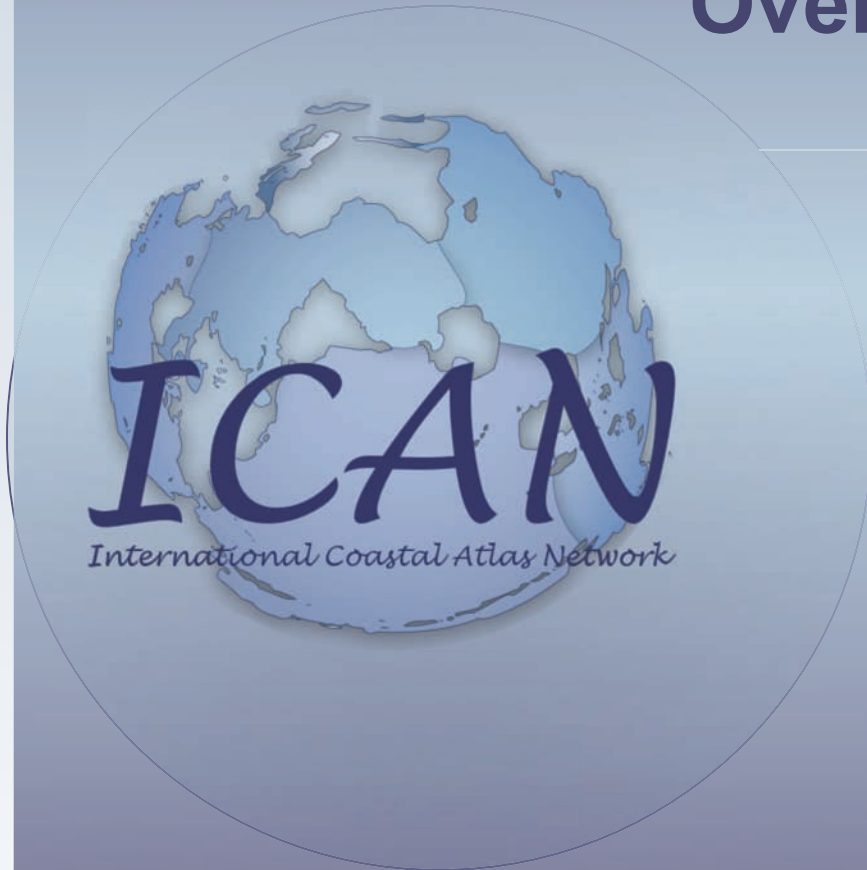




Overview of ICAN to date for new participants



Ned Dwyer
*Coastal & Marine Research Centre,
University College Cork, Ireland*

Dawn Wright
Oregon State University, Corvallis, USA



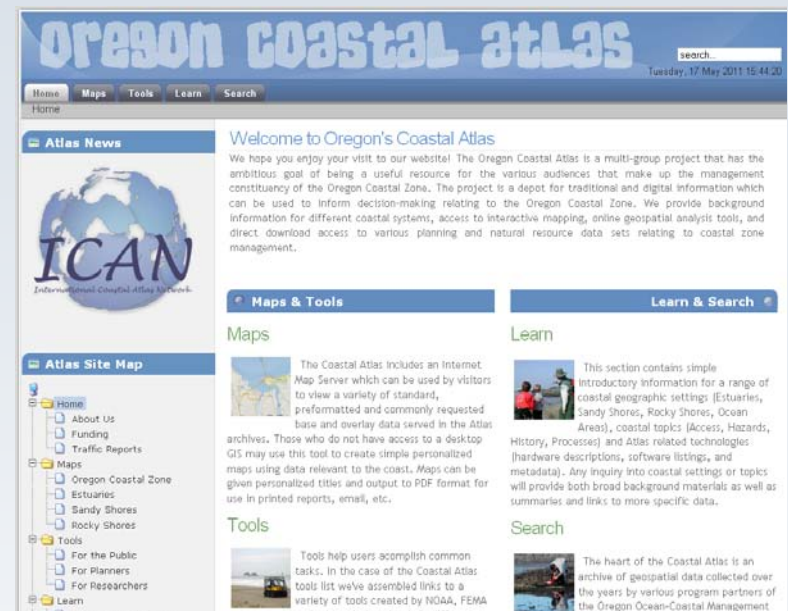


Emergence of “Coastal Web Atlases”

