

**Proceedings from the Water JPI AQUATAP-ES showcase event**

**'Aquatic ecosystem services on the science-policy-practice  
connection: challenges and opportunities'**

**22nd June 2021**

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## Disclaimer

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Website <http://www.waterjpi.eu/>

Water JPI AQUATAP-ES website <http://www.waterjpi.eu/implementation/thematic-activities/water-jpi-tap-action>



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## Abbreviations

|       |  |
|-------|--|
| AEI   | Agencia Estatal de Investigación   |
| AKA   | Academy of Finland   |
| ANR   | French National Research Agency  |
| COST  | European Cooperation in Science and Technology                                   |
| DSS   | Decision support system  |
| EC    | European Commission  |
| EEA   | European Environment Agency  |
| ES    | Ecosystem services   |
| EU    | European Union   |
| IPBES | Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services |
| JPI   | Joint Programming Initiative   |
| RDI   | Research, development and innovation   |
| SRIA  | Strategic Research and Innovation Agenda   |
| TAP   | Thematic Annual Programming  |

## Executive Summary

The Water Joint Programming Initiative (JPI), “[Water Challenges for a Changing World](#)” ([www.waterjpi.eu](http://www.waterjpi.eu)), was launched following a decision of the Competitiveness Council of the European Union (EU) on 6 December 2011.<sup>1</sup> In June 2020, the Water JPI membership included 23 member countries and three observer countries, which collectively represented 88% of European public research, development and innovation investment in water resources. The Water JPI is dedicated to tackling the ambitious grand challenge of achieving “[sustainable water systems for a sustainable economy in Europe and abroad](#)”.

This report contains the proceedings of the showcase event of the Water JPI Thematic Annual Programming (TAP) AQUATAP-ES on **‘Aquatic ecosystem services on the science-policy-practice connection: challenges and opportunities’**

The aim of the Water JPI TAP is to build a **network of national projects** focused on a network or cluster of excellence of selected research groups that is targeted at stakeholders. The Water JPI AQUATAP-ES entitled **‘Developing Approaches for Assessing and Optimising the Value of Ecosystem Services’** is the network of researchers from across Europe with the overall goal to inform *Policy & Practice by seeking to foster integration of the ecosystem service concept/ framework into decision-making relating to the management of aquatic resources.*

The virtual event was held on 22<sup>nd</sup> June 2021, showcasing the extensive outputs from the AQUATAP-ES network over its 24-month lifespan to date. It also included a high-level panel<sup>2</sup> discussion on the challenges and opportunities of integrating the Ecosystems services approach into everyday management of our water resource. The panel also discussed the potential future of the network and how to sustain the group going forward. A Question and Answer session was facilitated with attendees’ questions being put to the panel for consideration and discussion; and finally, the key points were wrapped up.

80 people from 27 countries attended the virtual event and represented 55 organisations. The presentations are available on the Water JPI website: [Water JPI AQUATAP ES](#).

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<sup>1</sup> [Council conclusions](#) on the launching of the JPIs on “Healthy and Productive Seas and Oceans”, “Urban Europe – Global Urban Challenges, Joint European Solutions”, “Connecting Climate Knowledge for Europe”, “Water Challenges for a Changing World” and “The Microbial Challenge – An Emerging Threat to Human Health” – Adoption 17424/11 of 29 November 2011.

<sup>2</sup> Panel membership see Annex 2; DG RTD, IPBES, EEA, UCD, COST and AQUATAP-ES

## 1. Introduction

### 1.1. Water Joint Programming Initiative

Over the past few decades, several policies and research, development and innovation (RDI) activities have been put in place to protect water resources. Despite these efforts, many regions in Europe still face water scarcity and/or water quality problems. Climate change, groundwater over-abstraction and diffuse pollution are, among others, the main factors influencing water availability and quality. If no action is taken, their impact will be even greater in the years to come. Guaranteeing a sustainable supply of good-quality water should be a priority for European society. Both policies and RDI activities should therefore contribute to this aim. Water supply for the development of various activities (agriculture, energy production, public services, etc.) also needs to be ensured to benefit the economic prosperity of the European Union (EU).

The Water Joint Programming Initiative (JPI), “[Water Challenges for a Changing World](#)” ([www.waterjpi.eu](http://www.waterjpi.eu)), has recently published its new Water JPI Vision 2030 and Strategic Research and Innovation Agenda (SRIA) 2025. *Water JPI Vision 2030: Together for a Water-secure World* outlines what the Water JPI aims to achieve during the next 10-year period (to 2030) and sets out the roadmap for all Water JPI activities, taking into account the main trends, key drivers and challenges in relation to our water resources (**Figure 1**).

