com		Team member		
Ms	Danielle	Dahan	Woman	Israel	danielle.dahan@enspire-science.com		Team member		

Role of participating organisation in the project

Project management	☒
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☐
Prototyping and demonstration	☐
IPR management incl. technology transfer	☒
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*What it means to be a Horizon Europe Project Coordinator (https://enspire.science/ horizoneurope- project-coordinator/)*
Publication	*Measures to maximize impact in Horizon Europe (https://enspire.science/ measurestomaximize- impact-in-horizon-europe/)*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Ongoing experience in projrct managment	*Enspire science has 25 years of hands-on experience in managing and participating in EU funded projects. This experience will allow us to successfully lead this project and its various activities.*
Training and administrative support	*Enspire Science constantly provides its training services (online and offline), webinars, consulting and administrative support to a long list of institutions in Europe. This experience will contribute to the development of training and awareness raising activities, as well as to the administrative management and coordination of the project.*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
997437809	*UNIWERSYTET PRZYRODNICZY WE WROCLAWIU*

Short name: UPWr

Address

Street	UL. CYPRIANA KAMILA NORWIDA 25
Town	WROCLAW
Postcode	50-375
Country	Poland
Webpage	www.upwr.edu.pl

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	yes
Research organisation	yes

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	15/02/2022	- no
SME self-assessment	15/02/2022	- no
SME validation	unknown	

Departments carrying out the proposed work

Department 1

Department name	Institute of Environmental Engineering	☐ not applicable
	☐ Same as proposing organisation's address	
Street	pl. Grunwaldzki 24	
Town	Wroclaw	
Postcode	50-363	
Country	Poland	

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Prof.

Gender: ○ Woman ◉ Man ○ Non Binary

First name*: **Miklas**

Last name*: **Sholtz**

E-Mail*: **miklas.scholz@upwr.edu.pl**

Position in org.: Professor

Department: Institute of Environmental Engineering

☐ Same as organisation name

☐ Same as proposing organisation's address

Street: pl. Grunwaldzki 24

Town: Wroclaw

Post code: 50-363

Country: Poland

Website: https://upwr.edu.pl/en/

Phone: 0046 703435270

Phone 2: *+xxx xxxxxxxxx*

Other contact persons

First Name	Last Name	E-mail	Phone
Radoslaw	Stodolak	radoslaw.stodolak@upwr.edu.pl	+xxx xxxxxxxxx
Anna	Nowacka-Blachowska	anna.nowacka-blachowska@upwr.edu.pl	+xxx xxxxxxxxx

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Prof	Miklas	Scholz	Man	Germany	miklas.scholz@upwr.edu.pl	Category A Top grade re	Leading	0000-0001-8919-3838	Orcid ID
Dr	Radoslaw	Stodolak	Man	Poland	radoslaw.stodolak@upwr.edu.pl	Category C Recognised	Team member	0000-0001-5394-4572	Orcid ID
Dr	Wieslaw	Fialkiewicz	Man	Poland	wieslaw.fialkiewicz@upwr.edu.pl	Category B Senior resea	Team member	0000-0002-2517-5064	Orcid ID

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☒
Technology developer	☒
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☒
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Marczak Daria, Lejcuś Krzysztof, Grzybowska-Pietras Joanna, Biniaś Włodzimierz, Lejcuś Iwona, Jakub Misiewicz. Biodegradation of sustainable nonwovens used in water absorbing geocomposites supporting plants vegetation, w: Sustainable Materials and Technologies, vol. 26, 2020, ss. 1-10, DOI:10.1016/j.susmat.2020.e00235. The paper presents biodagradation of water absorbing geocomposites (WAG) supporting plants vegetation. WAG is an innovative technology that supports water management.*
Publication	*Dyjakon A., García-Galindo D. (2019): Implementing agricultural pruning to energy in Europe: technical, economic and implementation potentials. Energies, 12, 1513. (doi:10.3390/ en12081513). In the paper various biomass potentials from permanent crops across the EU were analysed. The amount of energy that can be gained from pruning biomass was determined, as well.*
Publication	*Burszta-Adamiak E., Fiałkiewicz W. (2018): Water footprint as indicator of water resources consumption by crop production in the Lower Silesian Voivodeship (in Polish). Ecological Engineering & Environmental Technology, vol. 19, nr 6 (doi:10.12912/23920629/95281). The article analyses water consumption in agriculture for the crop production in the years 2014–2017. The assessment of quantity and type of water used was made by applying the water footprint indicator.*
Publication	*Zhang, M., Stodolak, R., Xia, J. (2021) The Impact of the Changes in Climate, Land Use and Direct Human Activity on the Discharge in Qingshui River Basin, China. Water 13, 3147. (doi:10.3390/w13213147). The Soil and Water Assessment Tool (SWAT) was used to separately analyze the contributions of climate, land use and direct human activity on the discharge variations in Qingshui River Basin in China.*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
H2020-SFS-24-2019. No 862716 „FoodSHIFT 2030	*The project focuses on transforming the European food system towards a low carbon circular future based on social activation and enhancing their participation in local change. The project features a strong multi-actor consortium with 31 partners composed of local governments, SMEs, NGOs, universities, research institutions and network partners by creating living laboratories in 9 cities. This project aims to increase urban-rural cohesion and local resilience to climate challenges.*
Horizon 2020 project: WATERAGRI	*The project aims to re-introduce and enhance sustainable solutions for water retention and nutrient recycling to enable agricultural production that can sustain growing populations and cope with present and future climate change challenges. WATERAGRI will develop traditional drainage and irrigation solutions and re-introduce nature-based solutions such as integrated constructed wetlands, bio-inspired drainage systems and sustainable flood retention basins in the agricultural landscape.*
H2020 Project: Rubizmo: (773621)	*Replicable business models for modern rural economies. The project was focused on the evaluation of the selected SMEs having their business in the local area in terms of their potential for replicability in other regions. The success cases were also evaluated in environmental, social and economic aspects to indicate added value of the business development in rural areas. The 4 tools for existing or future entrepreneurs were elaborated to be an inspiration and support in decision-making.*
ERA-NET CO-FUND FACCE SURPLUS	*Protein-fibre fibre biorefinery for scattered material streams. Project aims at valorisation of protein-rich side-streams into food and feed grade protein and dietary fiber ingredients. It supports minimal residue production and circular economy by increasing the profitability of the food chain from farm to processing. Total budget: 838 000 € (UPWr 165 000 €)*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? (•) Yes ( ) No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
903849590	*AGROGEO AGARFEJLESZTO-FOLDTANI-FOVALLALKOZO KORLATOLT-FELELOSSEGU TARSASAG*

Short name: Agrogeo

Address

Street	WESSELENYI UTCA 1/A, 1
Town	KECSKEMET
Postcode	6000
Country	Hungary
Webpage	www.agrogeo.hu

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	no
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	16/02/2012 - yes
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Mr

Gender: ◯ Woman ◉ Man ◯ Non Binary

First name*: **Tamas**

Last name*: **Szolnoky**

E-Mail*: **agrogeo@mail.opticon.hu**

Position in org.: Managing Director

Department: AGROGEO RDI

☐ Same as organisation name

☒ Same as proposing organisation's address

Street: WESSELENYI UTCA 1/A, 1

Town: KECSKEMET

Post code: 6000

Country: Hungary

Website: www.agrogeo.hu

Phone: +36 70 2794747

Phone 2: *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Tamas	Szolnoky	Man	Hungary	agrogeo@mail.opticon.hu		Leading		
Dr	Gyozo	Szolnoky	Man	Hungary	agrogeo@mail.opticon.hu		Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☒
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☒
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☐
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Gellért Gligor, Tamás Szolnoky, Milana Drašković, NenadĐurić, ZdravkoHojka, Jelena Bošković, MilenaŽuža, 2019: Quality and Possibilities of Use of StabilizedSludgeCompost Obtainedby Inoculation with Geocell-1 Consortium, Clean-Soil, Air, Water, Volume 47, 1900023*
Good	*Tamas Szolnoky and Gyozo Szolnoky representing Agrogeo Kft. have developed the following patents, registered and protected by the Hungarian Intellectual Property Office: PRODUCT, ADVANTAGEOUSLY MANURE COMPRISING ORGANIC NUTRITIVE MATERIAL, BASED ON AGRICULTURE WASTE AND PROCESS FOR PRODUCING THEREOF, 2014; IMPROVED RICE CULTIVATION METHOD, 2016.*
Good	*AGROGEO (licensee) received a certification for a new organic fertiliser group called INNOPELLET by the National Food Chain Security Office in 2016.*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
WATERAGRI RIA project	*AGROGEO participates in the WATERAGRI H2020 project, on farmer engagement and on sustainability and technical evaluation of proposed innovations and measures. Concerning stakeholder identification and analysis in Hungary, AGROGEO focuses mainly on the Kiskunság geographic area in Bács-Kiskun County and the Danube-Tisza Interfluve region, which is subject to water shortage, predominantly on calcareous and structure-less sandy soil.*
GRANOFARM EIP AGRI GROUP	*EIP AGRI Operational Group, GRANOFARM: AGROGEO coordinates an innovation project called Implementation of the innovative organic fertilisation adapted to precision farming. In 2018, the Granofarm Innovation Operational Group was founded by Agrogeo Kft. National Agricultural Research and Innovation Centre, The group also comprises 1 counsellor and 3 farmers to implement added value.*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
	3 agricultural engineers +1 economist +1 technician represent human resources in piloting, large-scale implementation of waste conversion and crop cultivation tests and trials.
Arable land	*The owners as managing directors have 36 hectares of arable land.*
GRANOFARM Group	*Farmers in GRANOFARM Group holding 52 hectares of experimental sites within 30 kilometers in radius: Kiskunfélegyháza, Kunbaracs, Fülöpháza locations.*
	Pilot and large-scale pelletizing units can be involved with 20—300 kg/hour end-product capacity.
	1 automated climate chamber, professional passive aeration compost containers, soil sampling tools, compost pile thermometers, Dewar test tubes.

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
891661928	*European Irrigation Association*

Short name: EIA

Address

Street	Boulevard Auguste Reyers 80
Town	Brussels
Postcode	1030
Country	Belgium
Webpage	http://www.irrigationeurope.eu

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is no (small- and medium-sized enterprise) for the call.

SME self-declared status	unknown
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.* ☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Dr

Gender: ○ Woman ◉ Man ○ Non Binary

First name*: **Bruno**

Last name*: **Molle**

E-Mail*: **bruno.molle@inrae.fr**

Position in org.: Executive advisor

Department: European Irrigation Association

☒ Same as organisation name

☒ Same as proposing organisation's address

Street: Boulevard Auguste Reyers 80

Town: Brussels

Post code: 1030

Country: Belgium

Website: http://www.irrigationeurope.eu

Phone: +33644295051

Phone 2: *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Dr	Bruno	Molle	Man		bruno.molle@inrae.fr		Leading		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☒
Research performer	☐
Technology developer	☒
Testing/validation of approaches and ideas	☐
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Bruno Molle (co-author). 2020. Integrative technology hubs for urban foodenergy-water nexuses and cost-benefit-risk tradeoffs: (I): Global trend and technology metrics, ISSN: 1064-3389 (Print) 1547-6537 (Online) Journal homepage: https://www.tandfonline.com/loi/best20 (II): Design strategies for urban sustainability, ISSN: 1064-3389 (Print) 1547-6537 (Online) Journal homepage: https://www.tandfonline.com/loi/best20*
Publication	*Antonio Pires de Camargo*, Gustavo Lopes Muniz, Nicolas Duarte Cano, Nassim Ait-Mouheb, Séverine Tomas, Diego José de Sousa Pereira, Rogério Lavanholi, José Antônio Frizzone and Bruno Molle, 2020. Applications of computational fluid dynamics in irrigation engineering. Revista Ciência Agronômica, v. 51, n. 5 - Agricultura 4.0, e20207700, 2020, Centro de Ciências Agrárias - Universidade Federal do Ceará, Fortaleza, CE, www.ccarevista.ufc.br ISSN 1806-6690.*
Publication	*Diego José de Sousa Pereira; Rogério Lavanholi; Ana C. S. de Araújo; Antonio P. de Camargo; Nassim Ait-Mouheb; José A. Frizzone; and Bruno Molle, 2020. Evaluating Sensitivity to Clogging by Solid Particles in Irrigation Emitters: Assessment of a Laboratory Protocol. DOI: 10.1061/(ASCE)IR.1943-4774.0001509. © 2020, American Society of Civil Engineers.*
Publication	*Claire Serra-Wittling, Bruno Molle, Bruno Cheviron, 2019. Plot level assessment of irrigation water savings due to the shift from sprinkler to localized irrigation systems or to the use of soil hydric status probes. Application in the French context. https://doi.org/10.1016/ j.agwat.2019.06.017.*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Working groups	*EIA has structured several working groups with the objective of inventorying the skills of the profession and the ways to improve it. These WG are untitled: Sustainability of irrigation practices, Urban irrigation, Standardization of irrigation equipment, Training policy for irrigation professionals, Wastewater reuse, and Communication policies. Each WG aims to identify the gap in skills of professionals to propose training and a certification framework to narrow the skill gaps.*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
999741171	*ECOLOGIC INSTITUT gemeinnützige GmbH*

Short name: ECO

Address

Street	Pfalzburger Strasse 43-44
Town	BERLIN
Postcode	10717
Country	Germany
Webpage	www.ecologic.eu

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	yes

SME Data

Based on the below details from the Participant Registry the organisation is an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	16/02/2022	- yes
SME self-assessment	16/02/2022	- yes
SME validation	13/10/2008	- yes

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Mr

Gender: ○ Woman ◉ Man ○ Non Binary

First name*: **Rodrigo**

Last name*: **Vidaurre**

E-Mail*: **rodrigo.vidaurre@ecologic.eu**

Position in org.: Fellow

Department: Water Team

☐ Same as organisation name

☒ Same as proposing organisation's address

Street: Pfalzburger Strasse 43-44

Town: BERLIN

Post code: 10717

Country: Germany

Website: www.ecologic.eu

Phone: +49 30 868800

Phone 2: *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Rodrigo	Vidaurre	Man	Germany	Rodrigo.vidaurre@ecologic.eu	Category B Senior resea	Leading		
Ms	Sophie	Ittner	Woman	Germany	Sophie.ittner@ecologic.eu	Category C Recognised	Team member		
Mr	Benedict	Bueb	Man	Germany	benedict.bueb@ecologic.eu	Category C Recognised	Team member		
Mr	Hannes	Schritt	Man	Germany	Hannes.schritt@ecologic.eu	Category C Recognised	Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☒
Technology developer	☐
Testing/validation of approaches and ideas	☐
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Vidaurre, Rodrigo; Hannes Schritt (2021): Impact analysis of measures to reduce nitrogen inputs from agriculture under the cooperation model in NRW - Part 1: Agricultural evaluation. (in German: Wirkungsanalyse von Maßnahmen zur Verringerung von Stickstoffeinträgen aus der Landwirtschaft im Rahmen des Kooperationsmodells in NRW - Teil 1: Landwirtschaftliche Evaluierung.) Korrespondenz Wasserwirtschaft, 04/2021.*
Publication	*Vidaurre, Rodrigo; Hannes Schritt; Ana Frelih-Larsen et. al. 2020: Final project report: Review of the effects of cooperative drinking water protection in North Rhine-Westphalia. (in German: Überprüfung der Auswirkungen des kooperativen Gewässerschutzes in Nordrhein-Westfalen). Study performed for the North-Rhine Westphalian Ministry of Agriculture and the Environment. Ecologic Institute, HYDOR Consult: Berlin. https://www.landtag.nrw.de/portal/WWW/dokumentenarchiv/Dokument/MMV17-3770.pdf*
Publication	*Vidaurre, Rodrigo; Evelyn Lukat; Julia Steinhoff-Wagner Yvonne Ilg und Brigitte Petersen, Stephan Hannappel, Kurt Möller (2017). Concepts for Mitigating Veterinary Pharmaceutical Inputs from Agriculture into the Environment (in German: Konzepte zur Minderung von Arzneimitteleinträgen aus der landwirtschaftlichen Tierhaltung in die Umwelt). German Environment Agency, Dessau, Germany. https://www.umweltbundesamt.de/publikationen/konzepte-zur-minderung-von-arzneimitteleintraegen*
Publication	*Hinzmann, Mandy; Sophie Ittner; Zoritza Kiresiewa; Holger Gerdes (2021). An Acceptance Analysis of Subsoil Amelioration Amongst Agricultural Actors in Two Regions in Germany. Front. Agron. 3:660593. doi: 10.3389/fagro.2021.660593*
Publication	*Vidaurre, Rodrigo; Josselin Rouillard; Ina Krüger (2017): Implementing Redistributive Financial Mechanisms in River Basin Management. Guidance Document. Project report EcoCuencas. https://www.ecologic.eu/sites/files/publication/2018/2266-ecocuencas_en_final-v2.pdf*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Cooperative drinking water protection	*Review of the effects of cooperative drinking water protection in North Rhine-Westphalia. Study performed for the North-Rhine Westphalian Ministry of Agriculture and the Environment. Ecologic Institute, HYDOR Consult: Berlin. 2017 – 2020.*
Evaluation and optimization of farmer advisory	*Evaluation and optimization of farmer advisory measures for a water, soil and climate friendly and biodiversity-promoting agriculture in Schleswig-Holstein, Germany. Study performed for the Ministry of Agriculture and Environment (MELUND) in Schleswig-Holstein. July 2020 – December 2020.*
Soil Mission support	*Towards a European research and innovation roadmap on soils and land management. Horizon 2020 project, November 2020 - October 2022*
Service Contract for Directorate-General Environm	*Evaluation of the contribution of EU rural development policy to water and flood policy. Service Contract for Directorate-General Environment, EU Commission, July 2016 – March 2017.*
BONUS	*Reducing nutrient loadings from agricultural soils to the Baltic Sea via groundwater and streams - Soils2Sea. BONUS-project, 2014-2018.*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
941792789	*CENTRUM DORADZTWA ROLNICZEGO W BRWINOWIE*

Short name: CDR

Address

Street	UL PSZCZELINSKA 99
Town	BRWINOW
Postcode	05 840
Country	Poland
Webpage	www.cdr.gov.pl

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	26/03/2014 - no
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◯ Woman ◉ Man ◯ Non Binary

First name* **Janusz** Last name* **Dabrowski**

E-Mail* **j.dabrowski@cdr.gov.pl**

Position in org. Projects' coordinator

Department Section for Innovation in Agriculture ☐ Same as organisation name

☒ Same as proposing organisation's address

Street UL PSZCZELINSKA 99

Town BRWINOW Post code 05 840

Country Poland

Website www.cdr.gov.pl

Phone *+xxx xxxxxxxxx* *Phone 2* *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
	Janusz	Dabrowski	Man	Poland	j.dabrowski@cdr.gov.pl	Category B Senior resea	Leading		
Mrs	Katarzyna	Boczek	Woman	Poland	k.boczek@cdr.gov.pl	Category B Senior resea	Team member		

Role of participating organisation in the project

Project management	☒
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☒
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☒
Other If yes, please specify: (Maximum number of characters allowed: 50)	☒

Network of cooperation from Poland and Baltic Sea.

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Service	*CDR is main provider of professional trainings for national network of agricultural advisory services - over 30 000 of trainees p/a.*
Service	*CDR/AAC website – main source of information for over 3500 agricultural advisors in Poland.*
Service	*CDR/AAC manages National Network of Rural Areas*
Service	*CDR/AAC manages the Innovation Network in Agriculture and Rural Areas as a part of the Polish Rural Network.*
Publication	*The quarterly research publication – The Issues of agricultural advisory - http://zdr.cdr.gov.pl/index-en.php*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
WATERDRIVE	*WATERDRIVE was a pan-Baltic project with activities supporting transnational cooperation and actions in 8 countries. CDR was responsible for designing scope of activities and testing in a pilot area new specialization in agricultural advisory system – water advisors.*
WATERAGRI	*The WATERAGRI concept aims to introduce a new framework for the use of small water retention approaches for managing excess and shortage of water. CDR is responsible for promotional activities of project's results, including across agricultural advisory services.*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Training facilities	*Four training facilities across Poland to organize all type of training and educational activities.*
Demonstration farm	*Located in center of Poland as an option for testing new solutions.*
CDR/AAC You Tube channel	*CDRBrwinow*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
888220465	*SEGES INNOVATION PS*

Short name: SEGES

Address

Street	AGRO FOOD PARK 15
Town	AARHUS N
Postcode	8200
Country	Denmark
Webpage	www.seges.dk

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	yes

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	20/12/2021 - no
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.* ☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title Mr

Gender ◯ Woman ◉ Man ◯ Non Binary

First name* **Frank**

Last name* **Bondgaard**

E-Mail* **fbo@seges.dk**

Position in org. Specialist

Department Crop & Environment Innovation

☐ Same as organisation name

☒ Same as proposing organisation's address

Street AGRO FOOD PARK 15

Town AARHUS N

Post code 8200

Country Denmark

Website www.seges.dk

Phone +4587405409

Phone 2 *+xxx xxxxxxxxx*

Other contact persons

First Name	Last Name	E-mail	Phone
Flemming	Gertz	flg@seges.dk	+xxx xxxxxxxxx

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Ms	Irene Asta	Wiborg	Woman	Denmark	iaw@seges.dk		Team member		
Mr	Flemming	Gertz	Man	Denmark	flg@seges.dk		Team member		
Mr	Frank	Bondgaard	Man	Denmark	fbo@seges.dk		Leading		
Ms	Mette	Kallestrup Spring	Woman	Denmark	mksg@seges.dk		Team member		
Ms	Britt	Heftholm Ravn	Woman	Denmark	bhr@seges.dk		Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☐
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Mitigation measure catalog for targeted agro-environmental nutrient management - exploring the mitigation measures suitable for application under danish conditions. Inspiration to farmers and authorities on how to reduce the nutrient loss to the environment. Danish Agriculture & Food Council F.m.b.A., SEGES. 2021. (Frequently updated with additional knowledge) https://www.landbrugsinfo.dk/-/media/landbrugsinfo/public/0/d/4/ waterdrive_mitigation_measure_catalogue_seges.pdf*
Service	*The Danish Catchment officers. A national programme led by SEGES since 2017 with approx. 25 catchment officers providing free expert advice to farmers to make constructed wetlands and restoration projects in river valley aiming to reduce the nutrient loss to the environment. www.oplandskonsulenterne.dk*
Service	*Landbrugsinfo is a widely used online platform for dissemination among Danish farmers. Farmers can find videos, webinars, and articles on the newest topics related to the agricultural sector. Topics include everything from nutrient management, legislation, economy, climate change, biostimulants, field operations and mitigation measures. www.landbrugsinfo.dk*
Software	*A web-based service where each farmer can see information relevant to his individual fields, selected crops etc. For example, each farmer can see where on his fields it would be relevant to make constructed wetlands to reduce the nutrient loss or to make peat restoration projects in order to reduce the climate footprint of his production. www.landmand.dk*
Publication	*Guide to farmers on the use of waste products as fertilizers and soil conditioners. The publication gives relevant information to farmers regarding advantages/disadvantages, how to judge the N and P fertilizer value, practical application issues and legislation. https://www.landbrugsinfo.dk/basis/1/7/e/godskning_vejledning_anvendelse_restprodukter https://www.landbrugsinfo.dk/basis/f/1/a/ godskning_vejledning_anvendelse_spildevandsslam*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
WaterCoG	*Grant agreement ID: 38-2-28-15 Funded under programme: EU Interreg North Sea Region Topic: Develop new methods for the long-term sustainable management of North Sea ecosystems Budget: 3.380.550 €*
WATERDRIVE	*Grant agreement ID: R094 Waterdrive Funded under programme: Interreg Baltic Sea Region Topic: Clear waters Budget: 2,711,587 €*
Aquarius	*Grant agreement ID: J. nr. 35-2-34-08 Funded under programme: The Interreg IVB North Sea Region Programme Topic: Water management Budget: 5.819.690 €*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
950658977	*ASSEMBLEE PERMANENTE DES CHAMBRES D'AGRICULTURE*

