



**Water Works 2014-2019 in Support of the Water JPI  
ERA-NET Cofund Action**



**WATER-3-2014: Stepping up EU research and innovation  
cooperation in the water area**

D 4.3

**Recommendations for future Calls**

(WP 4)

July 2018

| OUTPUT SUMMARY      |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Project Information |                                                                                    |
| Project Title:      | Water Works 2014-2019 in Support of the Water JPI                                  |
| Project Acronym:    | WaterWorks2014                                                                     |
| Call Identifier:    | WATER-3-2014: Stepping up EU research and innovation cooperation in the water area |
| Contract Number:    | 641715                                                                             |
| Starting Date:      | 01/02/2015                                                                         |
| End Date:           | 31/01/2020                                                                         |
| Web-Site Address:   | <a href="http://www.waterjpi.eu/">http://www.waterjpi.eu/</a>                      |
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|                     |                                                                                    |
| Deliverable Title:  | Recommendations for future Calls                                                   |
| Deliverable Number: | D 4.3                                                                              |
| Work Package:       | WP 4                                                                               |
| WP leader           | ISPRA                                                                              |
| Nature:             | Report                                                                             |
| Dissemination:      | Public                                                                             |
| Editor (s):         | Giuseppina MONACELLI, Maria Chiara SOLE, Anna DI NOI                               |
| Date of Delivery    | July 2018                                                                          |



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## List of abbreviations

AB = Advisory Board

CS = Call Secretariat

CSC = Call Steering Committee

EC = European Commission

EU = European Union

FORMAS = Swedish Research Council Formas

FPOs = Funding Partner Organisations

GA = Grant Agreement

ISPRA = National Institute for Environmental Protection and Research

NCPs = National Contact Points

RDI = Research, Development and Innovation

RPF = Research Promotion Foundation (Cyprus)

SRIA = Strategic Research and Innovation Agenda

WP = Work Package

## Executive summary

WaterWorks2014 responds to the Horizon 2020 (H2020) Societal Challenge 5 2014 Call topic Water-3 [2014]: *Stepping up EU research and innovation cooperation in the water area*. This ERA-NET Cofund represents a major step towards the planning and implementation of Water JPI activities, and aims at further reducing the fragmentation and dispersion of EU water-related Research and Innovation activities and supporting EU policies and initiatives in the field of water.

The aim of the 2015 Joint Call, carried out in the frame of the ERA-NET Cofund WaterWorks2014, was to enable transnational, collaborative research, development and innovation projects addressing questions related to the water challenges faced by European society. In particular, the Funding Partner Organisations (FPOs) wish to promote multi-disciplinary work, encourage proposals combining basic and applied approaches, stimulate mobility of researchers within the consortium and enhance collaborative research and innovation during the project's lifespan and beyond.

To assess the impact of funded projects, in line with the objectives of the Strategic Research and Innovation Agenda (SRIA) of the Water JPI, and to elaborate "recommendations for future calls", a specific task has been planned in order to "evaluate the impact of the call for proposals and its projects" on the basis of pre-established criteria for the general Impact Assessment of the Calls, such as the extent to which the 2015 Joint Call for proposals has been successfully implemented and the contribution to planning alignment.

## Introduction

With a pre-announcement in March 2015 and an announcement in May 2015, the 2015 Joint Call was launched. The call process involved several phases (pre-proposal submission step; eligibility check; final proposals - first step; final proposals - second step) and was concluded in November 2015, when the Call Secretariat (CS) on behalf of the Call Steering Committee (CSC) informed, via email, all Consortia Coordinators of the outcomes of the full proposals evaluation. At the end of the evaluation procedure, 16 projects were funded. Their Kick-off meeting was held in May 2016 in Rome (Italy), back to back with the Water JPI international conference.

In order to elaborate recommendations for future calls, a specific task has been planned within the Grant Agreement (GA) of the ERANET Cofund WaterWorks2014 to develop a retrospective evaluation of the 2015 Joint Call.

