



**Proceedings from the meeting of the 1st Water JPI Thematic Annual
Programming (TAP) – Ecosystem Services**

Kick-off meeting, Dublin, 12 June 2019

Prepared by the Environmental Protection Agency
Further information: Waterjpisecretariat@agencerecherche.fr



Table of Contents

Executive Summary	2
List of Abbreviations/Acronyms.....	3
Acknowledgments	3
Disclaimer	3
1. Introduction	4
2. Methodology	6
2.1. Meeting Aims and Objectives	6
2.2. Relevant Stakeholders.....	6
2.3. Workshop Programme	6
3. Proceedings	8
3.1. Welcome and Plenary Session: What is the Water JPI TAP all about?.....	8
3.2. Plenary Session: Getting to know each other	9
3.3. Network Discussion.....	11
3.4. Summary of Discussion & Responses.....	14
4. Next Steps & Towards the Implementation Plan.....	15
5. Closing comments by Irish EPA Director Matt Crowe.....	15
Annex 1: List of Attendees	16
Annex 2: Programme	17
Annex 3: Group Discussions Session 1 & Session 2	19



Executive Summary

The Water Joint Programming Initiative, Water JPI (www.waterjpi.eu), entitled “Water Challenges for a Changing World”, was launched in 2010 and was formally approved by the European Council in December 2011. As of September 2018, the Water JPI membership included a total of 22 member countries and three observer countries, which collectively represent 88% of European public research, development and innovation (RDI) 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*”.

The Water JPI Strategic Research and Innovation Agenda (SRIA) subtheme 1.1., “Developing Approaches for Assessing and Optimising the Value of Ecosystem Services”, is the topic of the first Water JPI Thematic Annual Programming (TAP) action. This action will run 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.¹

The first Water JPI TAP-related national calls for the selection of new national projects took place in late 2018, and the action was launched in 2019.

The Water JPI previously held an exploratory workshop focused on “[Improving Ecosystem Sustainability and Human Well-being](#)” (Dublin, 2 and 3 November 2017).² The aim of the workshop was to further discuss and develop the RDI needs under theme 1 of the Water JPI [SRIA](#) and inform the SRIA update.

This report contains the proceedings of the first meeting of the [1st Water JPI TAP on Ecosystem Services](#), which took place on 12 June 2019 in Dublin, Ireland. The workshop included the first TAP researchers, funding partners, members of TAP actions from other JPIs and the wider Water JPI community, in order to discuss and collate their experiences of, and feedback from, involvement in research and development projects that involve ecosystem services.

This first workshop provided an opportunity for participants to meet each other and discuss the purpose of the Water JPI, to gain an understanding of the projects and teams involved in the TAP, and to identify synergies and outputs that would inform the TAP Implementation Plan. A total of 21 people attended the workshop, including representatives from 16 different organisations from eight countries, including the WaterWorks 2015 Secretariat.

All presentations, as well as the workshop documentation, are available from the Water JPI website.

¹ France is the WaterWorks 2015 Secretariat for now as no national projects were selected by the French National Research Agency (ANR) for the TAP action in 2018. The ANR is currently investigating how best to join this activity.

² <http://www.waterjpi.eu/resources/exploratory-workshops/2017-water-jpi-exploratory-workshop-2-3-11-2017-dublin>

List of Abbreviations

AEI	Agencia Estatal de Investigacion
ANR	French National Research Agency
EC	European Commission
ERA-NET	European Research Area Networks
EPA	Environmental Protection Agency
ES	Ecosystem services
FACCE-JPI	Joint Programming Initiative on Agriculture, Food Security and Climate Change
INIA	National Institute for Agricultural and Food Research and Technology
INRA	French National Institute for Agricultural Research
JPI	Joint Programming Initiative
NUIG	National University of Ireland Galway
RDI	Research, development and innovation
SRIA	Strategic Research and Innovation Agenda
TAP	Thematic Annual Programming
UCD	University College Dublin
UCLM	University of Castilla-La Mancha

Acknowledgements

The Water JPI has received funding from the European Union's Horizon 2020 Programme for Research, Technological Development and Demonstration under Grant Agreement no. 641715 (WaterWorks 2015). We also wish to acknowledge the invaluable contribution from all of the invited workshop speakers and attendees, the European Research Area Networks (ERA-NET) Cofund partners for WaterWorks 2015 and the Water JPI Governing Board, as well as the European Commission funding.

Disclaimer

This publication reflects the views only of the author, and the European Commission cannot be held responsible for any use that may be made of the information contained therein.

1. Introduction

Over the last 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 policy and RDI activities should therefore contribute to this aim. Water supply for the development of different activities (agriculture, energy production, public services, etc.) also needs to be ensured to benefit the economic prosperity of Europe.

Beyond Europe, water crises were identified in 2015 by the World Economic Forum³ (nearly 900 experts took part in the Global Risk Perception Survey) as the most important risk in terms of impacts to the economy and society in the upcoming years. Water crises, associated with the failure of climate change adaptation, are also perceived as more likely to occur and have an impact than the average risk. Global water requirements are projected to be pushed beyond sustainable water supplies by 40% by 2030.⁴

It is in this context that the Water Joint Programming Initiative (JPI) has defined its grand challenge as “achieving sustainable water systems for a sustainable economy in Europe and abroad”. JPIs are intergovernmental initiatives aimed at tackling societal challenges that cannot be addressed by single countries alone. To this end, JPIs foster cross-border collaboration and co-ordination. The Water JPI was launched in 2010. As of September 2018, this initiative has brought together 22 partner countries, the European Commission (EC) and three observer countries.

