



Workshop  
18–22 June 2018

# ExoOceans: Space Exploration of the Outer Solar System Icy Moons Oceans

## Conveners

Cavalazzi Barbara, University of Bologna, Italy  
Coustenis Athena, Observatoire de Paris-Meudon, France  
De Leeuw Jan, NIOZ, Utrecht University, The Netherlands  
Hand Kevin, NASA JPL, Pasadena, USA  
Hayes Alexander, Cornell University, Ithaca, USA  
Olsson-Francis Karen, Open University, Milton Keynes, UK  
Postberg Frank, University of Heidelberg, Germany  
Raulin François, LISA, Paris-Est Créteil Université, France  
Rodrigo Rafael, ISSI, Bern, Switzerland  
Sotin Christophe, NASA/JPL (Caltech), Pasadena, USA  
Tobie Gabriel, Université de Nantes, France

This Workshop will investigate “ExoOceans”, worlds that have the potential to harbour undersurface liquid water oceans and their astrobiological implications, partly based on the present understanding of the origin and development of life on Earth in ancient hydrothermal vents 4 billion years ago. With the participation of leading experts in the fields of marine biology, Astrobiology, planetary sciences, oceanography (among other), this Workshop will enable us to revisit all aspects related to this subject, and will investigate the question of possible long-term improvements in the relevant technologies.