

Interview with partners

DECHEMA, CEFIC, TNO

SUEZ ENVIRONNEMENT, EMH

VITO, UCM, CU, ENMIX, VEOLIA, ERIC

DECHEMA

"Working towards eco-efficient management of water in European chemical industry needs an ongoing cooperation of chemical process industry and water industry to realize the innovation potential of the action lines identified and initiated by ChemWater."

Cranfield University

"The ChemWater project has offered an excellent environment within which to explore greater integration between Europe's chemical and water sectors. The workshops provided a particularly fruitful opportunity to learn more about the ambitions of the chemical industry and the challenges it faces in advancing sustainable production and consumption cycles. We've been impressed with both the variety of perspectives represented during the workshops and the quality of debate which has generated innovative thinking and opportunities for ongoing collaboration."

ENMIX

"The ChemWater project was an excellent opportunity to cooperate with the two our networks ERIC and EMH - in addition to the interaction and collaboration with all other partners within the ChemWater consortium. The second ENMIX workshop was successfully arranged in cooperation with EMH at Vatnahalsen (Norway) in September 2011. The common project work devoted to the "Joint Research and Development Roadmap (JR & DR) on Water in Chemical Process Industries Across NoEs" gave us an comprehensive overview with respect to the waste water treatment related to the chemical process industry. This represents a very good platform in order to initiate R&D projects dedicated to this topic. Furthermore, we look forward to a fruitful final ChemWater Review Meeting in connection with the ChemH2O2013 Conference, to be held in Madrid, October 1-2, 2013, hopefully giving rise to new perspectives and opportunities for future cooperation. Finally, ENMIX would like to arrange, together with ERIC and EMH, a common "Water Workshop devoted to the Chemical Process Industry" in connection with the launch of Horizon 2020, as initiated by Prof. Gilbert Rios."

UCM

"ChemWater comes to an end. We, in the UCM, believe that the results obtained will have an actual influence on near future research policies by contributing to the creation of a solid bridge between the chemical and the water sectors. I can ascertain without doubt that the key to the success of this initiative relies on two facts, the collaboration among the partners in the consortium and the active engagement of all participants to bring in the contributions from relevant external actors and organizations. We definitely look forward to future coordination and research initiatives with this team."

TNO

After intensive cooperation, public and private partners developed a long term Vision. It envisions sustainable water for chemical industry and a roadmap to come there. To implement this vision we have to follow the proposed routes for R&D, innovations, demonstrations and remove road blocks by new initiatives, which will be set up under the Horizon 2020 programs!

VITO

VITO strongly valued the multidisciplinary character of the Chemwater network. The project was situated at the intersection of innovative material research and the industrial perspective on future process and water challenges. The bringing together of those two worlds really enabled the alignment of research priorities and opened the pathway to set up more integrated approaches. The attention for non-technological aspects also forced us to look behind the research activities and analyse the story behind the success stories or failures.

VEOLIA

One of the most interesting feedback from Chemwater is to have create a network of experts from industry, institute and university coming from chemical industry, water world and some experts (as in catalyst for example) thanks to a strong input of industrial partners. We can exchange on vision of 2050 needs for water in industry including, technological, economical and environmental points of view. Veolia had also the opportunity to communicate on the already existing industrial water management and recycling of industrial waste water and reuse of municipal waste water for industrial applications in order to clearly show the current technical baseline nowadays and the early achievement in order to well define the technical challenges for 2050.

EMH

"For the EMH, the ChemWater project was an excellent opportunity to strengthen the links established since 2006 with

the two other NoEs /Networks - IDECAT/ERIC on one side and Insidepores/ENMIX on the other side-, and to reinforce the idea that all these smart technologies correctly integrated represent for Europe a unique tool to develop the breakthrough systems and processes which our societies need for facing correctly with their future. One main challenge is undoubtedly sustainable development , with a correct integration of industrial activities with other ones such as agriculture, city development.... The main point here will be to preserve a free and guaranteed access to water for all ! Undoubtedly a great field of application for the smart technologies here above mentioned, which will ask for a holistic approach associating all the actors of the platforms , with a special attention to SUCHEM (chemistry , industry) and WssTP (water). The matrix vision at the based of Chemwater was a perfect frame to do that. As an outcome of the work done together, we would like to arrange together with ERIC and ENMIX, a common "Water Workshop devoted to the Chemical Process Industry" in connection with the launch of Horizon 2020. Different platforms and other new instruments (EIP, PPP...) would be invited to participate."

CEFIC

"The ChemWater project is the perfect tool to realize the current state of the art in water technologies for industrial applications, not only in the Chemical sector, but also in Mining, Steel, etc. and learn how these sectors can capitalize on the synergies of working together to address the future challenges of industrial water management in Europe and make the Vision 2050 become a reality"

SUEZ ENVIRONNEMENT

Chemwater project was one of the first European initiatives resulting from the collaboration of Technology platforms (WssTP and SusChem)

It was successful in gathering all actors of the industrial water cycle and technical contributors from Excellence networks during 30 months for elaborating a shared strategy supporting the sustainable use of water as final aim. The approach was also made innovative by highlighting from fruitful discussions and next analysis, the opportunities and benefits of cross contributions from the water and process industry fields. We, within Suez Environnement, are strongly convinced that both this special project environment and the ensuing outcomes constitute a sound basis for next enhanced collaborations for in field fast improvements and innovations on a longer term, all serving the close integration of water management in industry plants.