WaterWorks 2015 is an EC-funded ERA-NET Cofund action supporting the development of the first Water JPI Thematic Annual Programming (TAP) (Work Package 7, Task 7.3). 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.

To achieve the appropriate implementation in all relevant policies and protect the health of Europeans, 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 *Water JPI Strategic Research and Innovation Agenda (SRIA) subtheme 1.1. “Developing Approaches for Assessing and Optimising the Value of Ecosystem Services”*.⁵

Participation in the TAP action is not limited to the WaterWorks 2015 partners but is open to all funders of the Water JPI community and is voluntary. Along with Knowledge Hubs, it is part of the clustering/networking activities of the Water JPI and its related Water JPI SRIA themes.

This action will run 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.⁶

³ <http://reports.weforum.org/global-risks-2015/part-1-global-risks-2015/introduction/>

⁴ 2030 Water Resources Group, 2009.

⁵ <http://www.waterjpi.eu/mapping-agenda/strategic-research-and-innovation-agenda-sria/sria-themes/improving-ecosystem-sustainability-and-human-well-being>

⁶ France is WaterWorks 2015 Secretariat for now as no national projects were selected by ANR for the TAP action in 2018. ANR is currently investigating how best to join this activity.



The TAP is overseen by a Steering Committee, as listed in [Annex 1](#). The membership of the TAP is composed of experts engaged in the topic area and the role of this TAP “seed group” is to actively disseminate the activities of the TAP and to agree and implement the TAP Implementation Plan, including to actively participate in activities such as attendance at meetings.

The first meeting of the TAP for Ecosystem Services targeted the research community engaging in the Water JPI initiatives. The outcomes from this workshop will inform the next steps to be taken by the TAP.

All presentations, as well as the workshop documentation, are available from the Water JPI website.

This report was prepared based on the presentations and notes provided by the rapporteurs, as well as the feedback received from the attendees on the draft version of this document.

2. Methodology

The workshop was organised by the Environmental Protection Agency (EPA) (Ireland), with the support of the Water JPI Secretariat.

2.1. Meeting Aims and Objectives

This first meeting aimed to bring together members of project teams that were successful under the TAP joint call and create a network of expertise. At this event the members would learn from experience of the Joint Programming Initiative on Agriculture, Food Security and Climate Change ([FACCE-JPI TAP Soil](#)),⁷ identify synergies between projects and detail proposed outputs for the TAP.

The objectives of this meeting included:

1. clarify the aims and objectives of the TAP;
2. identify synergies and common ground between project teams;
3. identify possible outputs for the TAP that would inform the Implementation Plan.

As well as a sharing of expertise and ideas in plenary sessions, two group discussion sessions were used to achieve these objectives.

2.2. Relevant Stakeholders

Successful projects under the 2016 Water JPI Joint Call (WaterWorks 2015) were invited as stakeholders. This included project leads and team members. Additionally, the TAP Steering Committee members and WaterWorks 2015 Secretariat were key stakeholders. Guests were also invited by project leads. The workshop was also open to all Water JPI Advisory Board members and Water JPI Governing Board members, as well as Water JPI partners.

A total of 21 people attended the workshop, including representatives from 16 different organisations from eight countries. [Annex 1](#) provides a list of all attendees.

2.3. Workshop Programme

The workshop programme is available in [Annex 2](#). The workshop included two plenary sessions, as well as two discussion sessions.

The plenary sessions were chaired by **Miguel Ángel Gilarranz**, Water JPI Co-chair, and **Heather McKhann**, FACCE JPI, French National Institute for Agricultural Research (INRA).

An opening welcome was provided by **Miguel Ángel Gilarranz**, who chaired the first session on "[What Is the Water JPI All About?](#)" and provided the context for the TAP and an overview of the Water JPI.

This session included presentations on the **Aims of the Workshop and Agenda** by Lisa Sheils of the EPA, Ireland, and on the **TAP Soil Experience of the FACCE JPI** by **Pablo Gómez Grande**, National Institute for

⁷ <https://faccejpi.net/index.php/actions/european-joint-programming-soil/thematic-annual-programming-tap-soil>

Agricultural and Food Research and Technology (INIA), Spain. A panel discussion that included the presenters and **Heather McKhann** of the **FACCE JPI** and **INRA** took place following the presentations.

The second plenary session, *“Getting to Know Each Other”*, was chaired by **Heather McKhann** of the **FACCE JPI** and **INRA France**. In this session, project leads/team members of the six national TAP projects gave a 5-minute overview on their work, providing a description of their project, the composition of their teams and stakeholders involved and their expected outcomes and possible synergies, and detailed what they would like to gain from the meeting (for further details see section 3.2).