Short name: APCA

Address

Street	AVENUE GEORGE V 9
Town	PARIS 8
Postcode	75008
Country	France
Webpage	www.chambres-agriculture.fr

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	04/04/2013 - no
SME self-assessment	unknown
SME validation	04/04/2013 - no

Departments carrying out the proposed work

Department 1

Department name: Business and Advisory services ☐ not applicable

☐ Same as proposing organisation's address

Street: 9 avenue George V

Town: Paris

Postcode: 75008

Country: France

Department 2

Department name: RESOLIA ☐ not applicable

☐ Same as proposing organisation's address

Street: 9 avenue George V

Town: Paris

Postcode: 75008

Country: France

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title Mr

Gender ○ Woman ◉ Man ○ Non Binary

First name* **Sylvain**

Last name* **Sturel**

E-Mail* **sylvain.sturel@apca.chambagri.fr**

Position in org. Officer in charge of European Projects

Department Business and Advisory services

☐ Same as organisation name

☒ Same as proposing organisation's address

Street AVENUE GEORGE V 9

Town PARIS 8

Post code 75008

Country France

Website https://chambres-agriculture.fr/

Phone +33153571066

Phone 2 +33153571010

Other contact persons

First Name	Last Name	E-mail	Phone
Ka-Ho	Yim	ka-ho.yim@apca.chambagri.fr	+33153571118
Xavier	Girard	xavier.girard@loiret.chambagri.fr	+xxx xxxxxxxxx
Benoit	Louchard	benoit.louchard@loiret.chambagri.fr	+xxx xxxxxxxxx
Celine	Karasinski	celine.karasinski@na.chambagri.fr	+xxx xxxxxxxxx

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mrs	Caroline	Berinstain	Woman	France	caroline.berinstain@apca.chambagri.fr		Team member		
Mr	Sylvain	Sturel	Man	France	sylvain.sturel@apca.chambagri.fr		Leading		
Mr	Ka Ho	Yim	Man	France	ka-ho.yim@apca.chambagri.fr		Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☒

watch on policies/regulations, developing IT tools

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Guide for taking into account farming activity in flood risk management- written in partnership with the French Ministries of Agriculture and Environment, 2018 (2nd edition) https://opera-connaissances.chambres-agriculture.fr/doc_num.php?explnum_id=146103*
Publication	*Guide to manage wetlands in relation to farming activity- released in 2020 (3rd edition) https://opera-connaissances.chambres-agriculture.fr/doc_num.php?explnum_id=156149*
Service	*Our training centre named "RESOLIA" offers training courses about water management, irrigation and water quality: in 2022, 9 training courses on quantitative and qualitative aspects of water management: https://resolia.epsilon-informatique.net/FormeisFC/Extranet/index.php?mod=4&ni=101e82c59fc0062aa9da77326b75aec2 In addition, RESOLIA offers 17 courses on fertilisers and pest management: https://resolia.epsilon-informatique.net/FormeisFC/Extranet/index.php?mod=4&ni=3ddfd577d14ddf22ff2fe362ff3419*
Other achievement	*Online debate "Water: uses and shares" - a debate between different actors (Farmers, Meteo France, local communities, NGOs such as WWF, consumers' associations) on 16th June 2021 https://chambres-agriculture.fr/fileadmin/user_upload/National/002_inst-site-chambres/actu/2021/Debat_EauUsagesEtPartage.pdf*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
RMT ClimA	*APCA leads this French multi-actor network on the topic agriculture and climate change. This network comprises 31 French organizations: educational institutions, research centres, ANSES (French Agency for Food, Environmental and Occupational Health & Safety), Agricultural Technical Institutes, Chambers of Agriculture, private companies and associations https://chambres-agriculture.fr/fileadmin/user_upload/National/002_inst-site-chambres/actu/2021/RMTclimA_COM-PRESSE-DEF.pdf*
Varenne de l'eau et du changement climatique	*In 2021, in the framework of working groups on water use by agriculture in the context of climate change, APCA led or participated in 12 workshops, which aim was "to reach a shared vision of access to water resources" https://agriculture.gouv.fr/tous-les-travaux-des-groupes-de-travail-du-varenne-de-leau*
H2020 i2connect	*This H2020 project is coordinated by APCA and aims at developing a European-wide network of farm and forestry advisors supporting interactive innovation, and to strengthen the skills of these advisors. In particular, the project is developing a database of advisors, where we can identify, inter alia, advisors with skills in "environmental services, water and air quality, climate change" and in "soils and fertilizers, irrigation and drainage". https://i2connect-h2020.eu/*
H2020 WALNUT	*APCA is a partner of this H2020 project about valorisation of waste water in bio-based fertilizers. https://walnutproject.eu/*
GWST'EA	*GEST'EA is a software destined to local collective water management organizations. 17 Chambers of Agriculture are using it in 2022. https://chambres-agriculture.fr/fileadmin/user_upload/National/FAL_commun/publications/National/Revue_Chambres-agriculture_1047_gestion_eau.pdf*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Resolia	*The Chambers' of agriculture training centre Resolia has its headquarters in Paris and has branch offices in five regions in France. In 2020, Resolia trained 3615 people (9586 days of training in total). Resolia currently employs 20 staff.*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
997421319	*CHAMBRE D'AGRICULTURE DU LOIRET*

Short name: CA-Loiret

Address

Street	Avenue des droits de l'Homme 13
Town	Orleans
Postcode	45021
Country	France
Webpage	

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	unknown
Secondary or Higher education establishment	unknown
Research organisation	unknown

SME Data

Based on the below details from the Participant Registry the organisation is no (small- and medium-sized enterprise) for the call.

SME self-declared status	unknown
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

Department 1

Department name	Agronomy Department	☐ not applicable
	☒ Same as proposing organisation's address	
Street	Avenue des droits de l'Homme 13	
Town	Orleans	
Postcode	45021	
Country	France	

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◯ Woman ◯ Man ◯ Non Binary

First name* Last name*

E-Mail*

Position in org. Please indicate the position of the person.

Department *Name of the department/institute carrying out the work.* ☐ Same as organisation name

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.* Post code *Area code.*

Country *Please select a country*

Website *Please enter website*

Phone *+xxx xxxxxxxxx* *Phone 2* *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Benoit	Louchard	Man	France	benoit.louchard@loiret.chambagri.fr		Team member		
Mr	Xavier	Girard	Man	France	xavier.girard@loiret.chambagri.fr		Leading		
Mr	Romain	Duffer	Man	France	romain.dufer@loiret.chambagri.fr		Team member		
Mr	Rachel	Lelgouach	Woman	France	rachel.lelgouach@loiret.chambagri.fr		Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☒
Co-definition of research and market needs	☒
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☒
IPR management incl. technology transfer	☒
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☒

Advisory services to farmers

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Software	*The Decision Support Tool Net'irrig- is a Web-based Decision Support Tool to manage irrigation according to soil type, crop type and data automatically sent from weather stations*
Software	*GEST'EA - a Web-based software developed by the Chambers of Agriculture, destined to collective water management organisations*
Other achievement	*Negotiation of regulations and policies related to water quality and quantity (irrigation)*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Training advisors and farmers	*Providing training about irrigation management for advisors and farmers*
Info and advice to farmers in water catchment	*Management of water catchment areas : regular messages to farmers, promotion of tools and solutions aiming to reduce pesticides and nitrates pollution, use of intercrops, field trials*
Info and advice to farmers on irrigation	*Sending out messages to farmers to help them deciding when and how they should irrigate: technical data such as rainfall, water consumption of the main crops, soil water retention capacity, etc.*
Collective management of irrigation	*In charge of the collective management of irrigation for 1,500 farmers: allocation of individual water quota, checking water consumption, integration of new farmers*
The project CARG'eau	*The project CARG'eau aims at collecting and using reference data on quantitative water management*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
913694993	*CHAMBRE REGIONALE D'AGRICULTURE NOUVELLE -AQUITAINE*

Short name: CA-NA

Address

Street	BOULEVARD DES ARADES
Town	LIMOGES
Postcode	87060
Country	France
Webpage	nouvelle-aquitaine.chambres-agriculture.fr

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is no (small- and medium-sized enterprise) for the call.

SME self-declared status	unknown
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

Department 1

Department name	Environment and natural resources	☐ not applicable
	☒ Same as proposing organisation's address	
Street	BOULEVARD DES ARADES	
Town	LIMOGES	
Postcode	87060	
Country	France	

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◯ Woman ◯ Man ◯ Non Binary

First name* Last name*

E-Mail*

Position in org. Please indicate the position of the person.

Department *Name of the department/institute carrying out the work.* ☐ Same as organisation name

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.* Post code *Area code.*

Country *Please select a country*

Website *Please enter website*

Phone *+xxx xxxxxxxxx* *Phone 2* *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Laurent	Fombeur	Man	France	laurent.fombeur@na.chambagri.fr		Leading		
Mr	Frank	Michel	Man	France	frank.michel@na.chambagri.fr		Team member		
Mr	Laurent	Coulaud	Man	France	laurent.coulaud@dordogne.chambagri.fr		Team member		
Mr	Julien	Rabe	Man	France	julien.rabe@landes.chambagri.fr		Team member		
Mr	Thomas	Larrieu	Man	France	t.larrieu@gironde.chambagri.fr		Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☒
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☒

Advisory services to farmers.

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Other achievement	*Carrying out socio-economic diagnosis and facilitating multi-actor workshops to draft a territorial project for water management (Projet Territorial de Gestion de l'Eau or PTGE). Currently, there are 17 PTGEs in Nouvelle Aquitaine Region (either validated, under development or planned). Example : https://deux-sevres.chambre-agriculture.fr/fileadmin/user_upload/Nouvelle-Aquitaine/103_Inst-Deux-Sevres/Documents/Technique_innovation/EAU/CTGQ/PROJET_AGRICOLE_TERRITOIRE_SNMP_VF2.pdf*
Other achievement	*"ClimA XXI" booklets on foreseeable changes in agriculture - The "ClimA XXI" booklets describe foreseeable changes in agriculture based on climate change projections. In Nouvelle Aquitaine Region, such booklets are available for 9 "départements" (~districts). Example of Dordogne département: https://dordogne.chambre-agriculture.fr/fileadmin/user_upload/National/FAL_commun/publications/Nouvelle-Aquitaine/ca24_ClimAXXI_Dordogne.pdf*
Service	*Collective water management- The Chambers of Agriculture lead most "Single Organisations for Collective Management" (Organismes Uniques de Gestion Collective, OUGC), which are responsible for collective water management. Example: https://deux-sevres.chambre-agriculture.fr/fileadmin/user_upload/Nouvelle-Aquitaine/103_Inst-Deux-Sevres/Documents/Technique_innovation/EAU/Reglement_interieur_de_l_OUGC_Saintonge.pdf*
Service	*"Irrigation messages" - This service consists in weekly information to irrigators in Nouvelle Aquitaine Region. It includes information such as rainfall, water needs of the main crops, the flows of the main rivers, possible restrictions on water use from regional authorities, testimonies from farmers (videos), etc. Example: https://gironde.chambre-agriculture.fr/grandes-cultures/accompagnement-technique/mieux-irriguer/les-messages-irrigation-2021/*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Technical Support for Irrigators in New Aquitaine	*A programme involving 10,000 irrigators, on 410,000 hectares of irrigated farmland. The Chambers of Agriculture monitor a network of plots across the region, where they collect technical data. Farmers who have irrigation control equipment in their fields receive individual and personalised technical advice. Other farmers can identify, among the monitored plots, which are similar to their own, in terms of soil type, soil water retention capacity, rainfall and temperature, and cultivated crops.*
Set up + support of collective org. for water man.	*400 such organisations in Nouvelle Aquitaine Region with various legal forms: ASA, ASL, municipalities, etc. These organisations ensure the storage, management and distribution of more than 50% of the water used by agriculture. Some of these local associations have set up a regional federation, ADHA24, which represent their interests to institutional and financial partners, and provide technical support. ADHA24 currently comprises 90 members. https://adha24.com*
Videos on irrigation for farmers	*Vegetable production: https://youtu.be/9g0-T1rUvC0 Maize production: https://www.youtube.com/watch?v=WokUhXKmajs Economic impact of irrigation: https://www.youtube.com/watch?v=voc4KRB9ITk Using an electronic flowmeter to control a pivot irrigation system: https://www.youtube.com/watch?v=OPnZ80eCoD0*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
946607675	*KMETIJSKO GOZDARSKA ZBORNICA SLOVENIJE*

Short name: CHAMBER OF AGRICULTURE AND FORESTRY OF SLOVENIA

Address

Street	Gospodinjska ulica 6
Town	Ljubljana
Postcode	1000
Country	Slovenia
Webpage	www.kgzs.si

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	15/02/2022 - no
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

Department 1

Department name	Chamber of Agriculture and Forestry of Slovenia (CAFS)	☐ not applicable
	☒ Same as proposing organisation's address	
Street	Gospodinjska ulica 6	
Town	Ljubljana	
Postcode	1000	
Country	Slovenia	

Department 2

Department name	CAFS Sector for Advisory Service	☐ not applicable
	☒ Same as proposing organisation's address	
Street	Gospodinjska ulica 6	
Town	Ljubljana	
Postcode	1000	
Country	Slovenia	

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Mr

Gender: ○ Woman ◉ Man ○ Non Binary

First name*: **Igor**

Last name*: **Harovatic**

E-Mail*: **igor.hrovatic@kgzs.si**

Position in org.: Director

Department: CAFS

☐ Same as organisation name

☒ Same as proposing organisation's address

Street: Gospodinjska ulica 6

Town: Ljubljana

Post code: 1000

Country: Slovenia

Website: www.kgzs.si

Phone: 0038615136600

Phone 2: *+xxx xxxxxxxxx*

Other contact persons

First Name	Last Name	E-mail	Phone
Peter	Pribozic	peter.pribozic@kgz-ptuj.si	+xxx xxxxxxxxx
Marko	Cerne	marko.cerne@kgz-ptuj.si	+xxx xxxxxxxxx

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Igor	Hrovatic	Man	Slovenia	Igor.hrovatic@kgzs.si	Category A Top grade re	Leading		
Mr	Vojmir	Bizjak	Man	Slovenia	Vojko.bizjakv@kgzs.si	Category B Senior resea	Team member		

Role of participating organisation in the project

Project management	☒
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☒
Policy maker or regulator, incl. standardisation body	☒
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☐
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Action Plan for Irrigation in Slovenia*
Dataset	*Legislative framework for the introduction of irrigation*
Service	*Certificated CECRA trainer*
Dataset	*Head of expert group for irrigation in Slovenia*
Dataset	*AKIS*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
H 2020 project: FAIRshare	*As a SEASN LTP CAFS participates in the project with using and developing digital advisory tools, exchanging good practices and networking. Also organizing cross visits and preparing guideline for cross visit*
H 2020 project: I2Connect	*As a SEASN LTP CAFS participates in the project responsible for cross visits, organizing workshops and conferences. Also exchanging good practices and participate in training of interactive innovation.*
EIP projects	*CAFS is the partner in different EIP projects in Slovenia where irrigation is a part of technology for improvement the production in sustainable way*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Training of advisors and network	*As certificated CECRA trener yearly, perform training of advisors in Slovenia and Serbia. President of SEASN (Southeastern Europe Advisory Service Network) network*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? (•) Yes ( ) No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
896601459	*KGZS Zavod Ptuj*

Short name: KGZS Zavod Ptuj

Address

Street	Ormoška cesta 28
Town	Ptuj
Postcode	2250
Country	Slovenia
Webpage	www.kgz-ptuj.si

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	unknown
Secondary or Higher education establishment	unknown
Research organisation	unknown

SME Data

Based on the below details from the Participant Registry the organisation is no (small- and medium-sized enterprise) for the call.

SME self-declared status	unknown
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

Department 1

Department name	KGZS Zavod Ptuj	☐ not applicable
	☐ Same as proposing organisation's address	
Street	Ormoška 89	
Town	Ptuj	
Postcode	2250	
Country	Slovenia	

Department 2

Department name	Department of Agricultural Advisory Service	☐ not applicable
	☒ Same as proposing organisation's address	
Street	Ormoška cesta 28	
Town	Ptuj	
Postcode	2250	
Country	Slovenia	

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◯ Woman ◯ Man ◯ Non Binary

First name* Last name*

E-Mail*

Position in org. Please indicate the position of the person.

Department *Name of the department/institute carrying out the work.* ☐ Same as organisation name

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.* Post code *Area code.*

Country *Please select a country*

Website *Please enter website*

Phone *+xxx xxxxxxxxx* *Phone 2* *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Matic	Leben	Man	Slovenia	matic.leben@kgz-ptuj.si	Category C Recognised	Team member		
Mr	Marko	Cerne	Man	Slovenia	marko.cerne@kgz-ptuj.si	Category C Recognised	Team member		

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☒
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Guidelines good practices for agricultural land irrigation in terms of microbiological suitability*
Publication	*Technological instructions for irrigation*
Publication	*Irrigation study local community Ormož*
Publication	*Irrigation study local community Gorišnica*
Dataset	*Legislative framework for the introduction of irrigation*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Irrigation system in Lenart	*Introduction of irrigation municipality Lenart.*
Private systems for irrigation	*Irrigation implementation study for private investors.*
Irrigation system working.	*Technical description of irrigation systems.*
Legislation on the introduction of irrigation	*Legislation on the introduction of irrigation*
Irrigation practises.	*Greenhouse irrigation technologies*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Intro. of irrigation systems in municipalities	*Assistance in the introduction of irrigation in local communities, networking of farmers, emphasis on the importance of irrigation for agricultural production.*
Projects to establish alternative land.	*Due to the loss of agricultural land, it was necessary to establish alternative agricultural land for cultivation in some municipalities.*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? (•) Yes ( ) No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
909538155	*MREZA SAVJETODAVNIH SLUZBI JUGOISTOCNE EUROPE*

Short name: SOUTH EASTERN EUROPE ADVISORY SERVICE NETWORK

Address

Street	BUZIN, BANI 110
Town	ZAGREB
Postcode	10010
Country	Croatia
Webpage	www.seasn.eu

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	22/02/2016 - no
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

Department 1

Department name	South Eastern Europe Advisory Service	☐ not applicable
	☒ Same as proposing organisation's address	
Street	BUZIN, BANI 110	
Town	ZAGREB	
Postcode	10010	
Country	Croatia	

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Mr

Gender: ○ Woman ◉ Man ○ Non Binary

First name*: **Domagoj**

Last name*: **Gorup**

E-Mail*: **dgorup19@gmail.com**

Position in org.: Head of SEASN Office

Department: South Eastern Europe Advisory Service Network

☐ Same as organisation name

☒ Same as proposing organisation's address

Street: BUZIN, BANI 110

Town: ZAGREB

Post code: 10010

Country: Croatia

Website: *Please enter website*

Phone: *+xxx xxxxxxxxx*

Phone 2: *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Mr	Domagoj	Gorup	Man	Croatia	dgorup19@gmail.com	Category A Top grade re	Leading		

Role of participating organisation in the project

Project management	☒
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☒
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Dataset	*Legislative framework for the introduction of irrigation*
Service	*Certificated CECRA trainer*
Dataset	*Organization of expert conferences for SEASN members and project partners*
Good	*Organization expert workshops for advisors from SEASN region*
Dataset	*Conducting public tenders and evaluating proposals for Fairshare project user cases*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Wisefarmer (Erasmus+ project)	*The direct aim of the project is to bring the younger and elder farm generations together in a common program for the exchange of knowledge, access to high quality learning opportunity, facilitating support and sustained collaboration for increased competence, from one side in the use of digital tools, from the other side the crucial farming practices based on local knowledge.*
FAIRshare	*Farm Advisory digital Innovation tools Realised and Shared- H2020- RUR-13-2018 - Enabling the farm advisor community to prepare farmers for the digital age- https:// www.h2020fairshare.eu/*
I2Connect	*Connecting advisers to boost interactive innovation in agriculture and forestry- RUR-16-2019 - Fuelling the potential of advisors for innovation- https://i2connect-h2020.eu*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Advisory service network for SE EU countries	*South Eastern Advisory Service Network (SEASN) is association of agricultural advisory services, agricultural chambers, agricultural institutes, faculties and non-governmental organisations. The main goal of our association is the digitalization of agriculture in Southeast Europe through EU projects*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? (•) Yes ( ) No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
999979500	*CONSIGLIO NAZIONALE DELLE RICERCHE*

Short name: CNR

Address

Street	PIAZZALE ALDO MORO 7
Town	ROMA
Postcode	00185
Country	Italy
Webpage	www.cnr.it

Specific Legal Statuses

Legal person	yes
Public body	yes
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	yes

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	09/02/2022 - no
SME self-assessment	unknown
SME validation	05/12/2008 - no

Departments carrying out the proposed work

Department 1

Department name	Istituto di Ricerca sulle Acque	☐ not applicable
	☐ Same as proposing organisation's address	
Street	Via Salaria Km 29,300 C.P. 10	
Town	Monterotondo Stazione (RM)	
Postcode	00015	
Country	Italy	

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title Dr

Gender ○ Woman ◉ Man ○ Non Binary

First name* **Antonio**

Last name* **Lo Porto**

E-Mail* **antonio.loporto@cnr.it**

Position in org. Senior Researcher

Department Istituto di Ricerca sulle Acque

☐ Same as organisation name

☐ Same as proposing organisation's address

Street Viale De Blasio 5

Town Bari

Post code 70124

Country Italy

Website www.irsa.cnr.it

Phone +393471604003

Phone 2 *+xxx xxxxxxxxx*

Other contact persons

First Name	Last Name	E-mail	Phone
Alfieri	Pollice	alfieri.pollice@ba.irsa.cnr.it	+393294383507

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Dr	Alfieri	Pollice	Man	Italy	alfieri.pollice@cnr.it	Category A Top grade re	Leading	0000-0003-1528-4651	Orcid ID
Dr	Antonio	Lo Porto	Man	Italy	antonio.loporto@cnr.it	Category B Senior resea	Team member	0000-0002-4000-7106	Orcid ID
Dr	Anna Maria	De Girolamo	Woman	Italy	annamaria.degirolamo@ba.irsa.cnr.it	Category C Recognised	Team member	0000-0001-5605-6239	Orcid ID
Dr	Carlo	Salerno	Man	Italy	carlo.salerno@ba.irsa.cnr.it	Category D First stage r	Team member	0000-0002-8038-8345	Orcid ID

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☒
Technology developer	☒
Testing/validation of approaches and ideas	☐
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*De Girolamo, A.M., Lo Porto A., 2020. Source Apportionment of Nutrient Loads to a Mediterranean River and Potential Mitigation Measures. Water. 12, 577; doi:10.3390/ w12020577*
Publication	*De Girolamo, A.M., Balestrini, R., D'Ambrosio, E., Pappagallo, G., Soana, E., Lo Porto, A., 2017. Antropogenic input of nitrogen and riverine export from a Mediterranean catchment. The Celone, a temporary river case study. Agric. Water Manag. 187. doi:10.1016/ j.agwat.2017.03.025*
Publication	*Abouabdillah, A., White, M., Arnold, J.G., De Girolamo, a. M., Oueslati, O., Maataoui, A., Lo Porto, A., 2014. Evaluation of soil and water conservation measures in a semi-arid river basin in Tunisia using SWAT. Soil Use Manag. 30, 539–549. doi:10.1111/sum.12146*
Publication	*Ait-Mouheb N., Bahri A., Ben Thayer B., Benyahia B., Bourrié G., Cherki B., Condom N., Declercq R., Gunes A., Héran M., Kitir N., Molle B., Patureau D., Pollice A., Rapaport A., Renault P., Riahi K., Romagny B., Sari T., Sinfort C., Steyer J.-P., Talozi S., Topcuoglu B., Turan M., Wéry N., Yıldırımr E., Harmand J. (2018) - The reuse of reclaimed water for irrigation around the Mediterranean Rim: a step towards a more virtuous cycle? Regional Environmental Change (Springer), vol. 18, pp. 693-705.*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
Pavitra Ganga	*"Unlocking wastewater treatment, water re-use and resource recovery opportunities for urban and periurban areas in India"; Regional water quantity and water quality modelling tools to assess the impacts of adopted technologies / strategies and water resources allocation policies on water quantity/quality for the two case areas in India; H2020 Call H2020-SC5-2018-2019-2020, Topic: SC5-12-2018; Budget IRSA 350.000€*
Water4Crops	*"Integrating bio-treated wastewater with enhanced water use efficiency to support the Green Economy in EU and India" EU FP7 contract 311933 (01/08/12 – 31/07/16). Budget 6.000.000 euro; Budget IRSA: 800.000 euro*
Water4All	*Water Security for the Planet - Horizon Europe Partnership; HORIZON-CL6-2021-CLIMATE-01-02, project n. 101060874; 2022-2028; Budget 420 million €; Budget IRSA 1.2 million €*
Aquastress	*"Mitigation of water stress through new approaches integrating management, technical, economic and institutional instruments, EU FP6 IP contract 511231 (01/07/06 – 01/02/09) Budget: 10.3 Meuro; Budget IRSA: 0.883 Meuro*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Advanced Sensors for Soil Water Content	*Advanced, innovative farm scale sensors for soil water content for integration with remote sensed data to drive irrigation: COSMOS, Scintillometer, Eddy Covariance*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

Administrative forms

PIC	Legal name
906305533	*Associazione Nazionale Consorzi di gestione e tutela del territorio e acque irrigue - ANBI*

Short name: ANBI

Address

Street	Via di Santa Teresa 23
Town	Roma
Postcode	00198
Country	Italy
Webpage	http://www.anbi.it/

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is no (small- and medium-sized enterprise) for the call.