Marine Irish Digital Atlas
mida.ucc.ie



Oregon Coastal Atlas
www.coastalatlases.net





Decision to organise two workshops

- Issues of regional maritime governance
- Significant expertise, varying approaches
- Little done to compile/assess efforts
- Best approaches to atlas implementation
- Widespread solutions needed
 - Access to and documentation of data
 - Integration of tools
 - Decision support for coastal management
 - Making atlases interoperable





What is a Coastal Web Atlas?

“A collection of digital maps and datasets with supplementary tables, illustrations, and information that *systematically illustrate* the coast, oftentimes with cartographic and decision support tools, all of which are accessible via the Internet.”

(O’Dea et al., 2007)



Transatlantic Workshops 2006 - 2007

Shared experiences

Shared know-how

Networking

Workshop reports

Idea to establish ICAN

OSU Oregon State University

Coastal & Marine Resources Centre
Small Inland Waters Centre
ERI
UCC
CMRC

Report on
Coastal Mapping and Informatics
Trans-Atlantic Workshop 1:
Potentials and Limitations of Coastal Web Atlas

24th - 28th July 2006
University College Cork
Cork, IRELAND

Co-sponsors:
NATIONAL SCIENCE FOUNDATION
Marine Institute
NATIONAL DEVELOPMENT PLAN

OSU Oregon State University

Coastal & Marine Resources Centre
Small Inland Waters Centre
ERI
UCC
CMRC

Report on Coastal Mapping and Informatics
Trans-Atlantic Workshop 2:
Coastal Atlas Interoperability

16th - 20th July 2007
Oregon State University
Corvallis, Oregon, USA

Co-sponsors:
NATIONAL SCIENCE FOUNDATION
Marine Institute
NDP
NATIONAL DEVELOPMENT PLAN



Goals of ICAN

- Ensure network has **wide representation** (developers/users)
- Develop technical & policy **guidelines** for atlas developers
- Highlight benefits of **interoperability & standards** based systems




Goals of ICAN

- Develop **collaborative projects** for sharing know-how, atlas implementation and demonstration
- Align atlas efforts to facilitate **interoperability**
- Engage with **other relevant projects** and developments
- Involve representatives of the **user** communities




Wide representation now over 50 members

WHO IS IN



ICAN
International Coastal Atlas Network

?