The *Water JPI Strategic Research and Innovation Agenda 2025* is the 5-year reference base, highlighting the range and direction of all Water JPI activities for that period, which will be delivered through the Water JPI implementation plan. The SRIA 2025 has been developed to guide future water-related RDI actions. It sets out specific research themes, sub-themes and priorities. These research priorities can then be considered by various stakeholders, such as researchers, regulatory agencies, policymakers, industry and the public. Four core themes will drive this agenda: (1) ecosystems, (2) health and wellbeing, (3) water value and usage and (4) sustainable water management.

Identifying research gaps and topics, as well as the means of implementation (e.g. joint actions, via calls or networks), will be prioritised and an agreed implementation plan will be developed, detailing joint actions. The Water JPI will act as a facilitator of cooperation between countries on water research, supporting European and international water and environmental policy by coordinating and funding research on existing and emerging problems to come up with feasible solutions.

By June 2021, this initiative had brought together 20 Member countries, the European Commission, five Associated Partner countries and three Observer countries. The international cooperation dimension of the first Water JPI implementation actions included Israel, Norway, the Republic of Moldova, South Africa and Turkey (Water JPI members), as well as two additional Horizon 2020-associated countries (Egypt and Tunisia) and three international partners (Brazil, Canada and Taiwan).

### 1.2. ERA-Net Cofund Programme WaterWorks2015

Within the ERA-Net Cofund programme [WaterWorks2015](#), Work Package 7 focuses on Water JPI alignment activities. Alignment should enable the optimal use of national research funds.

[WaterWorks2015](#) is supporting the development of the first Water JPI Thematic Annual Programming (TAP). The TAP is one of the tools of alignment. It is being developed by the Water JPI for further alignment, particularly of national RDI programmes and projects related to water challenges.

