



**Title:** Marine/Coastal Spatial Data Infrastructures (SDI) Best Practice

**Presented by:** Roger Longhorn, Info-Dynamics Research Associates Ltd

**Venue:** University Halls, Raintree Room, James Cook University, Townsville

**When:** Tuesday 20 April, 2010, 8:30 to 5:00 PM

**Background:** This workshop looks at Coastal & Marine Spatial Data Infrastructures (CSDI/MGDI) in those few nations where they exist, the challenges faced in creating these thematic SDIs, and the solutions adopted and progress to date in overcoming those challenges. It is important that marine/coastal management practitioners, researchers and decision makers are involved in national SDI initiatives from the outset. This workshop explains why - shows how - and discusses the dangers of not actively participating in those initiatives, based on lessons learned to date at national and regional (European) levels. The role of, and progress towards, Coastal Web Atlases (CWA) in national and regional SDIs will also be examined, in relation to the International Coastal Atlas Network initiative..

**Workshop Aims:** Best practice from approaches to CSDI made in Canada, the USA, the UK, at European regional level, the UN and elsewhere will be presented, covering such issues as the impact of national and international data standards, data policy (access, sharing, charging, etc.) and economic realities. Participants will learn how to use the checklist for “Coastal & Marine SDI Preparedness” in their own organisations, as a guide to ensuring that marine and coastal spatial data issues are adequately addressed in national SDI and e-Government initiatives. Tools and best practice guidelines from the International Coastal Atlas Network (ICAN) will also be presented.

**Target audience:** Professionals and researchers in charge of implementing spatial data discovery, access and use/re-use activities within their organizations or agencies, and who are also required to follow current regional or federal e-government information provision guidelines. For the research community e-Gov may not be as important, but the rest of the content should be.

**Biography:** The workshop presenter is Roger Longhorn, Director of Info-Dynamics Research Associates Ltd, based in the UK and Belgium. Roger is also Information Policy Advisor for EUCC – the Coastal and Marine Union, leader of the EUCC Information & Data Management Working Group, Chair of the GSDI Association’s Legal & Socioeconomic Working Group, and co-Leader of the Steering Group of the International Coastal Atlas Network (ICAN). In 2009, he completed a 6-month consultancy with UNESCO’s Intergovernmental Oceanographic Commission (IOC) International Oceanographic Data and Information Exchange (IODE) project, which included a Marine/Coastal SDI component for the IODE Ocean Teacher programme and support for the IODER African Marine Atlas and Caribbean Marine Atlas projects.

Roger currently serves in an advisory or support capacity on several pan-European SDI projects and works closely with hydrographic organisations in projects linking land-based and hydrographic data at the coastline. Author of chapters on Coastal and Marine SDI in three books and numerous conference papers on the topic, spanning 15 years, Roger is an acknowledged international expert in geospatial data policy and SDI, and currently provides support for the UN's global SDI initiative (UNSDI) and implementation of Europe's pan-European SDI INSPIRE Directive. He has been involved in the CoastGIS conference series since 1997 and ICAN since 2007. He holds BSc and MSc degrees from M.I.T. in Ocean Engineering and Shipping Management.

## Agenda:

### ***Spatial Data Infrastructure (SDI)***

- Why is information infrastructure important & what is an SDI?
- The key drivers for developing an SDI.
- Information policy and e-government links.
- The role of key players and "SDI champions".
- The impact of different forms of SDI governance on success.

### ***SDI Cost-Benefits***

- Brief introduction to alternative cost-benefit analysis (CBA) methodologies.
- Examining SDI costs & estimating benefits – tangible and intangible.
- Applying a proposed SDI cost-benefit analysis methodology.

### **Current Best Practice for CSDI/MGDI**

- The history of Coastal/Marine SDI initiatives.
- What is unique about Coastal/Marine SDI (CSDI/MGDI)?
- CSDI/MGDI as part of national SDI – investigating the relationships.
- National, regional and international experiences with CSDI/MGDI.
- The CSDI/MGDI Best Practice Checklist – how does your organisation stand?

### **Coastal/Marine SDI Standards**

- Standards relevant to CSDI/MGDI and recent developments/on-going projects (IHO S-100, OGC sensor webs, etc.).

### **Recommendations for CSDI/MGDI data themes.**

- Comparing key data themes across nations and regions.
- Coastal/marine data themes to be included in national SDI in order to implement CSDI/MGDI

### **Coastal/Marine SDI Readiness Index**

- Are you ready for SDI?

**Expressions of Interest should be sent to** Debora De Freitas ([freitas.debora@gmail.com](mailto:freitas.debora@gmail.com) - 47816282) and Jorge Alvarez-Romero ([jorge.alvarezromero@jcu.edu.au](mailto:jorge.alvarezromero@jcu.edu.au)) by **31<sup>st</sup> March**.

**Cost:** No cost applies; limited places available.

**Seminar advices are now posted on our website:** <http://www.coralcoe.org.au/events.html>