1. **“Complex eco-evolutionary dynamics of aquatic ecosystems faced with human-induced and environmental stress”**: Anna K. Kuparinen, University of Jyväskylä, Finland.
2. **“Design of a methodology to increase flood resilience compatible with improved status of water bodies and sustainable management of water resources (DRAINAGE)”**: José María Bodoque del Pozo, University of Castilla-La Mancha (UCLM), Spain.
3. **“ESDecide: from ecosystem services framework to application for integrated freshwater resources management”**: Mary Kelly Quinn, University College Dublin (UCD), Ireland.
4. **“Ecosystem services and natural capital for the large Dutch water bodies”**: Joost Backx, Rijkswaterstaat, the Netherlands.
5. **“Spatial and temporal flow intermittency in fluvial ecosystems: effects on structure, function and ecosystem services”**: Vicenç Acuña, Fundació Institut Català de Recerca de l’Aigua, Spain.
6. **“The diversity and resilience of kelp ecosystems in Ireland”**: Kathryn Schoenrock, National University of Ireland Galway (NUIG), Ireland.

During the *“Network Discussion”*, the participants were divided into two groups – TAP members and non-TAP members (for further details see section 3.3). The discussion sessions were based on the following questions:

Discussion Session 1

- What clarifications on the aims and objectives of TAP are required?
- Identifying common ground between the scope of projects.
- What support will be required?

Discussion Session 2

- **Question 1: How** should the TAP work together (face-to-face meetings/online forum/etc.)?
- **Question 2: What** will the TAP produce? (discussion on the draft outputs of TAP).
- **Question 3: Who** will be our leader and his/her role? Elect a Scientific Co-ordinator.
- **Question 4:** Our acronym.

3. Proceedings

3.1. Welcome and Plenary Session: What Is the Water JPI TAP All About?



Miguel Ángel Gilarranz, Water JPI Co-chair, welcomed the group, gave an introduction to the Water JPI's current set-up and gave context to the TAP and its function.

Lisa Sheils from the EPA introduced the aims and objectives of the workshop, highlighted that a TAP is a network of national projects teams and detailed what the expectations of the day were.



Pablo Gómez Grande from the INIA, Spain, provided insight into the work and functioning of the **FACCE JPI – TAP Soil**, which involves nine countries and currently 16 projects (with up to 30 possible). It is used as a light alignment tool aimed at fostering collaboration between national projects, sharing approaches, methods, data and results in their networking activities.



3.2. Plenary Session: Getting to Know Each Other

Chaired by **Heather McKhann** of the **FACCE JPI** and **INRA France**, in this session the project leads/team members of the six national TAP projects gave a 5-minute overview on their work.

Those representing the initiatives provided a description of their project, the composition of their teams and stakeholders involved, their expected outcomes and possible synergies, and detailed what they would like to gain from the meeting.

a) Complex eco-evolutionary dynamics of aquatic ecosystems faced with human-induced and environmental stress – Finland



Anna K. Kuparinen of the University of Jyväskylä presented the collaboration's work on understanding complex systems and identified possible synergies in the areas of modelling and taking an eco-evolutionary perspective. Anna was keen to gain insights from other projects and see how the project work fits into the wider Water JPI network/programme.

b) Design of a methodology to increase flood resilience compatible with improved status of water bodies and sustainable management of water resources (DRAINAGE) – Spain



José María Bodoque del Pozo, UCLM, discussed possible synergies – given the multi-disciplinary nature of the DRAINAGE project, synergies can be established with all of the projects and especially with those that are focused on the fluvial environment. José wanted to see the creation of a network of projects focused on the characterisation and valuation of ES from different approaches.

c) ESDecide: from ecosystem services framework to application for integrated freshwater resources management – Ireland



Mary Kelly Quinn, UCD, described the aim of the project as developing an evidence-based decision support tool for managing Ireland's freshwater ES. Synergies and common themes identified were:


- human-induced stress effects on structure, function and ES;
- resilience;
- integration of social dimensions into management;
- ES within natural capital assessments.

Identifying how we can foster knowledge exchange between projects was one of the items that Mary wanted to gain from the meeting.


d) Ecosystem services and natural capital for the large Dutch water bodies – the Netherlands

	<p>Joost Backx, Rijkswaterstaat, presented work on how the ES and natural capital approaches are being used to take economic, environmental and social effects into account and integrate data into management.</p> <p>Possible synergies included connecting to other research topics and discussions, e.g. Sustainable Development Goals, resilience; tools are ahead of the available data; and lack of a governance system and legal regime for protection and improvement of ecosystem services.</p>
---	--


e) Spatial and temporal flow intermittency in fluvial ecosystems: effects on structure, function and ecosystem services – Spain

	<p>Vicenç Acuña, Fundació Institut Català de Recerca de l'Aigua, described the aim of SPACESTREAM as understanding the effects of flow intermittency on rivers, considering the effects on ecosystems and their services.</p> <p>Among the expected outcomes is a decision support system (DSS) for river basin district authorities to design management actions.</p> <p>Synergies included modelling, valuation of benefits and dissemination at a European Union level to maximise the impacts of projects.</p>
---	---

f) The diversity and resilience of kelp ecosystems in Ireland – Ireland

	<p>Kathryn Schoenrock, NUIG, identified possible synergies as:</p> <ul style="list-style-type: none"> - comparison-proposed methodologies testing ecosystem resilience in terrestrial and freshwater systems; - public communication outlets for novel and applied projects; - infrastructure for cross-discipline research. <p>Fostering new ideas for integrating the research with the public view of marine ecosystems and sustainability under climate change influences was one of the items that Kate wanted to gain from the meeting.</p>
---	---

Quick Recap

	<p>A brief recap was provided by Siobhán Egan (EPA), who highlighted some of the common themes as resilience/testing resilience, integration of the social dimension, data/big data availability and the need to show added value provided by the TAP.</p> <p>Siobhán introduced the network discussions where synergies and outputs, in particular, would be explored further.</p>
---	--

3.3. Network Discussion

Following on from the presentations, group discussions were facilitated. Attendees were divided into two groups:

- group 1 – TAP members;
- group 2 – non-TAP members.

