

Editorial

We all connect more with any issue when we learn about it from people we know and trust. Public institutions of EU member states and associated countries have therefore contributed to a new Water JPI video. It's based on our engagement for "**achieving sustainable water systems for a sustainable economy in Europe and beyond**". We want to share the vision of this European initiative with as many people in the world as possible.

We believe that a video can **often** capture everybody's attention better than other communication means. So we've used images, sounds and words creatively to convey our passion for tackling the issues around water use and conservation. We look forward to engaging with the public in this stimulating way. The video is available on the Water JPI [website](#).

EIP Water MARKETPLACE AND CONFERENCE

The European Innovation Partnership on Water has created an online collaboration platform for information exchange and teaming-up of public and private sector experts, organisations and resources in order to boost opportunities for innovation in the water sector.


EIP Water

The first EIP Water annual conference themed "Networking – Interacting –Innovating" will highlight innovations within and outside the water sector – in the EU and in the world - through keynote addresses, panel discussions with high-level representatives from across the innovation value chain and moderated plenary sessions. This conference scheduled for 21 November at the European Parliament will also gather the nine initial EIP Action Groups established in May 2013. Progress in the Action Groups and Conference conclusions will feed into the further development of the EIP Water. Click [here](#) to get more information.

CHINA-EUROPE Water Platform



The Danish Minister of Environment representing the European Union and the Chinese Minister of Water Resources signed a joint statement last year establishing a Water Platform for dialogue, which aims to bring joint research and private sector cooperation on better management of water resources between Europe and China. . This policy dialogue is underpinned by a number of major multiannual developments and cooperation programmes.

LAUNCHING THE PILOT CALL

The draft documents to launch the imminent Pilot Call of the Water JPI were revised at the beginning of this month at a very well-attended meeting in Helsinki. Agreement was reached on the deadlines and modalities of this important funding initiative agreed by the Water JPI partnership. The final decisions on this first common call funded by eleven organizations of eleven European countries will be made in a second meeting to be held in Venice on 9 October. A [call preannouncement](#) with more information is online on the Water JPI webpage!



Participants in the Helsinki meeting

PREPARING FOR THE SIXTH EXECUTIVE BOARD MEETING

The 6th Executive Board meeting of the Water JPI will be held on 10 October. The meeting will be hosted by ISPRA at the Eni Enrico Mattei Foundation headquarters on the Island of San Giorgio Maggiore in the Venetian Lagoon. The agenda will focus on the latest developments in JPI activities and on the next steps to take.

PUBLISHING A PROJECT DATABASE

The Water JPI Secretariat and the WatEUR WP 6 leaders are finalizing the development of a project database in the Water JPI website. The database will include water related Research, Development and Innovation projects from partner countries (in the first instance) and Water JPI joint projects (at a later stage). The database will enrich the website and will help European researchers and innovators search for partners in relation to the upcoming Water JPI calls for proposals.

THE NEW DIGITAL DELTA PROJECT

This research initiative headed by IBM will collate vast and currently disparate data sets in order to better manage water resources in the Netherlands. The core of the Digital Delta project is a cloud-based system built on IBM's intelligent water software and smarter water resource management solution. The Netherlands has immense experience in preventing floods and managing water as more than half of the Dutch population lives in areas prone to large scale-flooding. For more information click [here](#)

THE DANUBE WATER PROGRAMME

The [World Bank](#) launched the Danube Region Water Supply and Wastewater Sector Capacity Building Program project for Europe and central Asia which is funded by a multi-donor trust fund with an initial contribution from Austria of 4.5 M €. The Danube Water programme aims to support institutional capacity building, as well as the development of regulatory and policy instruments in the water supply and wastewater sector and involves 11 countries of the region.

IMPACT OF NANOTECHNOLOGY ON WATER AND WASTEWATER TREATMENT

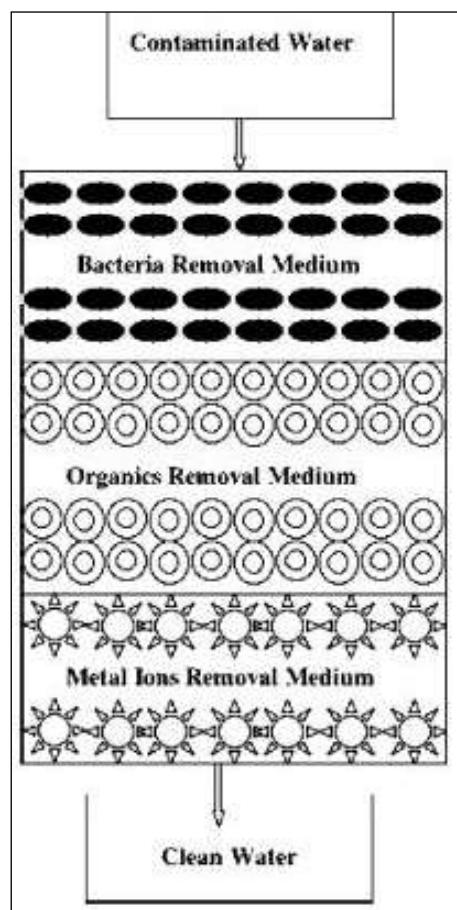
Demand for clean water drives advances in water and wastewater treatment. With the rising need for clean water and subsequent increase in generation of wastewater, it has become mandatory to treat wastewater in order to obtain high-quality pure water. The main motive for wastewater treatment is that less than 1% of the world's water is suitable for drinking while the remaining is brackish. As a consequence, there is a growing need for fresh and clean water especially for drinking purposes. This escalates the need for technologies that produce high quality water after treatment that do not cause any detrimental effect to human beings or the environment. Utilising nanotechnology for water and wastewater treatment would certainly make previously unusable water sources such as brackish water, seawater, and other wastewater as an available source of water supply.