It is hereby specified that, during this phase, concerning the evaluation of the 2015 Joint Call procedure, even if planned in the GA, the WaterWorks2014 Advisory Boards (AB) were not involved. The AB will be directly involved in the next phase, the one concerning the impact assessment of the final results of the funded projects.

The first action of the above mentioned task was conducted immediately after the conclusion of the application process (between 2015 and 2016), when FORMAS launched a survey among all the Applicants.

The second action was conducted at the end of April 2018 (40 months later), when ISPRA, in order to collect further information on the 2015 Joint Call procedure, asked the 16 Coordinators of the funded projects to fill in a short questionnaire.

Finally, the third action started at the beginning of May 2018, when the Cyprus Research Promotion Foundation (RPF) organized a "Mid-term evaluation meeting" (held in Cyprus), to allow the Coordinators to present a progress report on their projects. During this phase, all

Coordinators, on the basis of their personal experience, highlighted both positive aspects and critical issues related to the entire 2015 Joint Call procedure.

The present Report is essentially based on the outcomes of the above mentioned actions. The survey to Applicants, the questionnaire to Coordinators, the Mid-term evaluation template and the list of the 16 funded projects can be found in their respective Annexes to this report.

## I. Water JPI 2015 Joint Call

This part refers to the outcomes of the preliminary impact assessment of the 2015 Joint Call, which was conducted as summarized in the sections below.

Section A reports the outcome of the retrospective evaluation of the call procedures conducted by the ANR through a survey submitted to all Applicants to the 2015 Joint Call. The survey itself was conducted by FORMAS as Leader of the task on Call Quality.

Section B reports the contribution given by the Coordinators of the 16 funded projects who were asked to fill in a short questionnaire prepared by ISPRA with the objective to collect further information on the basis of the answers and the experiences of the Coordinators.

Section C reports the outcomes of the Mid-term evaluation meeting, during which the RDI project evaluators, on the basis of the Coordinators' presentations of the project results and their general observation on the call procedures and management, compiled the information on generic issues and opportunities for the projects funded under the Joint Call 2015.

### A. Survey to Applicants

#### 1) General information

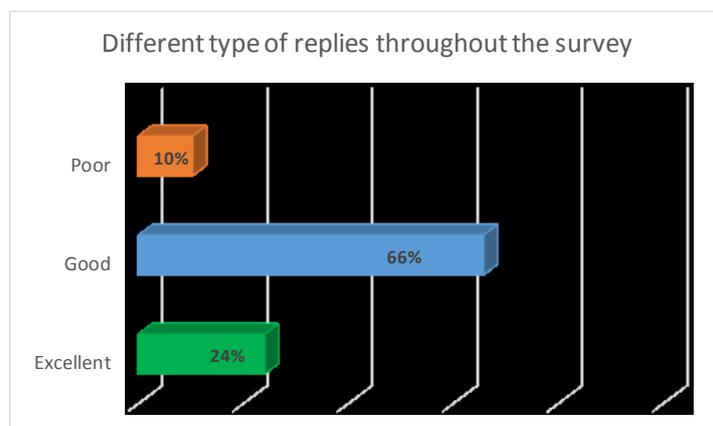
The Survey consisted of 18 questions, of which only the last one was an open-ended question (see Annex I). The closed questions had the aim of collecting information on the procedures, documents, templates and tools provided for the Call. The objective of the open-ended question was to receive a general suggestion by the Applicants on how to improve the procedures.

Overall, 124 Applicants participated in the survey, with:

- Around 60% who have been invited to Step 2
- Around 40% who have not proceeded to Step 2

#### Overall impression on the Joint Call

While suggestions have been made for general improvement, there were many positive feedbacks throughout the entire survey. Results of this survey are rather encouraging for future calls in the context of the Water JPI general procedures.



## *2) General positive feedbacks*

This part approaches general positive feedbacks made by several Applicants throughout the survey.

