

## PROGRESS ON WATER JPI

### WATER JPI 2017 JOINT CALL OPEN!

THE WATER JPI IS PLEASED TO ANNOUNCE THE LAUNCH OF THE 2017 INTERNATIONAL JOINT CALL ON THE TOPIC "WATER RESOURCE MANAGEMENT IN SUPPORT OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS",

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## DROPLETS

### MAGICLANDSCAPES A PROJECT FOR PROTECTING THE PO RIVER VALLEY

MAGICLANDSCAPES, AN EU-FUNDED PROJECT WITH 1.7 MILLION EURO, THAT SEES THE PARTICIPATION OF ENEA, JOINTLY WITH 9 EUROPEAN PARTNERS FROM GERMANY, AUSTRIA, POLAND AND THE CZECH REPUBLIC,

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## OPPORTUNITIES

28 FEBRUARY-1 MARCH 2018, TORONTO, CANADA 51TH INTERNATIONAL CONFERENCE ON WATER MANAGEMENT MODELING

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## EVENTS

2-3 NOVEMBER, NEW DELHI, INDIA  
TECO JOINT WORKSHOP 2017 & EU-INDIA  
COLLABORATION ON WATER

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## PROGRESS ON WATER JPI

### WATER JPI 2017 JOINT CALL OPEN! 2017 JOINT CALL

The Water JPI is pleased to announce the launch of the 2017 International [Joint Call](#) on the topic “Water resource management in support of the United Nations Sustainable Development Goals”, supported by 12 funding organisations from 12 countries (Belgium, Brazil, Cyprus, Egypt, France, Germany, Ireland, Latvia, Republic of Moldova, Norway, South Africa and Sweden).

The 2017 Joint Call will address the two following major priorities:

- multiple pressure effects on ecosystems and ecosystem services as well as effective mitigation-adaptation tools and assessments for implementing the water related targets of the [UN SDGs](#),

- developing accessible solutions for clean water management to address UN SDG6 targets and associated SDGs.

A webinar for applicants will be organised on 17 November 2017, more details coming soon! For more information, please consult the call announcement (including research priorities, submission forms, and rules and procedures including assessment criteria) on the 2017 [Joint Call](#) webpage.

### WATER JPI ADVISORY BOARD'S MEETING , 20 SEPTEMBER, PARIS (FRANCE) MAIN OUTPUTS

The Water JPI Advisory boards met in Paris to discuss water-related infrastructures. To foster exchanges, Jos Brils gave a presentation on [Danubius-RI](#), a pan-european research infrastructure dedicated to interdisciplinary studies of large river-sea systems. The two Boards were consulted on the development of Water JPI Mobility and Infrastructure platforms, and on criteria for partner selection for international cooperation.

### WORKSHOP ACTION PLAN FOR VALORISATION

Within the Coordination and Support Action [IC4WATER](#), aimed at developing international cooperation with the Water JPI, some activities are currently being developed to increase the effectiveness of european research and innovation programmes and the more efficient take-up of research findings by the economic sector at the international scale. In the workshop participant discussed the type of actions research funders can take to encourage and facilitate the take-up of research finding by the economic sector represented by the WssTP, and how we can learn from other relevant international research; i) to elucidate success factors from both previous and existing networks, ii) to discuss barriers and success factors for such collaboration and iii) and to elaborate an action plan for moving forward.

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## WATER JPI EXPLORATORY WORKSHOP 2-3 NOVEMBER 2017, DUBLIN (IRELAND)

The main goal of the 2017 Water JPI Exploratory Workshop is to further elaborate the RDI needs identified in the Water JPI [SRIA](#) Them 1. The participation in this workshop is by invitation only. The objectives of the workshop include:

- gathering relevant experts in the topic, who will present and discuss their findings to other experts and stakeholders (end-users, policy makers and industry),
- identifying Knowledge gaps and RDI Needs in that area (Emerging Needs),
- further elaborating the SRIA RDI needs.