Nanotechnology, the engineering and art of manipulating matter at the nanoscale (1-100 nm), offers the potential of novel nanomaterials for the treatment of surface water, groundwater and wastewater that is contaminated by toxic metal ions, organic and inorganic solutes and microorganisms. Nanotechnology is generally used in areas where there is a need for attacking the molecular level of the substances. Various forms of nanotechnology such as, nanomembranes and nanoporous zeolites are being used for the treatment of water and wastewater. It has been determined that the nano-based filters are able to achieve 99.95 percent efficiency, when compared to conventional technologies.

As a result, the water or effluent that is obtained after the treatment could be reused for various domestic and industrial applications.

For more information, please click [here](#)

RESEARCH HIGHLIGHTS



Schematic of a composite nanomaterial packed bed reactor for purification of water contaminated by mixtures of metal ions, organic solutes and bacteria.

THE THIRD WATER FRAMEWORK DIRECTIVE INTERNATIONAL CONFERENCE: CLIMATE CHANGE IMPACTS ON WATER SECURITY AND SAFETY

The THIRD WATER FRAMEWORK DIRECTIVE INTERNATIONAL CONFERENCE is to be held between 4 and 6 November 2013 at the Polytech'Lille, Lille, France. The conference will review technical challenges faced by Member States, stakeholder organisations and scientists while integrating climate change components (understanding, prevention, preparedness) into the River Basin Management Planning under the Water Framework Directive (WFD) in particular adaptation measures expected to take place within the 2nd RBMP. In addition the conference will look at the way cross-sectoral and multidisciplinary co-operation has been developed with a strong focus on climate change research, and how emerging issues such as adaptation to climate change will be considered in the water sector in the future. In addition, the conference will highlight research funding orientations in the water and climate change area, as well as in the security sector such as developed within Horizon2020. This event aims to be a forum of exchanges between policy-makers, stakeholders, and scientists on issues that are closely related to the implementation of EU water policies. Discussions will hence not be limited to the WFD, but will open up to related policies concerning, for example, floods, climate change adaptation, as well as UN policies. It is aimed to Water sector professionals, managers, scientists, consultants, academics, and the local authority and government body representatives. For more information, please visit its [link](#).

FORESTERRA WORKSHOP IN THE EFIMED WEEK

Enhancing FOREst REsearch in the mediterranean through improved coordination and integration (FORESTERRA) ERA Net, which is coordinated by MINECO, Spain hold its annual workshop during the European Forest Institute - Mediterranean Regional Office (EFIMED) Week. The event was organised on 4 September at the Sant Pau UNESCO World Heritage Site in Barcelona. The aim of the workshop was the presentation of the scientific strategic themes of the FORESTERRA ERA-net, together with the synergies and the impacts of research with other related initiatives. Water Research was established as one of the four research priorities established by FORESTERRA partners. For more information, please visit FORESTERRA [link](#).

OPPORTUNITIES

TWO VACANCIES AT THE ESPON COORDINATION UNIT

Applicants are invited to send their CV and a letter of motivation for the vacant position of expert on project management and capitalisation and for the role of temporary administrator/office support. Deadline for submitting an application is 28 September 2013 at 16.00 CET.



More information is available [here](#)

CALL FP7-INFRASTRUCTURES-2013-2

Funding (2.5 M€) is available for supporting actions on policy development, including international cooperation, for e-Infrastructures. Deadline on 3 December 2013 at 17.00 Brussels time.

Useful documents [here](#)

VACANCIES AT EPO

The European Patent Office is recruiting 200 scientists and engineers.

More information [here](#)

OPEN CALL FOR ABSTRACTS

The International Association of Hydrological Sciences has launched a call for abstract submission for the 6th IAHS International Symposium on Integrated water resources which will take place in Bologna on June 4-6, 2014. Deadline is 15 October 2013 for those full papers which will be published in the IAHS Red Book.

More details [here](#)



UPCOMING EVENTS

ACQUEAU SECOND WORKSHOP 2013

The EUREKA cluster for Growth and Innovation in Water, ACQUEAU will hold its 2nd Workshop “Water beyond Europe” on 17 and 18 October 2013 in Brussels. The event will bring together European and Canadian stakeholder as well as national funding agencies representatives in both continents. The goal will be to foster transnational collaboration and innovation for the benefit of the water sector.

More information on the event can be found [here](#)



WATEC ISRAEL 2013

Following the successful WATEC Israel 2011 Exhibition and Conference, which attracted more than 20.000 visitors, - including 4000 from abroad – WATEC Israel 2013 will be held October 22-24, 2013 at the Israel Trade & Fairs Convention Center in Tel Aviv.

More information [here](#)

THE INTERNATIONAL WATERWEEK

This event is organized every two years and focuses on integrated water solutions for sustainable and resilient cities and delta areas. The Conference will be held in Amsterdam from 4-8 November 2013.

For details click [here](#)

SYMPOSIUM ON EMERGING POLLUTANTS IN IRRIGATION WATERS

This international event is organized in Tunisia from 25-28 November 2013 in the framework of the German-Tunisian project EMPOWER.

More information is available [here](#)



THE PREVIOUS NEWSLETTERS ARE AVAILABLE FROM THE [waterjpi](#) WEBPAGE