- Very good support from the Call Secretariat (CS), with quick and to the point answers on questions.
- Excellent support from several National Contact Points (NCPs).

## *3) Suggestions for improvements made by Applicants*

This part focuses on suggestions and proposals for improving future calls.

- Suggestions made by several applicants
- Suggestions made by a unique applicant

### *Water JPI webpage dedicated to the Call*

- Navigation should be improved, and links to other documents should be checked and be more visible.
- “Main details” should be detailed and “General information” should be reduced.
- Links to the National regulations and to National calls related to the WaterWorks2014 should be added.

### *Call Documents and Guidelines available online (Water JPI website – Call Webpages)*

- Information regarding the budgeting part should be detailed.
- The points that are evaluated should be better described.

### *Pre-Proposal Template*

- The pre-proposal template should be more detailed.

### *Understanding of the National Requirements*

- National requirements and annexes should be simplified and clarified for all Applicants.
- Part on “Funding levels” should be simplified.
- Information regarding participation of scientific partners from countries which are not participating financially should be detailed (at their own expenses / on their own budget).
- Templates and instructions on how to fill them out should be clarified, in particular regarding the amount of content and roles in the WPs of other partners to be included in the national phase proposal
- The national phase proposal should be presented after the outcome of the evaluation of the preliminary proposal.
- Financing programs between European countries should be harmonised to avoid too big differences in the themes of co-funding.

### *Feedback on the Eligibility Check*

- Feedback on the “Eligibility check” should be simplified, as they did not appear clear to the applicants.

### Feedback on the results of the call

- More detailed and objective comments should be provided by the Reviewers to the Applicants. Applicants stated that reviewers did not seem sufficiently briefed on the call.
- The maximum achievable score should be indicated in the call announcement and greater detail on the final consensus report given to the applying consortia.

### Support from the National Contact Point

- Simplify and clarify funding schemes and degree of acceptability.
- Improve the contact of some NCPs with the Applicants.

### Call Schedule and the Timeline

- Timeline should be reconsidered, in order for the applicants to have more time to work on the full proposal. Many applicants pointed out that timeline overlapped with summer holidays.

## **B. Questionnaire to funded Projects Coordinators**

### *1) General information*

At the end of the procedure of the 2015 Joint Call, [16 projects were selected for funding](#). In order to have further feedbacks and to formulate recommendations for future calls, a short questionnaire was sent to the Coordinators of these projects.

The questionnaire consisted of 6 questions, of which only the last one was open-ended (see Annex 2). The closed questions had the aim of collecting information on the structure and set up of the consortium (referring to additional national procedures), the research infrastructures used (if pre-existing or built for the proposal), and the procedures of the Call (documents, template, timelines and funding). Even if closed, those questions were formulated leaving the possibility to add any further information whenever needed. The objective of the open-ended question was to receive by the Coordinators a feedback on their personal experience in managing the 2015 Joint Call procedure.

Overall 13 of the 16 Coordinators completed the questionnaire and all the information has been collected, taking into account that:

- about 54% (7 coordinators) of the Coordinators manage projects that deal with only one of the three main themes of the 2015 Joint Call;
- about 46% (6 coordinators) of the Coordinators manage projects that deal with more subjects and/or sub-themes.

### *2) Overall feedbacks*

This part considers the overall feedbacks from the Coordinators who answered the questionnaire. The overall feedbacks collected have been substantially positive, as summarized below:

- The information provided and the call procedures were overall clear and efficient.
- The possibility of having a small sized consortium makes the whole project much more manageable.

### *3) Comments made by Coordinators*

This part focuses on all the comments useful to improve future calls. All the suggestions and proposals were deduced from the description of the personal experience of the Coordinators who answered to the open-ended question.

#### *Operation of the Water JPI Call procedures*

- Problems have been reported in the management of grants and significant delays in signing the individual funding contracts with some FPOs.
- Misalignment was noted between some of the templates for receiving the funds at national level and the templates used at European level.
- Proposals and project development should be evaluated at international level only.
- More support from the JPI to Coordinators in order to align the financing of the projects at national level is desirable.
- There is often a large difference in the funding levels among partners.
- The level of funding in some countries is rather low to support full time PhD students or post docs and in some case, the salaries of Coordinators.