As this theme of the Water JPI SRIA is relevant to the Research Agenda of the [BiodivERsA](#) initiative, the workshop will also look at the synergies between the two initiatives. The workshop outputs could potentially be considered as one source of input towards the preparation of a possible future joint call between the two initiatives.

## UPDATING THE WATER JPI SRIA

The Strategic Research and Innovation Agenda (SRIA) is a living document, which will be kept updated. Emerging research needs and new knowledge gaps can be submitted for inclusion in the SRIA, following review by the Water JPI Advisory Boards and approval by the Governing Board.

To submit your proposed addition to the SRIA, please complete the [online template](#).





## MAGICLANDSCAPES A PROJECT FOR PROTECTING THE PO RIVER VALLEY

[MaGICLandscapes](#), an EU-funded project with 1.7 million euro, that sees the participation of ENEA, jointly with 9 European partners from Germany, Austria, Poland and the Czech Republic, has the object to improve the approach to land and landscape planning, valorising the natural capital with the aim of mitigating climate change, preserving wildlife habitats and improving air and water quality.

ENEA will focus its activities on the pilot area of the Po fluvial Park, among the towns of Alessandria, Turin and Vercelli, a natural area ranging for nearly 90 km and including 24 municipalities, with a succession of different environments linked by the course of the river.

## RULES OF WATER, RULES FOR LIFE, MILAN (ITALY) 27 - 28 SEPTEMBER 2017 AND WOMEN PEACEBUILDER FOR WATER (WPW) AWARD

The first edition of the Rules of Water, [Rules for Life](#) was held in Milan under the auspices of the Italian G7 Presidency 2017, and organized on the initiative of the Milan Center for Food Law and Policy with the scientific contribution from the [OECD](#) and the [World Water Assessment Program – UNESCO](#).

The programme focused on two main crucial aspects related to water: urban water governance and gender-related aspects of water with the aim of providing a platform to encourage multisectoral and multidimensional debate and exchanges of experience among representatives of academic community, lawmakers, regulators, private sector experts, international organizations, and governmental bodies. In addition, the year 2017 marks the 25th anniversary of [The Dublin Principles](#) as the milestones of water law.

During the conference three women, one Somali (Amina Abdulkadir), one American (Erika Weinthal) and one Italian (Mara Tignino) were also awarded the first [Women Peacebuilders for Water](#) (WPW) international award dedicated to female individuals who are committed to resolving water-related conflicts.

## THE NEW EU ACTION PLAN FOR NATURE, PEOPLE AND THE ECONOMY

The EU provides a framework to protect biodiversity, wildlife and nature; last April a new [Action Plan](#) (Brussels, 27.4.2017 COM(2017) 198 final) that aims to ensure these fully deliver on protecting nature, improving the quality of life for Europeans and bringing economic benefits. The new Action Plan puts forward 15 actions to boost application of EU nature rules on the ground so that it will deliver its full potential for nature, people and the economy.

The Action Plan identifies four priority areas:

- 1) improving guidance and knowledge on the connection between nature protection and socio-economic activities;
- 2) building political ownership by working with national, regional and local authorities, landowners and young people.
- 3) focusing on strengthening investment through a 10 % increase in the EU LIFE programme, as well as incentives for private investment.
- 4) finally, raising awareness among stakeholders and Europeans about the benefits healthy nature provides is the fourth priority.

## BUILDING THE FIRST GLOBAL HYDROLOGICAL STATUS AND OUTLOOK SYSTEM

Twenty million people around the world are at risk from flooding, according to the World

Resources Institute. The World Economic Forum estimates that the global effects of drought cost up to USD 8 billion a year from losses in agricultural and related businesses. However, there is currently no global hydrological monitoring, modelling and reporting system to warn of impending flood or drought situations. HydroSOS is aimed at improving flood and drought preparedness. [HydroSOS](#) will use a combination of local ground-based data, global scale remotely-sensed satellite data, global/regional/national weather and climate forecast models and global hydrological models to help inform government bodies, regional and international aid agencies, and affected populations through their National Meteorological and Hydrological Services of expected flood or drought situations.

