

A close-up photograph of several clear water droplets on a vibrant green leaf. The droplets are in various stages of formation, with some showing internal reflections and refractions of the leaf's structure.

PROGRESS ON WATER JPI

WATER JPI 2017 JOINT CALL STILL OPEN!

The Water JPI 2017 Joint Call on “Water resource management in support of the United Nations Sustainable Development Goals” covers two topics:

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A macro photograph of numerous small, dark water droplets scattered across a light grey, textured surface. The droplets vary in size and are captured in a way that highlights their spherical shape and the way they reflect light.

DROPLETS

RESCEU: A NEW EUROPEAN SYSTEM TO TACKLE NATURAL DISASTERS

The European Commission recently presented new plans to strengthen Europe’s ability to deal with natural disasters, as a consequence bringing forward

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A dynamic photograph showing a splash of clear water hitting a bright red pepper. The water is frozen in time, creating a complex, crystalline structure of droplets and spray around the pepper, which is partially submerged.

OPPORTUNITIES

CALL FOR PAPERS

22 MARCH H2020: BLUE GROWTH. BLUE BIOECONOMY PUBLIC-PUBLIC PARTNERSHIP

The Blue Growth Call aims at sustainably harvesting the potential of resources from seas,

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Four rectangular sticky notes in different colors (yellow, blue, pink, and light green) are scattered on a light grey surface. They are slightly curled and overlapping, suggesting they are reminders or important notes.

EVENTS

**8 - 19 JANUARY 2018, BENGALURU, INDIA
3RD NATIONAL SUMMIT, SUSTAINABLE
WATER & SANITATION**

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PROGRESS ON WATER JPI

WATER JPI 2017 JOINT CALL STILL OPEN!

2017 JOINT CALL

The [Water JPI 2017 Joint Call](#) on “Water resource management in support of the United Nations Sustainable Development Goals” covers two topics:

- 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.

The Call is funded by 12 Funding Partner Organisations from 12 countries, for a global estimated budget of 8.55 M€. This Call is for collaborative transnational research proposals. As explained during the two [Webinars](#) organised 27 November 2017, Consortia should include a minimum of 3 partners from 3 different participating countries, researchers from other countries can also participate at their own cost. Each research project Partner must comply with the eligibility criteria and rules of its funding organisation. Deadline for submission of pre-proposals: 11 December 2017. Deadline for submission of full proposals: end of June 2018.

GOOD PRACTICES WORKSHOP ON IMPACT ASSESSMENT 22 NOVEMBER 2017, DELFT, THE NETHERLANDS

The Water JPI 2017 Workshop on Good Practices was held in Delft on 22nd of November 2017, back-to-back with the 11th Governing Board. The topic selected for the edition of this year was “Impact Assessment of Joint Actions”. This is a hot topic because the Water JPI needs to assess the impact of the instrument and its activities, including the calls and the funded projects. Invited experts delivered presentations on the impact assessment of national programmes and international initiatives. The well-established methodologies, mostly based on logical framework analysis and partnership evaluation, and their applicability to JPIs were discussed. The Water JPI addresses complex global challenges and the relevant impacts will be generated in the medium and long term. Likewise, there are other actors (e.g. countries, EU, UN, etc.) addressing the same challenges. This situation makes difficult the attribution of impacts to the activities of the Water JPI and a specific methodology may be needed for the impact assessment of the JPIs.

WATER JPI GOVERNING BOARD 23 NOVEMBER 2017, DELFT, THE NETHERLANDS

The Dutch Ministry for Infrastructures and Water Management hosted the 11th Governing Board of the Water JPI the 23rd of November 2017, at the UNESCO IHE. As an introduction, Henk Ovink, Special Envoy for Water of the Kingdom of the Netherlands and Sherpa of the UN High Level Group on Water, addressed the current Water risks and discussed the possible opportunities for collaboration. The Governing Board approved the integration of Latvia and South Africa as full members of the JPI and the remaining decisions for the long-term sustainability of the Water JPI. In addition, the European Commission representative from the DG Research and Innovation, Panagiotis Balabanis, presented the state of discussions for future ERA-NET Cofund ([Work Programme 2018-2020](#)), for a new R&I policy agenda for water and for moving towards the 9th Framework Programme.

LAUNCH OF TWO SURVEYS FOR DESIGNING PLATFORMS ON WATER RELATED INFRASTRUCTURES AND MOBILITY SCHEMES

The Water JPI has identified Mobility and Infrastructure, as other relevant instruments, in order to support WaterJPI community and its network. Mobility actions and research infrastructures can involve capacity transfer of individual persons working or visiting a place which is not the one they belong to (foreign Institutes, other sectors); or even

the exchange of larger groups, e.g. between research infrastructures. The EC already has funding instruments for such actions (e.g. [ESFRI](#), [Marie Skłodowska-Curie](#) actions etc.), but the support for mobility of researchers and students or the access to infrastructures could also be strengthened at all levels if more information were available. In order to improve the current situation, two platforms are planned.