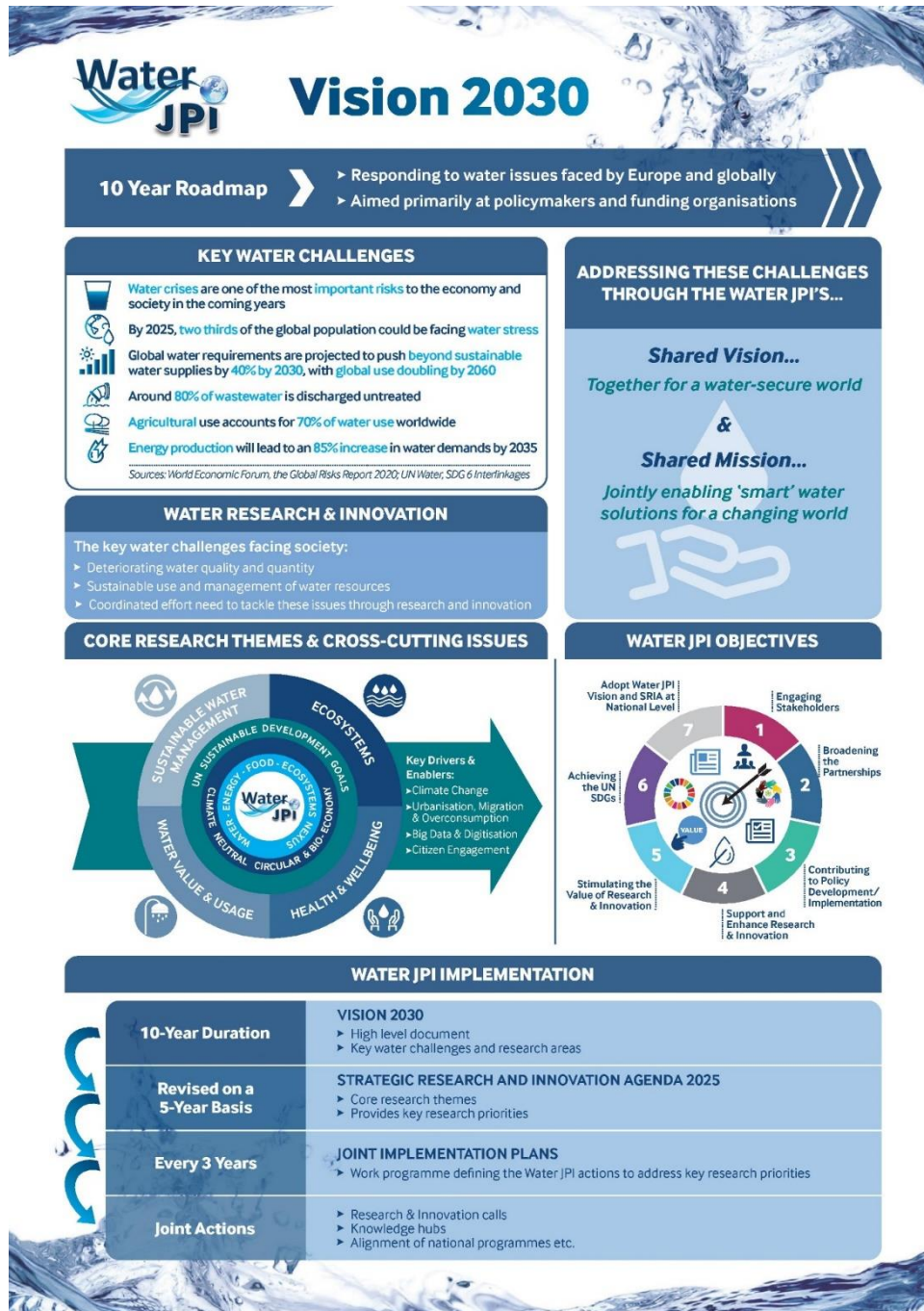


Figure 1: Water JPI Vision 2030 – infographic

To achieve the appropriate implementation of all relevant policies and protect the health of citizens, the Water JPI elaborates on further RDI actions that should be undertaken in the area of ecosystem services (ES). The topic of the first Water JPI TAP action is SRIA subtheme 1.1, “Developing Approaches for Assessing and Optimising the Value of Ecosystem Services”. Participation in the TAP action was not limited to WaterWorks2015 partners but was open to all funders of the Water JPI community and was voluntary. Along with Knowledge Hubs, it is part of the clustering/networking activities of the Water JPI and its related SRIA themes. This action ran for 24 months, i.e. from June 2019 until June 2021. The



national research funding agencies participating in this action are from Finland, Ireland, the Netherlands and Spain. The TAP, now referred to as AQUATAP-ES, is overseen by a steering committee consisting of the Water JPI coordination and the funding partners of the projects involved.

## 2. Showcase event and discussion

A total of 80 people from 27 countries attended the virtual event and represented 55 organisations. [Annex 1](#) provides a list of all attendees. The workshop programme is available in [Annex 4](#).

Miguel Angel Gilarranz (Water JPI Vice-Chair) welcomed the attendees and presented the Water JPI. The Joint Programming Initiative on Water - Water JPI - is an intergovernmental initiative between Member States and the European Commission, and a strategic umbrella for the alignment of water policy and RDI in Europe and beyond. The Water JPI developed important critical mass, adding up to 88% per cent of the European national funding available for water research and innovation activities. This critical mass has allowed the implementation of a wide range of joint activities facilitating international cooperation, capacity building, knowledge transfer and dissemination and/ or research funding.

Juliette Arabi (Water JPI) gave an overview to “What is the Water JPI Thematic Annual Programming (TAP) Action?” The TAP relies on the establishment of a network or cluster of excellence of national research & innovation projects on a specific topic of the Water JPI Strategic Research and Innovation Agenda (SRIA). This action responds to the JPI objectives by:

- Facilitating transnational cooperation, increasing synergies of national-funded projects and creating of a leveraging network, which would not necessarily exist without this action;
- Creating a critical mass of research and technological excellence;
- Facilitating the integration and sharing of knowledge;
- Fostering mobility and sharing of infrastructure;
- Developing common and cohesive practices / methodologies with the sharing of data and modelling tools, as well as training and capacity building;
- Promoting interactions and networking between different communities: researchers, enterprises, policy-makers, civil society; and
- Involving water end-users for effective RDI results uptake.

The TAP action is developed according to a common call text agreed by funding organisations or by the selection of relevant funded national projects or projects funded through Water JPI joint calls. The AQUATAP-ES network’s main objective was to assess and optimize the value of ecosystem services by facilitating the transfer of knowledge to public institutions, policy makers, end users and the public.