#### *Funding Phase*

- The timings of the funding contracts of the FPOs are different; this can cause difficulties for some of the partners of international consortia in compliance with the deadlines.

#### *Research infrastructures utilized already existing*

- Pre-existing facilities (laboratory, instrumentation), institutes or universities with high research capabilities and previous collaborations in EU projects were taken into consideration to form the consortia. It would be desirable to emphasize in the Calls the importance of building new infrastructures and networks.

## **C. Mid-term evaluation of the research projects**

### *1) General information*

This part presents the monitoring phase and Mid-term evaluation of the RDI projects funded in the 2015 Joint Call. The monitoring and evaluation framework, which includes a defined set of performance indicators, was prepared on the basis of the national and H2020 criteria and approved by the Call Steering Committee. Simple reporting templates were made available to collect and analyze all the relevant information (see Annex 3 for more details). The Project Coordinators were asked to submit the Mid-term reports between summer of 2017 and spring of 2018, depending on the duration of their project. The Mid-term review meeting was held in Cyprus on May 8, 2018.

The overall feedbacks from the Coordinators were gathered in a document “Generic Issues and Opportunities - WaterWorks2014 Mid-term Evaluation Meeting of RDI Projects”, prepared by the three project evaluators present at the evaluation meeting.

## 2) Overall feedbacks

During the Mid-term evaluation meeting, the Coordinators expressed some issues shared among the research partners. Solving these issues could lead to significant benefits for the Water JPI.

In particular, the overall comments regarded the need to implement a funding model that is much more synchronized among the FPOs. This would imply an economic equity and more distributed opportunities within the consortium. Such model would better support the researchers in their activities and their mobility, and would allow the advance of the projects in accordance with the deadlines foreseen in the projects' timelines.

## II. Retrospective evaluation of the 2015 Joint Call

The overall aim of the Joint Programming process is to pool national research efforts in order to make better use of Europe's public R&D resources and to tackle common European challenges more effectively in a few key areas and, in a specific effort to reinforce international cooperation. Within the Water JPI, these efforts are focused on the R&D in water resource field. The 2015 Joint Call was the first cofunded Call among the ERA-NET Cofund instruments within the Water JPI, following the [2013 Pilot Call](#). It is important to take into account that this evaluation has been conducted to monitor the performance of the Calls procedure, referring to the general aim of the [Water JPI](#) and the specific objectives of the [ERANET Cofund WaterWorks2014](#).

Within this framework, the present preliminary call assessment was based on the three actions described in the previous chapter. This part presents the summary of the evaluation of the 2015 Joint Call procedures and documents, necessary to propose recommendations for future calls.

- Suggestions made by several applicants
- Suggestions made by a unique applicant

### General comments from the survey to Applicants

- Communication of financial requirements should be improved.
- More reviewers should be involved per proposal.
- JPI calls need to have more feedback to avoid the risk of poor transparency.
- Coordination with the national agencies should be improved.
- Administrative part of the procedures should be simplified.
- Same rules and more similar funding limits for different countries should be considered.
- Clarification on how the threshold is being set should be given.
- It would be useful to further integrate the national part and the demands in the general perspective.
- It would be useful to simplify overheads and budget rules.
- The communication with some NCPs should be improved.
- The full list of proposals should be announced.
- Applicants reported that it should be possible to be Coordinator in one application and partner in one or more other applications.

### Overall impressions and experience of the Coordinators

- The efficiency of contracting at a national level should be improved by harmonizing administrative procedures for all countries, which should result in all partners from all countries receiving updates, communications and their grants at the same time.
- It is necessary to adjust the timing for funded projects lasting less than the others (i.e projects 2 years long).
- It would be desirable to upload directly on the website all the information requested by the JPI.

