

PROGRESS ON WATER JPI

WATER JPI IMPLEMENTATION PLAN 2017-2019

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DROPLETS

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OPPORTUNITIES

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WATER JPI IMPLEMENTATION PLAN 2017-2019

The Water Joint Programming [Implementation Plan 2017-19](#) was en subdivisionlaunched during the Water JPI Advisory Boards meeting in Dublin on the 23rd March 2017. This document provides a roadmap for the upcoming planned Water Joint Programming Initiative activities. It will be refined and adjusted as the initiative progresses towards meeting its six objectives set out in the 2020 vision document. The Implementation Plan specifies which of the RDI needs, identified in the Water JPI Strategic Research and Innovation Agenda ([SRIA](#)) version 2.0, will be instigated via the Water JPI joint activities.

The Implementation Plan also recommends that RDI needs to be implemented via other european Union funding programmes (e.g. Horizon 2020, LIFE, COST, etc.). The Implementation Plan adds to the visibility of the Water JPI and informs policymakers, RDI ministries, RDI Programme



Water Joint Programming Initiative

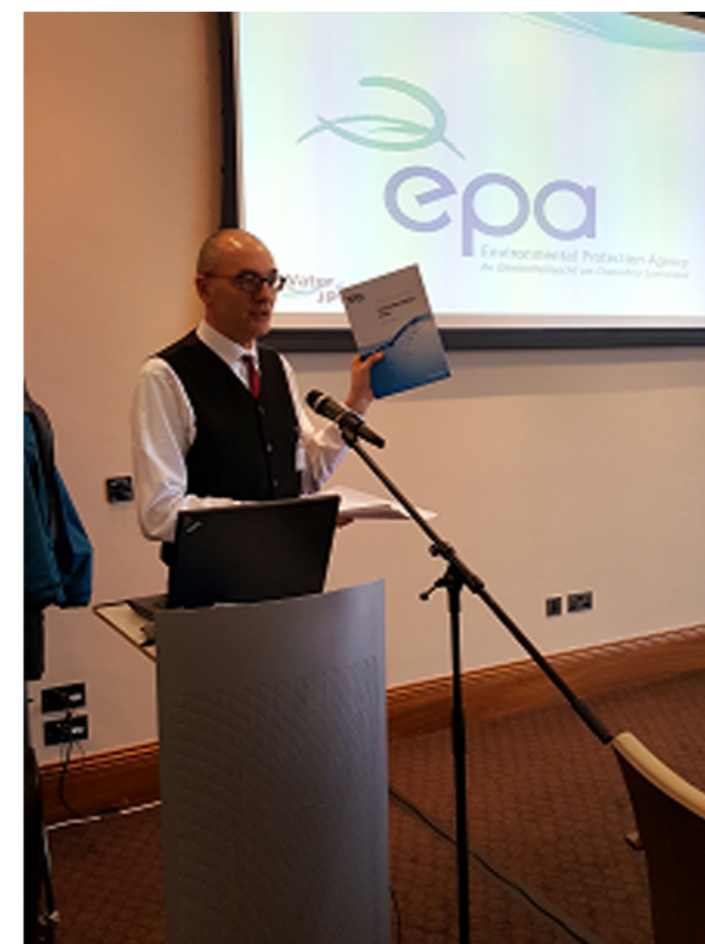
Implementation Plan

2017–2019



owners and managers, RDI performers, and society how the Water JPI will tackle water challenges in the period 2017–2019. In addition, it is a guide for researchers and innovators interested in participating in Water JPI activities.

The Water Joint Programming Implementation Plan 2017-19 was launched during the Water JPI Advisory Boards meeting in Dublin on the 23rd of March 2017.