José María Bodoque del Pozo (AQUATAP-ES Scientific Coordinator) highlighted the workings of the network over the 24 months and illustrated the extensive outputs and key achievements of the AQUATAP-ES network as summarised below; click on link for full listing and detail: <http://www.waterjpi.eu/implementation/thematic-activities/water-jpi-tap-action>

- Five network workshops held from 2019 – 2021.
- Mapping of TAP expertise in June 2019.
- Submission to BiodivERSa Sutherland Scan in June 2019.
- Input to the Water JPI Consultative SRIA Workshop in October 2019.



- A high impact **Policy Brief** entitled: *Integration of the Ecosystem Services Approach into Policy and Practice is Key for the Sustainable Management of Aquatic Resources*, released in November 2020.
- Paper publication: January 2021 in the Springer Encyclopedia of the UN Sustainable Development Goals, Clean Water and Sanitation, entitled *Role of the Ecosystem Services Approach & Nature's Contributions to People (NCP) in supporting the achievement of SDG6 targets*.
- Following on from stakeholder surveys and engagement in 2020, a compilation of data and modelling needs was produced in March 2021.
- Hosting of a session at the 3<sup>rd</sup> Ecosystem Services Partnership (ESP) Europe Conference, Tartu, Estonia: *S5-Progress and challenges in the operationalisation of the ecosystem services approach for aquatic resources management* on 10th June 2021.
- Paper presentation at SEFS 12: Symposium for European Freshwater Sciences from 25<sup>th</sup> July 2021 to 31<sup>st</sup> July 2021.
- Development of a briefing / guidance note on Decision Support System (DSS) for Ecosystem services for potential users to be published in August 2021.

Lisa Sheils (AQUATAP-ES facilitator) introduced the distinguished high-level panel of experts and key stakeholders; Panagiotis Balabanis (Head of Sector water, European Commission DG RTD), Mostafa Panahi (Environmental and Energy Economics expert, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services - IPBES), Nihat Zal (Water Resources, Water Scarcity and Droughts expert, European Environment Agency - EEA), Ronald de Bruin (Director, European Cooperation in Science and Technology association - COST) and Mary Kelly-Quinn (AQUATAP-ES Scientific Coordinator and Professor, University College Dublin - UCD ) and invited them to share their views on the ecosystem services approach and how best to implement its approach successfully. The panel also discussed the potential future of the network and how to sustain the group going forward. A Question and Answer session was facilitated with attendees' questions being put to the panel for consideration and discussion.

All the panellists agreed on the necessity to develop new ways to promote the ecosystem services (ES) approach. Stakeholders are not always convinced about the ES approach, probably because its visibility is limited. The conceptual approach, data collection and key services and co-benefits have been identified; however gaps still exist and the key issue relates to « **actionable knowledge** », basically how to implement much of the research findings to ensure the resilience of aquatic ecosystem services and to fully implement the ecosystem services approach as a day to day water management tool.

Mary-Kelly Quinn (AQUATAP-ES Scientific Coordinator), stated the ecosystem services concept is becoming more embedded in policy at a high level but to a lesser extent at national and catchment level. Stakeholders are not always convinced of the value of the ecosystem services approach, mainly because the evidence of its value is not easy to access. The overload of information from the large and growing body of academic papers, models and tools, with the emergence of the concept of 'nature's contribution to people' (NCP) appears to overload the end users and maybe counterproductive. This is a challenge that can and should be addressed, with a bottom up approach and awareness of the value to society at a local level in particular. There is a need to address how best to communicate the ecosystem services approach and its value to stakeholders both in policy and practice as well as giving greater consideration to their information needs. This should lead to a **production of guidance for policy and practice** including decision support systems and tools, notwithstanding decision making requires the right data. Data used for most of the ecosystem services approach can be fragmented

and are not always user friendly. There are few relevant data for the less visible regulation services and cultural services, and this is a key gap to fill. Mary also highlighted on the need to identify how a better data collection could be possible and, as noted in the « **six steps** » in AQUATAP-ES policy brief, this should undoubtedly extend to the assessment of data to include data on ecosystem services.

Nihat Zal (EEA) agreed with Mary with regard the conceptual approach of the ecosystem services being already available and well defined. However, there is still the need to produce knowledge which can be directly transmitted into implementation at a local level. It should be a common and joint activity to share knowledge and expertise for the different types of implementation. Transferable detailed knowledge to the policy makers at various governance levels and to local communities is required into the future as a matter of urgency.