## EUROPE'S WATER IN FIGURES – AN OVERVIEW OF THE EUROPEAN DRINKING WATER AND WASTE WATER SECTORS

[EurEau](#) updated its [report](#) reflecting the true picture of drinking and waste water in Europe. Higher connection rates, more pipes, more network, more investment, better recycling, better environmental protection are the key headlines and they highlight an improving situation. Water in Europe meets some of the strictest quality requirements anywhere in the world and undergoes rigorous controls. We employ the most advanced technology and methods to deliver this daily.

## PUBLIC-PRIVATE PARTNERSHIP OPPORTUNITIES FOR WATER AND WATER RESOURCE RECOVERY UTILITY ENERGY PROJECTS

On behalf of the [Water Research Foundation](#), THG in collaboration with [PLDO](#) conducted an assessment of public-private partnership (P3) opportunities for water and water resource recovery utility (W&WRRU) energy projects. The final report “[Public-private partnership opportunities for water and water resource recovery utility energy projects](#)” is intended to help W&WRRUs identify opportunities and undertake energy projects through P3s. Consistent with the publication “[The water resources utility of the future: a Blueprint for Action](#)” this report uses the term “water resource recovery utility (WRRU)” instead of “wastewater treatment plant” or similar terms, unless required for clarity when referring to a specific law, policy, or facility. This updated terminology reflects the sector’s achievements in managing household and industrial wastewater as a resource, and protecting the integrity of waterways.

## WASAG - GLOBAL FRAMEWORK OF WATER SCARCITY IN AGRICULTURE - UNCCD COP 13

Global Framework on Water Scarcity in Agriculture ([WASAG](#)) received recognition during

the [UNCCD COP 13](#), held in Ordos, China from 6 to 16 September 2017.

WASAG is mentioned twice in the document on policy advocacy on drought (as attached together with the Ordos declaration). In particular, the Global Framework on Water Scarcity in Agriculture is mentioned as a knowledge-sharing partnership to assist countries develop their drought preparedness plans and it is recognized as a drought addressing initiative.