SME self-declared status	unknown
SME self-assessment	unknown
SME validation	unknown

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.* ☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◯ Woman ◉ Man ◯ Non Binary

First name* **Adriano** Last name* **Battilani**

E-Mail* **battilani.a@anbi.it**

Position in org. Directive technical staff

Department Associazione Nazionale Consorzi di gestione e tutela del territorio e acque irri ☒ Same as organisation name

☒ Same as proposing organisation's address

Street Via di Santa Teresa 23

Town Roma Post code 00198

Country Italy

Website http://www.anbi.it/

Phone +3906844321 Phone 2 +393357561658

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier

Role of participating organisation in the project

Project management	☒
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☒
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☐
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☒

Agricultural Water Stakeholder

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Software	*Irriframe platform has been developed by Water Boards Italian Association (ANBI) aiming to ensure an efficient use of water resources in the agricultural sector. https://www.irriframe.it/Irriframe*
Publication	*Battilani, A. 2015. Limited access to resources: challenges or opportunities? Acta Hort. (ISHS) 1081:27-40*
Publication	*Linker, R., Sylaios, G., Taskmakis, I., Ramos, T., Simionesei, L., Plauborg, F., Battilani, A., 2018. Sub-optimal model-based deficit irrigation scheduling with realistic weather forecasts.*
Publication	*Galioto, F. and Battilani, A., 2021. Agro-economic simulation for day-by-day irrigation scheduling optimisation. Agricultural Water Management, Volume 248. https://doi.org/10.1016/j.agwat.2021.106761*
Publication	*Munaretto, S., Battilani, A., 2014. Irrigation water governance in practice. The case of the Canale Emiliano Romagnolo district, Italy. Water Policy, Vol 16, No 3:578–594*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
AGRI 2015/0227, INFOPAC	*EU project dedicated to information, training, communication, and dissemination of water related topics in the CAP 2013-2020*
Alpine Drought Observatory - ADO	*Interreg Alpine Space Priority 3 - Liveable Alpine Space. ADO aim is to set up an Alpine Drought Observatory (ADO) and to derive recommendations for improved risk preparedness and efficiency of drought management, specifically, for the Alpine territory. The ADO itself will be a transnational Alpine-wide operational system with a web-interface (e.g. WebGIS, periodic reports) https://keep.eu/projects/23262/Alpine-Drought-Observatory-EN/*
MEDWAYCAP	*The MEDiterranean pathWAY for innovation CAPitalisation toward an urban-rural integrated development of non-conventional water resources Project aims to facilitate general access and promotion of best practices which include the improvement of treated wastewater reuse as a non-conventional water resource (NCWR) that can contribute to mitigating local water shortage.*
MACFRUT 2022	*Since 2018 AMBI organise demonstration on irrigation and several conferences, workshops and training courses. https://www.macfrut.com/news/2360/acqua_campus_presenta_tecnologie_pi__avanzate_per_risorse_idriche_e_nutrienti*
Inno2Hub	*ANBI is in charge of the secretariat of the think tank Inno2Hub, grouping private companies, universities, reaserch centers and associations with the aim to boost innovation uptake in the sectors of agriculture water governance and irrigation.*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
950815923	*FENAREG - FEDERACAO NACIONAL DE REGANTES DE PORTUGAL*

Short name: FENAREG

Address

Street	RUA 5 DE OUTURO 14
Town	CORUCHE
Postcode	2100-127
Country	Portugal
Webpage	www.fenareg.pt

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	yes
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	11/03/2013 - no
SME self-assessment	unknown
SME validation	11/03/2013 - no

Departments carrying out the proposed work

No department involved

Department name *Name of the department/institute carrying out the work.*

☒ not applicable

☐ Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country*

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title: Ms

Gender: (•) Woman ( ) Man ( ) Non Binary

First name*: **Carina**

Last name*: **Arranja**

E-Mail*: **secretariado@fenareg.pt**

Position in org.: General Secretary

Department: FENAREG - FEDERACAO NACIONAL DE REGANTES DE PORTUGAL

☒ Same as organisation name

☒ Same as proposing organisation's address

Street: RUA 5 DE OUTURO 14

Town: CORUCHE

Post code: 2100-127

Country: Portugal

Website: www.fenareg.pt

Phone: +351962055519

Phone 2: *+xxx xxxxxxxxx*

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier

Role of participating organisation in the project

Project management	☐
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☒
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Publication	*Technical Guide for the Assessment of Efficiency in the Use of Water and Energy in Hydro-agricultural Developments, is intended for all managing entities of national hydro-agricultural developments (i.e., Beneficiary and Irrigator Associations and Farmers' Boards), and can be applied internationally. It contains the tools that will guide technicians on systematic and systemic assessment of the efficiency of water and energy use in the water supply system of hydro-agricultural developments.*
Publication	*Technical Guide with Guidance on Irrigation Practices in Agricultural Exploration, intended for all national irrigators (ie, farmers) and contains a methodology that will guide them in carrying out a qualitative assessment of the efficiency of water application of pressure irrigation systems , at the level of the tertiary network (ie, farm).*
Publication	*Technical document for the dissemination of the results of the project AGIR- Assessment of Efficiency in the Use of Water and Energy in Hydro-agricultural Developments, produced during the year 2021 (Consultar aqui).Work presented at the Final Workshop of the project, held on October 1, 2021*
Publication	*Arranja, C., Cordeiro, D., Loureiro, Da., Alegre, H., Moreira, M., Rijo, M., Carriço, N., Felicíssimo, D., Brito da Luz, P., Santos, M., Chibeles, C., Sousa, G., Matos, M., (2020) - Approach to Assessing Efficiency in the Use of Water and Energy in Hydro-Agricultural Developments. 15º National Water Congress*
Publication	*Loureiro, D., Alegre, H., Moreira, M., Chibeles, C., Sousa, G., Matos, M., Cordeiro, D., Arranja, C. (2020) - Proposal for a performance evaluation system in the use of water and energy in hydro-agricultural developments. 8.º National Congress of Irrigation and Drainage.*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
SUWANU EUROPE network	*SuWaNu Europe is aimed at closing current innovation gaps and achieving effective implementation of reuse solutions in agriculture. It will expand the geographic coverage of its predecessor and create regional working groups for the development of Action Plans that will define strategies at the regional level with the aim of driving innovation in the agricultural and water sectors, improving the development of best practices and identifying the most appropriate to reach stakeholders.*
WEAM4i	*Development of a platform for the intelligent management of water and energy, which allows an almost elastic demand for services to support decision-making. The consortium was formed by 17 members from 5 European countries. Portugal participated with 4 entities: FENAREG, ABORO, ABROXO and AQUAGRI. The project started in November 2013 and lasted 3.5 years.*
AGIR	*Development of a Water and Energy Use Efficiency Assessment System at the level of Hydro-Agricultural Developments, establishing common metrics and a set of indicators that help in the management of transport and distribution systems in irrigation perimeters. Direct results are developed for the farmer on the optimal functioning of irrigation systems, taking into account the dimensioning of the connection to the secondary water supply network. The initiative was coordinated by FENAREG*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

PIC	Legal name
952387032	*INSTITUTO NAVARRO DE TECNOLOGIAS E INFRAESTRUCTURAS AGROALIMENTARIAS SA*

Short name: INTIA

Address

Street	AVENIDA SERAPIO HUICI 22 VILLAVA
Town	NAVARRA
Postcode	31610
Country	Spain
Webpage	www.intiasa.es

Specific Legal Statuses

Legal person	yes
Public body	no
Non-profit	no
International organisation	no
Secondary or Higher education establishment	no
Research organisation	no

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	28/04/2014 - no
SME self-assessment	unknown
SME validation	24/10/2012 - no

Departments carrying out the proposed work

Department 1

Department name: R&D Projects ☐ not applicable

☒ Same as proposing organisation's address

Street: AVENIDA SERAPIO HUICI 22 VILLAVA

Town: NAVARRA

Postcode: 31610

Country: Spain

Links with other participants

Type of link	Participant

Main contact person

This will be the person the EU services will contact concerning this proposal (e.g. for additional information, invitation to hearings, sending of evaluation results, convocation to start grant preparation). The data in blue is read-only. Details (name, first name and e-mail) of Main Contact persons should be edited in the step "Participants" of the submission wizard.

Title _____ Gender ◉ Woman ○ Man ○ Non Binary

First name* **Naatalia** Last name* **Bellostas Muguerza**

E-Mail* **nbellostas@intiasa.es**

Position in org. Director

Department INSTITUTO NAVARRO DE TECNOLOGIAS E INFRAESTRUCTURAS AGROALIMENTARIA ☒ Same as organisation name

☒ Same as proposing organisation's address

Street AVENIDA SERAPIO HUICI 22 VILLAVA

Town NAVARRA Post code 31610

Country Spain

Website *Please enter website*

Phone *+xxx xxxxxxxxx* *Phone 2* *+xxx xxxxxxxxx*

Other contact persons

First Name	Last Name	E-mail	Phone
Luis	Orcaray Echeverria	lorcaray@intiasa.es	+34 948 01 30 40
Damiana	Maiz Barrutia	dmaiz@intiasa.es	+34 948 01 30 40

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Dr	Luis	Orcaray	Man	Spain	lorcaray@intiasa.es	Category A Top grade re	Team member	0000-0002-9832-1448	Orcid ID

Role of participating organisation in the project

Project management	☒
Communication, dissemination and engagement	☒
Provision of research and technology infrastructure	☐
Co-definition of research and market needs	☐
Civil society representative	☐
Policy maker or regulator, incl. standardisation body	☐
Research performer	☐
Technology developer	☐
Testing/validation of approaches and ideas	☐
Prototyping and demonstration	☐
IPR management incl. technology transfer	☐
Public procurer of results	☐
Private buyer of results	☐
Finance provider (public or private)	☐
Education and training	☒
Contributions from the social sciences or/and the humanities	☐
Other If yes, please specify: (Maximum number of characters allowed: 50)	☐

List of up to 5 publications, widely-used datasets, software, goods, services, or any other achievements relevant to the call content.

Type of achievement	Short description (Max 500 characters)
Software	*WebGis Advisory service to farmers and technicians (Sigagroasesor platform)*
Software	*Web application for irrigation recommendations (App Riego)*
Other achievement	*Own technical magazine "Navarra Agraria" (https://navarraagraria.com/) addressed to farmers and technicians with most relevant experimentation outcomes*
Publication	*Presentation of the poster "Water and irrigation for climate change adaptartion and mitigation" at the XXXVIII National Irrigation Congress of Cartagena 2021.*
Publication	*Article on "Methodological Reflections on Monitoring Interactive Knowledge Creation during Farming Demonstrations by Means of Surveys and Observations". 16 July 2020. Publisher of Open Access Journals (MDPI)*

List of up to 5 most relevant previous projects or activities, connected to the subject of this proposal.

Name of Project or Activity	Short description (Max 500 characters)
NEFERTITI	*Networking European farms to enhance cross fertilisation and innovation uptake through demonstration. H2020 Programme. 2018-2022. https://nefertiti-h2020.eu/*
I2connect	*"Connecting advisers to boost interactive innovation in agriculture and forestry – i2connect project aims to fuel the competencies of advisors who will support and facilitate interactive innovation processes. https://i2connect-h2020.eu/ "*
FAIRSHARE	*Farm Advisory digital Innovation tools Realised and Shared. https://www.h2020fairshare.eu/*
LIFE NADAPTA	*Towards an integrated, coherent and inclusive implementation of Climate Change Adaptation. LIFE Programme. 2017-2025. https://lifenadapta.navarra.es/es/*
AGRILINK	*Agricultural knowledge: linking farmers, advisors and researchers to boost innovation. H2020 Programme. 2017-2021. http://www.agrilink2020.eu*

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)
Experimental and demonstration farms	*6 farms across the region covering livestock, arable and horticultural crops, two of them certified under organic production.*

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? (●) Yes ( ) No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

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3 - Budget

No.	Name of beneficiary	Country	Role	Personnel costs/€	Subcontracting costs/€	Purchase costs - Travel and substistence /€	Purchase costs - Equipment/€	Purchase costs - Other goods, works and services/€	Internally invoiced goods and services/€ (Unit costs-usual accounting practices)	Indirect costs/€	Total eligible costs	Funding rate	Maximum EU contribution to eligible costs	Requested EU contribution to eligible costs/€	Max grant amount	Income generated by the action	Financial contributions	Own resources	Total estimated income
1	Enspire Science Ltd.	IL	Coordinator	189,000	15,000	22,500	0	120,000	0	82875.00	429375.00	100	429375.00	429,375	429375.00	0	0	0	429375.00
2	Uniwersytet Przyrodniczy We Wroclawiu	PL	Partner	182,700	0	13,500	0	27,250	0	55862.50	279312.50	100	279313.00	279,313	279313.00	0	0	0	279313.00
3	Agrogeo Agarfejleszto-foldtani-fovallalkozo Korlatolt-felelossegu Tarsasag	HU	Partner	75,000	0	15,000	0	11,250	0	25312.50	126562.50	100	126563.00	126,563	126563.00	0	0	0	126563.00
4	European Irrigation Association	BE	Partner	171,500	0	15,000	0	42,250	0	57187.50	285937.50	100	285938.00	285,938	285938.00	0	0	0	285938.00
5	Ecologic Institut Gemeinnützige Gmbh	DE	Partner	241,200	0	20,700	0	37,250	0	74787.50	373937.50	100	373938.00	373,938	373938.00	0	0	0	373938.00
6	Centrum Doradztwa Rolniczego W Brwinowie	PL	Partner	193,567	0	12,750	0	49,000	0	63829.25	319146.25	100	319146.00	319,146	319146.00	0	0	0	319146.00
7	Seges Innovation Ps	DK	Partner	286,525	0	15,000	0	24,250	0	81443.75	407218.75	100	407219.00	407,219	407219.00	0	0	0	407219.00
	Assemblee										76562.50		76563.00		76563.00				76563.00

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8	Permanente Des Chambres D'agriculture	FR	Partner	48,000	0	11,250	0	2,000	0	15312.50		100		76,563		0	0	0	
9	Chambre D'agriculture Du Loiret	FR	Affiliated	75,000	0	12,000	0	3,000	0	22500.00	112500.00	100	112500.00	112,500	112500.00	0	0	0	112500.00
10	Chambre Regionale D'agriculture Nouvelle - Aquitaine	FR	Affiliated	195,000	0	12,000	0	26,250	0	58312.50	291562.50	100	291563.00	291,563	291563.00	0	0	0	291563.00
11	Kmetijsko Gozdarska Zbornica Slovenije	SI	Partner	61,072	0	20,250	0	4,750	0	21518.00	107590.00	100	107590.00	107,590	107590.00	0	0	0	107590.00
12	Kgzs Zavod Ptuj	SI	Affiliated	64,643	0	20,250	0	5,750	0	22660.75	113303.75	100	113304.00	113,304	113304.00	0	0	0	113304.00
13	Mreza Savjetodavnih Sluzbi Jugoistocne Europe	HR	Partner	120,910	0	20,250	0	111,250	0	63102.50	315512.50	100	315513.00	315,513	315513.00	0	0	0	315513.00
14	Consiglio Nazionale Delle Ricerche	IT	Partner	197,500	0	17,000	0	24,750	0	59812.50	299062.50	100	299063.00	299,063	299063.00	0	0	0	299063.00
15	Associazione Nazionale Consorzi Di Gestione E Tutela Del Territorio E Acque Irrigue - Anbi	IT	Partner	108,471	0	11,250	0	6,250	0	31492.75	157463.75	100	157464.00	157,464	157464.00	0	0	0	157464.00
16	Fenareg - Federacao Nacional De Regantes De Portugal	PT	Partner	68,900	0	11,250	0	11,750	0	22975.00	114875.00	100	114875.00	114,875	114875.00	0	0	0	114875.00
17	Instituto Navarro De Tecnologias E Infraestructuras Agroalimentarias Sa	ES	Partner	130,062	0	10,500	0	7,250	0	36953.00	184765.00	100	184765.00	184,765	184765.00	0	0	0	184765.00
			TOTAL	2,409,050	15,000	260,450	0	514,250	0	795937.50	3994687.50		3994692.00	3,994,692	3994692.00	0	0	0	3994692.00

4 - Ethics & security

Ethics Issues Table

1. Human Embryonic Stem Cells and Human Embryos			Page
Does this activity involve Human Embryonic Stem Cells (hESCs)?	○ Yes	◉ No	
Does this activity involve the use of human embryos?	○ Yes	◉ No	
2. Humans			**Page**
Does this activity involve human participants?	○ Yes	◉ No	
Does this activity involve interventions (physical also including imaging technology, behavioural treatments, etc.) on the study participants?	○ Yes	◉ No	
Does this activity involve conducting a clinical study as defined by the Clinical Trial Regulation (EU 536/2014)? (using pharmaceuticals, biologicals, radiopharmaceuticals, or advanced therapy medicinal products)	○ Yes	◉ No	
3. Human Cells / Tissues (not covered by section 1)			**Page**
Does this activity involve the use of human cells or tissues?	○ Yes	◉ No	
4. Personal Data			**Page**
Does this activity involve processing of personal data?	○ Yes	◉ No	
Does this activity involve further processing of previously collected personal data (including use of preexisting data sets or sources, merging existing data sets)?	○ Yes	◉ No	
Is it planned to export personal data from the EU to non-EU countries? Specify the type of personal data and countries involved	○ Yes	◉ No	
Is it planned to import personal data from non-EU countries into the EU or from a non-EU country to another non-EU country? Specify the type of personal data and countries involved	○ Yes	◉ No	
Does this activity involve the processing of personal data related to criminal convictions or offences?	○ Yes	◉ No	
5. Animals			**Page**
Does this activity involve animals?	○ Yes	◉ No	
6. Non-EU Countries			**Page**
Will some of the activities be carried out in non-EU countries?	○ Yes	◉ No	
In case non-EU countries are involved, do the activities undertaken in these countries raise potential ethics issues?	○ Yes	◉ No	
It is planned to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)?	○ Yes	◉ No	
Is it planned to import any material (other than data) from non-EU countries into the EU or from a non-EU country to another non-EU country? For data imports, see section 4.	○ Yes	◉ No	
Is it planned to export any material (other than data) from the EU to non-EU countries? For data exports, see section 4.	○ Yes	◉ No	
Does this activity involve low and/or lower middle income countries, (if yes, detail the benefit-sharing actions planned in the self-assessment)	○ Yes	◉ No	
Could the situation in the country put the individuals taking part in the activity at risk?	○ Yes	◉ No	
7. Environment, Health and Safety			**Page**

Does this activity involve the use of substances or processes that may cause harm to the environment, to animals or plants.(during the implementation of the activity or further to the use of the results, as a possible impact) ?	○ Yes	◉ No	
Does this activity deal with endangered fauna and/or flora / protected areas?	○ Yes	◉ No	
Does this activity involve the use of substances or processes that may cause harm to humans, including those performing the activity.(during the implementation of the activity or further to the use of the results, as a possible impact) ?	○ Yes	◉ No	

8. Artificial Intelligence			Page
Does this activity involve the development, deployment and/or use of Artificial Intelligence? (if yes, detail in the self-assessment whether that could raise ethical concerns related to human rights and values and detail how this will be addressed).	○ Yes	◉ No	

9. Other Ethics Issues			Page
Are there any other ethics issues that should be taken into consideration?	○ Yes	◉ No	

I confirm that I have taken into account all ethics issues above and that, if any ethics issues apply, I will complete the ethics self-assessment as described in the guidelines How to Complete your Ethics Self-Assessment ☒

Administrative forms

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Ethics Self-Assessment

Ethical dimension of the objectives, methodology and likely impact

NA

Remaining characters 4998

Compliance with ethical principles and relevant legislations

NA

Remaining characters 4998

Administrative forms

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Security issues table

1. EU Classified Information (EUCI)[2]			Page
Does this activity involve information and/or materials requiring protection against unauthorised disclosure (EUCI)?	○ Yes	◉ No	
Does this activity involve non-EU countries?	○ Yes	◉ No	
2. Misuse			**Page**
Does this activity have the potential for misuse of results?	○ Yes	◉ No	
3. Other Security Issues			**Page**
Does this activity involve information and/or materials subject to national security restrictions? If yes, please specify: (Maximum number of characters allowed: 1000)	○ Yes	◉ No	
Are there any other security issues that should be taken into consideration? If yes, please specify: (Maximum number of characters allowed: 1000)	○ Yes	◉ No	

[2]According to the Commission Decision (EU, Euratom) 2015/444 of 13 March 2015 on the security rules for protecting EU classified information, "European Union classified information (EUCI) means any information or material designated by an EU security classification, the unauthorised disclosure of which could cause varying degrees of prejudice to the interests of the European Union or of one or more of the Member States".

