



# MARINE ENVIRONMENTAL RISK MANAGEMENT

**A half-day workshop to showcase the state-of-the-art and emerging capabilities in Marine Environmental Risk Management and to highlight opportunities for the development of future applications.**

**Date:** 24th September 2008, 12:00 to 17:00

**Venue:** Admiral's Room, Royal Southampton Yacht Club, Southampton, SO14 3QF, UK

For directions please visit: [http://www.rsyc.org.uk/club/oceanvillage\\_css.html](http://www.rsyc.org.uk/club/oceanvillage_css.html)



The workshop will start at 1300 but please join us from 12:00 for a buffet lunch.

There is no charge for the event but please register your intention to attend.

[TO REGISTER PLEASE CLICK HERE](#)

# 1 WORKSHOP RATIONALE

There is growing interest around the world in deploying a variety of networked sensor systems. These can capture data describing environmental status and indicating potential hazard. This interest is fuelled by growth in both environmental stresses and their resulting liabilities for companies, authorities and the public.

As a result, there is a growing investment in research in the field of sensor networks, and recent progress in applying such technologies in the field. But this work is highly diverse, covering a wide range of sensing technologies and potential applications.

Marine SE are co-hosting this very topical half-day workshop offering an update on advances in management of coastal and bathing water quality. This free-of-charge event brings together users of new tools for water quality management with experts in critical areas of technology development. We propose the following benefits to workshop attendees:

- Local authorities, statutory bodies and other users will hear about advances in tools for contaminant risk forecasting, about emerging capabilities in bio-sensing, and about novel platforms for acquiring data over large marine protected areas;
- Application developers will hear about evolving requirements for decision support, driven by expanding requirements for ecosystem-based risk management; they will also hear about advances in sensor networking and data assimilation techniques;
- Researchers and technology developers will hear about emerging requirements for advanced sensors and their associated platform technologies, and about evolving standards in web services through which sensed data can be exploited.

Short 'briefing' presentations by representatives of all the above will update those present on recent advances and activities. Relevance of new capabilities, and areas of potential collaboration, will be explored in discussion periods, and a final facilitated discussion will develop ideas for future developments needed. In addition, one of the major European projects in the field, SANY ([www.sany-ip.org](http://www.sany-ip.org)), will provide a live demonstration of their latest developments in water quality forecasting.

This workshop coincides with the nearby **Unmanned Underwater Vehicle Showcase** being held at the National Oceanographic Centre. Attendees can view the latest developments in sensor platforms at this free of charge event. [UUVS 08](#)

[TO REGISTER PLEASE CLICK HERE](#)

## 2 WORKSHOP PROGRAMME

The workshop will comprise presentations and discussions in three sessions.

	Title	Topics
<b>Session 1</b>	Sensing & Data Acquisition Technologies	<ul style="list-style-type: none"><li>• Developments in Environmental Sensor Technology</li><li>• Bio-sensors &amp; Micro-sensors</li><li>• Sensor platforms</li><li>• Advances in remote sensing</li></ul>
<b>Session 2</b>	Risk Forecasting Applications	<ul style="list-style-type: none"><li>• State- of- the-art in data fusion</li><li>• Web service architectures &amp; standards</li><li>• SANY integrated project – bathing water management</li></ul>
<b>Session 3</b>	Future Risk Forecasting Requirements	<ul style="list-style-type: none"><li>• Emerging needs &amp; capabilities of interest</li><li>• EU Maritime Policy – ecosystem approach</li><li>• Impact of marine renewable energy infrastructure</li><li>• Priority research activities</li></ul>

[TO REGISTER PLEASE CLICK HERE](#)

There is no charge for attendance

This event is hosted by Marine South East Ltd, and is partly supported by the European Commission through the S@NY IP <http://www.sany-ip.org/> and by SEEDA through the EDSnet Knowledge Network Programme <http://www.southeastknp.co.uk/>