## PILOT ACTION TO FOSTER SUSTAINABLE NEXUS INNOVATION & CO-DEVELOPMENT IN THE MEDITERRANEAN AND AFRICA PAPER



5T&I

Energy, Water and Agriculture in the  
South Mediterranean Neighbourhood

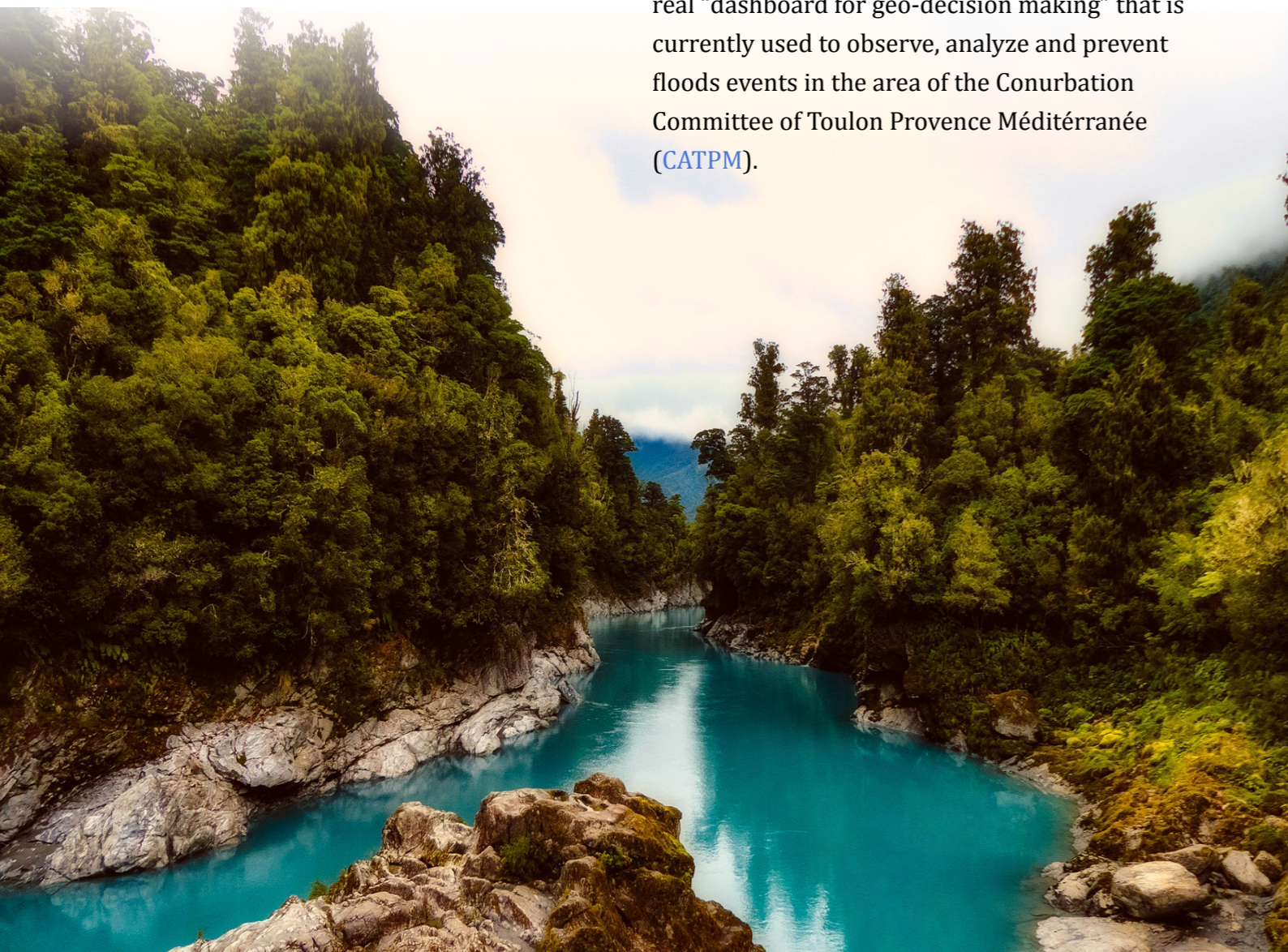
PAVE THE WAY FOR INNOVATION

A paper to foster sustainable nexus innovation & co-development in the Mediterranean area and Africa provides evidence of the need for a pilot action to prepare for the emergence of a structured and sustainable NEXUS open innovation and co-development in the Mediterranean area and in Africa. Co-development actions target specific marketable solutions that could – in an integrated and synergetic way as described by the NEXUS approach – be adapted to social, societal and economic needs in those geographical regions most affected by climate change and development challenges.

In this respect, open innovation can be developed by multiple sources or multiple paths such as: thinking with a different perspective, integrating different technologies to solve integrated and co-related problems, organizing new institutions of governance, writing new narratives regarding development, integrating and using tested and approved technologies and tools in new contexts, and educating citizens at the local level. [5TOI\\_4EWAS EU](#) project is working on this to try to create a new concept and a new philosophy for the open innovation approach.