### Observations from the Mid-term evaluation meeting made by the RDI project evaluators

- The timing and terms of funding should be aligned among the research groups within a Consortium. The delays in signing the national contracts adversely affect the project progress towards the project deliverables and milestones.
- Mobility among partners should be encouraged in order to share experiences and competences within the project.
- The added value of the multi-partnership outputs should be emphasised.
- Organization of additional dedicated events to facilitate information transfer between projects and for relevant stakeholders would be welcome.

### III. Conclusions and recommendation for future calls

Generally, most of the critical issues identified in the first and second action (Survey to the Applicants and Questionnaire to the Coordinators) were already taken into account in 2016, 2017 and 2018 Joint Calls. But a number of other issues still have to be improved, such as those related to the financing of the consortia and the support of the mobility among partners to facilitate exchange and collaborations between projects.

In particular, the discrepancy in terms and times of funding of partners from different countries belonging to the same consortium is a critical issue identified by most of the Coordinators. This criticality emerged from the personal experiences of the Coordinators, reported in the questionnaire and during the Mid-term evaluation meeting. In fact, grants have been awarded to each consortia partner by their national funding organizations according to national rules, procedures and timelines, with some researchers still awaiting the grant signing with their respective FPO. Furthermore, the introduction of a small bonus budget for collaborative activities between funded projects has been proposed by some Coordinators. However, its feasibility, within the definition of new procedures, needs to be examined in the appropriate fora.

On the basis of the overall analysis and taking into account the number of comments referred to the financing procedures, a further effort should be dedicated to the alignment of terms and timelines among the FPOs, in order to prevent difficulties in performing the project activities.

Moreover, it has been suggested that the templates for the requested reporting activities at the JPI level should be sent in advance to the Coordinators, facilitating the management of projects that end before the others.

In order to improve the future cofunded Calls and with a view to harmonizing their procedures, the identified issues and proposed recommendations should be taken into account by all FPOs participating in the Water JPI Calls.

## IV. Annexes

### *1) The template of the 2015 survey to all 2015 Call Applicants (SECTION A)*

Q1 How did you become aware of the WaterWorks2014 Call?

- WaterJPI Webpage
- Via the national funding agency
- Mailing dissemination
- Twitter Infoday
- Co-workers/colleagues
- Other

Q2 The Webpage dedicated to the Call was

- Excellent
- Good
- Poor

Q3 The Online Submission Platform was

- Excellent
- Good
- Poor

Q4 The Documents and Guidelines made available online were

- Excellent
- Good
- Poor

Q5 The Pre-Proposal Template was

- Excellent
- Good
- Poor

Q6 The understanding of the National Requirements (list of National Annexes made available alongside the Call Documentation) was

- Excellent
- Good
- Poor

Q7 The feedback on the Eligibility Check was

- Excellent
- Good
- Poor

Q8 The feedback on the results of the Call was

- Excellent
- Good
- Poor

Q9 The support from the Call Secretariat was

- Excellent

- Good
- Poor

Q10 The support from the National Contact Point was

- Excellent
- Good
- Poor

Q11 How was your consortium built? (More than one alternative is possible)

- I already knew all partners
- I knew some partners
- New partners were added via LinkedIn
- New partners were added by other networking tools

Q12 The partnering tool made available by the Call Secretariat (LinkedIn) was

- No opinion
- Excellent
- Useful
- Unusable

Q13 How did you hear from the Twitter Infoday

- WaterJPI Newsletter
- WaterJPI website
- Via the National Funding Agencies
- Did not know about it
- Other

Q14 The Twitter Infoday was

- Did not participate in the Twitter day/Do not have a Twitter Account
- Excellent
- Good
- Poor

Q15 The Call Schedule and the Timeline were

- Excellent
- Reasonable
- Unreasonable

Q16 My proposal has

- Not proceeded to Step 2
- Proceeded to Step 2

Q17 I am

- Coordinator
- Partner

Q18 In your opinion, how could we improve our procedures? (If not mentioned above)

*2) The template of the 2018 questionnaire to Coordinators of 2015 Call funded projects (SECTION B)*

Q1 Which 2015 Joint Call theme/themes were addressed by your project?

