

# **Interspill 2015 – Science workshops**

## **Bioremediation (SW 2)**

### **Biographies**

#### **Nicolas Kalogerakis (Chairman)**

Dr. Nicolas Kalogerakis is a Professor of Biochemical Engineering at Technical University of Crete. Prior to that, he was a Professor at State University of New York in Buffalo (USA) and at the University of Calgary (Canada). He holds a Diploma in Chemical Engineering from National Technical University of Athens, a Masters from McGill University and a PhD from the University of Toronto. His area of expertise includes bioremediation and phytoremediation technologies for the restoration of contaminated sites, wastewater treatment and mathematical modeling of environmental processes. Currently his group is participating in 4 EU funded research projects (FP7 & H2020) and he is the coordinator of KILL\*SPILL, an FP7 project on the bioremediation of marine oil spills. Professor Kalogerakis has a strong publication record that includes four patents, one book, 150 papers in referred journals and more than 140 presentations at international scientific conferences. He has more than 4500 citations with an h-index of 37.

Currently he is the Vice-President of the University Council and Sherpa in the European Commission, High Level Group on Key Enabling Technologies (2013-2015).

#### **Ronan Jézéquel**

Having studied marine chemistry, Dr. Ronan Jézéquel joined Cedre (Centre of Documentation, Research and Experimentation on Accidental Water Pollution) in 1997 for a long term voluntary internship which subsequently granted him access to a postgraduate course in Marine Chemistry. Ronan Jézéquel was enlisted by Cedre in 1999 as a conscript, before joining the team in 2000 as a PhD student, then as an employee in 2003.

Ronan Jézéquel works for the Research Department, within which he is in charge of studies on the medium and long term behaviour of heavy oils. The different experiments (laboratory-based and in situ) which he has overseen have enabled him to acquire an expertise in the chemistry of oil and in analysis techniques demonstrating natural oil weathering processes (biodegradation, photooxidation). He is also in charge of studies dedicated to the In Situ Burning of oil as well as the bioremediation of contaminated shoreline. In addition to his work as a research engineer, Ronan Jézéquel has also been a member of the Emergency Response Team during 3 years as a first-line duty officer.

## **Svein Ramstad**

Svein Ramstad obtained a Master of Science from the Norwegian Institute of Technology in Chemistry and Biotechnology in 1981 and a PhD in 1993 from the Norwegian University of Science and Technology in Industrial Biotechnology. He was research assistant at the Norwegian University of Science and Technology from 1982 to 1992 and scientist at SINTEF from 1985 to 1992. He became senior Scientist at SINTEF Environmental Technology in 1992 and still holds that position. From 1995 to 2005, he was lecturer on Arctic technology at the University Studies at Svalbard (UNIS). He has been lecturer on Environmental Organic Chemistry at the Norwegian University of Science and Technology (NTNU) since 2009.

SINTEF Environmental Technology is today a multidisciplinary research group of approximately 60 people working on most aspects of acute and chronic release of contaminants (i.e. oil) into the marine environment. Within that institute, Svein Ramstad has been working on large industrial programs (ESCOST/BIOREN/ITOSS) on the use of biotechnological techniques to stimulate degradation and cleanup of oil from contaminated sediments. He focusses on meso-scale experimental systems to simulate the main environmental parameters under controlled and reproducible conditions and conducts verification through large scale field experiments at Svalbard.