Notes were taken by the rapporteurs and are provided in [Annex 3](#).

Rapporteurs for the group discussions were Miguel Ángel Gilarranz of Agencia Estatal de Investigación (AEI)/Ministry of Economy and Competitiveness (MINECO), Lisa Sheils (EPA), Noreen Layden (EPA) and Siobhán Egan (EPA).

Group discussion - TAP members	Group discussion – non-TAP members
	

Group Discussion 1

Group discussion 1 involved addressing the following questions:

- What clarifications on the aims and objectives of TAP are required?
- Identifying common ground between the scope of projects.
- What support will be required?

Key points presented by rapporteurs are presented in Table 1.

Table 1. Summary of the key points of group discussion 1

Questions	TAP members	Non-TAP members
What clarifications on the aims and objectives of TAP are required?	<p>Key goal is to inform policy and practice as the concept is widely studied but has not been incorporated into decision-making relating to policy or resource management</p> <p>Clarification of concepts and messaging for ES. ES not always used correctly, or used in different contexts</p> <p>Address difficulty for policy-makers in managing objectives related to ES</p> <p>Water too low on the agenda</p> <p>Highlight cultural services, quality of life = ES</p>	<p>Alignment and co-ordination of (key) nationally funded projects</p> <p>Avoid duplication/share resources</p> <p>Share solutions, methods</p> <p>Share data</p> <p>Raise profile by working together and contribute to cutting-edge science</p> <p>Need to communicate added value of the TAP</p>
Identifying common ground between the scope of projects	<p>Linking science and policy</p> <p>Difficulty in transfer to policy</p> <p>How to make ES more applicable</p> <p>Data availability challenge – big data</p> <p>Valuing services</p> <p>DSS is needed</p> <p><u>Common:</u></p> <p>Resilience, system recovery</p> <p>Value</p> <p>Citizen engagement</p> <p>Modelling tools</p>	<p>Lists of TAP and other projects to allow synergies with others to be found</p> <p>LinkedIn platform to share information about projects</p> <p><u>Common:</u></p> <p>Modelling</p> <p>Decision-support tools</p> <p>Links to evolutionary processes</p>
What support will be required?	<p>Mapping TAP expertise, resources, information, infrastructures, etc.,</p> <p>Links with other repositories/networks</p> <p>Communication platform that links JPI results to society</p>	<p>Travel (twice a year to meet) – costs are covered by the projects themselves – should have an allocation for international travel</p> <p>Communication via social media – help from JPI to share via social media</p> <p>A suggested workshop at end of the work for end-users</p>

Group Discussion 2

Group discussion 2 involved addressing the following questions:

- **How** should the TAP work together (face-to-face meetings/online forum/etc.)?
- **What** will the TAP produce? (discussion on the draft outputs of TAP).
- **Who** will be our leader and his/her role? Elect a Scientific Co-ordinator.
- Our **acronym**.

Key points presented by rapporteurs are presented in Table 2

Table 2. Summary of the key points of group discussion 2

Question	TAP members	Non-TAP members
How should the TAP work together?	WebEx/Skype Email Back-to-back meetings	Document-sharing facility WebEx/Zoom/Skype Supported co-ordinator Training events Workshops/meetings back-to-back A clear work plan
What will the TAP produce? (discussion on the draft outputs of TAP)	Implementation/work plan with goal to inform policy and practice and outputs identified: <u>Short term:</u> policy brief, who's who; BiodivERSA input to Sutherland Horizon Scan <u>Medium term:</u> input to SRIA development/State of Knowledge document; mapping expertise and resources; guidance to help decision-making (principles) <u>Long term:</u> workshop to inform policy development	Work plan Reporting (mid and final) – needs commitment from partners Policy brief(s) Joint peer-reviewed publications to have an impact Visual outputs/reporting
Who will be our leader and his/her role?	Mary Kelly–Quinn (year 1) José Bodoque del Pozo (year 2)	Not applicable
Our acronym	Should try to capture the idea of networks as well as ES: ESTAP TAP-ES ESInform Water Joint Ecosystem Services (WJES)	EcoSTAP EcoSyTAP TAP-Water W2TAP AquaTAP

3.4. Summary of Discussion and Responses

The discussions in the plenary session included highlighting that the overall goal/purpose of the group should be to **inform policy and practice**, with discussions including the importance of communicating the variety of services that contribute to quality of life.

Common ground included **shared challenges** (a lack of big data, the science – policy transfer) as well as **synergies** in work topics (system resilience/recovery, modelling, citizen engagement, decision-support tools).

Supports needed were identified as assistance with communications, mapped resources, links with other repositories/networks and events/meeting opportunities.

A range of suggestions was identified for **working together**, including continued use of WebEx and email and the importance of a clear plan. Google Docs was initially suggested as the document-sharing facility.

The **outputs** suggested included policy brief(s), guidance and joint publications, as well as more immediate opportunities relating to the SRIA and Sutherland Horizon Scan (via BiodivERSA).