[3]Classified background information is information that is already classified by a country and/or international organisation and/or the EU and is going to be used by the project. In this case, the project must have in advance the authorisation from the originator of the classified information, which is the entity (EU institution, EU Member State, third state or international organisation) under whose authority the classified information has been generated.

[4]EU classified foreground information is information (documents/deliverables/materials) planned to be generated by the project and that needs to be protected from unauthorised disclosure. The originator of the EUCI generated by the project is the European Commission.

Proposal template Part B: technical description

A EUROPEAN ADVISORY NETWORK FOR SUSTAINABLE USE OF WATER IN AGRICULTURE (WATERNET4AGRI)

n.	Short name	Organisation name	State
1	Enspire	Enspire Science Ltd.	IL
2	UPWr	Uniwersytet Przyrodniczy We Wroclawiu	PL
3	Agrogeo	Agrogeo Agarfejleszto-Foldtani-Fovallalkozo Korlatolt Felelossegu Tarsasag	HU
4	EIA	European irrigation association	BE
5	ECO	Ecologic Institut gemeinnützige GmbH	DE
6	CDR	Centrum Doradztwa Rolniczego w Brwinowie	PL
7	SEGES	SEGES Innovation P/S	DK
8 9 10	APCA CA-Loiret CRA-NA	Assemblée Permanente des Chambres d'Agriculture Chambre d'Agriculture du Loiret **(affiliated partner)** Chambre régionale d'Agriculture de Nouvelle Aquitaine **(affiliated partner)**	FR
11 12	CAFS PTUJ	Chamber of Agriculture and Forestry of Slovenia Agricultural and forestry Institut Ptuj **(affiliated partner)**	SI
13	SEASN	South Eastern Europe Advisory Service Network	HR
14	IRSA-CNR	Consiglio Nazionale Delle Ricerche	IT
15	ANBI	Associazione Nazionale Consorzi di Gestione e Tutela del Territorio e Acque Irrigue	IT
16	FENAREG	Federacao Nacional de Regantes De Portugal	PT
17	INTIA	Instituto Navarro de Tecnologias e Infraestructuras Agroalimentarias Sa	ES

1. Excellence

1.1 Objectives

There is no doubt that water is one of the most critical resources for agriculture, and that the availability of water of sufficient quality is a necessary condition to maintain crops and livestock production. Conversely, agricultural activities can have a huge impact (positive and negative) on the quantity and quality of water resources. While having freshwater at hand may be seen as a given, climate change and population growth lead to an ongoing increase in both seasonal and perennial water scarcity, with knock-on effects on water quality, and may lead to severe water shortage in the long-run[1]. The agricultural sector is the EU's largest consumer of water, responsible for the use of up to 60% of water across the EU[2], and plays a double role in this topic: strongly impacted by changes to water availability and quality on the one hand, and strongly impact water quality and its availability on the other. The exchange of knowledge and practical approaches that support the sustainable use of water in agriculture can have positive effects on both these roles. Advisory services addressing sustainable water use can improve farm sustainability (e.g., reducing the risk of crop failure by improving water use efficiency), but also reduce externalities derived from agricultural practices (e.g., reducing nutrient losses from agricultural fields which lead to water pollution), thus leading to improved economic and environmental sustainability of the agricultural sector. Increased uptake of the latest knowledge, approaches and tools related to water use in agriculture can also play a key role in reaching important EU policy objectives. They support the implementation of new policy initiatives such as the Zero Pollution Action Plan and the Farm to Fork Strategy of the European Green Deal, but also help achieve compliance with old but still challenging legislation such as the Water Framework Directive and the Nitrates Directive.

Key to an increased uptake of improved practices is the active involvement of all relevant stakeholders. While a considerable amount of information and knowledge on sustainable water use is generated by experts across Europe (e.g., researchers, farmers and entrepreneurs), without promoting knowledge and experience sharing practices this knowledge may remain local, not optimally distributed and underused. This project aims to establish an EU advisory network on water use, **increasing the flow of information, exchange of knowledge and best practices on optimized water use and management, and supporting the translation of knowledge into application**.

The project's **specific and measurable objectives** and their respective validation measures are:

1. **Establish an EU advisory network dedicated to water use.** The network will aim to bring together advisors from relevant fields (e.g., irrigation, water pollution, water retention, water governance, water systems and technologies, wastewater re-use, and soil health) from across the 27 European MS (EU-27) and beyond. The advisory network will consider the perspectives and conditions (e.g., financial, local) of all the EU-27 and provide diverse and adjustable tools and services for the benefit of stakeholders across Europe.
   Validation: At least 500 members from all EU MS by the end of the project, 10-50 from each MS depending on local sector size; one hybrid (online-offline) network-wide conference per year.

[1] https://www.eca.europa.eu/Lists/ECADocuments/SR21_20/SR_CAP-and-water_EN.pdf

[2] https://www.eea.europa.eu/publications/water-and-agriculture-towards-sustainable-solutions

2. **Increase the exchange of state-of-the-art knowledge and know-how through the establishment of an online portal for communication between advisors.** The online portal will assist in forming a water advisory community, facilitate the exchange of practices and knowledge between advisors across the EU, and serve as a platform for advisors seeking for resources and support. The platform will allow ongoing, early and large-scale sharing of approaches, methods, technologies and practices aiming to ensure sustainable water use. Furthermore, the portal can be used to co-create new guidelines and practices through a national and international collaboration.
   Validation: A functioning portal for advisors from across Europe and beyond used for knowledge exchange.
3. **Increase the number of water advisors and strengthen their skills through training.** The training activities will be developed based on the needs of advisors from the EU-27 and equip them with necessary skills and capabilities to be of aid for farmers, policy makers and innovators involved in agriculture, specifically in the area of water use in agriculture. Topics of training will be also adjusted to specific regional and subregional needs mirroring different European nature and geographical conditions. These needs will be elicited by our project experts applying co-creation-based instruments (i.e., questionnaires, focus groups, regional and subregional peer review of experts). Moreover, training curriculum will cover different level of professional skills and knowledge base (basic, medium, advanced) to mirror diversification of advisory skills across the EU (i.e., basic to advanced). In addition to material addressing water advisors, we will also include commonly elaborated education and support resources for catchment officers, policy makers, local facilitators and additional stakeholders in water management and environmental mitigation measures focused on agricultural water management.
   Validation: Updating training curricula; delivery of at least 150 training activities throughout the five years.
4. **Increase the use of novel digital advisory tools by advisors.** As part of modernizing and transitioning towards smart water use for agriculture**,** WATERNET4AGRI will review the landscape of digital tools that can support advisors in integrating these tools in their daily work. Additionally, WATERNET4AGRI will create guidelines, resources and additional practical measures that can be used in various EU Member States (MS) to optimize advisory services on water use and management through the adoption of digital tools. We will consider local and financial conditions in different MS while promoting various digital measures.
   Validation: List of digital tools for advisors; resources for optimizing the work of through digital tools integration.
5. **Enhance the role of water advisors in multi-actor approaches and integrate them in MS' Agriculture Knowledge and Innovation Systems (AKIS).** To ensure that the knowledge, tools and advisory capabilities are diffused and utilized at the local, regional and national level, advisors will be provided with tools to be able to carry out local activities, such as delivering training to farmers and advisors, leading and participating in local multi-actor initiatives and policy making processes, and act as innovation-brokers. In return it will be asked to advisor to provide feedback on the quality and adaptation of material used for supporting the transfer of knowledge. Furthermore, we will collaborate with relevant projects and initiatives, including EIP-AGRI and SCAR-AKIS, with the aim to strengthen the role of the advisors in their MS's AKIS.
   Validation: Advisors are: leading and/or actively participating in local and regional multi-actor initiatives on innovative and sustainable water use in agriculture; delivering training to farmers; contributing to policy-making.

1.2 Coordination and/or support measures and methodology

The establishment of the WATERNET4AGRI network and its activities will be driven by three underlying principles:

1. **Modernization of the agriculture sector** is one of the main steps on the way to sustainable agriculture in general, and within that, sustainable water use. Several initiatives at the EU level are supporting this purpose, including dedicated funding for research and innovation activities (e.g., Horizon Europe calls and PRIMA), the Agricultural European Innovation Partnership (EIP-AGRI) promoting competitive and sustainable farming[3], and the farm advisory systems guiding farmers on environment, public and animal welfare.[4] Constant circulation and exchange of knowledge within the advisory network, as well as promotion of digitalization and adoption of technologies and innovations dedicated to water use by the advisors, will support these modernization efforts.
2. While the advisory network will be established at the European level, to properly utilize the knowledge and tools in local contexts, it is vital to **integrate the advisors in their MS Agriculture Knowledge and Innovation System (AKIS)**. The network activities will facilitate exchange of knowledge and experience between experts and advisors from different particular contexts, inspiring stakeholders from different regions and states across Europe to adopt and implement sustainable methods, practices and tools that are adjusted to their local settings and conditions (e.g., crops and crop rotation patterns, soil conditions, weather conditions, local regulation and cultural considerations, and financial affordability). The exchange of knowledge and practices will enhance the capacity of both new and experienced advisors to positively transform local agriculture practices, policies, and knowledge sharing procedures on water use in their MS. Furthermore, it will allow improved support and advising services to farmers, policy-makers and additional relevant stakeholders.

[3] https://ec.europa.eu/eip/agriculture/en/node

[4] https://ec.europa.eu/info/food-farming-fisheries/sustainability/modernising-agriculture_en

3. The uptake of new knowledge and practices related to water use shall be achieved through the **implementation of a multi-actor approach**, bringing together all relevant stakeholders for a process of mutual creation and collaboration**.** Through involving the various actors in the project's activities from the beginning to the end (advisors, farmers, experts from academia and industry, policy makers, service and technology providers from the private sector, environmental organizations, civil society and consumers), we will be able to provide measures and solution focusing on real needs and problems of all relevant stakeholders. Throughout the project, we will promote cooperation and effective stakeholder participation for improved water management (e.g., co-governance) that can deliver more sustainable and long-term approaches to managing and improving the implementation of key environmental objectives such as the Water Framework Directive (WFD), the Nitrates Directive (NiD) and the Sustainable Use Directive (SUD) for pesticides.

These three inter-related notions will guide the development of activities and measures aiming to strengthen the role of advisors in the field of sustainable water use and management in agriculture, as presented in figure 1. Through the network activities, we will promote local uptake of knowledge and innovation, support the integration of advanced tools for water use that provide response to real problems raised by different stakeholders and foster local collaborations and partnerships dedicated to sustainable water use. Specifically, the network will focus on promoting these notions with respect to four broad aspects of water use and management in agriculture: sustainable irrigation, water retention, avoiding water pollution and the cross-cutting topic water governance and collaborative approaches to water management. The network will promote advisors' adoption of newly recognized and advanced knowledge, technologies and approaches in these four areas, systematically contributing towards sustainable water use and management in.WATERNET4AGRI will strive to reach out with these activities to advisors in all MS, exposing experienced advisors to new approaches, knowledge and solutions that can be integrated in their local context, as well as expand the available skills and knowledge of inexperienced and new advisors.

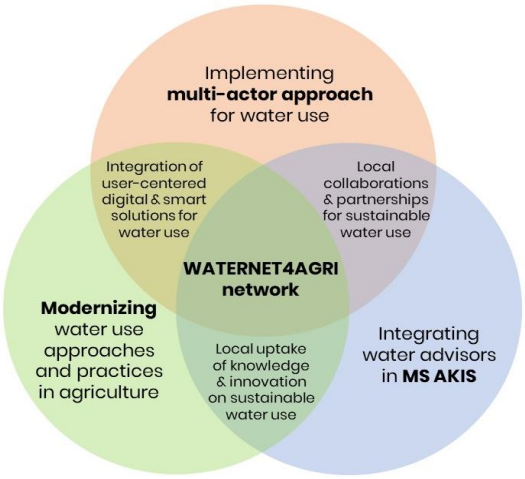


Figure 1: WATERNET4AGRI's underlying

1.2.1 Network structure and arrangements

1.2.1.1 Network setup and structure

The network will be established as soon as the project begins. At the top of its organizational structure, the network will include the governing committee, which will be composed of one representative from each partner organization of the consortium. The committee will be in charge of determining the ongoing objectives and goals of the network, as well as act as the ultimate decision-making body. A general office for the day-to-day management of the network and its activities will be created, to ensure the continuous and smooth handling of the administrative, financial and bureaucratic aspects related to the network's management. Each partner will serve as a node of the network within their MS (and beyond, when possible), to support advisors and promote their engagement in the project activities and in their integration in their MS AKIS. Advisors and network members will be able to address the partners and receive support, information and relevant resources to effectively carry out their work.

The described organizational structure will be the initial structure of the network. We will explore potential ways to improve the structure based on the experience gained in the implementation of the project. For example, we will examine the potential of creating official nodes within each Members State, through encouraging organizations to become national focal point connecting the network and the local stakeholders. Additionally, we will look into the possibility of creating cooperatives covering several MS sharing similar challenges, needs and conditions.

1.2.1.2 Network community

The network will involve advisors working on water-relevant topics from across Europe and from the public, private, academic and third sectors to maximize the activities' outreach and create meaningful impact for as many of the EU-states as possible. As we realize that water advisory services across the EU states ranges between highly developed (e.g., in Germany, France, Denmark, Spain) and in need of further development (e.g., Poland, Slovenia, Bulgaria), our definition of "water advisors" acknowledges these differences. Thus, we will target advisors who are working mainly on the topic of water use in agriculture, as well as advisors and experts providing general agricultural advice and which do not have water management as their main focus, but who can benefit from the activities to promote sustainable water use within their Member State. These include for example general agriculture advisory organizations, NGOs and environmental services interested in expanding their advisory work to water topics. In addition, we will target organizations that do not directly carry out advisory work, but can still benefit from the content and contribute to the promotion of sustainable water use through advisory services, while also bringing

together diverse perspective and needs, e.g., agriculture governmental bodies, agriculture and environmental NGOs, catchment mangers, relevant farmer organizations, and research institutions.

We will recruit members using the partners' existing networks, as well as through leveraging on the agriculture advisor database developed in the project I2connect (coordinated by APCA). We will target advisors focused on water use and invite them to join the network, as well as invite agriculture advisors from states where water advisory is underdeveloped. Furthermore, we will use the partners' networks to approach national and international farming associations (e.g., ANBI, FENAREG, SEGES, Agrogeo) and policy makers (e.g., IRSA-NCR, EIA, ECO) to take part in the project activities dedicated for farmers and practitioners. Ultimately, we will ensure that the network will be focused on the **advancement of water advisory services across Europe**, while also putting into practice the **multi-actor approach** which is vital for the successful implementation of the measures provided in this project.

1.2.1.3 Monitoring and feedback

We will develop and apply monitoring and feedback mechanisms, making sure that the network's activities and content comply with the needs and expectations of the advisors. In general, alongside inviting advisors to express their feedback and needs in the various communication channels that will be developed for the project (e.g., online portal, project's website, social media) we will apply two dedicated measures:

- Initial survey – We will distribute a survey in the first year of the project to relevant stakeholders to capture their needs and expectations regarding the network's activities, as well as monitor the extent to which the knowledge to be provided through the network activities is already utilized by the advisors within their MS. The information obtained from the survey will be used to adjust the network's activities.
- Monitoring changing needs – To ensure that the network activities meet the changing expectation of water advisors over time, we will carry out regular focus groups and experts/advisors peer review on EU and regional/subregional levels to guarantee an appropriate mirroring of EU diversification.
- Co-creation of content and activities – We will invite advisors, farmers and policy makers to participate in the planning of the training curricula, the content of the events and the creation or adaptation of resources and support measures for advisors across Europe. To stimulate such co-creation processes, we will hold dedicated events and workshops, as well as create interactive activities in the project's online platforms to receive stakeholder's inputs.

1.2.1.4 Sustainability

To create a path for the **sustainability of the network** beyond the project's scope, we will apply several measures. **First**, we will implement a "learning by doing" approach, meaning that we will gain hands-on experience, adapt content, and improve the etwork on an ongoing basis. Based on this experience, we will be able to provide solid recommendations on the future functioning of the network. **Second**, we will explore the financial and structural possibilities for maintaining the network beyond the scope of the project. This will include, reviewing the available funding that can ensure the continuation of the network activities and the potential integration of the network within existing networks such as EUFRAS and Water Europe. Additionally, the project will facilitate participation of water advisory services in other initiatives funded by different sources (e.g., Horizon Europe, EIP-Operational Groups). **Third**, content and resources developed in this project will be openly available (subjected to IP limitations) in various sustainable and dedicated platforms to ensure that the outputs will continue making an impact across Europe after the project's end. This will include, for example, repositories for knowledge related to agricultural best-practices (e.g., EU FarmBook developed in the EUREKA project[5] and the EU-wide interactive knowledge reservoir for AKIS being developed under the call HORIZON-CL6-2021-GOVERNANCE-01-24).

1.2.2 Network's main focus areas

The network's activities and the measures will focus on four thematic areas: sustainable irrigation with varying water qualities, water retention management, avoiding water pollution, and water governance and collaborative approaches. These areas will focus on issues related to water quantity and quality, and the cross-cutting issue of water co-governance. Together, these four areas cover the most significant challenges and aspects related to sustainable water use across the EU. The challenges, objectives, and activities for each of these thematic areas are described below.

1.2.2.1 Focus area 1: Sustainable irrigation with varying water quality

In many EU regions, irrigation is one of the most important agricultural processes necessary for securing plant growth. At the same time, irrigation accounts for most of the water consumption in agriculture. As climate change leads to an increase in water scarcity in many regions, it is important to secure the ability to irrigate lands with the necessary quantities of qualitative water, while also applying practices to avoid escalation in water shortage. Thus, this focus area will concentrate on **improving advisory services and practices on sustainable irrigation** to enhance the adoption and implementation of sustainable approaches for irrigation purposes.

[5] https://h2020eureka.eu/

When it comes to sustainable irrigation, several aspects should be considered. First, in light of the more frequent drought, promotion of approaches and methods for water savings, such as precision irrigation and wastewater re-use for irrigation are necessary. Second, as the quality of irrigation water affects the agricultural product, irrigation water should be used in a way that mitigates risks such as irrigation water contamination or accelerated aging of irrigation systems, which may ultimately affect water efficiency and food quantity and quality. This includes challenges such as coping with pathogens and micropollutants, and salinity in irrigated soils to avoid its accumulation. Third, while technologies, digital systems and decision support tools (DST) relying on sensors aiming to maximize water use efficiency are available for farmers, their integration in farms is not always successful, as these systems may be complex to operate or require maintenance that cannot be carried out by farmers during the busy irrigation season.

WATERNET4AGRI will contribute to addressing these challenges by providing advisors with knowledge, practices and tools focused on optimizing water use for irrigation, managing water quality, as well as maximizing the potential of technologies and digital tools for sustainable irrigation. This will include (but is not limited to):

- Collecting available information on irrigation approaches and best-practices, and co-creating with advisors and farmers generic and commonly agreed guidelines, resources, and additional material from across Europe, that can be adopted and adapted by advisors to their MS local context and boundary conditions.
- Disseminating efficient practices and tools to manage and improve irrigation water's quality and quantity.
- Develop and deliver training to advisors from across Europe to support adoption and long-term use in irrigation technologies, automation and sensors; sustainable irrigation practices; and in irrigation system design, management and maintenance targeting water use efficiency.

1.2.2.2 Focus area 2: Water retention management

Improving the ability to store water through natural and artificial means becomes increasingly important as climate change effect becomes more evident. The lack of sufficient soil water storage capacity induces higher needs for irrigation, which leads to higher pressure on water bodies when demand is high. Water management adjustment strategies based on agronomy (e.g., crop rotation) and soil water retention capacity enhancement are of high interest for some regions. The project will focus on **improving advisory services and practices on water retention management enhancement**, allowing the adoption of sustainable practices to improve water use across Europe.

Several challenges and aspects should be addressed to achieve better water retention in agriculture. First, strategies for retaining water should vary in line with different agricultural practices, landscapes and geo-climatic regions. There are no "one-size-fits-all" solutions, which increases the difficulty when implementing wide-scale solutions, even within the same states. Thus, it is important to make strategies accessible for practitioners based on specific pedo-climates to maximize landscape water retention when rainfall is in excess, making it available in dry periods. Second, water pollution reduction and nutrient recycling are challenges that in some contexts can be addressed using water retention measures at a farm catchment scale. Using measures such as constructed wetlands, nutrient losses due to runoff and leaching can be mitigated. Nutrient recovery strategies and technologies need to be widely transferred while better controlling fertilization strategies. Finally, a behavioural change of farmers is required to optimize water retention on their lands (e.g., land rewetting).

WATERNET4AGRI will deliver training, carry out activities and implement measures to empower advisors to support the adjustment of water management strategies adapted to regional needs within the context of climate change, the European Green Deal and the United Nations Sustainable Development Goals. This will be done through:

- Providing advisors with means to improve water retention strategies for different agricultural practices, landscapes and geo-climatic regions together with farmers, exchanging experiences between states,
- Supporting advisors in promoting regional water retention policy for different practices such as rewetting, soil water conservation strategies promoting rain-harvesting and crop rotation that optimize water uses.
- Promoting the implementation of measures to facilitate the exchange of water pollution control and nutrient recovery strategies between advisors, experts, policy makers and other stakeholders.
- Enhancing advisory knowledge capacity on water quality control and water retention strategies to change farmers' behaviour, and support national policies on water quality control.
- Providing advisors with mitigation measures such as integrated constructed wetlands, wetlands systems with woodchip bioreactors, saturated buffer zones, intelligent buffer zones and controlled drainage.

1.2.2.3 Focus area 3: Avoiding water pollution

Agricultural practices can cause notable water pollution. Water pollution with nitrates and plant protection products pesticides is in some regions a very significant issue for drinking water quality, but also for the ecological status of surface waters and groundwater. While the issue of water pollution is known and addressed at the policy level, many EU regions face issues complying with environmental regulation, with higher levels than allowed of pesticides and nutrients in surface and groundwaters derived from agricultural activities. In some EU regions, farmers need support

implementing requirements, such as Integrated Pest Management according to the Sustainable Use Directive. Furthermore, EU farmers require support in implementing requirements related to fertilisation and plant protection. We aim to **support of the EU advisory community capacity to provide more effective advisory services for farmers helps meeting existing and upcoming environmental regulations on water pollution.**

Many knowledge-based solutions exist that can improve agricultural measures and practices. Nitrogen leaching into groundwater is dependent on soil tillage practices (tilling can lead to significant nitrogen mineralisation), while tillage practices are in turn connected to the plant protection approaches available to a farmer for their crop rotation pattern. In some cases, relatively simple adjustments to these interrelated practices can already reduce nutrient leaching/pesticide application, which the farmer may not have been willing to implement due to lack of experience with that particular approach. Advisory services can thus support this behavioural change via knowledge transfer and reducing the farmer's risk perception. On the other side of the spectrum are more sophisticated approaches such as including meteorological data and web models for tailored fungicide, use of modern precision sprayers to spray only where necessary, use of satellite imagery to adjust nitrogen fertilisation, etc. Independent of the type of improved practices, farmer advisory services can support this behavioural change if they have the adequate capacity.