1. Research and Innovation for Developing Technological Solutions and Services for Water Treatment, Reuse, Recycling and Desalination:

- Developing low-energy, low cost, low chemical and high-efficiency technologies and processes for water treatment and desalination
- Developing water recycling technologies and concepts leading to the production of safe resources for reuse
- Developing innovative chemical/physical/biological tools to assess risks and to enhance the resilience of urban water systems
- Promoting innovative separation and extraction technologies in industrial areas to harvest resources from wastewater

2. Research and Innovation for Developing Technological Solutions and Services for Water Resources Management:

- Developing smart water technologies based on sensor networks and real-time information systems
- Promoting the interoperability of databases, sensors, and combined socio-economic and physical water models
- Developing methodologies for adaptive water management, using relevant study cases, scenario development, and uncertainty assessment
- Setting up innovative decision-making tools

3. Research and Innovation for Developing Technological Solutions and Services to Mitigate Impacts of Extreme Events (Floods and Droughts) at Catchment Scale:

- Innovative tools for protection from hydroclimatic extreme events, including nature-based solutions, sensor technology, systems for interpreting and communicating data, and monitoring networks
- Mitigating the harmful impacts of extreme events, implementing the concept of ecosystem services where possible
- Developing technological, and/or managerial and/or integrated risk management solutions to urban floods and

Q2 If you presented a project with partners from other countries, did you find any difficulties to set up the consortium? Y/N (If Y, in what?)

- National regulations for facilitating the pre-eligibility of partners by Coordinator
- National requirements such as submission of other documents to national platform for simplifying the process
- Other

Q3 Have you based/built your proposal on research infrastructures already existing? Y/N (If Y, which one? If N, why?)

Q4 Based on your experience, did the joint calls operate efficiently? Y/N (If N, in what?)

- Consider the alignment of internal programme procedures with the transnational initiative (criteria, calls, decision making, etc)
- Consider acceptance of joint call procedures at national level
- Consider coverage of the internationalisation aspects (i.e. projects not funded nationally)

Q5 Based on your experience, could the Water JPI Call procedures be improved by modifying one or more of the items listed below? Y/N (If Y, how?)

- Water JPI Webpage dedicated to the Call
- Call Documents and Guidelines
- Call Schedule and Timelines
- National requirements and annexes

Q6 Can you describe your personal experience by providing an overall impression of the whole 2015 Joint Call procedure?

### 3) *The template of the Mid-term review (SECTION C)*

#### WaterWorks2014 Cofunded Call

#### Mid-term Progress Report

Research and Innovation for Developing Technological Solutions and Services for Water Systems

#### Project Title & Acronym

This document must be filled in by the project coordinator with the help of its project partners and must be sent to the WaterWorks2014 Follow-up Secretariat by ~~xxxxxxx~~ (for consortium XXX).

The WaterWorks2014 Follow-Up Secretariat will ensure distribution to the concerned national funding agencies. The project coordinator is responsible for sending a copy of the report to its partners.

#### PROJECT TITLE AND ACRONYM

Author of this report (Coordinator):                      Date of submission:

E-mail:

Project Website:

Project code: WaterWorks2014-CONSORTIUM ACRONYM

Duration of project:

Start date:

End date:

**Period covered by this report:**

Publishable Summary

*Maximum 1 page*

The content of this section is intended for communication by Water JPI on the project, mainly through its website. Style should be adapted to communication to a wide audience (**non-technical** English) and quality must be suitable to enable direct publication.

The authors authorise this publication by Water JPI.

The publishable summary should provide the following information:

*The project context and objectives;*

*The main results achieved so far;*

*The expected final results and their potential impact and use (including the socio-economic impact and the wider societal implications of the project so far);*

*The address of the project public website, if applicable.*

Work Performed and the Results achieved during the reporting period

Maximum 10 pages.