Discussion of activities included the need:

- To communicate the different values of ES to stakeholders, such as helping policy-makers to evaluate what can be expected in terms of recovery.
- To bring to policy-makers and society the results of RDI in the field of ES.
- For DSS and guidelines for the development and use of DSS. Important to define for whom and what needs to be decided. Concepts must be clear – policy-makers do not want to know much about the “guts” of the system, but how to use the information that DSSs provide.
- For better engagement of citizens and better knowledge about what ES provide: cultural services, water supply, etc. It is important to communicate that there is a variety of services contributing to overall quality of life.

It was decided to run the **co-ordinator role** on a rotation basis, with Mary Kelly-Quinn as the co-ordinator in year 1 and José Bodoque del Pozo as the co-ordinator in year 2.

A range of **possible acronyms** was identified for the group (see Table 3).

4. Next Steps and Towards the Implementation Plan

Lisa Sheils (EPA) highlighted that the Implementation Plan will be taken forward by the newly elected co-ordinator for the group, working with support from Siobhán Egan (EPA). The Implementation Plan would contain the specific outputs for the TAP. In the more immediate term, there is also an opportunity to input to the Sutherland Horizon Scan (via BiodivERSA).

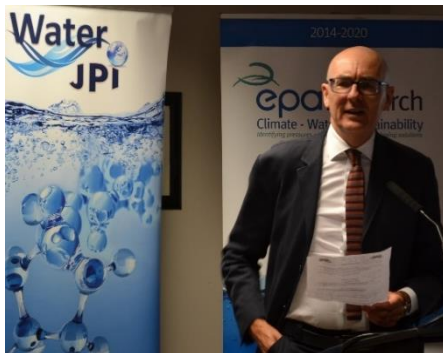
The terms of reference for the group will also be brought up to date.

Next meeting date and location are to be confirmed – an invitation will follow. Draft proceedings of the meeting will also follow.

Lisa is leaving the Water JPI to take on Climate JPI co-ordination. Siobhán Egan will be taking on the Water JPI role for the EPA.



5. Closing comments by Irish EPA Director Matt Crowe



Matt Crowe, Director of the Office of Evidence and Assessment (EPA), highlighted the significance of the work of the group as a collaboration.

Along with the Calls are the TAP and Knowledge Hubs are significant aspects of how the JPI delivers results.

Matt thanked everyone, was enthused by the work and energy in the room and wished the TAP the best in its work.

Annex 1: List of Attendees

TAP membership	First name	Surname	Organisation
Seed group	Vicenç	Acuña	Fundació Institut Català de Recerca de l'Aigua, Spain
Seed group	Joost	Backx	Rijkswaterstaat, the Netherlands
Seed group CO-ORDINATOR for Year 2	José	Bodoque del Pozo	UCLM, Spain
Seed group	Kenan	Chan	NUIG, Ireland
Seed group CO-ORDINATOR for Year 1	Mary	Kelly-Quinn	UCD, Ireland
Seed group	Anna	Kuparinen	University of Jyväskylä, Finland
Seed group	Marcin	Penk	Trinity College Dublin, Ireland
Seed group	Kathryn	Schoenrock	NUIG, Ireland
Steering committee CHAIR	Siobhán	Egan	EPA, Ireland
Steering committee	Simon	Coulet	Water JPI Secretariat - ANR France
Non-TAP	Tiyani	Chauke	Water Research Commission, South Africa
Non-TAP	Matthew	Crowe	Director, EPA, Ireland
Non-TAP	Miguel Ángel	Gilarranz	Co-chair Water JPI – AEI, Spain
Non-TAP	Pablo	Gómez Grande	INIA, Spain
Non-TAP	Noreen	Layden	EPA, Ireland
Non-TAP	Heather	McKhann	FACCE JPI, INRA France
Non-TAP	Collette	Mulkeen	NUIG, Ireland
Non-TAP	Ana Maria	Murillo Abril	NUIG, Ireland
Non-TAP	Baya Barbora	Netolickai	Technology Agency of the Czech Republic
Non-TAP	Matthew	O'Hare	Centre for Ecology & Hydrology, UK
Non-TAP	Lisa	Sheils	EPA, Ireland



Annex 2: Programme

1st Water JPI Thematic Annual Programming (TAP) Action Workshop

Date: 12 June 2019. **Venue:** Ashling Hotel, Dublin.

09.30–10.00: Registration

10.00–10.10: Welcome to the 1st Water JPI Thematic Annual Programming (TAP) Action
Miguel Ángel Gilarranz, Water JPI Co-chair

Plenary Session: What Is the Water JPI TAP All About?

Chair: Miguel Ángel Gilarranz, Water JPI Co-chair

10.10–10.20: Aims of the Workshop and Agenda (Lisa Sheils, EPA, Ireland)

- What is TAP? – European network of national projects teams
- What does it mean for us?
- How will it work?
- So, what next?