## SIG 2017 – ESRI FRANCOPHONE CONFERENCE: A NEW VISION OF ENVIRONMENTAL MONITORING

[TENEVIA](#), the specialist in observation through image processing and environment analysis and simulation, in partnership with [Smart/Origin](#), the specialist in valorization of geospatialized data, held a [meeting](#) in Paris last 11-12 October at the “SIG 2017 Salon”. The SIG dashboard dedicated to hydrometeorological survey, including an example of its application, was presented at the Conference. This technology is based on the [DashBoard](#) solution developed by smart/origin and connected to the field data reported by TENEVIA applications and sensors. It is a real “dashboard for geo-decision making” that is currently used to observe, analyze and prevent floods events in the area of the Conurbation Committee of Toulon Provence Méditerranée ([CATPM](#)).



## OPPORTUNITIES

### CALL FOR PAPERS

28 FEBRUARY-1 MARCH 2018, TORONTO, CANADA  
51TH INTERNATIONAL CONFERENCE ON WATER MANAGEMENT MODELING

The [ICWMM](#) brings together professionals from around the world to exchange ideas on current practices and emerging technologies in water management. Emphasis is on state-of-the-art computer modeling for resolving water quantity and quality problems in stormwater, wastewater, watershed and water distribution systems.

Deadline for abstract submission is 3 February 2018.

2 5-7 FEBRUARY – TOURS, FRANCE

INTERNATIONAL CONFERENCE – CLIMATE CHANGE & WATER 2018

The aim of this call for papers is to stimulate exchanges and new developments that enrich the diversity of local responses to the impacts of climate change on water, including biological, technical and societal adaptations. The [conference](#) is open to both academics and non-academics (e.g., socio-economical partners) that are concerned by the variability in water cycle in the context of climate change. Deadline 25 October 2017.



## EVENTS

2-3 NOVEMBER, NEW DELHI, INDIA

### TECO JOINT WORKSHOP 2017& EU-INDIA COLLABORATION ON WATER

The project [TECO](#) has been approved within the EU cross action with India to support the research and innovation partnership. It is dedicated to the implementation of EU – India exchange of experts and innovators in the field of technological eco-innovation applied to the pollution of soils and waters and to the improvement of their quality. During the [meeting](#) TECO project outcomes and new opportunities for Indo-European joint research on innovative technologies for water and soil quality control and restoration will be discussed.

29-30 NOVEMBER, BRUSSEL, BELGIUM

### WSSTP H2020 BROKERAGE EVENT

The WssTP H2020 [Brokerage Event](#) ‘Water Knowledge Europe’, will discuss network’s knowledge around the upcoming H2020 water-calls. For registration and more information click [here](#).

5-7 FEBRUARY 2018, TOURS, FRANCE

### INTERNATIONAL CONFERENCE “CLIMATE CHANGE AND WATER”

Global warming strongly affects the functioning of natural, anthropogenic and urban systems. The thematic research network of laboratories MiDi (Environments and Diversity [Milieux & Diversité]) proposes this [conference](#) on the modifications occurring in the water cycle due to global changes in different environments.

13-15 JUNE 2018, BEIJING, CHINA

### 8TH INTERNATIONAL WATER RESOURCES MANAGEMENT CONFERENCE OF INTERNATIONAL ASSOCIATION OF HYDROLOGICAL SCIENCES

The [conference](#) brings together experts and scholars from different countries and regions to present their research, and discuss innovative water resources management issues. This conference, is part of the IWRM conference series organized by IAHS-ICWRS (international Commission on Water Resources System) and is focused on the innovative and integrated management of water resources.

The innovative and integrated management of water resources management, which will be discussed during this conference, is extensive. The main topics of presentations are, but not limited to :

- assessment of available water resources at regional and basin scales; .
- ecological baseflow /environmental flow to maintain the health of rivers and lakes,
- spatiotemporal distribution of water resources availability;
- water needs for the healthy society,

- impact of climate change and human activities on water resources,
- water resources allocation and management models,
- interactions between water resources and ecosystem,
- socio-hydrology as the basis of water resources management,
- application of GIS and remote sensing in water resources management and
- risk analysis for water resources systems, and related issues.