WATERNET4AGRI will aim to support the efforts to avoid water pollution through activities aiming to:

- Deliver training materials and a knowledge base for advisors meeting different needs related to regional contexts.
- Support the exchange on sustainable technologies, approaches and knowledge that reduce the leaching of nitrogen from agricultural surfaces to groundwater and surface waters, related to fertiliser application and soil tillage approaches. The exchanges of knowledge can focus on tools used to prevent pollution, farmers equipment to use less nitrogen and pesticides and also on the methodology to diffuse all this knowledge to farmers.
- Support the implementation of qualifications for advisors and farmers related to the application of plant protection products in the field.
- Provide recommendations for policy-makers regarding the scope of activities for advisory services, to meet requirements related to existing and upcoming environmental regulation.
- Develop recommendations and training material for policy-makers regarding policy creation, in all level.

1.2.2.4 Focus area 4: Water governance and collaborative approaches

In addition to technical knowledge, water advisors require knowledge on cross-cutting topics related to water governance and collaborative approaches to promote successful design and implementation of water management measures. Interventions to adapt water use and mitigate water pollution are not stand-alone, but require **governance arrangements** that enable the coordination with additional actors for their objectives to be met. In addition to the often top-down interventions related to governance arrangements, **collaborative approaches** should be implemented for water management measures, with farmers deciding voluntarily the manner and extent of measure implementation in coordination with other actors. Such collaborative approaches are being seen for instance in actions aiming to reach environmental objectives in individual catchments such as rewetting of degraded wetlands in Scandinavia.

These two types of approaches are relevant at different scales for the interactions of advisors, farmers, policy makers and additional groups. The regulatory and collaborative approaches can be applied to individual field and individual-farm measures, for example groundwater pumping restrictions when groundwater levels and river discharge is below a certain threshold and water metering requirements when the farm is connected to water sharing infrastructure. Collaborative approaches at these levels can be, for example, bonus payments to farmers on the basis of soil nitrogen residues after the growing season. moreover, improved water governance and collaboration can be applied to enhance coordination between farmers, and between farmers and other sectors. Examples for regulatory measures include water-sharing arrangements based on different criteria (e.g., farm size, type of crops) and development of groundwater plans with participation of all sectors to improve water quantity and quality. Collaborative approaches can be applied for coordination between farmers, and between farmers and other stakeholders, including local water partnerships for agricultural use, cooperatives for drinking water protection and local partnerships for multi-functional solutions, involving municipalities, farmers, water companies, environmental organisations, etc.

However, the different realities (e.g., agricultural, economic, climate) within the EU mean that the water management practices and approaches are context specific. WATERNET4AGRI will **advance the advisors' ability to apply integrative approaches which aims to distribute relevant ideas and knowledge between actors, ultimately improving water governance and promoting collaborative approaches in water use**. This will be done through:

- Development and delivery of training in co-governance and collaborative approaches, including:
  - Understanding of farmers' interest, and the limit of their wills to apply measures for sustainable water use.
  - Working with non-agricultural actors (e.g., local authorities, water providers and forestry sector) as part of promoting multi-actor approach and better integrate agriculture concerns and needs of various stakeholders.
  - Relevant EU policy processes and cycles including actions related to the European Green Deal.
  - Development of soft skills such as group moderation and facilitation for behaviour change.

- Stimulation of a series of dialogues between advisors with MS representatives on the topic of barriers to the implementation of novel approaches for sustainable water use, taking into account top-down regulation and bottom-up collaborative approaches.
- Delivery of training and education content for additional relevant actors (e.g., farmers, catchment officers and local facilitators) in local water management.

1.2.3 Training plan development and delivery

The training plan will be co-developed by the consortium and representatives of relevant stakeholder groups through dedicated activities, and will aim to advance both professional knowledge and advisory skills. Water and agriculture advisors from across the EU will be invited to participate in the process, and will be able to convey their perspectives and ideas with regards to the aspects that the training should cover to co-create curricula that meets the needs of the agriculture sector. We expect to include training activities and content related to methods, technologies and practices for sustainable water use in the scope of the thematic areas described above (1.2.2). As part of the implementation of the multi-actor approach, the training plan will be de based on the needs of the prospective trainees, and will be constantly updated against the developments in the State-of-the-Art and the changing needs of the stakeholders.

The training will be developed based on the understanding that different states have different needs. As we aim to deliver training that will benefit the EU-27, the plan will consider such differences. Based on the geographical diversity and knowledge of the consortium, as well as the mapping of local needs of the stakeholders, we will create a plan that will meet the diverse requirements. We will make sure that advisors from each states will benefit from at least several training activities, including through selective translation of materials to overcome language barriers. This will also include the acknowledgment and adjustment of the plan to differences in the extent to which water advisory services are developed across the EU-27, through including both basic knowledge and skills training targeting inexperienced advisors, as well as horizon-expanding session for experienced water advisors, exposing them to new knowledge, solutions and methods from across Europe. The plan will include diverse types of sessions and training events, including professional knowledge capacity increasing, on-site training in farms, train the trainers sessions, development of skills for the promotion of co-governance and collaboration, policy-related training.

The training will include both online and in-person events. Online training will include webinars, workshops, recorded training content, etc. In-person events will include two training seminars per year (starting from year two) for water advisors from across the EU-27, with 10-20 participants per event (depending on the topic and the target states). The expenses for travel and subsistence will be covered by the network, to motivate advisors to participate (a dedicated budget for that is allocated under the coordinator's budget). Within these training events, we will include hands-on, on-site training for farmers, in which the advisors will also take part. These on-site trainings will allow the delivery of effective training for farmers on sustainable water use while also providing advisors with the oprttunity to gain hands-on experience in on-site training. In-person training will be carried out in different geo-climatic regions to ensure that advisors and farmers from different states will benefit from the training. Overall, we expect to carry out at least 150 events throughout the project, developed and carried out by consortium members and external experts (e.g., advisors, researchers, farmers, entrepreneurs and policy makers) from different sectors. The following table includes an overview of the expected training activities:

Foreseen training activities	Target group	Quantity
Webinars in different languages and on various topics to increase professional knowledge	Advisors, farmers, policy makers, environmental organizations, consumers, catchments, researchers and additional stakeholders.	15 per year, **80 in total**
Online "train the trainers" events (e.g., basic and advanced advisory practices, soft skills)	Advisors	8 Per year, **40 in total**
In-person training seminars	Advisors	2 Per year form year 2, **8 in total**
On-site training	Farmers, advisors	2 Per year from year 2, **8 in total**
Policy-oriented training (e.g., understanding the WFD, policy making)	Advisors, farmers, policy makers	3 per year, **15 in total**

1.2.4 Promoting sustainable and smart water use across the EU

1.2.4.1 Integration in member state AKIS

An important element of the WATERNET4AGRI project is the facilitation of direct embedment of water advisory services into national AKIS as a precondition of their long-term effectiveness in improvement of water management across all EU MS. The network will act to empower advisors and provide them with the skills and knowledge needed to increase their involvement and participation in their MS AKIS. The activities will aim to increase advisors' training

delivery and policy advising abilities, their participation in relevant initiatives and the promotion of innovative measures and technologies for water use within their MS. Specifically, we will develop activities related to:

- **Bridging between European-wide regulation and farmers** – Farmers and practitioners can perceive the implementation of binding policies at the European level as unrealistic. WATERNET4AGRI will provide advisors with guidance, knowledge, support measures and tools allowing them to bridge between such regulations and their implementation on farms. These activities will support the bi-directional (top-down and bottom-up) flow of knowledge, practices, tools, etc. within MS. For example, we will provide advisors with guidelines that can facilitate compliance with Water Framework Directive objectives in their regions, but also empower them to advise policy makers for changes in policies so they will be closer to practice.
- **Fostering intra-state partnerships and knowledge exchange** – The network activities will also address the need for creating a dialogue between stakeholders within the states to overcome challenges and improve water use. Therefore, we will provide advisors with the needed tools to increase the knowledge and practices exchange within their MS. For example, we will deliver content on creating local partnerships of stakeholders, as well as soft-skill training related to effective communication and network building as part of MMA practical application.
- **Support in localization of practices and knowledge** – Exposure through the network activities to solutions and measures applied in other states can inspire advisors to apply similar solutions within their Member State. Therefore, we will encourage advisors to adjust and adopt proven measures from other states and local contexts, and promote their application in their Member State. For example, we will bring together advisors and engage them in an open discussion on the different water management measures implemented in their states that can be of interest to other states, potentially also creating a support network between advisors.

1.2.4.2 Promoting the use of digital advisory tools

Wide-scale integration of digital tools as part of everyday agricultural practices is an inherent component in the transition towards modern and sustainable water use in agriculture. Such tools include, for example, monitoring measures, support tools for precision irrigation, communication tools (e.g., farmer-advisor communication) and data-driven decision-making support measures. To promote the use of digital tools, appropriate and accessible facilitation measures should be provided to advisors and farmers. To this aim, WATERNET4AGRI will:

- Promote the deployment of existing easy-to-use tools that can be used by advisors and farmers through the training and other network activities, as well as provide training on identifying new tools and practices.
- Develop a handy list of digital tools based on a review of available tools and advisors' recommendations, that will take into account cost-benefit aspects and recommend on specific tools for specific geo-climatic conditions.
- Develop and disseminate working methods for advisors that integrates use of applications (web and smartphones) for improved communication with farmers.
- Pay special attention to promoting the use of digital tools in EU States where the integration of such measures is underdeveloped through dedicated content (in local languages).

1.2.4.3 Localization

The WATERNET4AGRI project acknowledges that advisors are operating in different local contexts and that resources and knowledge relevant to one state may not be relevant to another. As our ambition is to reach out with to all EU-27 states, we will apply several measures to ensure that the activities will have wide-scale outreach:

- **Overcoming language barriers** – We will strategically translate content that can be relevant in some MS to the local language(s). This strategy will ensure an effective dissemination of resources, targeting specific groups with relevant content. Furthermore, while the training seminars are expected to take place in English, we will motivate participants to promote the acquired knowledge in their MS in local language, to increase knowledge accessibility. Online training events dedicated for local groups will be carried out in the target groups' languages. Selected network-wide materials will be translated to all 24 EU-languages (dedicated resources will be allocated).
- **Coverage of the entire EU-27 –** WATERNET4AGRI will constantly develop activities in a way that ensures the contribution to water use advisory services across the EU-27. Additionally, we will ensure that the material and outcomes are suitable for integration into EU-wide activities such as the EU interactive knowledge reservoir (e.g., EU FarmBook[6]) The consortium encompass members from 11 EU MS, and consortium partners will be responsible for 1-2 neighbouring states to ensure that they are included in EU-wide activities (see T3.2 in WP3).
- **Network support system** – WATERNET4AGRI will foster discussions, support and collaborations between advisors. This will include interactive workshops where advisors will be able to learn and consult with experienced advisors on the adaptation and implementation of different solutions. For example, we will foster support practices such as coupling inexperienced advisors with experienced advisors that can mentor them and suggest ways to apply advanced practices and knowledge in different local settings. This can be especially important for advisors coming from states where water advisory is less developed and require more support to promote such practices in their MS.

[6] https://cordis.europa.eu/project/id/862790

1.2.5 Synergies and collaborations with other initiatives

To increase the potential outreach of the network's activities, we will seek to collaborate with as many initiatives and projects as possible, promoting sustainable water use through other platforms while also contributing to the efforts of related initiatives. First, WATERNET4AGRI activities will collaborate with EIP-AGRI to ensure that knowledge and outcomes generated through the work of the EIP-AGRI focus Group on Water and Agriculture"[7] and the EIP-AGRI Workshop "Connecting innovative projects: Water & Agriculture"[8] are integrated in the network's activities. We will also collaborate with SWG SCAR-AKIS to create collaborations between the projects to identify and address opportunities and challenges related to advisors' integration in their MS AKIS. Second, we will promote collaboration with relevant EU-funded projects for mutual benefits and increased impact. For example, we will leverage on the prospective database of European advisors developed by the i2connect project[9] (coordinated by APCA, who is a consortium member in this project) to identify water advisors and invite them to join the network, or deposit project resources in developing dedicated repositories such as the EU FarmBook developed in the EUREKA project[10]. An additional project we will collaborate with is WATERAGRI[11] (Coordinated by Miklas Scholtz from UPWr, who is another consortium member of this project).

Moreover, we will take into account past and ongoing H2020 projects dealing with water management. In particular, we will consider the projects FATIMA, FERTINNOWA, SolACE, FAirWAY, WATERPROTECT, WATER2RETURN, MOSES and RichWater. We will approach to still ongoing projects and develop collaborations and mutual promotion of the projects, as well as build on the results and outputs of these projects when possible.

1.2.6 Gender dimension

The project's activities will encourage the participation of all water and agriculture advisors regardless of their gender, involving female and male advisors and other stakeholders equally. While we do not foresee any potential differences between genders in terms of co-creation and participation, should such considerations will arise, we will act to ensure that all gender are equally able to take part in the project and the network's activities.

1.2.7 Open Science

WATERNET4AGRI will implement Several Open Science practices as an integral part of the methodology throughout the project. First, we will make the content of the project openly available as soon as possible to allow the knowledge and tools generated in this project to be accessed by as many interested parties as possible, as early as possible. This will include, for example, resources, guidelines, and training material (unless protected by IPR) that can be used by stakeholders. We will provide access to this content through the online platforms of the project, as well as through open repositories dedicated for agriculture advisory (e.g., EU FarmBook). We will also provide Open Access to scientific publications and to data (as will be described in the data management plan). In addition, throughout the entire project we will proactively involve actors from all groups of stakeholders, including the public through our dissemination and communication activities, to ensure that the results and outputs of the project are co-created by, and available to all. By making the project outputs as available and accessible as possible, including through considering language and accessibility considerations and addressing them by translating resources and disseminating them in appropriate channels, we aim to achieve greater impact on the EU-27.

1.2.8 Management of data and other research outputs

A data management plan (DMP) will be delivered in M6. In general, access to data and other research outputs will be provided with the expectation of cases in which potential confidential information is involved. The DMP will detail the types of data expected to be generated, collected and re-used in the project, outline how data will be managed in accordance with the FAIR principle and describe how it will be curated and preserved. As an initial overarching principle, we intend to adhere to the FAIR principle and make the data and research outputs:

1. **Findable** – Whenever relevant and possible, persistent identifiers, keywords and tags will be provided to optimize the searchability and potential to discover data and other research outputs.
2. **Accessible** – Elements such as the tools, practices and research outputs created in the project and relevant for will be open and accessible to all, upon free registration to the stakeholder platform.
3. **Interoperable** – We will use a formal, shared and broadly applicable language for knowledge representation in the data and outputs to ensure that the knowledge and tools are interoperable.
4. **Re-usable** – All provided data and outputs will be accompanied by descriptions and documentations when relevant. Data and outputs will be either free and accessible for all or licensed in a manner that will be clarified in the grant agreement, depending on the nature of the data and output.

[7] https://ec.europa.eu/eip/agriculture/en/publications/eip-agri-focus-group-water-and-agriculture-final

[8] https://ec.europa.eu/eip/agriculture/en/event/eip-agri-workshop-connecting-innovative-projects

[9] https://cordis.europa.eu/project/id/863039

[10] https://cordis.europa.eu/project/id/862790

[11] https://cordis.europa.eu/project/id/858375

2. Impact

2.1 Project's pathways towards impact

Achieving the overarching objective of the WATERNET4AGRI project, developing an EU advisory network on sustainable water use that will enhance exchange of knowledge and practices between advisors, as well as between advisors and other stakeholders (e.g., farmers, policy makers, academy and industry experts, consumers), will contribute to achieving desired impacts in several fields. In general, the project's activities are expected to contribute to the efforts expressed in policies and initiatives such as the European Green Deal, Common Agriculture policy and Farm to Fork objectives. Furthermore, the project will support the European Commission's efforts to modernize the agriculture sector, reduce its negative effects on the environment and society, support the shift towards smart and sustainable use in resources and contribute to achieving the objectives of the water and soil missions. The target groups that are expected to benefit from this project both directly and indirectly are first and foremost water advisors, who will acquire extensive knowledge and tools to carry out their work and be provided with a support network, but also farmers, policy makers, consumers, and society, benefiting from better approaches to use and mange water.

In the short term, **by the end of the project, we expect to achieve the following results**, all of which contribute to the ultimate goal of supporting the transition towards sustainable water use in agriculture across Europe:

- **A network dedicated to water advisors**, including at least 500 members from across the EU-27, exchanging knowledge and best practices, as well as providing support to stakeholders inside and outside the network.
- Mapping of the **state of water advisory across Europe**, providing a full picture on the EU-27 in terms of best practices, the scope of water advisory services for agriculture, relevant policies and initiatives in the national level, involvement of water advisors in each MS AKIS, and the needs related to water use and water management.
- Comprehensive **training plan and training material** in four focus area covering a large portion of aspects of water use in agriculture, that meet the needs of different European regions (including language and local considerations), and benefit water advisors in different levels (i.e., inexperienced and experienced advisors).
- Openly available **guidelines and resources** to improve compliance with EU and national policies, improve water use and management in terms of quantity and quality, and accelerate the integration of smart, digital and sustainable measures for water use in agriculture (including a catalogue of currently available digital tools and their potential application).
- **Policy recommendations** that can be used by policy makers to increase the alignment to sustainable water policy, including recommendations to adjust existing policies in a way that will facilitate the compliance by farmers.
- Improved knowledge and tools for advisors to **create and maintain local co-governance and partnerships** between all relevant stakeholders at the local level to enhance water use and management.

In the medium-term, achieving the above-mentioned results and disseminating them to the relevant stakeholders (as described in section 2.2) will contribute to **achieving the following main expected outcomes**:

- Increased generation and exchange of knowledge and practices between advisors in Europe to promote sustainable farming, ultimately resulting in significant contribution to **achieving Europe's objectives** with respect to sustainable use of natural resources (i.e., water) and maintaining a healthy environment.
- A more **modernized agriculture sector** through sharing and integrating advanced methods, tools and practices to be used for training farmers and supporting policy makers in the fields of water use and management in agriculture, as well as promoting digital and smart approaches to minimize negative climate effect (i.e., avoiding water shortage and water pollution) and increase sustainability.
- Water advisors across the EU-27 are **better integrated as an integral part of their MS AKIS**, better qualified to address economic, environmental and social aspects of water use and act as innovation and knowledge brokers. Advisors are also equipped with knowledge and tools to increase the uptake of scientific results, knowledge and advanced practices by farmers, policy makers and additional stakeholders in their Member State, specifically in the field of water use and water management.
- **Integration of the multi-actor approach** as part of the water advisory landscape across the EU, fostering dialogue and collaboration between advisors, farmers, policy makers, academic and industry experts and additional stakeholders with respect to water use and management. This will result in quicker uptake and implementation of targeted and more efficient knowledge, practices, sustainable solutions and policies.
- Improved water advisory knowledge and skills in MS **where water advisory is underdeveloped**, through promotion and training activities, as well as network support.

In the long run, **achieving these outcomes will ultimately contribute to achieving wider societal, economic/technological and scientific long-term impacts**, as follows:

2.1.1 Societal impact: Through the development of the network and the delivery of its activities, the WATERNET4AGRI project carries the potential to contribute to several desired societal impacts. First, by providing water advisors across the EU with advanced knowledge and tools acquired through training and knowledge exchange

within the network, advisors' capacity to support farmers, policy makers, consumers, and all relevant stakeholders is expected to significantly increase. Advisors' ability to positively impact on the field of water use and management in agriculture using this knowledge is expected to contribute to achieving the goals of the European Green Deal, in particular in the area of sustainable use in natural resources, clean water and healthy soils, and a more resilient agricultural sector in Europe. Additionally, through upscaling European water advisory knowledge and practices, WATERNET4AGRI will contribute, from the perspective of water use and management, to achieving several of the Farm to Fork Strategy aims including reducing the negative impact of agriculture on the environment, adapt water management practices to climate change, and facilitating the transition towards sustainable agriculture. Finally, the network's activities are expected to contribute to achieving several of the UN 2030 Sustainable Development Goals[12], specifically to those addressing water quality responsible production, climate actions and the environment.

Second, by implementing the multi-actor approach through addressing the needs and expectations of different stakeholders involved in water use in agriculture and promoting emerging and innovative bottom-up approaches for co-governance, WATERNET4AGRI will improve communication and cooperation between all stakeholders in the field of water use and management in agriculture, ultimately increasing the sustainability and resilience of society. Through the training and activities dedicated for advisors, farmers, policy makers, environmental organizations, public and private organizations and consumers, we will foster a more informed and involved community of stakeholders. By realizing the ambition to reach out to advisors and stakeholders across the EU-27, we expect that in the long run the advisors will be more capable and qualified to take an active role in their MS AKIS. This means that water advisors will increasingly generate and exchange knowledge, deliver training to farmers, support policy making and research at regional, national and EU level, bridge between scientific results and their practical application in farms, promote the integration of sustainable, smart and advanced tools, as well as lead initiatives and projects to improve water use. This will result in a vibrant and constantly developing and promoting sustainable water use that takes into account the needs of all stakeholders as well as engage all relevant actors.

2.1.2: Economic/technological impact: Achieving the objectives of the WATERNET4AGRI project can significantly contribute to achieving desired economic and technological impacts. First, by promoting European advisors and farmers' use of smart and digital tools for monitoring and optimizing water use and management in agriculture, the network is expected to advance the transition towards a modernize, smart and resilient agriculture sector, with stakeholders who are more capable of utilizing existing and future sustainable technology and innovation. Second, as the uptake of digital tools and technologies for sustainable water use across the EU-27 increases, research, development and innovation activities in the field are also expected to increase due to increased demand. Therefore, the project is expected to increase academic and industrial interest in advancing the knowledge and the available digital and technology-based solutions for water use in agriculture, potentially expressed through the emergence of new start-ups and SME developing such solutions This, in turn, will lead to greater competition, development and adoption of more advanced technologies and solutions overtime, as well as positioning Europe as a leading global actor in promoting sustainable, smart and efficient water use.

2.1.3: Scientific impact: In addition to the above-mentioned societal and economic/technological impacts, WATERNET4AGRI is expected to contribute to achieving scientific impacts as well. Specifically, the involvement of academic experts in our network activities as members and as training deliverers is expected to contribute to the advancement of both science and practice. First, the encounter with practice and exposure to real-life problems related to water use in agriculture brought up by practitioners (e.g., advisors, farmers, policy makers, environmental organizations) can contribute to the adjustment of research to existing needs, stimulating knowledge advancement and research targeted towards addressing current challenges. Second, through greater communication of scientific results from stakeholders from the scientific community to advisors from the public and private sectors, scientific results on improved water use are expected to be more widely adopted by advisors and farmers and therefore create greater impact in practice. Third, the network will create bridges between science and policy through the inclusion of both researchers and policy makers, improving the exchange of knowledge between the two groups of stakeholders (e.g., through training events and activities), ultimately contributing to the integration of evidence-based scientific results and recommendations in policy making.