10.20–10.50: FACCE JPI – TAP Soil experience

Pablo Gómez Grande, INIA, Spain

10.50–11.20: Q&A

11.20–11.40: Coffee Break

Plenary Session: Getting to Know Each Other

Chair: Heather McKhann, FACCE JPI, INRA France

11.40–12.10: 5-minute presentations on the national TAP projects

- “Complex eco-evolutionary dynamics of aquatic ecosystems faced with human-induced and environmental stress”: Anna K. Kuparinen, University of Jyväskylä, Finland.
- “Design of a methodology to increase flood resilience compatible with improved status of water bodies and sustainable management of water resources (DRAINAGE)”: José María Bodoque del Pozo, UCLM, Spain.
- “ESDecide: from ecosystem services framework to application for integrated freshwater resources management”: Mary Kelly Quinn, UCD, Ireland.
- “Ecosystem services and natural capital for the large Dutch water bodies”: Joost Backx, Rijkswaterstaat, the Netherlands.
- “Spatial and temporal flow intermittency in fluvial ecosystems: effects on structure, function and ecosystem services”: Vicenç Acuña, Fundació Institut Català de Recerca de l’Aigua Spain.
- “The diversity and resilience of kelp ecosystems in Ireland”: Kathryn Schoenrock, NUIG, Ireland.

12:10–12.15: Quick recap/questions – Siobhan Egan, EPA, Ireland

Network Discussion

12.15–12.45: Group discussion – group 1 TAP members and group 2 non-TAP members

- What clarifications on the aims and objectives of TAP are required?
- Identifying common grounds between the scope of projects.
- What support will be required?

12.45–13.00: Rapporteurs from the discussion and responses to clarifications/queries

13.00–14.00: Lunch Break

Network Discussion

Chair: Lisa Sheils, EPA, Ireland

14.00–15.15: Group discussion – group 1 TAP members and group 2 non-TAP members

- **Question 1: How** should the TAP work together? (face-to-face meetings/online forum/etc.).
- **Question 2: What** will the TAP produce? (discussion on the draft outputs of TAP).
- **Question 3: Who** will be our leader and his/her role? Elect a Scientific Co-ordinator.
- **Question 4:** Our **acronym**.

15.15–15.30: Coffee Break

15.30–15.45: Rapporteurs from the discussion and responses to clarifications/queries

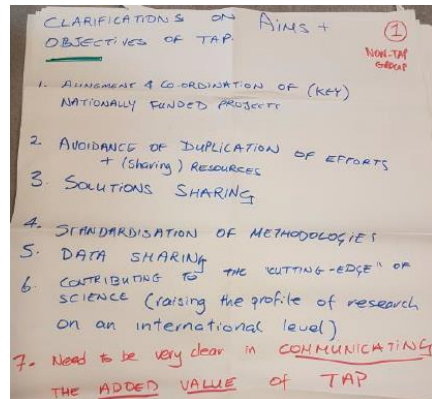
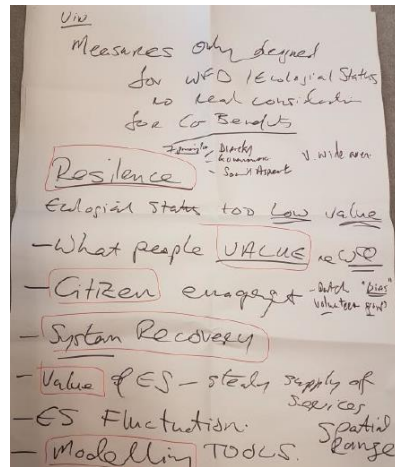
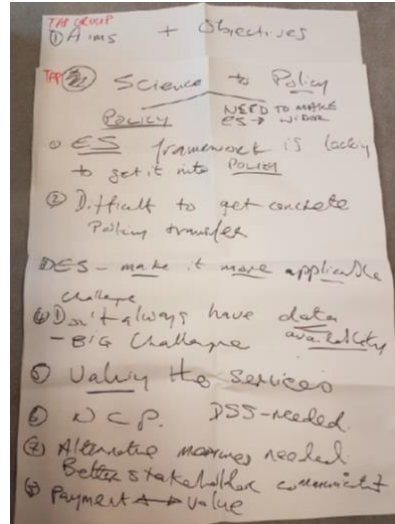
15.45–16.00: Next steps and towards the Implementation Plan – Lisa Sheils, EPA, Ireland

16:00–16.15: Closing thoughts by the Irish EPA Director Matt Crowe

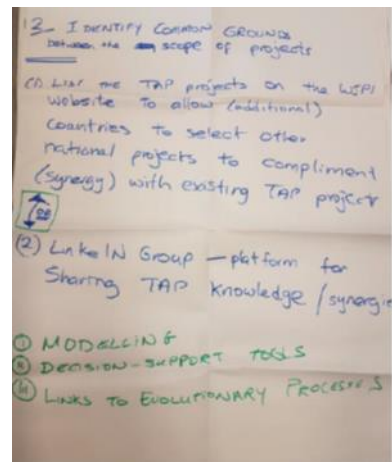
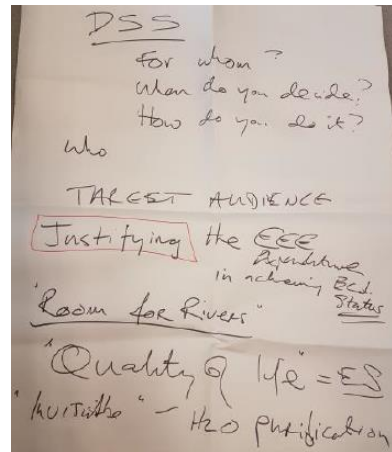
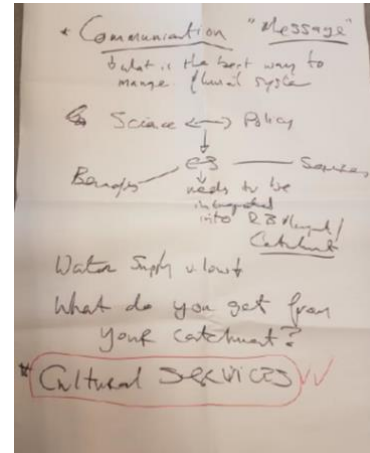
Annex 3: Group Discussions Session 1 and Session 2