It is important to mobilize a **systematic thinking/ catchment approach** by taking the ecosystem services approach as a concept embedded in holistic decision making. How do ecosystem types and economic sectors interact? How can we create a balanced approach to improve the resilience of ecosystem and socio-economic life?

Mostafa Panahi (IPBES expert) highlighted the differences in information and data availability; there is enough information to understand the ecosystem functioning and ecosystem capacities. However, understanding and communicating the ecosystem services benefits are still very limited. The **implications of integrated water resources management (IWRM)** or catchment management are not well known. There is an urgent need to address the gap in between developed countries and «IWRM» approach. The relationship between water, energy and environment is very important for developing countries. Mostafa gave an example of drought in Iran that happened 10 years ago; before that, policy makers were not really concerned with water management policies and they know realize that their needs for energy, and water resource protection have to be implemented through joint water management policies.

The main work that has to be done now is to **develop wider communication tools and activities** to convince the policy makers of their responsibility to ensure protective and restorative management of our aquatic resources and their ecosystems services. **Awareness of all sectors**, including citizens, in particular at local level, will also assist in proper implementation of measures, if there is commitment from the top level and 'buy in' from the bottom up.

Ronald de Bruin (COST association Director) gave a brief overview of the COST network of currently 38 countries. By enabling researchers from academia, industry and the public and private sector to work together in open networks, this funding organisation helps to advance science, stimulates knowledge sharing and pools resources. COST Actions are bottom-up networks with a duration of four years that boost research, innovation and careers. Ronald highlighted the 37% success rate of the proposals submitted to the COST Actions is very significative and the network has great chances to continue in the coming years.

During the Question and Answer session, a number of attendees queried if COST Action was the best vehicle to sustain the AQUATAP-ES network and stressed the difficulties encountered when applying for such funding. A simpler application process could facilitate networks such as AQUATAP-ES to be potentially successful.

Other comments highlighted the need for long term sustainable resourcing of such networks and not just 'pilots' or two-year projects. Why set up new networks? Why not support successful existing ones such as AQUATAP-ES?

Another question was asked by an attendee on how to best develop an educational campaign around ecosystem services and integrated ecosystems approach to break down the barriers between science and policy.

Panagiotis Balabanis (European Commission, DG RTD) emphasized the need to translate scientific data/ research to concrete decision. There is a lack of synergy between the different activities and instruments. The Commission is trying to bring national and international initiatives together (i.e. Water4All). Missions (on climate, water, oceans) are seen as instruments that will inform citizens of the benefits of EU funded research. Panagiotis highlighted a number of existing opportunities and educational activities, e.g. the Horizon Europe Mission which is meant to facilitate knowledge transfer between researchers and politicians and implementation of research. This, he said, could be better integrated into Horizon Europe. There is also sufficient budget and tools available (OA/OD platform, stakeholders' events, conferences). He did caution that time is needed to develop these specific activities and it is crucial to mobilize the best actors to have an impact.

Miguel highlighted the Water World platform which has reached its goals and is now open to citizens who can share their observations and data to contribute to the creation of a larger data bases. Many such initiatives are already implemented and could be developed further into the future.

### **3. Main conclusions and potential next steps**

Véronique Briquet-Laugier (Water JPI Coordinator) thanked all the participants and the panel for the discussion and recalled the main outputs of the meeting. It is important to ensure that knowledge gaps are addressed by sharing knowledge and applications of different types of implementation. Furthermore, there is a real need to switch our way of thinking on how to manage and protect our aquatic resources and the ecosystems they support and benefits they provide us with. Ensuring their protection, restoration and improving the resilience of our ecosystems is key and needs to be implemented on a catchment wide basis, encompassing water (fresh and marine systems), biodiversity, socio-economic and cultural aspects; with people playing a central role. As the need for energy is crucial across the world, it has to be integrated to the water management by facilitating synergies between all sectors. Smart data is key for the decision makers, who need the right data to embed Ecosystem services at the national level. The decision-making support tool will help increase awareness of the importance of Ecosystem services for all the stakeholders.

Miguel Angel Gilarranz concluded the meeting and thanked all participants.