- One on [mobility](#) schemes: it will aim to boost the cooperation of the researchers within Europe and beyond as stated in the [Water JPI SRIA](#) by providing information on existing mobility funding schemes.
- One [infrastructures](#) and observatoris: It aims to optimize transnational cooperation and competition, access to scientific knowledge, results and activities of existing research infrastructures.

In order to identify the better strategies and priorities for implementation of both platforms, the two surveys are now available on-line.

WATER JPI FUNDED PROJECT FRAME, 6TH CONSORTIUM MEETING 27-28 NOVEMBER 2017, ROME, ITALY



[FRAME](#) (A novel FRamework to Assess and Manage contaminants of Emerging concern in indirect potable reuse), funded under the 2013 Water JPI Call, is testing several treatment

combinations including ozonation and advanced oxidation processes coupled with a new process of sequential biologically active filtration. Modelling transport and fate of emerging contaminants and their transformation products through various treatment combinations will provide guidance in assessing the efficiency of mitigation strategies. The FRAME concept may influence European and national regulations related to wastewater and indirect potable reuse. It will be primarily validated at water reclamation facilities in Germany and Spain. The objectives of the meeting were: development of the decision support framework; organization of the FRAME/UNESCO workshop in March 2018; preparation of the Frame Handbook; interpretation of the outcome from the monitoring campaigns in Berlin, Spain and Munich.

WATER JPI FUNDED PROJECT MOTREM FINAL WORKSHOP

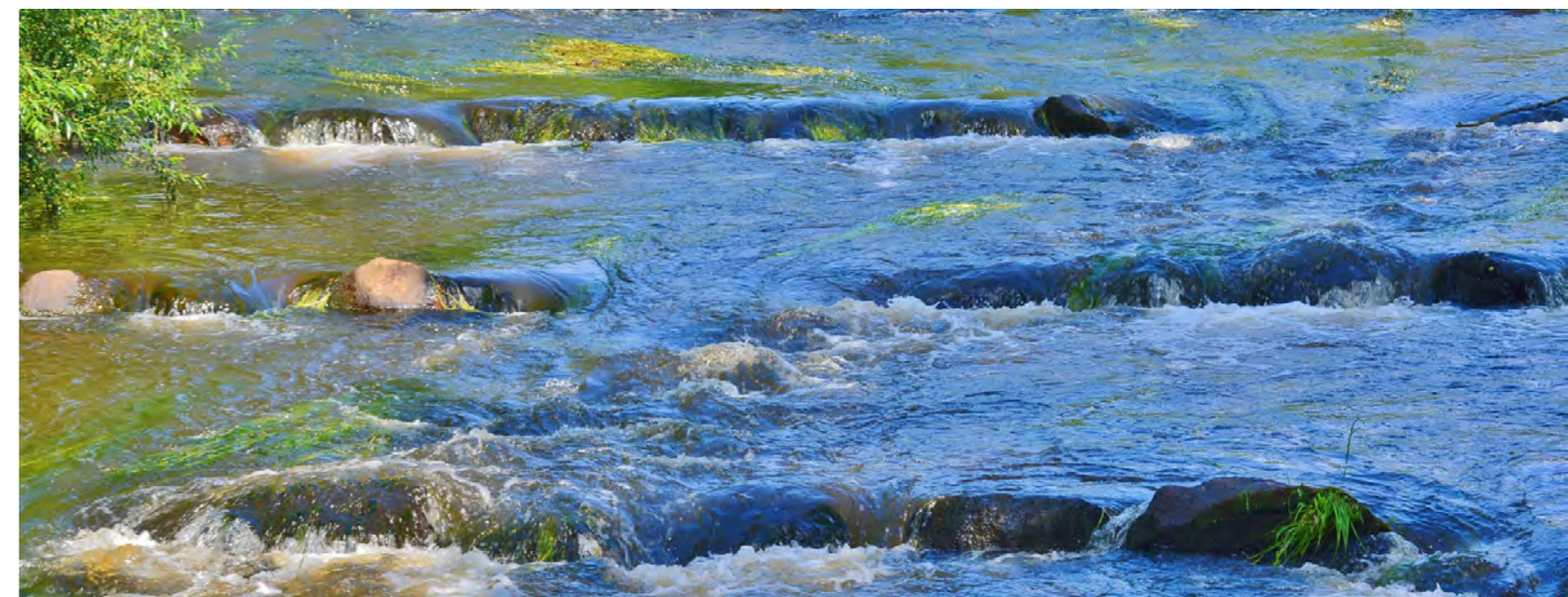


MOTREM Project - funded under the [2013 Water JPI Call](#) - and REMTAVARES Network jointly

hosted a two-day Workshop. The event was organized by Universidad Rey Juan Carlos (URJC), IMDEA and Universidad de Alcalá and sponsored by AQUALIA and BRUKER.

