**WaterWorks2014 Cofunded Call**

**Final 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(s) 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:

Title of the Final Technical Report:

Authors of the Final Technical Report:

Please ensure that you do enclose the Final Technical Report as an Appendix to this report

### Publishable Summary

*Maximum 1 page*

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| --- |
| The content of this section is intended for communication by Water JPI on the project (incl. whole Consortium), 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 approaches used, methods and the work performed since the beginning of the project;*
* *The* ***results*** *and their scientific and socio economic* ***impact*** *and use;*
* *The address of the project public website, if applicable.*
 |

### Work Performed and the Results achieved within the Project

  *Maximum 10 pages*

#### Scientific and technological progress

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| --- |
| *Please describe the work performed and the results obtained during lifetime of the project, conformity of work progress with initial schedule. You can use the Executive Summary from your Final Technical Report here.**Did the project achieve its main objectives, milestones and deliverables?**All deliverables MUST be included as Annexes to this Report.**How did the project promote a multidisciplinary approach during its lifetime?* |

#### Collaboration, coordination and mobility

*Please indicate clearly who performed the work.*

*Describe how effective was the collaboration between partners (incl. in-kind partners).*

*Were the coordination and organisation of the project effective? Please explain*

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

*How did the project and/or researchers’ careers benefit from the mobility 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?*

*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?*

#### Which WaterWorks2014 Call theme/themes were addressed by the project? How did the project cover the main aims & objectives of the Call?

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; and

• 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; and

• 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; and

• Developing technological, and/or managerial and/or integrated risk management solutions to urban floods and droughts.

#### Is the collaboration between Consortium partners expected to continue after the funding period? If yes, please describe how.

### Table of Deliverables

Please indicate whether the planned deliverables were completed, delayed or readjusted. Please explain any changes, difficulties encountered and new solutions adopted. Please add/suppress fields if necessary in the table below.

| **Deliverable name** | **Lead partner (country)** | **Date delivered****(dd/mm/yyyy)** | **Comments** |
| --- | --- | --- | --- |
| **WP1** |  |  |  |
|  |  |  |  |
|   |  |  |  |
| **WP2** |  |  |  |
|  |  |  |  |
|  |  |  |   |
| **WPX** |  |  |  |
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### Consortium Meetings

 Please fill in the table below, add/suppress fields as necessary in the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| N° | Date | Location | Attending partners | Purpose |
| **1** |  |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
| **.** |  |  |  |  |
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### Stakeholder Engagement

On the basis of sentences below (from the Call Announcement), please describe how stakeholders have been involved in the project.

*“Participation of stakeholders (i.e. small and medium enterprises (SMEs), industries, authorities, public administrations, associations, as well as civil society organizations) is encouraged.”*

*“Proposals should build on on-going research activities at EU level and in the participating member states. They should describe opportunities and initiatives for cooperation with these activities.”*

What has been the added value of the stakeholders’ engagement to the project’s results?

### Impact Statement

On the basis of sentences below (from the Call Announcement), please, describe the impacts resulting from your work:

*“Cross-cutting issues such as socio-economic and/or capacity developing aspects (contributions to standards and norms) constitute an added value to RDI in this field.”*

Please, describe any other (unexpected?) impact the project has made.

### Knowledge Output Transfer

For each of the Knowledge Output arising from the project, please complete the following table.

|  |  |
| --- | --- |
| Short Title*Please provide a short and concise title to describe the Knowledge Output* |   |
| Knowledge Output Description*Please only include generated Knowledge Outputs, not those that are expected. Note: Knowledge Outputs can be non-deliverables, milestones or ‘grey knowledge’. Also, multiple Knowledge Outputs could exist within one deliverable, and should be separated.**Try to give a comprehensive description, making the Knowledge Output fully understandable to a non-expert.**If relevant please provide detail of where the Knowledge Output differs from its equivalent, e.g. What are the key characteristics of the Knowledge Output? What research is it adding to and what is innovative about the Knowledge Output? (Max 500 characters).* |   |
| Knowledge Type | Please choose one option – delete the rest:\* exploitable scientific result\* scientific publication\* report\* book/review\* RTD protocol/technical manual\* guidelines/standards\* training activity/learning module\* software/modelling tools\* product\* prototype\* services/tools\* multimedia\* data\* other |
| Link to Knowledge Output*If you can provide a link to the Knowledge Output then please do so, e.g. digital object identifier (DOI), web address, download, research paper.**If the Knowledge Output is not publicly available currently but will be in the future, please provide details. Also, if it is available but only upon request, please state this.**If the Knowledge Output is not planned to be publicly available, please state "Not available for public".* |   |
| Sectors & Subsectors*Choose as many options as required from the list. Pick those sectors that you think would benefit from the application of this Knowledge Output.*  | * Basin Management
* Flood Risk Management
* Water Scarcity and Droughts
* Drinking Water
* Bathing Water
* Emissions and Water Reuse
* Adaptation to Global Change
* Others
	+ Other General
	+ Agriculture
	+ Governance
	+ Consumer Health & Welfare
	+ Finance
	+ Modelling & Prediction
	+ Socio-Economics
	+ Stakeholder Involvement

  |
| End User*Choose as many options as required**Per identified End User, please identify possible applications of the Knowledge Output.*  | o Education & Trainingo Environmental Managers & Monitoringo Industryo Policy Makers / Decision Makerso Scientific Communityo Civil Societyo Other  |
| IPR*Please indicate whether IPR has been applied to this Knowledge Output (applied for a patent, copyright etc), or not.**Please insert "n/a" if no IPR has been applied.* |   |
| Policy-RelevanceIf the Knowledge Output is relevant to the WFD or any other related Directives, please list and explain why |   |
| Status*Please identify whether the Knowledge Output is finalised, is still being generated or whose status/future is unknown. Consider:**• Is your knowledge conclusive enough that it provides sufficient evidence to make an impact on, or be applied by, an End User?**• Is there a corroborating body of evidence, or are contradictory results, available?**• Does your knowledge progress beyond the current state-of-the-art / evidence base?**• Is more research or demonstration needed to validate the results?* |   |

### Open Data

In relation to Open Data, the funded projects were 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 were required to be submitted via the **OpenWaterJPI** Interface, which is available on the Water JPI website.

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

* Please list all oral presentations, posters, and 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 web sites 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 were required to be submitted via the **OpenWaterJPI** Interface, which is available on the Water JPI website.

A synthesis is required to be part of the final reporting.

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| --- | --- | --- |
| International | Peer-reviewed journals | 1.2.3. |
| Books or chapters in books | 1.2.3. |
| Communications (presentations, posters) | 1.2.3. |
| National(separate lists for each nationality) | Peer-reviewed journals | 1.2.3. |
| Books or chapters in books | 1.2.3. |
| Communications (presentations, posters) | 1.2.3. |
| Dissemination initiatives | Popularization articles | 1.2.3. |
| Popularization conferences | 1.2.3. |
| Project Website |  |
| Others  | 1.2.3. |

### Personnel

List all staff and students supported by or affiliated with this project

Please provide the following details for each staff member/student supported by this project:

\_\_\_\_ Please indicate the number of students involved

1. Student Name:
2. Major/Degree field:
3. Degree (Ph.D., M.S., M.A., B.S., B.A., etc):
4. Dissertation/Thesis title: