With more than 2 billions people living close to the coasts and most of the global trade crossing the seas, the concept of "ocean’s health" is being adopted to express how the anthropic pressure over the seas is of increasing concern. Five of the seventeen UN Sustainable Development Goals are linked to the oceans which somehow resume the variety of pathways connecting our society with the marine environment. Water quality and marine pollution, usually considered by policy makers and authorities mostly in relation with coastal areas, are now seen as problems of global extent exemplified by the widespread distributions of plastic and marine debris. On another context, maritime safety and efficient navigation are crucial to reduce pollution and greenhouse gases emissions. Indeed, search and rescue operations at sea have dramatically increased associated to the precarious migration through seas trying to run away from wars and social conflicts, as it presently happens in the Mediterranean. In all these problems we need to develop specific methodologies and tools to provide an efficient assessment that can be used either to prevent or to respond adequately.

MAPMAS aims at providing a common forum to identify strategies and assessment methodologies to face problems related with the marine environment: marine pollution impacts, sources of risk, emerging pollutants, restoration and remediation measures and improvement of maritime safety operations. All share in common the need to rely upon marine observational networks and management tools. The goal is to stimulate the transfer from scientists to stakeholders from a cross-disciplinary interaction among specialists on different fields. The topics to be addressed are:

- Oil Spills and shipwreck risk: oil spills, shipwrecks, ...
- Maritime Safety: search and rescue, traffic, navigation, ...
- Marine Pollutants: plastics, marine litter, emerging aquatic pollutants, heavy metals, ...
- Ecological impact: assessment tools, vulnerability maps, remediation and restoration of degraded marine ecosystems, ...

http://mapmas.icm.csic.es/
General information

Place MAPMAS will be held in Barcelona (Spain) at the Institute of Marine Sciences (ICM-CSIC).

Dates 3rd - 6th October 2017

Scientific Committee J.A. Jiménez Madrid (UPC), E. García-Ladona (ICM-CSIC), J. Ballabrera (ICM-CSIC), E. Berdalet (ICM-CSIC), S. Kuikka (UHEL), A. Palanques (ICM-CSIC), M. Solé (ICM-CSIC), A. Padial (SASEMAR), M. García Sotillo (Puertos del Estado)

Local Organiser Committee J. A. Jiménez Madrid (UPC), E. García-Ladona (ICM-CSIC), J. Ballabrera (ICM-CSIC), E. Berdalet (ICM-CSIC), N. Figueras (ICM-CSIC)

Web http://mapmas.icm.csic.es/

Deadline for registration September 13

Inscription fee 100 euros.

Information Please, send your questions to mapmas@icm.csic.es

Invited speakers

Nikolai Maximenko (Hawaii University) Circulation of marine debris from the 2011 tsunami in Japan studied with a synthesis of numerical models and observational reports

Ian MacLeod (Western Australian Museum) Modelling decay of WWII iron shipwrecks and prediction of collapse during severe storms

Sakari Kuikka (University of Helsinki) Modelling oil spill impacts in the Gulf of Finland

Markku Viitasalo (SYKE. Finnish Environment Institute) Biodiversity inventories support protection and sustainable use of the marine ecosystem – case studies Finland and Zanzibar

Background Photo: Marine debris (©NOAA)