WATER JPI KNOWLEDGE HUB 1ST WORKSHOP 22 MARCH 2017

The first Water JPI Knowledge Hub workshop was held in Dublin last March 22nd. The workshop started with an analysis of another knowledge hub experience, [Macsur – FACCE JPIs knowledge hub](#), which focused on the strengths and weaknesses of the establishment and running of their knowledge hub. This was followed by three breakout discussion sessions, where the 27 attendees analysed different key points related to the financial models to adopt, the impact and

dimension of the knowledge hub, the expected outputs and the different options for nomination and selection processes and stakeholder involvement. The workshop proceedings will soon be available on the Water JPI intranet.



Finally, the two Advisory Boards were also consulted on i) the draft Work Programme 2018-2020, vs. the previous scoping paper; vs. the Water JPI SRIA; and ii) the proposed outputs from the knowledge hub arising from the previous

workshop, allowing further development on the stakeholder involvement in its development.



WATER JPI - UN SUSTAINABLE DEVELOPMENT GOALS WORKSHOP 24 MARCH 2017

The workshop on the UN Sustainable Development Goals ([UN SDGs](#)) related to water challenges was organised on March 24th in Dublin, Ireland. This event gathered 44 people from different stakeholder communities: interested research funding agencies, national experts and UN institutions.

The workshop attendees discussed Water JPI activities in relation to UN SDGs in order to define the call content for the 2017 joint call for R&I

proposals and, when new RDI gaps are identified, they will be included in updates to the [Water JPI SRIA](#). The 5 core themes of the SRIA were found to be very relevant, but could be amended to better reflect the global water challenges in their title and in the description of the RDI needs. The audience suggested the international dimension and support of gender balance could be represented better in the themes.

WATER JPI ADVISORY BOARDS MEETING 23 MARCH 2017

On 23rd of March in Dublin, the Water JPI Advisory Boards' Meeting took place. The two Advisory Boards are composed of the Scientific and Technological Board (STB) and the Stakeholder Advisory Group (SAG), who met to discuss how to develop their strategic role in the Water JPI Activities. The STB focused on the 2016 ESFRI roadmap and the development of the cooperation between Water JPI and [COST](#)

[Association](#). Moreover, the presentation of the Deltares [Aqua Monitor](#) project was an occasion to discuss the needs of integrating environmental monitoring tools from earth observation to local measurements tools. The SAG discussion group was focused on the elaboration of Water JPI showcases for SAG and identification of topics for possible policy-briefs and innovation factsheets. .



WATERJPI WATERWORKS2015 ON-LINE BOOKLET OF THE 2016 JOINT CALL FUNDED PROJECTS



On the Water JPI website the online [booklet of the 2016 joint call](#) funded projects is now available. Under the joint call supporting research on the sustainable management of water resources in agriculture, forestry and freshwater aquaculture sectors, 21 projects were selected for funding. The online booklet provides information on the funded projects including details about the coordinators and partners of the projects, their Institutions as well as of the abstracts, the implementation plans and the outcomes and deliverables foreseen.

The creation of the online booklet was possible thanks to the active participation by the project coordinators.

The kick-off of the projects was held on April 6th 2017 in Stockholm.

TACKLING WATER CHALLENGES ON A GLOBAL SCALE

Natural Sciences and Engineering Research Council of Canada ([NSERC](#)) is pleased to announce its support for water research taking place not only within our own borders but also on a global scale. NSERC is the Canadian funding partner organization, alongside the International Development Research Centre ([IDRC](#)), supporting six international research collaborations through the [Water Joint Programming Initiative](#). The projects will focus on the sustainable management of water resources in agriculture, forestry and freshwater aquaculture.

INTERNATIONAL WORKSHOP ON RDI COOPERATION DEVELOPMENT FOR TACKLING GLOBAL WATER CHALLENGES

The workshop, Tangier, Morocco 31 March 2017, was a fruitful occasion for presenting the state-of-art on several cooperation projects for possible synergies with Water JPI activities: [ARIMNet2](#), [ERANETMED](#), [PRIMA](#), [LEAP-AGRI](#), [AfriAlliance](#). Two interactive sessions on the

inter-linkages among Water JPI research themes and the regional needs and on the possible way to cooperate at regional level and beyond facilitated the exchange of ideas and experiences among the numerous representatives from african and mediterranean countries.