In general, achieving the project's objectives will significantly contribute to pushing forward the adoption and implementation of sustainable water use and management across Europe. As the baseline, while there are several European, regional and local initiatives on water use (e.g., Water Europe[13], European water association[14]), there's still a need for dedicated initiatives promoting advisory capabilities in the field of water use, and specifically in the agricultural sector, which is the largest consumer of water in Europe. Moreover, the promotion of sustainable water

[12] https://www.un.org/en/academic-impact/page/sustainable-development-goals

[13] https://watereurope.eu/

[14] https://www.ewa-online.eu/

use and the awareness to relevant practices and solutions in several European states is still quite underdeveloped, calling for efforts to increase awareness and generate accessible resources, content and activities that can advance states that are currently behind in terms of water advisory services and knowledge. The WATERNET4AGRI network intend to address the above-mentioned deficiencies. The expected scale and significance of the project's contribution to supporting these efforts and achieving the desired impacts as described above is assessed in terms of both the size of outreach and the extent to which the activities will promote water advisors and water use. The project is planned and organized to allow the network to reach to all 27-EU MS, potentially involving significant portion of stakeholders and especially water advisors and agriculture advisors (where water advisory is underdeveloped), increasing their knowledge and capability to support all stakeholders at the local and regional level.

1.2 Measures to maximise impact - Dissemination, exploitation and communication

To ensure that the knowledge, practices, tools and methods generated in this project will be taken up and further used to support advisory services on sustainable water use in agriculture, a comprehensive, strategically planned and objectives-driven plan for the dissemination and exploitation including communication activities will be formulated. The plan will outline the activities that will be performed throughout the lifespan of the project, and describe the activities' objectives, target groups and channels. While this section presents an initial plan for dissemination, exploitation and communication, the exhaustive plan will be provided as a deliverable within six months from the beginning of the project. As the consortium integrates experts from a wide variety of disciplines, each having their own network of farmers, policy makers and/or other relevant stakeholders and consumers, we are confident that the dissemination, exploitation and communication activities will maximize the project's impact.

1.2.1 Target groups

At the beginning of the project, we will identify all stakeholders that should be targeted. While the main target groups we plan to address are water advisors, the project's results will also be disseminated to groups that can benefit or further develop the knowledge and tools generated in the project. The initial list of foreseen target groups includes:

- **Advisors and consultants** – Individuals and organizations operating as advisors for water use for agriculture. We will also to target general agriculture advisors who have the potential of becoming advisors themselves.
- **Farmers** – All those who practice in agriculture and are the ultimate target of the advisory tools and services.
- **Policy makers** – Regulators and governmental and public bodies involved in policy making for the agriculture sector in general, and water use in agriculture in particular (including environmental organizations and NGO).
- **Scientific community –** Researchers and research institutions who are able to build on the results and advance the knowledge on sustainable water use.
- **Industry** – SMEs and companies who can benefit from and contribute to the advisory tools and services in the process of developing sustainable products and technologies for water management and use in agriculture.
- **Consumers** – Consumers of the agricultural production, including retailers and food companies, who can participate in the process of co-creating advisory tools and services (e.g., maintaining their product's quality).
- **General public –** European public will be informed on the project's results and activities, raising the awareness on the actions being taken for creating a more sustainable use of water in the agricultural sector.

1.2.2 Dissemination activities

The project's dissemination activities will extend the outreach and impact of the project, ensuring the engagement of water advisors and stakeholders from the agricultural sector, and uptake of the provided practices and tools. The following table describe the foreseen dissemination activities, their target groups and their objectives:

Foreseen activities and channels	Target group	Objectives
Online training, workshops, webinars guides, etc. These activities will be carried out online.	All target groups. some of the activities will be joint and some will target advisors in particular	To provide the stakeholders with information, practices and guidance for sustainable water use in agriculture.
Conferences – Two conferences on a hybrid online-offline format (as available due to COVID-19).	Network members	To expose advisors and stakeholders to developments (e.g., technological, practical, policy-related, etc.) and provide them with opportunities to network and create collaborations. To expose stakeholders to the project results and progress, while also expanding the project's network.

Professional in-person training for advisors and farmers.	Advisors, farmers in the on-site training	Transfer knowledge across the EU on sustainable water use through training of advisors and farmers, strengthening their professional knowledge and advisory skills, including certification process.
On-site workshops and training sessions and field visits.		
Training resources and content in national language.		
Share results and collaborate with EIP-AGRI, AKIS channels and EU-wide knowledge reservoir (HORIZON-CL6-2021-GOVERNANCE-01-24) in the requested formats	EIP-AGRI, AKIS channels at all levels, EU-wide interactive knowledge reservoir, EU-funded projects	The results and outcomes will be further disseminated by sharing them with these groups.
Policy recommendations for the EC, governmental bodies and policy makers	Policy makers	Provide decision makers with evidence-based and high-quality information that can be used to create new or adjust existing policies on the role of advisories and how they can be supported and integrated to strengthen MS AKIS.
Open access publications in scientific journals	Scientific community	Provide the scientific community with knowledge and encourage further use for research purposes and development of new knowledge.
Presentation of the results in **scientific conferences**		
Dissemination of results and information in **social media accounts**	All target groups	Expand the potential of the project results to reach out to as many advisors and stakeholders, increasing the potential adoption and uptake of the outputs.
Dissemination of the results through the **project website**		

1.2.3 Communication activities

Alongside the dissemination of the project's results and outputs for further use by the above-mentioned target groups, the communication activities will strive to reach out to all stakeholders and to the public at large. These activities will raise awareness for the project and its activities, and benefits of expanding the advisory network. The following list includes a non-exhaustive list of communication activities that will be implemented:

- **Project website** – Developing a project website that will be available for anyone who would like to acquire more information about the project's activities.
- **Project branding** – This will be among the first activities to be executed, by formulating a simple yet comprehensive main message, and a logo that will be identified with the project and used across all platforms.
- **Dedicated project social media accounts** – Social media presence (LinkedIn, Twitter, Facebook, Instagram, YouTube, Academia.edu, etc.) will be a more informal tool focusing on specific promotion of the various activities, news and updates regarding the project's progress and demonstration of its contribution.
- **Online project fact sheet** – The online fact sheet will accompany the project throughout its lifespan and will be updated as the project progresses. The fact sheet will provide a visual, easy to grasp description of the project.
- **Publications and media programme** – Relevant articles and publications will be prepared, and specific editing activities will be carried out in order to tailor the material for the different audiences and channels.
- **Newsletter** – At least four newsletters per year will be sent to the network members and subscribers to keep up-to-date with the project's activities, progress, and contribution.

1.2.4 Exploitation of project's results

The project's exploitation plan is designed to ensure a long enduring and sustainable future for the suggested activities, beyond the project's official duration. It is the conceptual and potential commercial exploitation that will ensure that the tools and services generated in the project will continue to serve the agriculture sector, promoting it towards sustainable water use. Through disseminating the results to the stakeholders and encouraging them to further use the results, the project will promote the following paths for exploitation:

- **Training and education** – All the knowledge and training material will be developed and used in the project by training farmers, advisors and other stakeholders. The exploitation of these results will be enabled by the consortium, allowing open access to the project's training and education material, as well as through disseminating the results to the stakeholders and encouraging them to integrate the content in their training and

educational programmes.

- **Integration of advisors in MS AKIS** – During the project, advisors will be empowered and provided with the necessary skills to get more involved in MS-level processes, such as training of farmers, policy making, networking, etc. Advisors will be encouraged to use this experience and skills even after the project's end to deepen their integration in their MS's AKIS by a continuous involvement in such activities. Moreover, cooperation between water advisors from different MS will be facilitated through AKIS policy instruments at national and EU levels (i.e., EIP – Operational Groups).
- **Policy making** – This project will generate knowledge that should be relevant for policy making purposes. To ensure that the results of the project will be integrated in new and existing policies on water use, we will provide policy recommendations and advises. These recommendations will concern the importance of strengthening the role and activities of advisors on sustainable water use, as well as their training and skills development, to address challenges related to water scarcity and pollution.
- **Commercial exploitation of advisory and consulting services** – Through training and development of new tools and advisory services, experienced and inexperienced advisors will be able to commercialize their expertise to create advisory and consulting services.
- **Scientific exploitation** – The knowledge that will be produced in this project can be exploited by the scientific community for further use and development of new knowledge. Through open access publications in scientific journals and participation in scientific conferences, we will spread the knowledge on sustainable water use and management to the scientific community.

To maximize exploitation of results, content and resources developed in this project will be openly available (subjected to IP limitations) in dedicated platforms to ensure that the outputs will continue making an impact across Europe. This will include repositories for knowledge related to agricultural best-practices (e.g., EU FarmBook and the knowledge reservoir for AKIS being developed under the call HORIZON-CL6-2021-GOVERNANCE-01-24).

2.2.4 Management of intellectual property (IP)

The strategy for management of IP will ensure that the results will be exploitable by the consortium members and by third parties. All IP issues will be covered and settled in the consortium agreement, including the ownership of the results and access rights to background IP, as required. In general, knowledge and results arising from work carried out under the project shall be the joint property of the relevant consortium members, in a way that will be reflected in the Consortium Agreement. All partners will grant access to all necessary elements in order to perform the work deemed as necessary for the project. Background will be detailed in an appendix of the Consortium Agreement in which every partner is entitled to describe its own background IP. The Project Coordinator (Enspire) will be responsible for establishment of the consortium agreement and IPR management. The identification of generated joint IP and the communal decision about its exploitation will be discussed periodically.

IP protection: partners who own patentable knowledge may (and are encouraged) to apply (at their own expense) for patent or similar form of protection and shall supply details of each such application to the other partners. Such application should not interfere with the ability of the project consortium to obtain the foreseen Results. Additional provisions with regards to the protection of knowledge will be defined in the Consortium Agreement.

To ensure the proper management of IP and IPR, we will consult with experts in the relevant departments within the organizations and external consultants, as needed.

2.2.5 Open access to scientific publications

In cases of dissemination of the results by means of peer-reviewed scientific paper, these publications will be made available free-of-charge. The method to provide free-of-charge Open Access (OA) to publications will be Gold-OA (meaning that the publications will be sent for storage on publicly free-of-charge open access sources, such as repositories available in each states including all European states (see list in http://v2.sherpa.ac.uk/opendoar/) and open access publications in scientific journals; or, publications will be made available using Green-OA, meaning that they will be available via means of self-archiving via the public project website or for researchers in the online system such as the institutional repository of the research institution with which they are affiliated, Horizon results platform, and any other thematic or subject-based repository provided by the Commission.

2.3 Summary

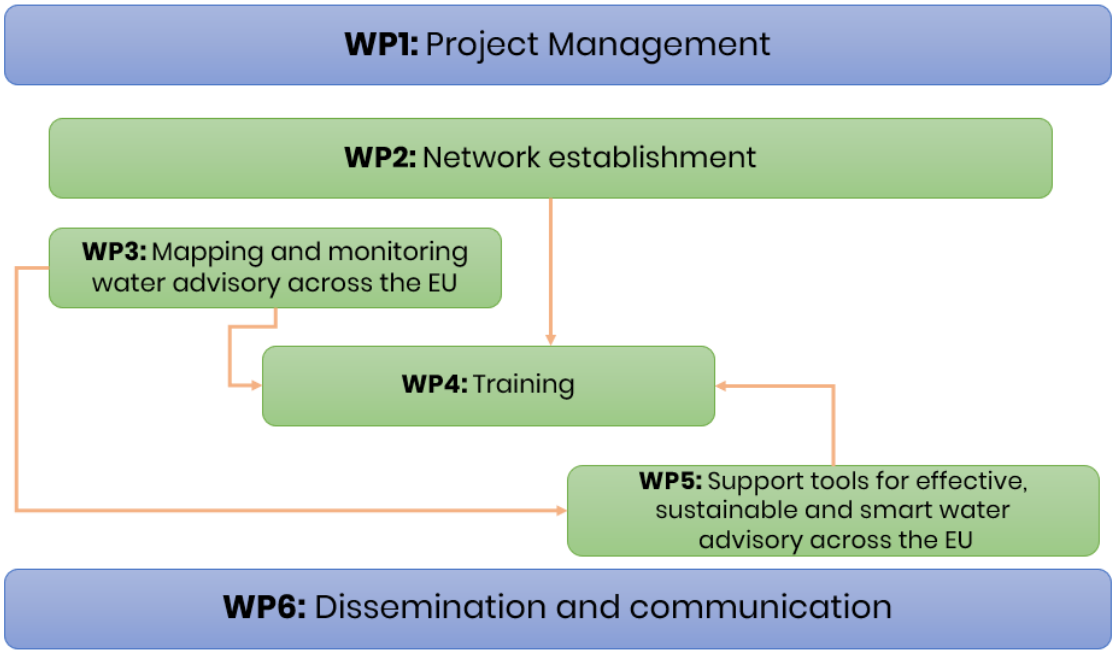
KEY ELEMENT OF THE IMPACT SECTION

SPECIFIC NEEDS	EXPECTED RESULTS	D&E&C MEASURES
Need for improved exchange of knowledge between water advisors, as well as between water advisors and farmers, policy makers and additional stakeholders. Need for better integration of advisors on water use as an integral part of MS AKIS. Need for implementation of multi-actor approach and integration of bottom-up knowledge for improved water use and management.	A network dedicated to water advisors, including members from the EU-27. A mapping of the state of water advisory across Europe. Training plan and training material in four focus area covering a large portion of aspects of water use. Guidelines and resources to improve compliance with EU and national policies. Policy recommendations on sustainable water policy. Improved knowledge and tools for advisors to create and maintain local co-governance and partnerships between stakeholders.	**Dissemination** – Targeted, objective-driven measures for dissemination towards stakeholders and all target groups: Online and in-person training, webinars, conferences, policy recommendations, guides for stakeholders, open access publications, synergies and knowledge sharing with other projects/initiatives, etc. **Communication** - Activities aiming to raise awareness on the project, including website, social media, newsletter, communication materials, fact sheets, videos. **Exploitation** – Measures to ensure the sustainability of the project after the project's end, through outreach to the stakeholders. Exploitation activities are expected in the fields of: integration of advisors in their MS AKIS, training and education, policy making, exploitation by the scientific community and potential commercial exploitation of results for advisory and consulting services (especially by advisors from the industry).
TARGET GROUPS	**OUTCOMES**	**IMPACTS**
Advisors and consultants Farmers Policy makers (including governmental bodies, environmental organizations and NGO) Scientific community Industry Consumers General public	Increased generation and exchange of knowledge and practices between advisors, resulting in significant contribution to achieving relevant European objectives. A more modernized agriculture sector through sharing and integrating digital and advanced methods, tools and practices. Water advisors across the EU-27 are better integrated as an integral part of their MS AKIS. Multi-actor approach is better integrated as part of the water advisory landscape across the EU, fostering dialogue and collaboration between stakeholders. Improved water advisory services in States where it is currently underdeveloped.	**Societal** – Increased ability of advisors to positively impact water use, ultimately contributing to achieving EU objectives related to the European Green Deal, the Farm to Fork strategy and the UN's Sustainable Development Goals; increased sustainability and resilience of society through implementation of the multi-actor approach and more informed and involved community of stakeholders. **Economic/technological** – Modernized smart and resilient agricultural sector, with stakeholders who are more capable of utilizing advanced existing and future sustainable technology and innovation; increased competitiveness, development and adoption of more advanced technologies and solutions overtime due to higher demand; Europe is positioned as a leading global actor in promoting sustainable, smart and efficient water use. **Scientific** – Uptake of scientific results generated from research that target real-life needs and challenges of practitioners; integration of evidence-based scientific results and recommendations in policy making.

3. Quality and efficiency of the implementation

3.1 Work plan and resources

To achieve the overarching goal of WATERNET4AGRI and develop a network for water advisors that significantly contribute to sustainable and efficient water use and management in agriculture we've structured the following work plan. **WP1** is dedicated to project management, and will spread over the entir e duration of the project, ensuring its smooth and successful execution. It will include handle all administrative, financial, and bureaucratic aspects vis-à-vis the EC, including IP management and liaison with the EC. **WP2** is dedicated to the establishment of the network, including the setup of an organizational structure and monitoring mechanisms, the recruitment of network members, the development of a portal for advisors and network members' communication and knowledge exchange, and the development of an operational plan for the network. In **WP3**, we will lay the ground for the development of training activities (as part of WP4) through mapping the state of water advisory across the EU-27, as well as identifying best practices and integrating them within the content and activities. **WP4** is focused on the training of advisors, farmers, policy makers and all other relevant stakeholders. We will develop and deliver training based on the meeds of the stakeholders (obtained through WP2, WP3) and the co-created content and activities in WP5. In **WP5**, we will focus on providing advisors with knowledge, practices and resources to communicate policies to farmers and policy recommendations to policy makers, foster local partnerships between stakeholders and promote the uptake of digital tools for sustainable water use, ultimately contributing to advisors' potential to be better integrated in their MS AKIS. We will do this while building on the specific needs of different states, based on the mapping conducted in WP3. **WP6** is dedicated to the planning and execution of the dissemination and communication activities that will spread over the entire duration of the project.



The project's ambition to impact all EU-27 MS with the activities and content is reflected in the work plan as a whole in three areas:

1. **Collaborative tasks** – Most tasks include all partners' contribution to manage to capture the perspectives and needs of different states and regions across Europe, and ensure that the results will the EU-27.
2. **Close collaboration with existing European-wide networks and initiatives** – for example the association EUFRAS, the EIP-agri network or the SCAR-AKIS strategic working group.
3. **Translation of project materials** – Some results and outputs will be translated to various EU languages, and selected materials will be translated to all 24 EU languages. Dedicated budget is allocated to partners leading tasks that require translation of materials.

The project's WP and tasks timing are presented in the following Gantt chart:

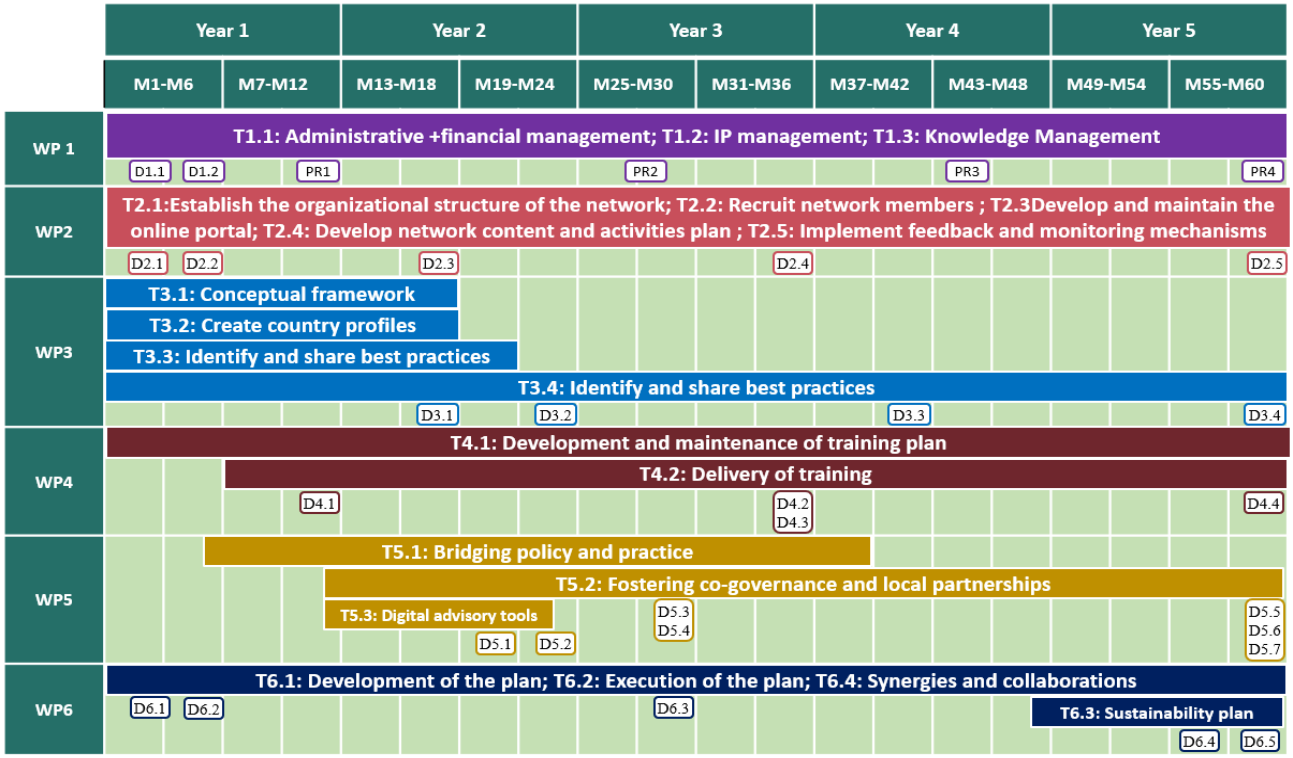


Table 3.1a: List of work packages

WP	WP Title	Lead Part.		PM	Start M	End M
1	Project management	1	Enspire	36	1	60
2	Network establishment	1	Enspire	126	1	60
3	Mapping and monitoring of water-related advisory services in Europe	5	ECO	112	1	60
4	Training	6	CDR	106	1	60
5	Support tools to ensure effective, sustainable and smart water advisory across the EU	8	APCA	91.5	1	60
6	Dissemination, communication, and exploitation	13	SEASN	53	1	60
				524		

Table 3.1b: Work packages description

WP num.	1			**Lead beneficiary**		Enspire		
WP title	Project management							
Part. num.	1	2	3	4	5	6	7	8	9
Part.	Enspire	UPWr	Agrogeo	EIA	ECO	CDR	SEGES	APCA	CA-Loiret
PMs	18	1	1	1	2	2	1	1	0
Part. num.	10	11	12	13	14	15	16	17	
Part.	CRA-NA	CAFS	PTUJ	SEASN	IRSA-CNR	ANBI	FENAREG	INTIA	
PMs	2	1	0	2	1	1	1	1	
Start M	1			**End M**	60				

Objectives

To manage the project, ensuring smooth operation of the project, including establishing effective project management procedures and identifying and recovering from any possible risks (in terms of results achievement, schedule, effort etc.).

Description of work

Enspire is responsible for the overall coordination and management of the project. The management structure will have a technical and administrative manager responsible of ensuring the daily management operation applying proven methods and procedures.

T1.1: Administrative and financial management (Enspire; M1-M60) –This task will include the management of all administrative aspects vis-à-vis the EC, related to the project, including contracts administration, financial administration, arranging kick-off, periodical consortium meetings (twice a year, one online and one in-person) and management board meetings with WP leaders (twice a year, one online and one in-person at the same occasion as the in-person periodical consortium meeting), coordinating effective communication among all consortium partners, liaison with the European Commission, delivery of periodic and final reports in line with the EC system requirements, , delivery of a Data Management Plan, coordinating inputs of partners and performing quality control of deliverable creation, and maintenance of a project management guide, including Quality Assurance procedures for the production of reports and other required deliverables, recommendations on how reports should be formatted and presented, and version control of documents. Enspire will monitor the progress of the project and ensure its smooth execution, reporting on project advancement.

T1.2: IP management (L: Enspire, P: all partners; M1-M60) – This task will include all aspects of IP management and protection. We will monitor and assess the IP potential of the project's results and decide which results should be protected, explore the best ways to protect and exploit them and, when relevant, support the partners in exploiting the results. IP issues will be regularly discussed in consortium meetings to ensure that any potentially exploitable IP is identified and protected.