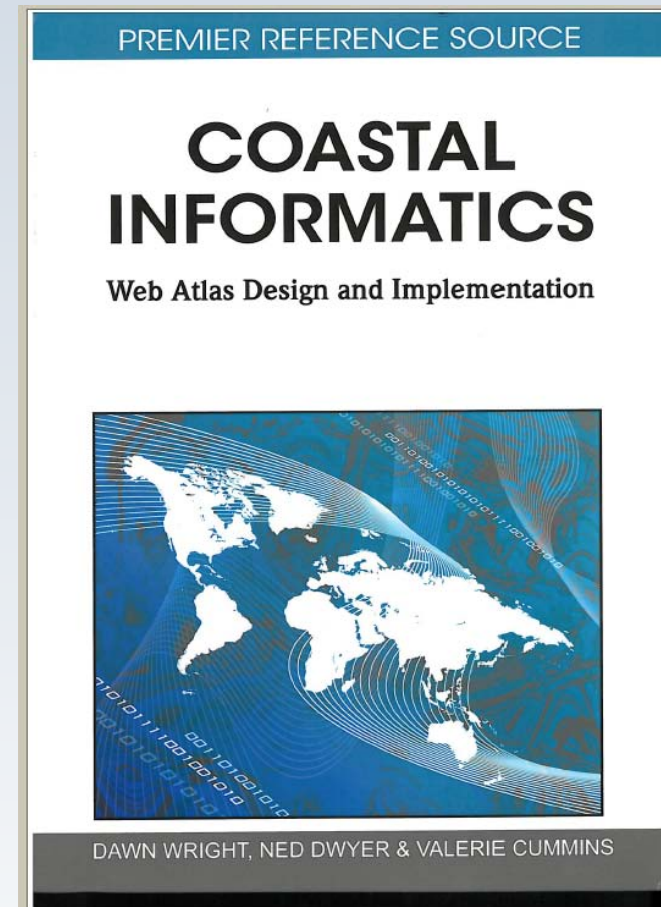


http://ican.science.oregonstate.edu/member_dir



Guidelines for Developers

- Principles of atlas design
- Case Studies around the world
- CWA Management and Governance issues



<http://ican.science.oregonstate.edu/handbook>



Addressing Interoperability

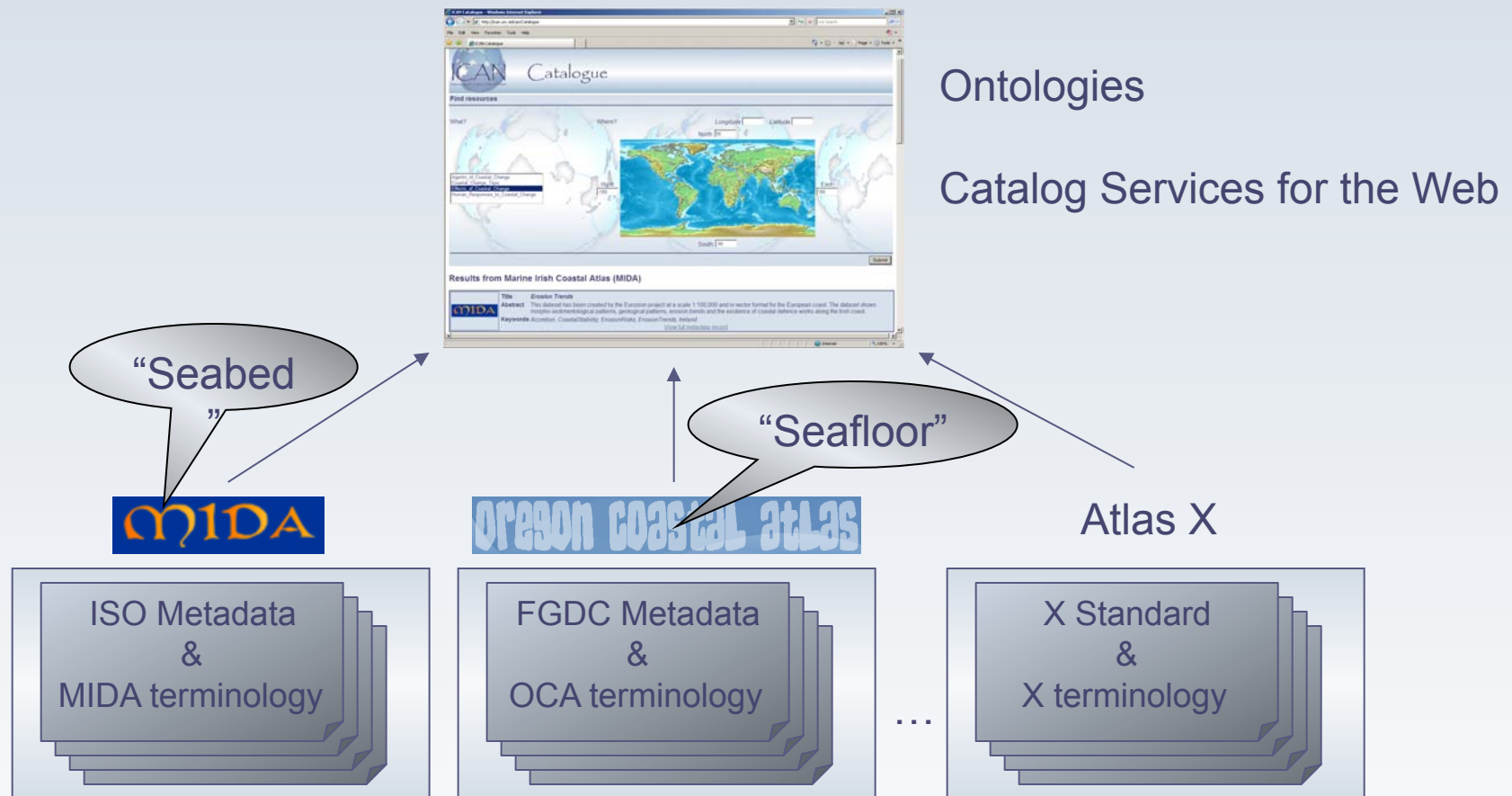
Connect individual coastal atlases to an integrated global atlas