WATER JPI ATTENDED “DIGITAL MAPPING AND ACTIVE CITIZENSHIP: NEW FRONTIERS WATER RESEARCH ENVIRONMENTAL SUSTAINABILITY AND SCIENTIFIC DISSEMINATION”



The [Conference](#), organized in Perugia on March 15th by the [WARREDOC](#) (Water Resources Research and Documentation Center - Università per Stranieri di Perugia) in collaboration with Alta Scuola, #Italiasicura, INU, UNESCO WWAP, ISPRA, among others, had as main subject the importance of water science and the active and informed citizenship for environmental sustainability. This innovative workshop, part of the [#wateropenday](#) project, aimed to develop a [social media campaign](#), to disseminate tweet-

style messages composing the [#Watermanifesto](#), an experimental communication tool aiming to address the existing gap between science, research and citizens for public involvement, citizen awareness and participation to face global water challenges. The [#Watermanifesto](#) social campaign was launched during [#Worldwaterday2017](#). ISPRA presented the WATER JPI keywords and hashtags.

DROPLETS

PRIMA - EU TO WORK WITH MEDITERRANEAN PARTNERS ON RESEARCH AND INNOVATION – INFORMAL DEAL WITH EP



Partnership for Research and Innovation in the Mediterranean Area

The Maltese presidency today struck a provisional deal with the European Parliament on the participation of the EU in a partnership to develop innovative solutions for sustainable water provision and management and food production in the Mediterranean region. The initiative, known as [PRIMA](#) (Partnership for Research and Innovation in the Mediterranean Area), will pool the know-how and financial resources of the EU and participating states. The partnership currently involves nine member states: Cyprus, Germany, Greece, Spain, France, Italy, Luxembourg, Malta and Portugal; and six non-EU countries: Egypt, Jordan, Israel, Lebanon, Morocco and Tunisia.

The EU's participation will include a contribution of €220 million from its framework programme for research and innovation, the "[Horizon 2020](#)" Programme.

"The PRIMA partnership will help improve the health and livelihoods of those living in the Mediterranean region. It is also expected to encourage economic growth and stability in the longer-term," said Chris Agius, the Maltese Parliamentary Secretary. "Today's agreement in just one trilogue meeting means that PRIMA can be operational in early 2018, as planned." The presidency will submit the outcome of the talks for approval by member states in the coming weeks.

A WORLD WATER DAY -22 MARCH 2017



The World Bank and the [World Water Day](#) -22 March 2017: Take Action around the World to Tackle a Water Crisis.

The World Bank celebrated the World Water Day around the world.

LAUNCH OF THE 2017 UN WORLD WATER DEVELOPMENT REPORT

The 2017 edition of the United Nations World Water Development report, entitled "[Wastewater: The Untapped Resource](#)", demonstrates how improved wastewater management generates social, environmental and economic benefits essential for sustainable development.

In particular, the report seeks to inform decision-makers, government, civil society and private sector, about the importance of managing wastewater as an undervalued and sustainable source of water, energy, nutrients and other recoverable by-products, rather than something to be disposed of or a nuisance to be ignored.

WATER STRATEGY FOR THE MEDITERRANEAN IN THE FRAME OF THE MALTESE PRESIDENCY OF THE COUNCIL OF THE EUROPEAN UNION – APRIL



[The presidency of the Council](#) rotates among the EU member states every 6 months. From 1st January to 30th June the [Maltese presidency](#) priorities are driven by the objective to restore trust in the EU, need for a dialogue and reflection on the EU's future as well as the pertinent issues relating to migration, security and economy according to the [national Programme](#). The EU Council Presidency will organise a meeting of the Union for the Mediterranean in April. The aim is to adopt a Water Strategy for the Mediterranean. In the same month, they will organise an informal meeting of the Ministers of the Environment of the Council of the EU where they will address climate change adaptation, ocean governance and environmental policy, environmental issues such as marine litter and the new plastic strategy in the wider context of the circular economy.