T1.3: Knowledge Management (Lead: Enspire, M1 - M60) – This task will focus on identifying, incorporating and disseminating the knowledge and expertise gained from outside source. Enspire will undertake various knowledge management strategies, including linking the project with other research projects, development initiatives, associations, relevant DGs of the European Commission, EIP-AGRI, stakeholder groups and other interested parties; supporting the activities of WP2, WP4, WP5 and WP 6 on internal and external knowledge management, dissemination and outreach.

Deliverables

D1.1: Project Management Guide (R, SEN, M3)
D1.2: Data management Plan (DMP, PU, M6)

WP num.	2			**Lead beneficiary**			Enspire		
WP title	Network establishment								
Part. num.	1	2	3	4	5	6	7	8	9
Part.	Enspire	UPWr	Agrogeo	EIA	ECO	CDR	SEGES	APCA	CA-Loiret
PMs	16	8	8	6	5	14	8	1	1
Part. num.	10	11	12	13	14	15	16	17	
Part.	CRA-NA	CAFS	PTUJ	SEASN	IRSA-CNR	ANBI	FENAREG	INTIA	
PMs	8	6	9	8	8	4	8	8	
Start M	1			**End M**	60				

Objectives

To establish the network of advisors on water use including its organizational structure, activities plan, and online portal.

Description of work

T2.1: Establish the organizational structure of the network (L: Enspire, P: all partners; M1-M60) – This task will focus on creating management mechanism for WATERNET4AGRI. A Governing committee and the network management office will be established. The governing committee will be composed of one representative from each organization in the consortium and will convene every quarter (4 times per year, once in-person during the annual consortium meeting, and three times online) to monitor the network's development, adjust its aims, mission and vision if needed, and make final decisions on network-related issues. Enspire, as the project coordinator, will ensure the daily management and the secretariat of the network. The network's management office will oversee the everyday administrative, bureaucratic and financial aspects, and will be

responsible for the smooth execution of the network's activities, including financing the travel and subsistence costs for advisors traveling to training (dedicated budget allocated to the coordinator for this purpose). All partners will take part in the establishment through participating in the governance committee, as well as providing feedback and adjustments to optimize the organizational structure. An organizational structure guide will be developed by M3, describing the roles, decision-making procedures, hierarchy and membership arrangements. The organizational structure will be adjusted throughout the project based on the experience gained, and the final structure will be described as part of the sustainability plan (D6.4). Overtime, we will examine the potential of improving the management structure through the appointment of farm advisors as chairs, the integration of representatives from other networks in the committee (e.g., EUFRAS), etc.

T2.2: Recruit network members (L: APCA, P: all partners; M1-M60) – This task aims at recruiting new members to the water use advisory network. We will ask key organisations in each European states to inform relevant advisors about the project and the opportunities for them. It will be an ongoing activity during and after the project. We will leverage on all partners' networks to recruit water advisors and agriculture advisors, in particular the networks of advisory organisations IALB (German-speaking areas), SEASN (South-East Europe) and EUFRAS (all Europe). Furthermore, we will proactively identify and approach all the water advisors registered in the i2connect project's Advisory Services Database that is currently under development to invite them to become network members (i2connect is coordinated by APCA). Moreover, the EIP-AGRI Service Point in Brussels as well as the new "CAP networks" that will be set up in the MS from 2023 onwards will help us to reach advisors who are not part of our usual networks, such as freelance advisors. Finally, through our dissemination and communication activities, we will reach out to even more water advisors, as well as to potential water advisors in MS where this field of expertise is less developed (e.g., general agriculture advisory organization, NGOs and environmental organizations), to engage them in the network's activities.

T2.3: Develop and maintain the online portal (Enspire; M1-M60) – This task will focus on developing the online portal for knowledge exchange and communication between advisors and relevant stakeholders, as well as a source of information for advisors. We will use the BuddyBoss[15] or BuddyPress[16] software to complement the offline activities of the network with a constantly available and updatable online platform for advisors. Through this platform, advisors will be able to exchange information, share practices and communicate with each other. The portal will be developed and launched by M5, followed by updating and maintenance activities that will take place throughout the project.

T2.4: Develop network content and activities plan (L: CAFS + PTUJ, all partners, M1-M60) – This task will focus on developing a comprehensive plan defining the areas of interest for the network, the respective activities that will be carried out and content to be developed. This plan will be developed by M6 and updated throughout the project, as needed. The first version will be provided as a deliverable in M5 (D2.2), and the updated versions will be included in the network status reports (D2.3, D2.4, D2.5). The plan will be built to correspond the four focus areas of the project (see 1.2.2), as well as include activities such as networking events, co-creation activities, international events, etc. In developing the plan, we will apply a regional approach in which each partner will contribute to the plan development based on their regional knowledge and experience (i.e., UPWr, Agrogeo, CDR, CAFS, PTUJ and SEASN in Eastern Europe; EIA, ECO and APCA in Western Europe; SEGES, UPWr and CDR in Northern Europe; IRSA-CNR, INTIA, ANBI and FENAREG in Southern Europe), while also involving stakeholders from other states in a process of co-creation, so that the network will eventually cover the whole EU-27. The activity plan will be updated at least once a year.

T2.5: Implement feedback and monitoring mechanisms (L: CDR; all partners M1-M60) – This task will focus on ensuring that the network activities address the needs and expectations of the network members. In the first year of the project, we will distribute a survey to obtain the needs, expectations and interest areas of network members from water advisors across the EU-27. We will analyse the members' answers and apply the needed adjustments in the project's activity plan during its development (and beyond, as needed). The monitoring and feedback on the network's activities from the second year of the project will be carried out through annual focus groups organized by partners in their states (e.g., focused discussion with 5-6 network members, from different stakeholder groups as possible), as well as through peer reviews.

Detailed network status reports will be provided in M18, M36 and M60 (D2.3, D2.4, D2.5), including improvements and changes made in the organizational structure, memberships status, updated activities plan, as well as report on the results and changes made following feedbacks from the network members.

[15] https://www.buddyboss.com/

[16] https://buddypress.org/

Deliverables
D2.1: Network organizational structure guide (R, PU, M3)
D2.2: WATERNET4AGRI activities plan (R, PU, M6)
D2.3: Network status report – period 1 (R, PU, M18)
D2.4: Network status report – Period 2 (R, PU, M36)
D2.5: Final network status report (R, PU, M60)

WP num.	3			**Lead beneficiary**			ECO		
WP title	Mapping and monitoring of water-related advisory services in Europe								
Part. num.	1	2	3	4	5	6	7	8	9
Part.	Enspire	UPWr	Agrogeo	EIA	ECO	CDR	SEGES	APCA	CA-Loiret
PMs	1	21	15	5	20	7	6	1	1
Part. num.	10	11	12	13	14	15	16	17	
Part.	CRA-NA	CAFS	PTUJ	SEASN	IRSA-CNR	ANBI	FENAREG	INTIA	
PMs	6	2.5	3.5	7	6	2	4	4	
Start M	1			**End M**	60				

Objectives
To map the current state of water-related advisory services across the EU-27 and identify best practices in different regions / for different crops and agriculture types.

Description of work

T3.1: Conceptual framework (L: ECO; P: APCA, CDR, UPWr, SEASN; M1-M18) – This task will focus on developing the conceptual framework and methodology for mapping MS water-related advisory services. These services differ between EU MS, with different levels of involvement of public/private/third sector organisations, strong or less strong presence of advisory services specifically targeting water topics, differences in the challenges, etc. The methodology will *inter alia* determine the approaches for establishing current baselines for each MS and for identifying relevant best-practices based on the study of practical cases. Our conceptual framework and the corresponding methodology will be based on a review of scientific literature, existing overviews of advisory services and AKIS in MS (e.g., the one performed under project i2connect) and additional reviews on the topic (e.g., service contracts reports for the EU Commission). The task will be performed concurrently with T3.2, with feedback loops between both tasks to identify an approach that is both pragmatic and robust. This approach shall work as the basis of updates within the project (Task 3.4).

T3.2: Create country profiles (L: ECO; P: all partners; M1-M18) – This task will provide an overview of the state of water-related advisory services within each EU MS. The consortium will create brief profiles for each EU MS including information on the states' situation and challenges regarding water, main approaches to address water-related challenges, type and scope of water advisory services for agriculture, relevant policies, activities and initiatives at the national level, current involvement of water advisors in AKIS, and further needs related to water use. The profiles will provide the current baseline for water-related advisory services in each Member State. Project partners will develop their MS profile and be responsible for additional states(s) through co-development with network members, partner's network, and experts from the state of interest), to cover the EU-27. Responsibilities are as follows: **SEASN**: HR, BG, SK; **SEGES**: DK, FI; **ECO**: DE, AT, LU; **IRSA-CNR**: IT (jointly with ANBI), EL, CY; **UPWr**: PL (jointly with CDR), SE, LV; **CDR**: PL (jointly with UPWr), EE, LT; **EIA**: FR (jointly with APCA), NL; **APCA_CRA-NA**: FR (jointly with EIA), IE, BE; **Agrogeo**: HU, RO, CZ; **CAFS+PTUJ**: SI, MT; **INTIA**: ES; **ANBI**: IT (jointly with IRSA-CNR); **FENAREG**: PT.

Taken together, the MS profiles and the baselines will serve as an indication for the state of the EU-27 in terms of water advisory services and help identify those best-practice examples which have wide applicability in EU 27 (Task 3.3). Based on the results, the consortium will design targeted activities for each state as part of the activities plan (T2.5), as well as provide policy makers and stakeholders at the national and EU-level with the information for further action. The country profiles will be updated regularly as part of Task 3.4.

T3.3: Identify and share best practices (L: UPWr, P: all partners; M1-M24) – This task will perform the selection of relevant best practices for the EU advisory network on water use. The identification of best-practice examples will be based on combining two levels of analysis. On the one hand, practical cases at different levels (local scale, regional scale and national scale) will be collected and mapped summarily. This mapping will be

combined with the second level of analysis, that of states' challenges and their current baseline (Task 3.2), so as to identify those practical cases with significant relevance for other MS/regions. In this way this task will determine those approaches which both improve on the *status quo* and which have significant potential for uptake in EU MS. After identification, the practical cases will be analysed in detail and good practices derived from them. The resulting catalogue of best practice will aim to inspire and motivate advisors to take over approaches/elements of approaches within their Member State. The catalogue will also indicate per best-practice the potential states for which the background local and financial conditions, cost-benefits considerations and regulation are favourable. The results will be integrated within the WATERNET4AGRI activities, in particular WP4 "Training". All partners will participate in the identification of best practices, from across Europe and beyond, as possible. The M42 and M60 updates will reflect potential changes in MS advisory services and the uptake of new practices across MS, identified thanks to the ongoing monitoring (Task 3.4).

T3.4: Ongoing monitoring and updates (L: Agrogeo, P: all partners; M13-M60) – This task will update country profiles and practices implemented in MS. It will also continuously identify new best practices to promote as part of the project's activities. All partners will actively monitor developments and advances within their states and the states they are responsible for (see Task 3.2). New measures and practices identified will be integrated in the project's activities, including training, support measures and policy recommendations.

Based on this monitoring and updates, the task will develop updates to the selection of relevant best practices performed in Task 3.3, which will take place in two iterations (M42 and M60). In performing these iterative updates, Task 3.4 will also be testing relevant approaches with which a permanent EU advisory network on water use (post-project implementation) can organise and implement continuous scanning and selection of relevant developments in water-related advisory services at both MS and regional or local level.

Deliverables

D3.1: Collection of country profiles on water-relevant advisory services in the EU-27 (ECO, R, PU, M18)
D3.2: Collection of best practices related to water use (UPWr, R, PU, M24)
D3.3: Update to country profiles and new best practices: Iteration 1 (Agrogeo, R, PU, M42)
D3.4: Update to country profiles and new best practices: Iteration 2 (Agrogeo, R, PU, M60)

WP num.	4			**Lead beneficiary**		CDR			
WP title	Training								
Part. num.	1	2	3	4	5	6	7	8	9
Part.	Enspire	UPWr	Agrogeo	EIA	ECO	CDR	SEGES	APCA	CA-Loiret
PMs	2	7	7	8	5	21	7	2	5
Part. num.	10	11	12	13	14	15	16	17	
Part.	CRA-NA	CAFS	PTUJ	SEASN	IRSA-CNR	ANBI	FENAREG	INTIA	
PMs	5	3	4	7	7	2	7	7	
Start M	1			**End M**	60				

Objectives

To develop and deliver training for water advisors and additional stakeholders.

Description of work

T4.1: Development of training plan (L: CDR, P: all partners; M1-M60) – This task will focus on the creation of a comprehensive training plan, mainly for water advisors, but also for relevant stakeholders such as farmers, policy makers, catchment officers. CDR will lead the development of a training plan and will be supported by all partners who will participate in the process of the development, reflecting the needs and perspective of the various states. The plan will be developed in the first year of the project (by M12), based on the needs and expectations gathered in the network survey (T2.5) and the mapping of the landscape and needs related to water advisory services in the EU-27 (WP3). We will build a training plan that aligns with the four thematic areas (sub-section 1.2.2) to ensure development of both, knowledge related to water use as well to soft skills required for effective MAA implementation as part of key water advisor professional capacities. The training plan will be structured according to modules targeted at various level of professional development by trainees (basic, medium and advanced training modules, specialized topic identified by needs analyses). We will engage advisors and stakeholders in the development of these training courses by hosting a workshop

dedicated to open discussion on the training plan once every year. We will aim to have representatives from all MS in these discussions, yet since they will be carried out in English, we will also ask advisors and other stakeholders (in local languages) to send requests and inputs that will be advised while revisiting the plan. The plan will be constantly reviewed and updated against the developments and changes in the State-of-the-Art and the changing needs of advisors, farmers, policy makers and other relevant stakeholders. The plan for years 2-3 will be delivered in M12 and for years 4-5 in M36. Changes following the inputs and comments of advisors and other stakeholders will be reported in the mid-project and final training activities report (D4.3, D4.2).

T4.2: Delivery of training (L: CDR, P: EIA, all partners) M6-M60) – This task will focus on the smooth delivery of the project's training activities. CDR will coordinate the delivery of training throughout the project however, all partners will contribute to the training activities by developing and delivering training that matches their expertise (e.g., EIA on irrigation, IRSA-CNR on policy making, SEGES on partnerships for water management, etc.), inviting external experts to deliver training, as well as organize on-site training sessions, as needed. The training will take place through application of the following training's methodologies:

a) Online training, including webinars, workshops, online courses, etc. will be delivered via online platforms that will best serve the purpose (e.g., Moodle which is world-wide the main platform for education and training, Zoom for interactive events, pre-recorded videos in the network's online portal).

b) Two in-person training events will take place each year from the approval of the training plan in M12 (eight in total). For these training events, we will target up to 20 advisors that can benefit most from the training content planed for that year based on the feedback (T2.5), the topics and level of the training and the states to which the training can be beneficial (based on the mapping in WP3). Case study approach based on visiting sites of innovative water solutions at farm level will be an important aspect of offline training to facilitate hands on practical skills development amongst trainees.

c) Additionally, the hybrid (online and offline) conference will take place twice during the project (as part of WP6) and will also include various training and knowledge extending activities for all members.

General logic of intervention on which these three types of methodologies has been worked out refers to start learning process from general, theoretical introduction of specific topics to larger group of trainees to be followed by more practically oriented participatory training methodologies for smaller group up to 20 trainees. All training participants will have access through water advisory network to further coaching services provided by WAATERNET4AGRI via online platform and national member of the consortium. Module on MAA skills development for water advisors will involve other relevant for water use actors (structure of actors will be decided at national or sub-regional level to mirror specific requirements).

CDR will coordinate the training activities, yet each event will be organized by different partners, depending on the main area and geographical emphasis of the event. CDR and EIA will lead the development and delivery of training the trainers activities and will be supported by the advice and contribution of other partners in content development and delivery to ensure that the content meets the needs of different advisors and different regions across Europe. The diversification of topics to regional/subregional needs to meet local advisors' expectation as a leading principle of our training plan will provide additional incentives motivating advisors for active participation in not just training activities but in water advisors network as well.

In general, the training for trainers will be held in English. Languages of other trainings will be adjusted to the needs identified in WP2 and WP3. As a result, the training plan will be delivered in two sub-tasks:

T4.2.1 – Delivery of training of trainers in English (all partners) – The English-speaking participants, as leading national/regional advisors/experts, will be motivated to communicate the acquired knowledge and tools to local stakeholders within their MS for increased dissemination and uptake of the training content.

T4.2.2: Delivery of training in different EU-languages (L: CDR, P: all partners) – As part of the training plan we will define events in various languages to increase the outreach and the benefits for stakeholders. We will include dedicated sessions in other languages for specific target audience in accordance with local and regional needs as well as deliver workshops in local languages. To this aim, we will leverage on the languages spoken by consortium members (i.e., German, Hungarian, French, Polish, Danish, Slovenian, Italian, Spanish, Portuguese, Croatian) and will allocate budget for translation of materials and involving experts speaking the target languages for delivery of training (budget is allocated to WP leader CDR).

Deliverables

D4.1: Training plan – Years 2-3 (R, PU, M12)
D4.2: Training plan – Years 4-5 (R, PU, M36)
D4.3: Mid-project training activities report (R, PU, M36)
D4.4: Final training activities report (R, PU, M60)

WP num.	5			**Lead beneficiary**			CRA-NA+APCA		
WP title	Support tools to ensure effective, sustainable and smart water advisory across the EU								
Part. num.	1	2	3	4	5	6	7	8	9
Part.	Enspire	UPWr	Agrogeo	EIA	ECO	CDR	SEGES	APCA	CA-Loiret
PMs	0	5	5	3	3	5	13	1.5	4
Part. num.	10	11	12	13	14	15	16	17	
Part.	CRA-NA	CAFS	PTUJ	SEASN	IRSA-CNR	ANBI	FENAREG	INTIA	
PMs	10	2.5	2.5	5	16	6	5	5	
Start M	1			**End M**	60				

Objectives

To provide advisors on water use with support tools to ensure effective, sustainable and smart water advisory services across the EU.

Description of work

T5.1: Bridging policy and practice (L: IRSA-CNR, P: ANBI, all partners; M6-M36) – This task will focus on facilitating the implementation of EU, national and local policies on sustainable water use for agriculture. We will use the network of water advisors and farmer organizations to understand what are the main barriers and challenges to adhere to water use and management regulations derived from, for example, the EU Water Framework Directive[17], the EU nitrates directive or the EU framework directive on pesticides, as well as national or local policies. Based on these insights, we will develop guidance and manuals outlining in a simplified manner regulatory requirements and potential measures that can be implemented to facilitate the adherence to policies and regulation, while taking into account cost-benefit consideration and local conditions to increase the uptake of the suggested practices. Furthermore, we will make comparisons between states, and we will provide policy recommendations at the regional and EU-level to ensure that policies will promote sustainable water use on the one hand, but also take into account the implementation of regulatory requirements in practice. IRSA-CNR will lead the task based on their extensive knowledge on related EU policies (e.g., WFD) and their ongoing communication with policy makers, and will be supported by all partners with respect to creating facilitating measures and guidelines for implementation of such policies across Europe. The results of this task will include individual manuals for different EU States and a handbook for guidance on relevant EU policies and regulations translated to the 24 EU languages, as well as the measures to facilitate their implementation. We will promote the use of this resources by advisors to integrate appropriate solutions and measures in their MS, and also distribute them directly to farmers through the network members and farmer organizations.

T5.2: Fostering co-governance and local partnerships (L: SEGES; P: all partners; M12-M60) – This task will focus on providing advisors with guidelines to enhance collaboration and knowledge exchange between relevant actors within their MS. We will develop resources for all stakeholders on how to create co-governance and partnerships that takes into account the needs of all parties, as well as how to facilitate communication between different actors. We will also demonstrate the benefits of good top-down and bottom-up interactions by reviewing successful cases of co-governance and local collaboration, analyse the causes for their success and provide recommendations for the replication of such approaches across Europe. SEGES will lead this task based on their experience with creating and fostering such partnerships and will be supported by additional members of the consortium for the content creation and dissemination across Europe.

T5.3: Review and promote available digital advisory tools (L: APCA, P: ECO, EIA, UPWr, SEGES, Agrogeo, SEASN; M12-M20) – This task will focus on reviewing the landscape of digital advisory tools available for the use of advisors and farmers, including connected monitoring tools (sensors, weather stations, etc.), as well as decision support tools directly or indirectly related to water use, and digital tools for communication. We will put emphasis on promotion in states where the use of smart technologies and methods for agriculture is less developed and where further development should be integrated. We will provide guidelines, short explanations (videos, manuals) and dedicated training sessions to provide advisors with guidance on how to work with different Digital Advisory Tools (DATs) and how to promote them in their respective MS. As far as possible, we will rely on the platform of Digital Advisory Tools (DATs) currently developed by the FAIRshare project (which already includes 256 digital tools) and complement it by adding

[17] https://eur-lex.europa.eu/resource.html?uri=cellar:5c835afb-2ec6-4577-bdf8-756d3d694eeb.0004.02/DOC_1&format=PDF

specific tools related to water use. WATERNET4AGRI's partner SEASN is also a partner in the FAIRshare project, which will facilitate the communication between the projects. In the unlikely event that the FAIRshare DATs platform is no longer available, we would develop our own online catalogue of digital tools for water use. In either case, we will rate these DATs in line with advisors and farmers' comments on their effectiveness and user-friendliness, as well as their optimal using conditions. The catalogue will be continuously updated and available in the 24 EU-languages to ensure accessibility across Europe.[18]

Deliverables

D5.1: List of Digital Advisory Tools added to the FAIRshare DATs platform (R, PU, M20)
D5.2: Guidelines and recommendations for successful local partnerships across EU (R, PU, M24)
D5.3: Policy recommendation on national and EU level (R, PU, M30)
D5.4: Guidelines for the implementation of EU policies (R, PU, M30)
D5.5: Updated list of Digital Advisory Tools (R, PU, M60)
D5.6: Policy recommendation on national and EU level (R, PU, M60)
D5.7: Guidelines for the implementation of EU policies (R, PU, M60)

WP num.	6			**Lead beneficiary**		SEASN			
WP title	Dissemination, communication and exploitation								
Part. num.	1	2	3	4	5	6	7	8	9
Part.	Enspire	UPWr	Agrogeo	EIA	ECO	CDR	SEGES	APCA	CA-Loiret
PMs	8	1.5	1.5	1.5	1	1.5	1.5	1.5	1.5
Part. num.	10	11	12	13	14	15	16	17	
Part.	CRA-NA	CAFS	PTUJ	SEASN	IRSA-CNR	ANBI	FENAREG	INTIA	
PMs	1.5	1	0.5	24.5	1.5	1.5	1.5	1.5	
Start M	1			**End M**	60				

Objectives

To develop and execute a strategic dissemination, communication and exploitation plan, aiming to inform and engage relevant stakeholders and the public concerning the objectives and results of the project, and to ensure that those results are translated into pragmatic actions in Europe.