## Annex 1. List of Attendees

| Name                      | Organisation  | Country      | Role      |
|---------------------------|---|--------------|-----------|
| Jessica Alvarado          | Trinity College Dublin                              | Ireland      | Attendee  |
| Juliette Arabi            | ANR/ Water JPI                                      | France       | Presenter |
| Joost Backx               | Rijkswaterstaat                                     | Netherlands  | Attendee  |
| Panagiotis Balabanis      | European Commission, DG RTD                         | Belgium      | Panellist |
| Ivar Berthling            | Research Council of Norway                          | Norway       | Attendee  |
| Juliette Bettus           | ANR/ Water JPI                                      | France       | Attendee  |
| Jose Bodoque              | University of Castilla-La Mancha                    | Spain        | Presenter |
| Olivier Bouc              | ANR/ Water JPI                                      | France       | Attendee  |
| Véronique Briquet-Laugier | ANR/ Water JPI                                      | France       | Presenter |
| Michael Bruen             | University College Dublin                           | Ireland      | Attendee  |
| Craig Bullock             | Optimize  | Ireland      | Attendee  |
| Ingrid Cesaro             | COST Association                                    | Belgium      | Attendee  |
| Esther Chacón             | Agencia Estatal de Investigación (AEI)              | Spain        | Attendee  |
| Simon Coulet              | ANR/ Water JPI                                      | France       | Attendee  |
| Dominique Darmendrail     | BRGM  | France       | Attendee  |
| Olga Davidenco            | NARD  | Moldova      | Attendee  |
| Ronald de Bruin           | COST Association                                    | Belgium      | Panellist |
| Willem De Clercq          | Stellenbosch University                             | South Africa | Attendee  |
| Marieke de Lange          | Rijkswaterstaat                                     | Netherlands  | Attendee  |
| Andrés Diez-Herrero       | Instituto Geológico y Minero de España (IGME, CSIC) | Spain        | Attendee  |
| Sofia Dimitropoulou       | GSRI Ministry of Development & Investments          | Greece       | Attendee  |
| Eric Edeline              | INRAE   | France       | Attendee  |
| Roey Egozi                | MOAG  | Israel       | Attendee  |
| Ipek Erzi                 | TUBITAK   | Turkey       | Attendee  |
| Marika Fantoni            | Università Politecnica delle Marche                 | Italy        | Attendee  |
| Emilio Fernández          | Agencia Estatal de Investigación (AEI)              | Spain        | Attendee  |
| Nikolai Friberg           | Norwegian Institute for Water Research (NIVA)       | Norway       | Attendee  |
| Miguel Gilarranz          | Agencia Estatal de Investigación (AEI)              | Spain        | Chair     |

| Name                      | Organisation  | Country        | Role      |
|---------------------------|---|----------------|-----------|
| Avelino Gonzalez Gonzalez | European Commission - DG RTD                                      | Belgium        | Attendee  |
| Bruna Gumiero             | University of Bologna   | Italy          | Attendee  |
| Harri Hautala             | Academy of Finland (AKA)  | Finland        | Attendee  |
| Janet Hering              | Swiss Fedl Inst Aquatic Sci Technol - Eawag                       | Switzerland    | Attendee  |
| Hege Hisdal               | Norwegian Water Resources and Energy Directorate                  | Norway         | Attendee  |
| Katia Hueso               | IPAISAL   | Spain          | Attendee  |
| Mary Kelly-Quinn          | University College Dublin   | Ireland        | Panellist |
| Julianna Kobolak          | Hungarian University of Agriculture and life Sciences             | Hungary        | Attendee  |
| Kinga Krauze              | ERCE PAS  | Poland         | Attendee  |
| Michaela Křiklánová       | Technologická agentura ČR   | Czech Republic | Attendee  |
| Judith Litjens            | COST Association  | Belgium        | Attendee  |
| David Lyons               | National Parks & Wildlife Service                                 | Ireland        | Attendee  |
| Elena Martínez Bravo      | INCLAM  | Spain          | Attendee  |
| Triona McGrath            | An Foram Uisce - the Water Forum                                  | Ireland        | Attendee  |
| Owen McIntyre             | University College Cork   | Ireland        | Attendee  |
| Giuseppina Monacelli      | Water JPI Chair   | Italy          | Attendee  |
| David Navarro             | Catalan Water Agency  | Spain          | Attendee  |
| Gilles Neveu              | Europe INBO / OiEau   | France         | Attendee  |
| Baya Nuñez                | Technologická agentura ČR   | Czech Republic | Attendee  |
| Aisling O'Connor          | Environmental Protection Agency (EPA)                             | Ireland        | Attendee  |
| Adina Pacala              | INCD ECOIND   | Romania        | Attendee  |
| Mostafa Panahi            | IPBES expert  | Iran           | Panellist |
| Marcin Penk               | University College Dublin   | Ireland        | Attendee  |
| Anne Petzold              | Project Management Agency Karlsruhe                               | Germany        | Attendee  |
| Jay Piggott               | Trinity College Dublin  | Ireland        | Attendee  |
| Bruno Pimenta             | Universidade do Minho   | Portugal       | Attendee  |
| Ana Portela               | CIBIO-InBIO Research Center in Biodiversity and Genetic Resources | Portugal       | Attendee  |
| Anne Marie Power          | National University of Ireland Galway                             | Ireland        | Attendee  |
| Tamara Putois             | Torrent R&D Center  | France         | Attendee  |
| Erwan Rauwel              | Estonian University of Life Science                               | Estonia        | Attendee  |