The [event](#) “on Technologies for Monitoring and Treatment of Contaminants of Emerging Concern” took place at URJC campus in Móstoles (Madrid, Spain) with more than 80 attendees and 28 speakers from 4 different nations (Spain, Italy, Finland and Germany). This year, the Workshop organized to disseminate their latest results on micropollutants treatment has included several research works in the frame of the MOTREM project.

In addition, on 24th November a “Training Module on analysis of contaminants of emerging concern” was performed in the facilities of BRUKER at URJC Campus. It consisted of a technical and practical session to introduce the techniques applied to emerging pollutants analysis. The event, apart from showing the latest results on emerging contaminants treatment and monitoring, served as a meeting point for networking with different European specialists on the topic.



DROPLETS

RESCEU: A NEW EUROPEAN SYSTEM TO TACKLE NATURAL DISASTERS

The European Commission recently presented new plans to strengthen Europe's ability to deal with natural disasters, as a consequence of more complex and frequent natural disasters that have seriously affected many European countries over recent years. Part of the plans is the creation of [RescEU](#), a reserve at European level of civil protection capabilities such as aerial forest fighting planes, special water pumps, urban search and rescue and field hospitals and emergency medical teams. These will complement national assets and will be managed by the European Commission in order to support countries hit by disasters such as floods, forest fires, earthquakes and epidemics. Alone in 2017, over 200 people were killed by natural disasters in Europe and over one million hectares of forest have been destroyed.

WASAG, THE GLOBAL FRAMEWORK ON WATER SCARCITY IN AGRICULTURE

[WASAG](#) (The Global Framework for Water Scarcity in Agriculture under a changing climate) was officially launched during the [COP 22](#) of the UNCCD in Marrakesh, Morocco in November 2016. It called for concerted efforts among role players to respond to the challenges posed by water scarcity in agriculture, which are exacerbated by climate change and a growing world population. Soon after, close to 100 partners and stakeholders

met in Rome in April 2017 and issued a joint declaration. They agreed on a common vision and mission for [WASAG](#), developed its TORs and established an interim Steering Committee. To date, more than 40 members consisting of government institutions, international organizations, research institutions, advocacy groups, etc. have joined WASAG and new applications for membership continue to be received. The FAO coordinates the work of WASAG on behalf of the partners. WASAG aims to foster collaboration among partners for the development and implementation of policies and programmes for the sustainable use of water in agricultural sectors, using context-specific approaches and processes. WASAG seeks to identify priority actions for the adaptation of agriculture to climate change and for the scaling up of successful responses to the threats to agricultural production posed by increasing water scarcity. In so doing, the Global Framework aims to help countries, communities and businesses satisfy their needs for increased food production in the face of climate change, while conserving ecosystems and the services they provide.

THE SAIGON RIVER PROJECT, FINAL MEETING

The meeting was organized at the HoChiMinh City University of Technology ([HCM UT](#)) 16-17t October 2017. Its aim was to present the results obtained from a multidisciplinary two-year programme funded by Region Auvergne-Rhone-Alpes, and Francophone University Agency (AUF). The programme dealt with the impacts of the development of HoChiMinh city (HCMC), coupled with possible climate change effects, on the environmental status of the SaiGon river-Mekong



Delta continuum. Three main issues were identified: a) the evolution of the river system and of inundation risks linked to urban dynamics from early historical Saigon to contemporary HCMC; b) on going impacts of the megacity on the water quality of the river system: monitoring strategy for water quality and sediments, eutrophication, trace metal dynamics, persistent organic contaminants and microplastic contamination; c) monitoring of water, sediment and nutrient fluxes; assesment of saltwater intrusion;and hydrodynamics of the delta.

The success of the programme relies on the existence of [CARE](#) (Asian Water Research Center) an international research laboratory under a joint funding agreement between HCM UT, Institut de Recherche pour le Développement (IRD) and Grenoble-INP, with four permanent researchers from France.

AMSTERDAM INTERNATIONAL WATER WEEK, 30 OCTOBER - 3 NOVEMBER 2017

Amsterdam International Water Week ([AIWW](#)) is the platform bringing together leaders from government, the private sector, academics and society all over the world; they explore a new era of Sustainable Development Goals that represent a global process of resiliency, optimal resource efficiency and transition to circular economies. All 21 Dutch regional water authorities and the ministries of Foreign Affairs, Infrastructure and Water, Economic Affairs and Climate will set up an international programme ([Blue Deal](#)).

The programme aims to improve flood protection, the accessibility of water and the water quality worldwide. Blue Deal combines the national policy of three ministries with the hands-on implementing power of the Dutch regional water

authorities.