Description of work

T6.1: Development of the plan (SEASN, M1-M60) – This task will focus on the development of dissemination, communication and exploitation strategy and plan at the start of the project (delivered by M6) in collaboration with all partners and based on the draft outlined in Section 2.2. The strategy will define the target audiences, key messages and communication channels and identify the key results to be disseminated. A timeline of activities will be included together with key performance indicators. The plan will be updated throughout the project.

T6.2: Execution of the plan (L: SEASN, P: all partners, M1-M60) – This task will focus on maintaining the flow of information and publicity concerning the objectives and results of the project through various platforms and channels, as detailed in the exhaustive plan (D6.2) and promote the uptake of sustainable water use and management in Europe. SEASN will lead this task, yet all partners will take part in disseminating and communicating the results to stakeholders via the different means described in the comprehensive plan (T6.1). Ultimately, the execution of the dissemination, communication and exploitation plan will strive to maximize value of this project for Europe and the benefits for the EU agriculture sector, citizenry and economy by provision of the project's results. Two Hybrid online and offline network-wide conferences will be organized by SEASN and carried out in mid-project (M36) and at the end of the project (M60). This task will also execute all the planned exploitation activities, to ensure the translation of the results by stakeholders into concrete actions, products and policies. The project's website will be developed by Enspire by M3.

T6.3: Explore pathways towards sustainability (L: Enspire, P: all partners; M48-M60) – This task will focus on exploring different paths towards sustainability beyond the scope of the project. Based on the experience and knowledge gained for four years, as well as the ability to demonstrate the effectiveness and necessity of the network, we will look for potential financial support and funding channels that will allow the continuation of the

[18] https://cordis.europa.eu/project/id/818488

project's activities. Furthermore, we will look into the possibility of integrating the network's activities within an existing network, initiative or organization dedicated to similar matters. By M56, we will provide a detailed report on the potential pathways towards sustainability and recommendations for future functionalities of the network.

T6.4: Synergies and collaborations (Enspire; M1-M60) - This task will include the liaison and collaboration with relevant projects and initiatives, including EIP-Agri, SCAR-AKIS, EUFRAS ongoing EU-funded projects (e.g., I2connect, EUREKA), as well as national initiatives and projects in EU Member State, as relevant. We will proactively promote knowledge exchange and mutual activities with all these initiatives. We will proactively look for opportunities for collaboration and development of mutual activities.

Deliverables

D6.1: Project Website (DEC, PU, M3)
D6.2: Plan for the dissemination and exploitation including communication activities (R, PU, M6)
D6.3: Mid-project report about dissemination, communication and exploitation activities (R, SEN, M30)
D6.4: Sustainability plan (R, SEN, M56)
D6.5: Final report about dissemination, communication and exploitation activities (R, SEN, M60)

Table 3.1c: List of Deliverables

Del	Deliverable name	WP	Lead part.	Type	Diss. level	Del. M
D1.1	Project Management Guide	1	Enspire	R	SEN	M3
D2.1	Network organizational structure guide	2	Enspire	R	PU	M3
D6.1	Project Website	6	Enspire	DEC	PU	M3
D1.2	Data management Plan	1	Enspire	R	PU	M6
D2.2	WATERNET4AGRI activities plan	2	CAFS	R	PU	M6
D6.2	Plan for the dissemination and exploitation including communication activities	6	SEASN	R	PU	M6
D4.1	Training plan – Years 2-3	4	CDR	R	PU	M12
D3.1	Overview of water-relevant advisory services in the EU-27	3	ECO	R	PU	M18
D2.3	Network status report - Period 1	2	Enspire	R	PU	M18
D5.1	List of Digital Advisory Tools added to the FAIRshare DATs platform	5	CRA-NA	R	PU	M20
D3.2	Best practices overview	3	UPWr	R	PU	M24
D5.2	Guidelines and recommendations for Successful partnerships across EU	5	SEGES	R	PU	M24
D5.3	Policy recommendation on national and EU level	5	IRSA-CNR	R	PU	M30
D6.3	Mid-project report about dissemination, communication and exploitation activities and updates	6	SEASN	R	SEN	M30
D2.4	Network status report – Period 2	2	Enspire	R	PU	M36
D4.2	Training plan – Years 4-5	4	CDR	R	PU	M36
D4.3	Mid-project training activities report	4	CDR	R	PU	M36
D5.4	Guidelines for the implementation of EU policies	5	APCA	R	PU	M30
D3.3	Update to best-practices overview: Iteration 1	3	Agrogeo	R	PU	M42
D6.4	Sustainability plan	6	Enspire	R	SEN	M56
D2.5	Final network status report	2	Enspire	R	PU	M60
D3.4	Update to best-practices overview: Iteration 2	3	Agrogeo	R	PU	M60
D4.4	Final training activities report	4	CDR	R	PU	M60
D5.5	Updated list of Digital Advisory Tools	5	CRA-NA	R	PU	M60
D5.6	Policy recommendation on national and EU level	5	ISRA-CNR	R	PU	M60
D5.7	Guidelines for the implementation of EU policies	5	APCA	R	PU	M60
D6.5	Final report about dissemination, communication and exploitation activities	6	SEASN	R	SEN	M60

Table 3.1d: List of milestones

n.	Milestone name	WP	Due Month	Means of verification
2.1	Establishment of the organizational structure and the platforms of the network, including network activities plan	2	M12	D2.1, D2.2,
4.1	Complete training plan for years 2-3	4	M12	D4.1
3.1	Completed mapping of water advisory services and best practices across the EU-27	3	M24	D3.1, D3.2
2.2	Network of at least 400 registered organizational/individual members	2	M36	D2.4
4.2	Complete training plan for years 4-5	4	M36	D4.2
5.1	Delivery of measures to support policy adherence and policy making	5	M36	D5.2, D5.3, D5.4
6.1	Final network conference	6	M60	D6.5

Table 3.1e: Critical risks for implementation

Description of risk	WP	Proposed risk-mitigation measures
Difficulty to recruit at least 500 network members by the end of the project. Likelihood: L, Severity: M	2	Should we identify the risk of not achieving the goal of 400 members by M36 (to meet milestone 2.1) and/or 500 members by the end of the project, we will approach to water advisors and relevant stakeholders that haven't joined and invite them to register. While approaching them, we will also ask them what type of content and activities will be beneficial for them and motivate them to join the network.
Difficulty in obtaining support from experts in states not represented in the consortium for mapping water advisory and best practices Likelihood: L, Severity: H	3	We will allocate budget for the compensation of experts. In case we will approach advisors, scientists and public bodies in these states (e.g., Ministry of agriculture/environment, NGO, environmental organizations) and request for information that will allow us to achieve a picture as comprehensive as possible.
Low interest/participation of stakeholders in the project training events and activities. Likelihood: L, Severity: H	4	We will involve stakeholders in the co-creation of the activities and training plan, and obtain their needs through dedicated monitoring and feedback mechanisms (task 2.5 in WP2). By aligning with the members' needs and communicating the benefits of participation, we will motivate and encourage them to take part in the activities.
Difficulty to carry out one or more of the in-person training activities. Likelihood: L, Severity: M	4	In the case of unexpected events that will limit the ability to carry out one or more of the eight expected in-person training seminars, we will either re-schedule the training for a different time or carry out the event (as much as possible) online, depending on the type of difficulties.
Insufficient cooperation with additional projects (e.g., EUREKA developing EU FarmBook, FAIRshare, etc.) Likelihood: L, Severity: L	2,5,6	We will create structured collaborations which are mutually beneficial. The network will contribute to the best of its ability to other projects, and therefore will stimulate mutuality with other projects. Moreover, several of the WATERNET4AGRI partners are coordinating and participating in related projects (e.g., I2Connect, FAIRshare) which will facilitate collaboration and communication between the projects.
Difficulty to reach to all EU-27 MS with the project's activities. Likelihood: M, Severity: H	2,3,4 ,5,6	To mitigate the risk, we have composed a consortium that has the expertise to carry out the work while also maintaining regional and country diversity. Additionally, we assign states who are not represented in the consortium to the different partners for tasks that require the coverage of the entire EU, develop training and activities plans that are relevant for all EU-27, and dedicate budget for translation of selected material and resources to all EU languages.

Table 3.1f: Summary of staff effort

Participant Number/Short Name	Project management	Network establishment	Mapping and monitoring of water advisory in Europe	Training	Support tools to ensure effective, sustainable and smart water advisory across the EU	Dissemination, communication, and exploitation	
1 Enspire	18.00	16.00	1.00	2.00	0.00	8.00	**45.00**
2 UPWr	1.00	8.00	21.00	7.00	5.00	1.50	**43.50**
3 Agrogeo	1.00	8.00	15.00	7.00	5.00	1.50	**37.50**
4 EIA	1.00	6.00	5.00	8.00	3.00	1.50	**24.50**
5 ECO	2.00	5.00	20.00	5.00	3.00	1.00	**36.00**
6 CDR	2.00	14.00	7.00	21.00	5.00	1.50	**50.50**
7 SEGES	1.00	8.00	6.00	7.00	13.00	1.50	**36.50**
8 APCA	1.00	1.00	1.00	2.00	1.50	1.50	**8.00**
9 CA-Loiret	0.00	1.00	1.00	5.00	4.00	1.50	**12.50**
10 CRA-NA	2.00	8.00	6.00	5.00	10.00	1.50	**32.50**
11 CAFS	1.00	6.00	2.50	3.00	2.50	1.00	**16.00**
12 PTUJ	0.00	9.00	3.50	4.00	2.50	0.50	**19.50**
13 SEASN	2.00	8.00	7.00	7.00	5.00	24.50	**53.50**
14 IRSA-CNR	1.00	8.00	6.00	7.00	16.00	1.50	**39.50**
15 ANBI	1.00	4.00	2.00	2.00	6.00	1.50	**16.50**
16 FENAREG	1.00	8.00	4.00	7.00	5.00	1.50	**26.50**
17 INTIA	1.00	8.00	4.00	7.00	5.00	1.50	**26.50**
Total Person Months	**36.00**	**126.00**	**112.00**	**106.00**	**91.50**	**53.00**	**524.50**

Table 3.1g: 'Subcontracting costs' items

Participant 1 Enspire	Cost (€)	Description of tasks and justification
B. Subcontractors	15,000 €	Website and online portal set up

Table 3.1h: 'Purchase costs' items

Participant 1 Enspire	Cost (€)	%	Justification
C1. Travel cost	22,500 €	12%	Travel and subsistence - 15 trips * EUR 1500 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	120,000 €	63%	EUR 120000 - Costs related to travel and accomodation of advisors in in-person training: 8 in-person events*average of 15 advisors per event*average of EUR 1,000 per trip
Remaining purchase costs (<15%)	0 €	0%	
Total	142,500 €		

Participant 2 UPWr	Cost (€)	%	Justification
C1. Travel cost	13,500 €	7%	Travel and subsistence - 15 trips * EUR 900 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	27,250 €	15%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 5,000 - Support from experts in mapping the state of water advisory in PL (jointly with CDR), SE and LV (WP3) EUR 5,000 - Article processing costs for Open Access (WP6) EUR 10,000 - Costs related to the translation of the best practices catalogue (WP3) EUR 5,000 - Cost for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	40,750 €		

Participant 3 Agrogeo	Cost (€)	%	Justification
C1. Travel cost	15,000 €	20%	Travel and subsistence - 15 trips * EUR 1,000 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	11,250 €	15%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 5,000 - Support from experts in mapping the state of water advisory in HU, RO and CZ (WP3) EUR 4,000 - Cost for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	26,250 €		

Participant 4 EIA	Cost (€)	%	Justification
C1. Travel cost	15,000 €	9%	Travel and subsistence - 15 trips * EUR 1,000 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	42,250 €	25%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 6,000 - Support from experts in mapping the state of water advisory in FR and NL (WP3) EUR 34,000 - Cost for compensating experts for development and delivery of training as part of the project (WP4+WP5)
Remaining purchase costs (<15%)	0 €	0%	
Total	57,250 €		

Participant 5 ECO	Cost (€)	%	Justification
C1. Travel cost	20,700 €	9%	Travel and subsistence - 23 trips * EUR 900 (average travel cost). For a number of project travels, junior team members will accompany senior members to help establish personal relationships with network partners
C2. Equipment	0 €	0%	
C3. Other goods, works & services	37,250 €	15%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 15,000 - Costs related to the translation of materials in WP3 to different EU languages EUR 15,000 - Support from experts in mapping the state of water advisory in DE, AT and LU (WP3) EUR 5,000 - Costs for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	57,950 €		

Participant 6 CDR	Cost (€)	%	Justification
C1. Travel cost	12,750 €	7%	Travel and subsistence - 15 trips * EUR 850 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	49,000 €	25%	EUR 15,000 - Costs related to the first year survey as part of task 2.5 in WP2 EUR 1,000 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 4,000 - Support from experts in mapping the state of water advisory in PL (with UPWr), SE and LV (WP3) EUR 9,000 - Costs for compensating experts for development and delivery of training as part of the project (WP4) EUR 20,000 - Costs for strategical translation of selected training material to different EU languages (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	61,750 €		

Participant 8 APCA	Cost (€)	%	Justification
C1. Travel cost	11,250 €	23%	Travel and subsistence - 15 trips * EUR 750 (average travel cost)
C2. Equipment	0 €	0%	
works & services	2,000 €	4%	EUR 2,000 - Costs for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	13,250 €		

Participant 9 CA-Loiret	Cost (€)	%	Justification
C1. Travel cost	12,000 €	16%	Travel and subsistence - 15 trips * EUR 800 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	3,000 €	4%	EUR 3,000 - Costs related to compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	15,000 €		

Participant 10 CRA-NA	Cost (€)	%	Justification
C1. Travel cost	12,000 €	6%	Travel and subsistence - 15 trips * EUR 800 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	26,250 €	13%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 5,000 - Support from experts in mapping the state of water advisory in FR (jointly with EIA), IE and BE (WP3) EUR 3,000 - Costs for compensating experts for development and delivery of training as part of the project (WP4) EUR 16,000 - Costs for translation of WP5 material to different EU languages
Remaining purchase costs (<15%)	0 €	0%	
Total	38,250 €		

Participant 11 CAFS	Cost (€)	%	Justification
C1. Travel cost	20,250 €	33%	Travel and subsistence - 15 trips * EUR 1,350 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	4,750 €	8%	EUR 1,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 2,000 - Support from experts in mapping the state of water advisory in SI and MT jointly with PTUJ (WP3) EUR 1,500 - Costs related to compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	25,000 €		

Participant 12 PTUJ	Cost (€)	%	Justification
C1. Travel cost	20,250 €	31%	Travel and subsistence - 15 trips * EUR 1,350 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	5,750 €	9%	EUR 2,000 - support from experts in mapping the state of water advisory in SI and MT jointly with PTUJ (WP3) EUR 2,500 - Costs related to compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	26,000 €		

Participant 13 SEASN	Cost (€)	%	Justification
C1. Travel cost	20,250 €	17%	Travel and subsistence - 15 trips * EUR 1,350 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	111,250 €	92%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 80,000 - Costs related to the organization of two network conferences in an hybrid online-offline format (WP6) EUR 20,000 - Costs for strategical translation of selected diseemination and communication materials (WP6) EUR 5,000 - Support from experts in mapping the state of water advisory in HR and BG and SK (WP3) EUR 4,000 - Costs for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	131,500 €		

Participant 14 IRSA-CNR	Cost (€)	%	Justification
C1. Travel cost	17,000 €	9%	Travel and subsistence - 20 trips * EUR 850 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	24,750 €	13%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 5,000 - Support from experts in mapping the state of water advisory in IT (jointly with ANBI), EL and CY (WP3) EUR 7,500 - Costs for compensating experts for development and delivery of training as part of the project (WP4) EUR 10,000 - Translation of guidelines for the implementation of EU policies to 24 EU languages (WP5)
Remaining purchase costs (<15%)	0 €	0%	
Total	41,750 €		

Participant 15 ANBI	Cost (€)	%	Justification
C1. Travel cost	11,250 €	10%	Travel and subsistence - 15 trips * EUR 750 (average travel cost)
C2. Equipment	0 €	0%	
C3. Other goods, works & services	6,250 €	6%	EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 1,000 - Support from experts in mapping the state of water advisory in IT (jointly with IRSA-CNR) (WP3) EUR 3,000 - Costs for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €	0%	
Total	17,500 €		

Participant 16 FENAREG	Cost (€)	%	Justification
C1. Travel cost	11,250 €		Travel and subsistence - 15 trips * EUR 750 (average travel cost)
C2. Equipment			
C3. Other goods, works & services	11,750 €		EUR 2,250 - Compensation for focus groups/peer review participants as part of the network's monitoring (WP2) EUR 2,000 - Support from experts in mapping the state of water advisory in PT (WP3) EUR 7,500 - Costs for compensating experts for development and delivery of training as part of the project (WP4)
Remaining purchase costs (<15%)	0 €		
Total	23,000 €		

3.2 Capacity of participants and consortium as a whole

The WATERNET4AGRI consortium covers the necessary expertise, networks and track record to carry out the project's tasks and achieve the desired objectives within the duration of the project. The consortium demonstrates a collaboration between diverse sectors and fields, including agriculture and water advisory training organizations from the public and private sector (Agrogeo, EIA, ECO, CDR, SEGES, APCA, CA-Loiret, CRA-NA, CAFS, PTUJ, INTIA), water management experts (ANBI, FENAREG) research institutions (UPWr, IRSA-CNR), and a network gathering several advisory organizations in Europe (SEASN), as well as professional project management and coordination abilities to ensure the project's smooth execution (Enspire). The joint effort of the partners to achieve the project's objectives and aims is evident in the work plan. This is especially evident in the main activities and

tasks that are necessary for the successful execution of the project, as follows:

Network establishment

Most of the consortium members are highly experienced in developing and maintaining formal and informal networks as part of their day-to-day work (e.g., the network SEASN; network of irrigation professionals in Europe established by EIA). As a starting point, we will rely on the partners' networks to recruit members for the WATERNET4AGRI network. These networks will allow the WATERNET4AGRI network to reach out to all main group of stakeholders, including advisors (e.g., CDR, APCA, CA-Loiret, CRA-NA, CAFS, PTUJ, INTIA, SEASN), farmer organizations and farmers (e.g., ANBI, FENAREG, SEGES, CDR), policy makers and environmental organizations (e.g., ECO, IRSA-CNR, FENAREG, ANBI), research institutions (e.g., UPWr, IRSA-CNR, Agrogeo) and relevant industry (e.g., EIA, IRSA-CNR). Enspire's experience in administrative, financial and bureaucratic management of large-scale projects (EU-funded) will be utilize for the regular administrative management of the network. The experience and existing networks of the partners will be utilized to setup the WATERNET4AGRI network.

Reach out to the EU-27

The consortium includes partners from 11 EU-MS (i.e., Poland, Hungary, Belgium, Germany, Denmark, France, Slovenia, Croatia, Italy, Portugal and Spain), with the ability to reach out to neighbouring and additional EU MS (e.g., the SEASN network covers most of South-Eastern Europe). In terms of regional cover, the consortium includes partners from Central and Eastern Europe, Northern Europe, Southern Europe and Western Europe, ensuring that the consideration of different parts of Europe will be addressed in the project. Several examples are CDR's well-developed contacts with advisory service in the Baltic area, SEGES's contacts at the North Sea area, and the involvement of several of the partners in the EUFRAS network, through which they can reach out to different EU states. This will also allow to map the state of water advisory and best practices for sustainable water use across the EU-27 through the partners' knowledge and familiarity with the status in their MS, as well as the ability to carry out similar work in neighbouring states with the support of local experts.

Training development and delivery

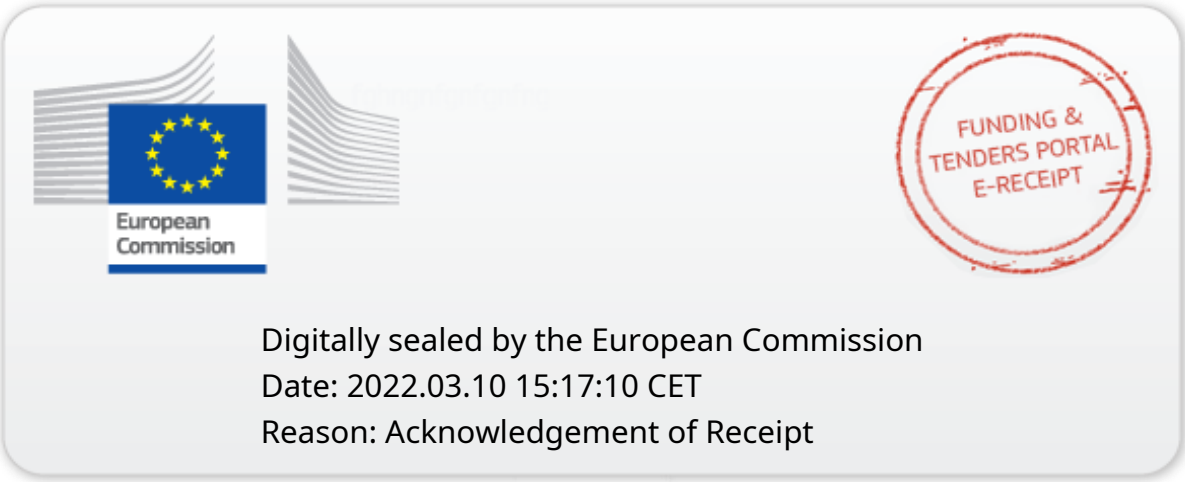
Several of the consortium members are delivering training and education activities as an integral part of their work. The main activity of CDR who leads the training WP is to design and provide training activities for advisors operating in the national agricultural advisory system. Additionally, all partners have experience in the development and delivery of academic, practical and/or hands-on training that ranges between lectures and seminars to on-site training for all stakeholders. Together, the partners cover the four main thematic areas included in the project and the training activities: Irrigation (e.g., FENAREGE, EIA, IRSA-CNR, CAFS, PTUJ), water retention (e.g., Agrogeo, CDR, UPWr, SEGES), water quality (e.g., APCA, ANBI) and co-governance and collaborative approaches for water use and management (e.g., SEGES, ECO).

Integration in MS AKIS

The consortium encompasses the expertise and knowledge that will be utilized in order to provide advisors with tools to be better integrated in their MS AKIS. This will be enabled through training expertise as described above, but also through activities related to provide advisors with better understanding policy and policy making at the local and EU levels (a significant majority of the partners carry out policy-related activities, e.g., IRSA-CNR, Agrogeo, ECO, FENAREG, CAFS, PTUJ, INTIA). Additionally, the experience and familiarity of the partners with promoting partnerships and collaborative approaches (e.g., SEGES, ECO) and promoting the digitalization and integration of technologies (e.g., APCA, CRA-NA, EIA, SEASN) will be used to provide water advisors with the necessary guidelines and tools to promote these aspects within their MS.

Dissemination, communication and exploitation

SEASN will lead the dissemination and communication activities based on their extensive experience in such activities, including leading these activities in other EU-funded projects. This experience includes the organising and co-organising of events such as yearly assembly with expert conference, as well as the international IALB, EUFRAS and SEASN conference. In addition, several of the project partners are currently leading or participating in relevant projects (e.g., Miklas Scholtz from UPWr coordinates the WATERAGRI project, APCA coordinates the I2Connect project, SEASN participates in the FAIRshare project), ensuring collaboration and synergies with these projects. Other partners have experience in dissemination and communication activities including dissemination of training materials, scientific publications, organizing and participating in relevant events.



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