| Name                | Organisation                                    | Country         | Role            |
|---------------------|---|-----------------|-----------------|
| Italo Saccardo      | Professional                                    | Italy           | Attendee        |
| Katrin Schertenleib | Trinity College Dublin                          | Ireland         | Attendee        |
| Kate Schoenrock     | National University of Ireland Galway           | Ireland         | Attendee        |
| Vânia Serrão Sousa  | University of Algarve                           | Portugal        | Attendee        |
| Lisa Sheils         | Environmental Protection Agency Ireland (EPA)   | Ireland         | Panel Moderator |
| Mateusz Sobczyk     | National Science Center                         | Poland          | Attendee        |
| Maria Chiara Sole   | ISPRA   | Italy           | Attendee        |
| Markus Stacheder    | Project Management Agency Karlsruhe             | Germany         | Attendee        |
| Matěj Štěpánek      | Technology Agency of the Czech Republic (TA CR) | Czech Republic  | Attendee        |
| Edit Szilágyi       | General Directorate of Water Management         | Hungary         | Attendee        |
| Kirstine Thiemer    | Norwegian Institute for Water Research          | Norway          | Attendee        |
| Osman Tikansak      | Formas  | Sweden          | Attendee        |
| Claire Treignier    | ANR/ Water JPI                                  | France          | Attendee        |
| Gorazd Urbanic      | URBANZERO Institute                             | Slovenia        | Attendee        |
| Gregory Valatin     | Forest Research                                 | United Kingdom  | Attendee        |
| Agnes Vari          | ELKH Center for Ecological Research             | Hungary         | Attendee        |
| Jason Weeks         | IEH Consulting                                  | United Kingdom  | Attendee        |
| Ulku Yetis          | Middle East Technical University                | Turkey          | Attendee        |
| Vesa Yli-Pelkonen   | Academy of Finland (AKA)                        | Finland         | Attendee        |
| Rafe Yousef         | VDIVDE-IT                                       | Germany         | Attendee        |
| Ljupka Zajkov       | Ministry of environment                         | North Macedonia | Attendee        |
| Nihat Zal           | European Environment Agency (EEA)               | Denmark         | Panellist       |

## Annex 2. Speakers and Panel

| Name                      | Organisation                            | Country | Role            |
|---------------------------|---|---------|-----------------|
| Miguel Gilarranz          | Agencia Estatal de Investigación (AEI)  | Spain   | Chair           |
| Juliette Arabi            | ANR/ Water JPI                          | France  | Presenter       |
| Jose Bodoque              | University of Castilla-La Mancha        | Spain   | Presenter       |
| Véronique Briquet-Laugier | ANR/ Water JPI Coordinator              | France  | Presenter       |
| Lisa Sheils               | Environmental Protection Agency Ireland | Ireland | Panel Moderator |
| Ronald de Bruin           | COST Association                        | Belgium | Panellist       |
| Panagiotis Balabanis      | European Commission, DG RTD             | Belgium | Panellist       |
| Mary Kelly-Quinn          | University College Dublin               | Ireland | Panellist       |
| Mostafa Panahi            | IPBES expert                            | Iran    | Panellist       |
| Nihat Zal                 | European Environment Agency (EEA)       | Denmark | Panellist       |



