

CALL FOR PAPERS

ELMAR-2012 Special Session on Sea and Port Ecology

This special session should contain papers based on scientific research on Adriatic Sea conducted through many national and international projects.

Among research topics are: natural and anthropogenic influences on assessments and ecological relationships in Adriatic Sea; preservation of biodiversity and management of Adriatic's rich life forms; research of interactions of atmosphere, hydrosphere and geosphere; geological surveys and research of development possibilities of mariculture in Croatia.

Seabed research is being performed for new gas deposits and gas production. Environmental and health protection as well as human safety regulations are embedded in all activities according to national and international legislation.

Impact of economic activities on costal sea, biodiversity, as well as the impact of unusual (natural) phenomenon that endanger human health, tourism, fisheries and other economic activities is researched. Further on, development of technologies and instruments for observation, monitoring, use and protection of Adriatic Sea is researched, as well as the development and the application of various techniques and instruments for other research and projects.

The general goal of this special session should therefore be presentation of solution for:

1. the use of equipment and laboratory instruments for physical and chemical sea environment property analysis;
2. computer processing and classification of oceanographic data;
3. application of numerical modeling for oceanographic parameters determination - flow rate, salinity, temperature, dissolved oxygen level, fecal colyphormes and streptococcus, for determination of conformity of existing monitoring systems with European water directive (2000/60/EC);
4. sea pollution control by control of construction, restoration and improvement of sewage and drain water systems in coastal cities, ports and settlements;
5. protection and management of marine resources;
6. enabling of high ecological standards in sustainable development decision systems for marine and coastal region especially in municipalities and counties.

Special Session Organizer:

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