GLOBAL FLOOD RISK TO INCREASE FIVE-FOLD WITH A 4°C TEMPERATURE RISE

A new [Joint Research Centre report](#) looks at flood risk and economic damages under different global warming scenarios with 1.5°C, 2°C, and 4°C temperature increases. It concludes that, if global temperatures rise by 4°C, the flood risk in countries representing more than 70% of the global population and of the global GDP will increase by more than 500%. This research presents a global assessment of the economic

costs and the population affected by river floods under different global warming scenarios. The research team analysed a selection of high-resolution climate projections and simulations, and assessed the frequency and magnitude of river floods and their expected impacts under future scenarios.

ITALY PROMOTES AND HOSTS THE GLOBAL RIVERS CONFERENCE BY THE END OF THE 2017

The Italian Minister of Environment Gianluca Galletti, during the celebrations of the [World Water Day](#) held every year on 22 March, announced that Italy will host the first World Conference on Rivers by the end of 2017. The conference will bring together the experiences of the major rivers of our planet, both in terms of protection and valorization. "Rivers are a source of life and identity. They are also vectors of peace, dialogue, and community development", Galletti said.



AQUA MADRE

Ahead of the conference, Italy will launch Aquamadre project, a new internationally recognised brand which will showcase the initiatives that the Ministry of the Environment will develop. "There is a common thread that connects Po to Mississippi, the biggest rivers of the world with the smallest streams in Italy. The conference will be an opportunity to make us feel part of the same endeavour", Galletti explained.

OPPORTUNITIES

CALL FOR PAPERS 20-22 JUNE 2017, LESAM 2017, TRONDHEIM, NORWAY

The call for papers for the seventh [IWA Leading Edge](#) Conference on Strategic Asset Management of water and waste water infrastructures (LESAM) is now open.

Themes for LESAM 2017 include: best practices in Integrated Asset Management (IAM); risk assessment and resilience and the link to IAM Organisational implementation; advanced data management and information technologies system implementation; innovative technologies for condition monitoring and assessment and modelling solutions; advanced economic modelling and improved accounting methods for costs and benefits; and a better understanding of what consumers expect. The conference will be jointly organised by IWA, the national association Norwegian Water, the municipality of the city of Trondheim and the Norwegian University of Science and Technology (NTNU).

26-29 JUNE, QINGDAO, CHINA - INTERNATIONAL CONFERENCE ON WATER RESOURCE AND ENVIRONMENT

It is possible to submit papers now for the 3rd International Conference on Water Resource and Environment ([WRE 2017](#)), which takes place in Qingdao, China (26-29 June). Based on the summary and discussion of previous conferences, WRE 2015 in Beijing and WRE 2016 in Shanghai, WRE 2017 will provide an ideal academic platform for researchers and scholars from all over the world to present, share and exchange their latest findings about water resource and the environment. The plenary session of WRE 2017 will include keynote speeches, invited speakers, poster presentations and oral presentations.

18-20 JULY PRAGUE, CZECH REPUBLIC WATER RESOURCE MANAGEMENT 2017

The call for papers is now open. The [ninth International Conference](#) on sustainable water Resources management will present recent technological and scientific developments associated with the management of surface and sub-surface water resources. The conference provides a platform for professionals involved in water resources management to exchange knowledge and gain an insight into the state of the art in current technologies, techniques and solutions in sustainable water management as they have been developed and applied in different countries. Participants include a wide variety of stakeholders from research and academia to industrial sectors as well as government organisations.

WATER SECURITY AND CLIMATE CHANGE CONFERENCE 2017 COLOGNE, GERMANY 18-21 SEPTEMBER 2017

Abstracts can be uploaded for the [WSCC 2017](#), the conference organised by the Centers for Natural Resources and Development – [CNRD](#) (TH Köln), the International Network on Sustainable Water Management in Developing Countries - [SWINDON](#) (TU Braunschweig) in cooperation with Food Security Center - [FSC](#). WSCC 2017 follows the successful conference [WSCC 2016](#) at the Asian Institute of Technology in Bangkok, which united over 150 experts. Achieving water security is one of the major challenges faced by society on both a global and local level today. Building bridges between disciplines, sectors and different groups of stakeholders, the conference will serve as a platform for discussions towards water secure societies.