Semantic Interoperability

Current focus on Metadata interoperability





Internet Resources

- ICAN Objectives
- Members
- Workshop reports
- Publications
- Handbook
- Working Groups
- Interoperability
prototype
- News

OSU Oregon State University

ICAN International Coastal Atlas Network

Promoting coastal web atlases worldwide for conservation, management, and governance.

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Tutorials,
Cookbooks

The International Coastal Atlas Network (ICAN)
Submitted by dawn on 6 March 2010 - 12:24am
[Read more](#)

Planning for ICAN 5 in Oostende, Belgium Underway!
Submitted by dawn on 17 April 2011 - 1:50am
The 5th International Coastal Atlas Workshop (ICAN 5) will be held at [UNESCO IOC IODE headquarters](#), 31 August to 2 September 2011, Oostende, Belgium, in advance of [CoastGIS 2011](#). The theme will be **Coastal Atlases as Engines for Coastal & Marine Spatial Planning**.

ICAN 5 will focus on coastal web atlases as engines that support and drive the coastal/marine spatial planning (CMSP) process, primarily in northern and southern Europe, the US, the Caribbean, and Africa. Participants will share progress on national and regional-level efforts to improve and build atlases in support of new national and regional CMSP directives. Other activities will include:

<http://www.icoastalatlases.net>



Training Events

Ocean Data and Information Networks

- Africa

African Marine Atlas Workshops

- Latin America

Caribbean Marine Atlas workshops

SPINCAM – Southeast Pacific

- United States

West Coast Coastal Atlas workshop

Great lakes Workshop 2010



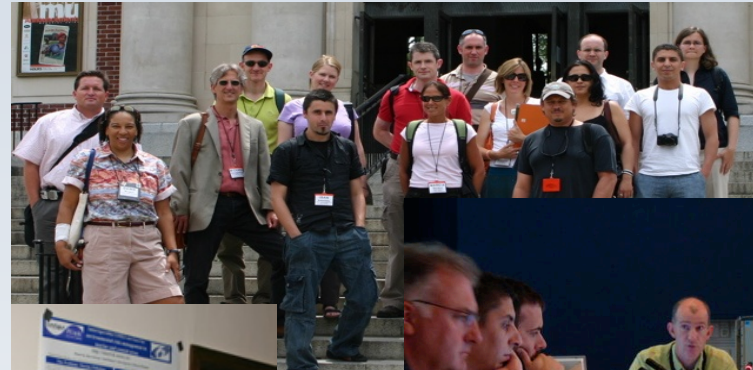
Intergovernmental Oceanographic Commission of UNESCO
International Oceanographic Data and Information Exchange





