

2012/3/SSSHIE02 A Symposium on “Pollution Responses on Marine Organisms” will be held from 5–8 May 2013, at the University of Algarve Portugal with Maria Bebianno, Lucia Guilhermino, Leonor Cancela (Portugal), and Matthew Gubbins (UK) as Conveners.

A Scientific Steering Group has been established with Katrin Vorkamp (DK) as ICES representative.

Supporting Information

Priority:	This symposium has high priority for ICES because it deals with the biological effects of old and emerging contaminants and their effects at several levels of the biological organization. Key note lecturers on The Interconnections between the Oceans and Human Health, effects of metals, nanoparticles in fish and Epigenetic Modifications Induced by Environmental Endocrine Disruptors and Stress will bring science into a new dimension of the effects of traditional and emerging contaminants. The results of the conference will provide excellent scientific input for ICES recommendations to Environmental Policy, for the Marine Strategic Framework Directive and specifically for ICES Working Groups on contaminants. The conference topics are relevant for the further development of ICES Strategic Plan. Some of the topics namely epigenetic and exposome and exposomics have potential to open a new field of marine science. Others like effects of emerging contaminants and their modes of action, like endocrine disruption will accentuate current science activities in ICES. Most of the research that will be presented will reinforce the relationship to Regional Conventions and the Marine and Maritime Research Strategy of the European Union.
Scientific justification:	The main objective of this conference is to promote discussions of high scientific quality among a worldwide audience. Participants will include a number of prominent experts as well as early career researchers in the field of aquatic ecosystems contamination and mechanism of effects of xenobiotics on wildlife with the aim to identify pressures on marine ecosystems and effects on their living resources. The conference will provide an international and friendly forum for exchanging state-of-the-art information, knowledge sharing, and networking, with focus on xenobiotics, modes of action and relevance to the ecosystems with the aim of enhancing advancing scientific capability and their relation to humanity. Session Topics will include Cellular absorption, distribution, metabolism and elimination, Ocean acidification / Climate change, Oceans and Human health, Ecotoxicology of large marine vertebrates, Epigenetics, Exposome and Exposomics, Emerging compounds / Nanomaterials, Endocrine disruption, Geno- and phenotoxicity, Tissue levels and immune responses, Combination effects of environmental stressors, Detection and monitoring of biological effects of deliberately dumped chemicals at sea, Ecosystem-level effects, Computational Toxicology.
Resource requirements:	There will be significant resource requirements, most of which will be met by the imposition of a Conference Fee. ICES funds are requested to support travel and subsistence of the ICES convener, keynote speakers, early career scientists from ICES member countries.

Participants:	From Belgium, Canada, Denmark, Finland, France, Germany, Iceland, Ireland, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, the United Kingdom, and the United States of America and other countries like Italy, Switzerland, Croatia, Czech Republic, Brazil, Mexico, Hong Kong, China, Australia, South Korea, Japan
Secretariat facilities:	The Secretariat may be involved in general professional and secretarial support, and the Secretariat may provide technical assistance during the Symposium.
Financial:	Funding is requested of up to 5 K Euro to cover the travel and subsistence costs for the ICES convener, invited speakers, students and early career scientists from ICES member countries and secretariat participation.
Linkages to advisory committees:	The topic of the conference is of direct relevance to the Regional Conventions in the ICES area and indirectly to ACOM providing scientific advice.
Linkages to other committees or groups:	The symposium topic is directly related to the remit of ICES MCWG, WGBEC and WGMS.
Linkages to other organizations:	OSPAR and EU on Water Framework and Marine Strategic Directive and EU Environmental Policy
Publication of proceedings	The conveners do not request the IJMS for the proceedings. Selected presentations were previously published as peer reviewed papers in Aquatic Toxicology and Marine Environmental Research