WSCC 2017 provides a stimulating environment with the intention to yield innovative ideas and grounds for implementation.

Abstract submission link and further information is available at www.cnrdr.info/wsc2017.

[ENVRIPLUS](#) projects launched an Exchange of Personnel (EoP) program to enhance cross-RI mobility of involved RI staff. This program will help disseminating the know-how of RI specialists and provide practical hands-on experience on the operation procedures.



The exchange can take the form of short stays in the RI, organised either on a unilateral (1 RI related person goes to another RI related organisation), bilateral (between two RI related persons), or on trilateral basis (involving 3 RI related institutes and 3 staff persons in total). There are different opportunities and deadlines within 2017.

[THE COTE](#) Cluster of Excellence organizes its fifth Summer School, this year focusing on “Weak signals and emerging issues in ecological transition” in Bordeaux, France. Due to technical difficulties encountered on the registration platform, the application deadline has been postponed. New application deadline is 23 April 2017.





EVENTS

THE EGU GENERAL ASSEMBLY 2017 VIENNA, 23-28 APRIL 2017

The Groundwater Subdivision covers a variety of research themes and applications involving flow and transport processes in porous and fractured media. The dynamics associated with flow and transport scenarios in these environments are subtle and ubiquitously complex. They involve a very wide range of physical, chemical and biological processes and span an astonishingly broad range of spatial and temporal scales. Addressing heterogeneity in all its manifestations is a key challenge in this framework. This year [eight sessions](#) (for a total of 160 contributions) have been organized within the Groundwater Subdivision. These sessions are aimed at providing an opportunity for specialists to exchange information and to introduce the general hydrological community to existing and novel alternative (conceptual and mathematical) models to approach subsurface flow and transport, with critical and timely applications to environmentally and industrially relevant settings.

GLOBAL WATER SUMMIT 2017: INTELLIGENT SYNERGIES, MADRID, SPAIN 24 - 25 APRIL 2017

[This year edition](#) will explore how the connections at the edges of the sector can give fresh perspective on the roadblocks to growth. The digital revolution means that utility business models are evolving. Data is empowering the customer and the developing world, disrupting the traditional dynamics of the water industry. Meanwhile, the age of the 'smart' and 'liveable' city has made water an intimate bedfellow with other environmental services such as waste and energy. New questions are being asked of the world of water:

- Uber, Airbnb and Amazon have revolutionised transportation, accommodation and commerce, industries all based on fixed assets. Who will bring this to the water sector?
- With new actors showing interest in the water sector, its borders are losing definition. Is sludge management a water business, an energy business or a waste business?
- Politicians across the globe are seeking to restrict the movement of goods and people. How can we ensure that money and innovation continue to flow to where they are needed most?
-

INNO INDIGO & INDIGO POLICY FINAL SHOWCASING EVENT BRUSSELS, BELGIUM, 26 APRIL 2017 BREAKING GROUNDS IN RESEARCH AND INNOVATION THROUGH INDO-EUROPEAN PARTNERSHIPS

The final results of the projects [INDIGO POLICY & INNO INDIGO](#) (2013-2017) will be presented at [this event](#), which will also include discussions with a panel of high profile European and Indian experts in the field of science, technology and innovation.

2017 WORLD HYDROPOWER CONGRESS ADDIS ABABA, ETHIOPIA 9-11 MAY 2017

Leaders and specialists from government, industry, finance, UN agencies, academia and civil society will gather in [Addis Ababa](#) to set the course for hydropower development over the coming decade.

With installed hydropower capacity set to more than double by 2050, ensuring sustainable development remains a priority. Initiatives from government, business, finance and civil society can converge to help deliver better hydro and, ultimately, better development for all.