Please attach any deliverables, milestones achieved during the reporting period to this report.

Scientific and technological progress

*Please describe the work performed and the results obtained during the period concerned, conformity of the work progress with the initial schedule.*

*Take into account the following aspects:*

*Has progress been achieved towards reaching the project objectives according to the original description and milestones? If not, please, explain the deviations.*

*Detailed update on methodology & results*

*How has the progress of the project promoted a multi-disciplinary work?*

Collaboration, coordination and mobility

*Is the collaboration between partners effective? Is the contribution of each partner clearly identifiable?*

*Please, indicate clearly those who performed the work (incl. also in-kind partners).*

*Are the coordination and organisation of the project efficient?*

*Please, indicate clearly those who performed the work (incl. also in-kind partners).*

*Please, describe the mobility of the researchers within the consortium.*

*Please indicate coordination with other projects funded in the WaterWorks2014 Cofunded Call or international projects funded by other instruments*

Impact and knowledge output

*Are the main impacts achieved?*

*Are there any unexpected impacts?*

*Where do the results of the project impact (e.g. industry, end users, policy, etc.)*

*Have the partners identified exploitable results?*

*Has intellectual property protection been considered?*

Table of Deliverables

Please indicate whether the planned deliverables have been completed, delayed or readjusted. Explain any changes, difficulties encountered and solutions adopted. Please add/delete rows, as necessary in the table below.

| Deliverable name | Lead partner (country) | Date of delivery (dd/mm/yyyy) | Comments |
|------------------|------------------------|-------------------------------|----------|
| WPI              |                        |                               |          |
|                  |                        |                               |          |
|                  |                        |                               |          |
| WP2              |                        |                               |          |
|                  |                        |                               |          |
|                  |                        |                               |          |
| WPX              |                        |                               |          |
|                  |                        |                               |          |
|                  |                        |                               |          |

Consortium Meetings

Please list below the Consortium meetings which took place during the reporting period, by filling in the table below. Add/delete rows as necessary in the table below.

| N° | Date | Location | Attending partners | Purpose/ main issues/main decisions? |
|----|------|----------|--------------------|--------------------------------------|
| 1  |      |          |                    |                                      |
| 2  |      |          |                    |                                      |
| 3  |      |          |                    |                                      |
| .  |      |          |                    |                                      |
|    |      |          |                    |                                      |
|    |      |          |                    |                                      |

Stakeholder/Industry Engagement

*Maximum 1 page*

Please indicate how stakeholders/industry have been involved in the project during the reporting period:

*Has the project succeeded to engage stakeholders/industry? If Yes, How? If No – why?*

*If applicable, please, describe the provision of data by stakeholders/involvement of industry and dialogue between the project and stakeholders/industry.*

*Has the cooperation between the consortium and industry/stakeholder partners influenced the project outcome(s) to date? If Yes, How? If No, why?*

*Outline the progress made towards achieving the project expected impacts*

*Have there been unexpected impacts to date?*

#### List of Publications produced by the Project - Open Access

Please list all presentations, posters, and the publications in scientific, peer-reviewed journals listed in Web of Science derived from this project, separating those in preparation, those in review and those accepted or in press.

You can provide websites and/or electronic copies of the key ones.

Please indicate all the co-authors for each publication.

Please order publications per date (chronologically) and for each year by alphabetical order

Metadata on all project publications are required to be submitted as part of the final reporting. Metadata submission can be done via the **OpenWaterJPI** Interface, which is available on the Water JPI website.

|               |                                         |                |
|---------------|-----------------------------------------|----------------|
| International | Peer-reviewed journals                  | 1.<br>2.<br>3. |
|               | Books or chapters in books              | 1.<br>2.<br>3. |
|               | Communications (presentations, posters) | 1.<br>2.<br>3. |

#### Open Data

In relation to Open Data, the funded projects have been requested to submit metadata on all the resources directly generated by the project, as well as additional information on how these data will be exploited, if and how data will be made accessible for verification and re-use, and how it will be curated and preserved.