### Annex 3. Members of AQUATAP-TAP network [Who is Who - Water JPI AQUATAP-ES](#)

| Name              | Organisation                              | Country           | Role  |
|-------------------|---|-------------------|---|
| Jose Bodoque      | University of Castilla-La Mancha          | Spain             | Scientific Coordinator<br>2020-2021                     |
| Mary Kelly-Quinn  | University College Dublin                 | Ireland           | Scientific Coordinator<br>2019-2020                     |
| Michael Bruen     | University College Dublin                 | Ireland           | AQUATAP-ES member                                       |
| Joost Backx       | Rijkswaterstaat                           | Netherlands       | AQUATAP-ES member                                       |
| Marieke de Lange  | Rijkswaterstaat                           | Netherlands       | AQUATAP-ES member                                       |
| Marcin Penk       | University College Dublin                 | Ireland           | AQUATAP-ES member                                       |
| Jay Piggott       | Trinity College Dublin                    | Ireland           | AQUATAP-ES member                                       |
| Anne Marie Power  | National University of Ireland<br>Galway  | Ireland           | AQUATAP-ES member                                       |
| Kate Schoenrock   | National University of Ireland<br>Galway  | Ireland           | AQUATAP-ES member                                       |
| Anna Kuparinen    | University of Jyväskylä                   | Finland           | AQUATAP-ES member                                       |
| Christian K. Fled | University of Duisburg-Essen              | Germany           | AQUATAP-ES member                                       |
| Craig Bullock     | University College Dublin                 | Ireland           | AQUATAP-ES member                                       |
| Michael Christie  | Aberystwyth University                    | United<br>Kingdom | AQUATAP-ES member                                       |
| Vicenç Acuña      | Catalan Institute for Water<br>Research   | Spain             | AQUATAP-ES member                                       |
| Lisa Sheils       | Environmental Protection Agency<br>(EPA)  | Ireland           | AQUATAP-ES<br>Facilitator & Steering<br>Committee Chair |
| Juliette Bettus   | ANR/ Water JPI                            | France            | Water JPI -<br>WaterWorks2015                           |
| Armelle Montrose  | ANR/ Water JPI                            | France            | Water JPI -<br>WaterWorks2015                           |
| Esther Chacón     | Agencia Estatal de Investigación<br>(AEI) | Spain             | Steering Committee                                      |
| Miguel Gilarranz  | Agencia Estatal de Investigación<br>(AEI) | Spain             | Steering Committee                                      |
| Harri Hautala     | Academy of Finland (AKA)                  | Finland           | Steering Committee                                      |

## Annex 4. Programme

Water JPI and the AQUATAP-ES network Stakeholders Showcase Event  
“AQUATIC ECOSYSTEM SERVICES ON THE SCIENCE-POLICY-PRACTICE  
CONNECTION: CHALLENGES AND OPPORTUNITIES”

Tuesday 22nd June 2021 - 10.30-12.00 (CEST)

virtual event

*The Water JPI AQUATAP-ES entitled ‘Developing Approaches for Assessing and Optimising the Value of Ecosystem Services’ is a small network of researchers from across Europe with the overall goal to inform Policy & Practice by seeking to foster integration of the ecosystem service concept/framework into decision-making relating to the management of aquatic resources.*

### Opening pre-recordings - Water JPI AQUATAP-ES network projects

**10.30 - 10.35: Welcome:** Prof. Miguel Ángel Gilarranz Redondo (Water JPI Vice Chair)

**10.35 - 10.45: What is the Water JPI Thematic Annual Programming (TAP) action?**

Dr. Juliette Arabi (Water JPI Secretariat)

**10.45-11.00: 2019-21 Key Achievements of the AQUATAP-ES network. Challenges and Opportunities.**

Prof. José María Bodoque del Pozo (AQUATAP-ES Scientific Coordinator)

**11.00 - 12.00: Panel Discussion: Where do we go from here? Putting theory into Practice.**

Moderated by Ms. Lisa Sheils (AQUATAP-ES facilitator)

#### Panel members:

Mr. Panagiotis Balabanis, Head of Sector water, European Commission, DG RTD;

Dr. Ronald de Bruin, Director, COST Association;

Dr. Mostafa Panahi, Environmental and Energy Economics Expert, IPBES;

Prof. Mary Kelly-Quinn, AQUATAP-ES Scientific Coordinator;

Dr. Nihat Zal, Water Resources, Water Scarcity and Droughts Expert, EEA.

- 1. What are the key challenges/barrier to integrating the Ecosystem Services Approach into everyday management of our waters and how can they be addressed?*
- 2. How do we sustain the network AQUATAP-ES?*
- 3. What is the Future for the Thematic Annual Programming, TAP?*

OPEN TO THE FLOOR FOR QUESTIONS & ANSWERS

### Close out

**12.00: Main conclusions and potential next steps.**

Dr. Véronique Briquet-Laugier (Water JPI Coordinator)