The [UN Sustainable Development Goals](#) and the [Paris Agreement](#) will provide a powerful backdrop to the discussions.

The congress aims to ensure that hydropower can make the greatest possible contribution to achieving the UN Sustainable Development Goals and other international milestones, while managing the challenges of a changing climate.

4TH ISTANBUL INTERNATIONAL WATER FORUM WATER & PEACE ISTANBUL, TURKEY 10-11 MAY 2017

The world is witnessing an unprecedented rise in the number of people fleeing wars and conflicts. The impacts of displacement are felt both in conflict zones and host countries. Within the wider context of “Water and Peace”, the [4th IIWF](#) will discuss the subjects of urban water management, financing mechanisms, water related relief actions, legal aspects and implementation of the Sustainable Development Goals (SDGs), with a specific focus on the refugee issue. There will be ample exchange of experiences and success stories on the challenge of providing water and sanitation services to refugees in host countries.

IWA PERFORMANCE INDICATORS CONFERENCE VIENNA, AUSTRIA 15-17 MAY 2017

Every two years the [IWA](#) Benchmarking and Performance Assessment Specialist Group ([BPA SG](#)) organise a conference to present experiences and to learn about other benchmarking and assessment projects around the world. The PI Conference is also a traditional forum where ideas and methodologies are exchanged. The next PI Conference will be hosted by the International Association of Waterworks in the Danube River Catchment Area ([IAWD](#)) from 15 – 17th May 2017 in Vienna.

BLUETECH FORUM 2017, WATER & THE 4TH INDUSTRIAL REVOLUTION DUBLIN, IRELAND 6-7 JUNE 2017

[This year's edition](#) will focus on Water and the 4th Industrial Revolution. This will consist of a series of roundtables briefings, key notes and case studies will illustrate how the future of the water sector is being shaped and changed by the broader mega trend of the 4th Industrial Revolution, and what our strategy should be to adapt and thrive in this environment. The combination of high level networking with industry thought leaders and access to unique BlueTech market insights form the basis for the carefully crafted agenda.

WATER INNOVATION EUROPE 2017, BRUSSELS BELGIUM 14-15 JUNE 2017

The 2017 edition of [Water Innovation Europe](#) is scheduled to take place in Brussels (14-15th June) and will revolve around the theme “[The value of water: The case for innovation and investment in water](#)”. Water is critical for our economy, food security, environment, and well-being of our citizens. At the same time, it is important to prevent risks related to water scarcity, pollution of fresh water source and effects of more frequent and intense floods and droughts. All these things have critical impacts on society and economic systems, so it is important to find and invest in innovative solutions. This year's edition of Water Innovation Europe conference will showcase that pro-actively addressing these water challenges can create strong investment and market opportunities within and outside Europe.

[EMBRACE THE WATER](#) 2017, GOTHENBURG, SWEDEN 12-14 JUNE 2017

Water professionals and urban planners need more than ever to share their knowledge to create sustainable water in cities, fostering synergies between water, energy, waste, food, and achieving livability outcomes for the city. Embrace the Water 2017, an IWA Cities of the Future conference, will facilitate dialogue across disciplines and institutions, focusing on new thinking in academia and innovations that work. Embrace the Water 2017 is a unique opportunity for urban professionals across disciplines to learn and collaborate on sustainable solutions for their cities. Join us in Gothenburg, from the 12th to the 14th of June to design water-wise cities together!

LESAM 2017, TRONDHEIM, NORWAY 20-22 JUNE 2017

The Leading Edge Sustainable Asset Management of Water and Wastewater Infrastructure Conference will be hosted in Trondheim, Norway on the 20-22 June 2017. Sustainability of urban water services requires medium and long-term infrastructure planning, including not only renewal strategies and tactics, but also the financial, organizational and information management aspects needed to ensure that stakeholders' needs and expectations are met over time. The theme of the conference “Infrastructure Asset management”, is vital for pursuing these efforts. In this LESAM, we expect a large number of Sustainable Asset Management (SAM) experts in the world to participate in valuable and unique presentations and discussions.