

# EDITORIAL

The two EU technological platforms WssTP and SUSCHEM, together with the Networks of Excellence EMH, ENMIX and ERIC are the founding fathers of the ChemWater project. This project intend to coordinates European Strategies on Sustainable Materials, Processes and Emerging Technologies Development. It focuses on Chemical Process and Water Industry. EIP, JPI and PPP should be issues of main concern for ChemWater. Indeed the EIP stands for European Innovation Partnership on Water efficiency. The Joint Programming initiative (JPI) aims to an improved cooperation between member states and a better coordination of national activities. The Public Private Partnerships (PPP) can play a major role in the next framework programs by setting up programs instead of proposals to calls via cooperation between industry and water companies. Every drop should count for boosting innovation!



## ChemWater in progress

### Consortium meetings

- » The kick-off meeting was held on **June 15 – 16<sup>th</sup> 2011 in Brussels/Belgium**.  
The meeting was attended by all 11 project partners coming from Germany, Belgium, France, The Netherlands, Spain & United Kingdom as well as the project officer from the European Commission.
- » The 2<sup>nd</sup> meeting was organized on **December 13 – 14<sup>th</sup> 2011 in Paris/France** by **Suez-Environnement**.
- » The 3<sup>rd</sup> consortium meeting will be held on **February 29<sup>th</sup> 2012 in Brussels/Belgium**. Attached to the first ChemWater Workshop on **March 1<sup>st</sup> 2012**.

### What is ChemWater?

The ChemWater project coordinates European Strategies on Sustainable Materials, Processes and Emerging Technologies Development. It focuses on Chemical Process and Water Industry. The project was founded by the WssTP and Suschem Technology Platforms as well as by the Networks of Excellence EMH, ENMIX and ERIC. The European concern is an efficient management of water in process industry. Starting from the existing strategies of the involved groups, ChemWater develops a 2050 Vision for ecoefficient water management. Based on this routes forward required to realize these are formulated in a joint impelementation action plan.

EU project: FP7-NMP-2010-CSA-4, Grant agreement n°: 266851,  
Start Day : May 1<sup>st</sup> 2011, End: October 1<sup>st</sup> 2013

## Vision 2050 blueprint on materials, processes and technology challenges (WP3)

The main objective is to develop a common long term vision and strategy regarding technologies directed to realize an efficient industrial water management. The different steps which are envisaged: visioning to 2050; identifying knowledge, tools, techniques and processes that will be needed to secure the benefits thus identified ; looking for potential “European champions” on NMP with capability for a European lead in the global chemical process industry – water technology interaction sector; mapping of potential future markets at an early stage.

The actors involved are: TNO, CEFIC, Dechema, Suez-Environnement, EMH, VITO, ERIC and ENMIX. The strategy agenda will be available soon on the ChemWater website.

## The 1<sup>st</sup> Workshop on Water Sustainable Process Industry: Vision 2050

**March 1<sup>st</sup> 2012. Brussels/Belgium**

The objective of WP3 is to promote and enhance the collaboration with additional and highly relevant ETPs cross-related in an interdisciplinary manner with the enhancement and optimization of the industrial water management process and the development of technologies, materials and processes to ensure it. Alignment with these ETP’s will take place through their workshop participation and by linking with other CSAs.

### Workshop Scope

The scope of the project is to build a vision and a roadmap on sustainable water use in the (chemical) industry. Roadmaps will support identification of technology and knowledge gaps and roadblocks and give direction to future challenges & opportunities. The roadmaps will provide a framework for coordination of development of activities across sectors.

In order to set this vision with the support of the actors in the industry and water, a set of three workshops (this one is the first.) will be organized. The aim of this workshop is to set a vision 2050 on sustainable water use in industry, and to find or create synergies between different sectors.

We expect more than 40 representatives of European industry and in addition representatives from academia. The results of this workshop will feed into ongoing European initiatives like PPP, EIP, JPI, Horizon 2020, etc. and the European innovation policy.

**The workshop is organized by TNO Innovation for life – The Netherlands.**

### Workshop Topics

The workshop starts in the morning with general discussions and presentations to set the boundaries of the afternoon session. The afternoon consists of discussions in which the vision will be formed.

- » The world in 2050: scenario’s and vision 2050 from WbcSD  
Presentation of the global water tool – World business council on sustainable development
- » Industry in 2050: vision, challenges and solutions
- » Discussions to set a vision and seek for synergies for sustainable water use in the process industry

**Important dates:** Registration deadline February 22<sup>nd</sup> 2012

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## What's happening outside ?

### CEFIC to the International Seminar on Water Wetsus/Leeuwarden · October 3 – 4<sup>th</sup> 2011

SusChem was present at the exhibition floor during the Wetsus Congress, held in Leeuwarden on October 3 – 4<sup>th</sup> 2011.

The Wetsus Congress attracted more than 500 visitors. On day 1, the theme was; **“Cooperation in innovation, a global requirement?”** Speakers with diverse backgrounds presented their view, from a water technology perspective. Some of the speakers this first day were, amongst others: Judith A. Merkies, member of European Parliament, Hank Vander Laan, Founder and Senior Adviser Trojan Technologies Inc., dr. Eppo Bruins, director Technology Foundation STW and drs. Renske Peters, director Water Affairs of the Ministry of Infrastructure and the Environment.

Day 2 was dedicated to technical topics, two key speakers were invited for the plenary session: Prof. Eilon Adar (Israel) who talked about “Progressive development of scarce water resources for sustainable water supply for the agricultural sector” and Prof. Benny Freeman, whose presentation was “Surface Modification of Membranes to improve fouling resistance”. Topics like desalination, value from waste water, and energy from water, were also covered during the Congress.

SusChem was presenting the “ChemWater” CSA (Coordination and Support Action) FP7 project as the result of the cooperation with WssTP, developing an envisioned strategy that addresses the efficient management of water in the European process industry.



## OTHER NEWS

- » Cefic participated on January 27<sup>th</sup> 2012 to the “II Forum EIP on Water” organized by the Centre for the Industrial Technology Development, which is the organism in charge of the Framework Programs from the new Ministry of Economy and Competitiveness in Madrid/Spain. They made a presentation about the EIP on Water on behalf of SusChem and about ChemWater project. The Officer of the EIP on Water and SusChem were invited.
- » The 6<sup>th</sup> World Water Forum will take place in Marseille, France on March 12 – 17<sup>th</sup> 2012. The goal is to tackle the challenges our world is facing and to bring water high on all political agendas. There will be no sustainable development while the water issues remain unsolved. Everywhere on the planet, for all and everyone, the Right to Water (recognized by 189 states at the UN one year ago) must be guaranteed and implemented. Please learn more on: [www.worldwaterforum6.org/en](http://www.worldwaterforum6.org/en)
- » i-SUP2012 invites you to Bruges from 6<sup>th</sup> to 9<sup>th</sup> May, 2012, to discuss and present your ideas and results on Cleantech leading to climate change adaptation and mitigation and a sustainable world. Together with stakeholders from policy, society, industry and research we will plan and design new energy systems, new transport and mobility concepts, sustainable industrial processes for materials and chemicals, and we will work on new urban and rural plans based on sustainable principles. Durk Krol, the Director of the WssTP and ACQUEAU will be the keynote speaker and give a presentation about “The importance of water for industry”. More information on [www.i-sup2012.org](http://www.i-sup2012.org)

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