Metadata on all project resources are required to be submitted as part of the final reporting. This can be done via the **OpenWaterJPI** Interface, which is available on the Water JPI website.

#### 4) List of the 16 funded projects

| Funded projects under the 2015 Water JPI Joint Call |                                                                                                                              |                                         |                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------|
| Acronym                                             | Title                                                                                                                        | Coordinator                             | Countries                                                        |
| WatInctech                                          | Smart decentralized water management through a dynamic integration of technologies                                           | Ignasi Rodriguez-Roda Layret (Spain)    | Spain, Italy, Denmark, Portugal                                  |
| Pioneer_STP                                         | The Potential of Innovative Technologies to Improve Sustainability of Sewage Treatment Plants                                | Juan M. Lema (Spain)                    | Spain, Italy, Denmark, Sweden, Spain                             |
| Biorg4Waste-WaterVAI+                               | Bioorganic novel approaches for food processing waste water treatment and valorisation: Lupanine case study                  | Carlos Alberto Afonso (Portugal)        | Portugal, Italy, Spain, Cyprus                                   |
| ACWAPUR                                             | Accelerated water purification during artificial recharge of aquifers - a tool to restore drinking water resources           | Jens Aarnand (Denmark)                  | Denmark, Spain, Sweden, Italy                                    |
| THE.R.BIO.R                                         | Thermal energy recovery from a novel sequencing batch biofilter granular reactor                                             | Franciso Javier Batlles Garrido (Spain) | Spain, Italy, Denmark                                            |
| DESERT                                              | Low-cost water DEsalination and SEnsor Technology compact module                                                             | Pietro Rubio (Italy)                    | Italy, Spain, Belgium                                            |
| MEPROWARE                                           | Novel methodology for the promotion of treated wastewater reuse for Mediterranean crops improvement                          | Alfieri Pollice (Italy)                 | Italy, Portugal, Spain                                           |
| PROGNOS                                             | Predicting in-lake responses to change using near real time models                                                           | Donal Pierson (Sweden)                  | Sweden, Ireland, Denmark, Norway, Israel                         |
| WE-NEED                                             | WATER NEEDs, availability, quality and sustainability Consortium Composition                                                 | Monica Riva (Italy)                     | Italy, Israel, Portugal, Spain                                   |
| IRIDA                                               | Innovative remote and ground sensors, data and tools into a decision support system for agriculture water management         | Diego S. Intrigliolo (Spain)            | Spain, Italy, Romania, Norway                                    |
| DOMINO                                              | Dikes and Debris Flows Monitoring by Novel Optical Fiber Sensors                                                             | Luca Palmieri (Italy)                   | Italy, The Netherlands, Spain                                    |
| INXCES                                              | INnovations for eXtreme Climatic EventS                                                                                      | Tone Merete Muthanna (Norway)           | Sweden, Norway, Netherlands, Romania                             |
| SIM                                                 | Smart irrigation from soil moisture forecast using satellite and hydro-meteorological modelling                              | Marco Mancini (Italy)                   | Italy, The Netherlands, Spain, China                             |
| MUFFIN                                              | Multi-scale urban flood forecasting: from local tailored systems to a pan-European service                                   | Jonas Olsson (Sweden)                   | Sweden, Denmark; The Netherlands, Finland                        |
| IMDRO-FLOOD                                         | Improving Drought and Flood Early Warning, Forecasting and Mitigation using real-time hydroclimatic indicators               | Sergio Vicente-Serrano (Spain)          | Spain, Portugal, Romania, Estonia, Rep. of Moldova, South Africa |
| STEEP STREAMS                                       | Solid Transport Evaluation and Efficiency in Prevention: Sustainable Techniques of Rational Engineering and Advanced Methods | Aronne A. Armanini (Italy)              | Italy, Sweden, Portugal                                          |