Session 1: Flipchart sheets

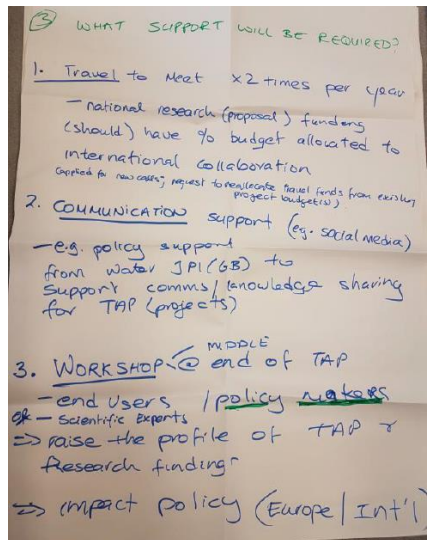
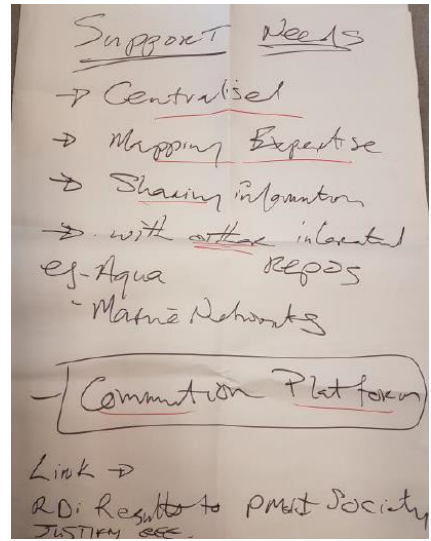
Aims and objectives	
TAP members	<p>Aims and objectives</p> <p>Science to policy</p> <p>Need to make ES wider:</p> <ol style="list-style-type: none"> 1. ES framework is lacking to get it into policy 2. Difficult to get concrete policy transfer 3. ES – make it more applicable 4. Don't always have data availability – big challenge 5. Valuing the services 6. NCP <i>NCP= Nature's Contribution to People</i> <p>DSS needed</p> <p>7. Alternative measures needed</p> <p>Better stakeholder engagement</p> <p>8. Payment and value</p> <p>Measures designed only for WFD/ecological status – no real consideration for co-benefits</p> <p><i>WFD = Water Framework Directive</i></p> <p>Resilience</p> <p>Ecological value at too low status</p> <p>What people value</p> <p>Citizen engagement</p> <p>System recovery</p> <p>Value of ES – steady supply of services – spatial range</p> <p>ES fluctuation</p> <p>Modelling tools</p>
Non-TAP members	<p>Clarification of aims and objectives</p> <ol style="list-style-type: none"> 1. Alignment and co-ordination of (key) nationally funded projects 2. Avoidance of duplication of efforts and sharing resources 3. Solutions sharing 4. Standardisation of methodologies 5. Data sharing 6. Contributing to the “cutting edge” of science (raising the profile of research on an international level) 7. Need to be very clear in communicating the added value of TAP



Communications	
TAP members	<p>Communications “message”</p> <p>What is the best way to manage a fluvial system</p> <p>Science – policy, to ES (benefits, services, needs to be integrated into RBM catchment)</p> <p><i>RBM = River Basin Management</i></p> <p>Water supply very low</p> <p>What do you get from your catchment</p> <p>Cultural services</p> <p>DSS – for whom?, when do you decide?, how do you do it?</p> <p>Who? – target audience</p> <p>Justifying money spent in achieving ecological status</p> <p>“Room for Rivers”</p> <p>Quality of life = ES</p> <p>Invisible – water purification</p>
Non-TAP members	<p>1. List TAP projects on the JPI website to allow (additional) countries to select other national projects to complement (synergy with) existing TAP projects and/or</p> <p>2. LinkedIn group – platform for sharing TAP knowledge/synergies</p> <p>i) Modelling</p> <p>ii) Decision-support tools</p> <p>iii) Links to evolutionary processes</p>