These authorities want to share their expertise in regional water management with countries that face similar challenges. In addition, the Dutch water authorities believe that Blue Deal will increase their ambitions to contribute to a safer, cleaner and healthier world.

TEN JPI STATEMENT ON JOINT RESEARCH, NOVEMBER 2017 CALL ON WATER

Joint Programming Initiatives (JPIs) aim to enhance collaboration between national research programmes to address key societal challenges in a more efficient and effective manner.

In the light of the upcoming discussions regarding the future framing of research in Europe and strengthening the European Research Area, the ten JPIs developed jointly a [statement](#) on how to address grand societal challenges in Europe and beyond.



OPPORTUNITIES CALL FOR PAPERS

H2020: BLUE GROWTH. BLUE BIOECONOMY PUBLIC- PUBLIC PARTNERSHIP

The Blue Growth Call - Working Programme [Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy](#) - aims at sustainably harvesting the potential of resources from seas, oceans and inland waters for different uses and across the range of marine and maritime industries, while protecting biodiversity and enhancing climate resilience.

It is possible to apply to the TOPIC [Blue Bioeconomy Public-Public Partnership](#), an ERA-NET Cofund, until 13 February 2018.

CALL EU INDIA WATER COOPERATION, H2020, SOCIETAL CHALLENGES

The deadline of the EU-India Water Co-operation [call](#) is 27th February 2018. This action is to develop new and/or adapt the most suitable existing innovative and affordable solutions for Indian conditions, both in urban and rural areas, addressing one or more of the following broad challenges:

- drinking water purification with a focus on emerging pollutants;
- waste water treatment, with scope for resource/energy recovery, reuse, recycle and rainwater harvesting, including bioremediation technologies;
- real time monitoring and control systems in distribution and treatment systems.

JPIAMR PRE ANNOUNCEMENT OF THE SIXTH CALL



The [JPIAMR](#) is launching a joint transnational call “New Targets, Compounds and Tools” with the aim to discover new targets, compounds and tools with the potential to help controlling diseases caused by resistant bacteria from the above-mentioned WHO pathogen list in human, animal or environmental settings. The participating countries are: Belgium, Czech Republic, Egypt, Finland, France, Germany, Ireland, Israel, Italy, Latvia, Norway, Poland, Spain, Sweden and Switzerland. The full JPI AMR call for proposals will be published on January 18th 2018, the deadline for submission will be March 18th 2018.

26 - 31 AUGUST 2018, STOCKHOLM, SWEDEN WORLD WATER WEEK 2018 CALL FOR ENGAGEMENT

Submissions for abstracts and events is now open. The theme of the World Water Week 2018 (26th -31st August 2018) is “[Water, ecosystems and human development](#)”. The [Call for Engagement](#) provides an overview of how to [engage in the week](#). You’ll find all necessary information for submitting abstract proposals, convening sessions, and volunteering. You can also get an insight into the [nine seminar topics](#) of 2018.



EVENTS

18 - 19 JANUARY 2018, BENGALURU, INDIA 3RD NATIONAL SUMMIT, SUSTAINABLE WATER & SANITATION

The 3rd Annual NSWSS 2018 will address the latest and most pertinent water issues confronting India. Sustainable water supply and sanitation is a very important issue due to the increase in water scarcity, the impact of climate change & adaptation, and the increasing demand in water and adequate sanitation. The attendees will be posted with engineering best practices, successful case studies, and innovative solutions for problems in the water & wastewater sector, industrial wastewater management and low cost & innovative sanitation solutions.

29 JANUARY - 2 FEBRUARY 2018, BARCELONA, SPAIN TERRAENVISION ENVIRONMENTAL ISSUES TODAY

This conference aims to focus on the scientific research towards finding solutions for the societal issues of our time. TERRAenVISION promotes interdisciplinary collaboration and networking. It will also bring together scientists and stakeholders that have the same goal, work on the same societal issue, but have different scientific backgrounds. This conference intends to link to International policies such as the sustainable Development Goals, the UN Climate conventions, CAP and COP.

3 - 6 APRIL 2018, TÜBINGEN, GERMANY INTEGRATED HYDROSYSTEMS MODELLING CONFERENCE

The aim of the conference is to discuss the state-of-knowledge and to give directions and incentives for future research in modelling coupled terrestrial hydrosystem on the catchment scale, including atmospheric and land-surface processes, surface-water bodies, and processes in the unsaturated soil zone and in groundwater.

1 - 12 APRIL 2018, SINGAPORE INTERFLOOD ASIA CONFERENCE

The first InterFLOOD Asia conference will be dedicated to the technical, engineering and financial solutions needed to mitigate and manage the risks and impact of flooding, and the potentially catastrophic consequences for life, business and the economy. The conference overview is available from the website.