Member Workshops

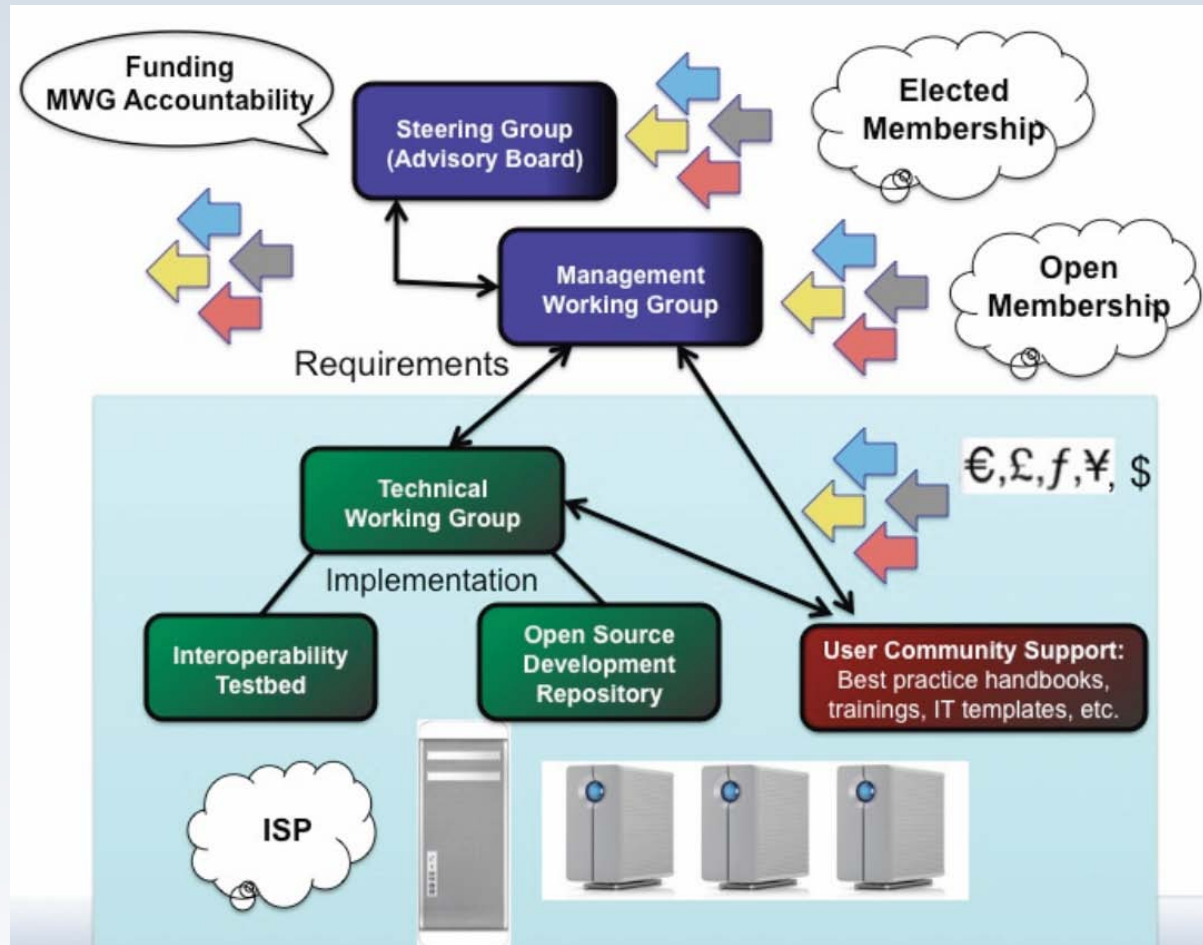
- Cork – 2006
- Corvallis - 2007
- Copenhagen - 2008
- Trieste - 2009
- Ostend -2011



Meetings section of ICAN web site



ICAN organisation and governance





What's in ICAN for you?

- Your CWA can be part of and **interoperable** with a larger universe of resources
- **Guidance** and **advice** for your own local CWA development
- Potential to **exchange** and **reuse** software and technical solutions developed using Open Source solutions



What's in ICAN for you?

- Great **publicity** for your individual CWA via the outreach efforts of ICAN
- Participate in **teaching** and **learning** activities organised by ICAN or other organisations in the CWA domain
- Possibility to **leverage funding** for collaborative projects among ICAN participants



Where next for ICAN?

- Governance activities
- Committee structures
- Pathways towards *sustainable* funding model
- Technical project development
- Awareness raising and publicity
- Outreach and training activities
- Documentation of resources, **tools**, expertise
- Further development of ICAN portal



ICAN is a collaboration
so your active participation
and contributions
are vital