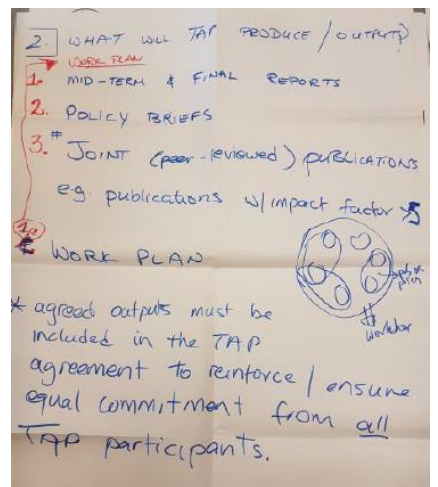
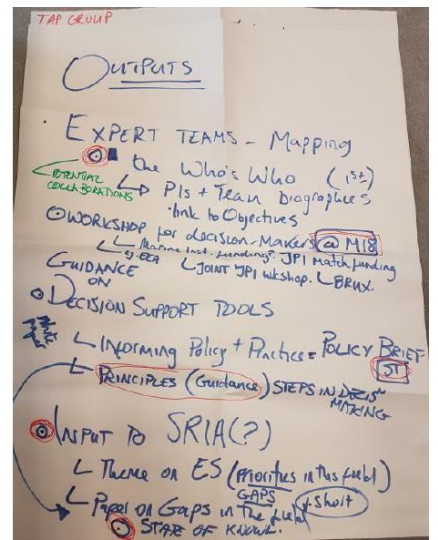
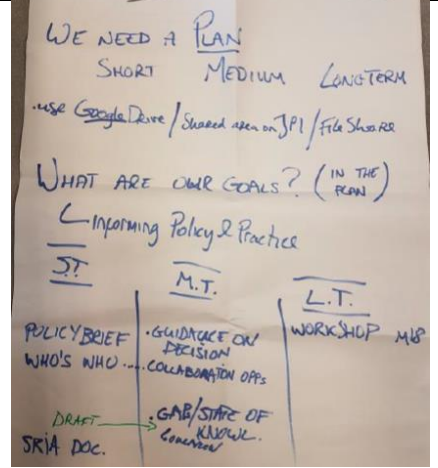


Support needs	
TAP members	<p>Centralised</p> <p>Mapping expertise Sharing information with other repositories (e.g. Aqua, marine networks)</p> <p>Common platform Link – RDI results to society, justify money spent</p>
Non-TAP members	<p>1. Travel – meet twice a year – national research (proposal) funding (should) have percentage budget allocated to international co-operation (applied for new calls, request to reallocate travel funds from existing project budgets)</p> <p>2. Communication support (e.g. social media), e.g. policy support from Water JPI (GB) to support communications/knowledge sharing for TAP (projects) <i>GB = Governing Board</i></p> <p>3. Workshop (middle and end of TAP): end-users/policy-makers, scientific experts. Raise the profile of TAP and research findings. Impact policy (Europe/International)</p>

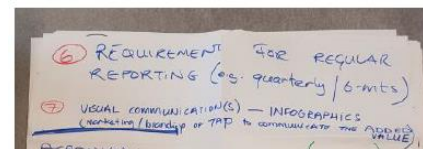
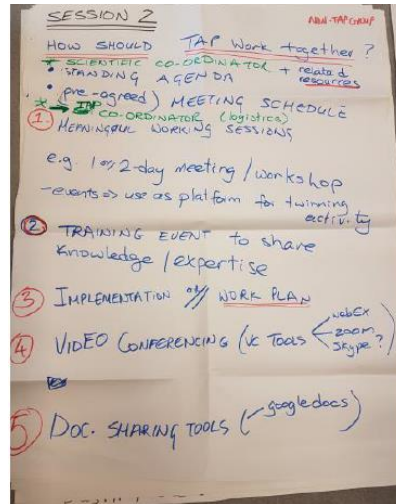


Session 2: Flipchart sheets

Outputs	
TAP members	<p>We need a plan – short/medium/long term</p> <p>Use Google Drive/shared Water JPI workspace/file share</p> <p>What are our goals? – informing policy and practice</p> <p>Short term – policy brief/who’s who/draft SRIA document</p> <p>Medium term – guidance for decision-making/shared collaboration opportunities/gaps – state-of-the-art knowledge review</p> <p>Long term – workshop (M18) <i>M18 = Month 18</i></p> <p>Outputs:</p> <p>Expert teams – mapping – who’s who – PIs and team biographies, link expertise to objectives – possible collaborations <i>PI = Principle Investigator</i></p> <p>Workshop for decision-makers at M18 – needs matched funding – joint JPI workshop</p> <p>Guidance on decision-making – informing policy and practice policy briefs – principles/guidance for steps in decision-making</p> <p>Input to SRIA (?) – theme on ES (priorities and gaps in this field) – paper on state of knowledge</p>
Non-TAP members	<p>What will TAP produce/outputs?</p> <p>Work plan:</p> <ol style="list-style-type: none"> 1. Mid-term and final reports 2. Policy briefs 3. Joint (peer-reviewed) publications, e.g. publications with an impact factor <p>Agreed outputs must be included in the TAP agreement to reinforce/ensure equal commitment from all TAP participants</p>



How we will work together?	
Non-TAP members	<p>How should the TAP work together? Scientific co-ordinator and related resources Standing agenda Pre-agreed meeting schedule Co-ordinator (logistics) 1. Meaningful working sessions, e.g. 1- to 2-day meeting/workshop Events = use as a platform for training activity 2. Training event to share knowledge/expertise 3. Implementation or work plan Video conferencing (video conferencing tools – WebEx, Zoom, Skype?) 5. Document sharing (Google Docs) 6. Requirement for regular reporting (e.g. quarterly/6 months)</p> <p>7. Visual communications (infographics, marketing/branding of TAP to communicate the added value)</p>



Acronym	
TAP	<p>Water Joint Ecosystem Services (WJES) TAPES ES TAP ESInform ?networks</p>
Non-TAP members	<p>1. TAP-EcoS TAPEcoS 2. TAP-ESS/TAPESS 3. EcoStAP 4. TAP-Water (TAPH₂O) 5. W2TAP 6. AquaTAP</p>

