

International Coastal Atlas Network Great Lakes Meeting



David Hart
Wisconsin Sea Grant
ICAN 5 – Oostende, Belgium
August 31, 2011



Overview

<http://www.aqua.wisc.edu/ican>

- The ICAN-Great Lakes meeting was held from September 13-15, 2010 at the Pyle Center on the University of Wisconsin-Madison campus.
- The meeting location in Madison allowed a focus on the benefits of networked atlases for management and restoration of the Great Lakes.
- Following the main meeting, there was a training session on atlas interoperability and a brief ICAN business meeting.



Topics

<http://www.aqua.wisc.edu/ican>

- Coastal Web Atlases and ICAN
 - impacts and outcomes of mature atlases
- Use cases for networked CWAs
 - definition, example, emerging use cases
- Promoting coastal atlas networks
 - CWAs and Digital Coast/IOOS/OGC
 - state, regional, national/international
- Creating robust web services and catalogs for CWAs
 - “hands-on” atlas interoperability training



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September 13 - 15, 2010

Pyle Center, Madison WI

International Coastal Atlas Network Great Lakes

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Meeting Organizers

International Coastal Atlas Network
University of Wisconsin Sea Grant Institute
Great Lakes Commission

Advisory Committee

Nate Booth, U.S. Geological Survey
Roger Gauthier, Great Lakes Commission
Tanya Haddad, Oregon Coastal Management
David Hart, University of Wisconsin Sea Grant
Brian Huberty, U.S. Fish and Wildlife Service
Tony LaVoi, NOAA, Coastal Services Center
Tim Nyerges, University of Washington
Mike Robertson, Land Information Ontario
Kathy Taylor, Washington Department of Ecology
Dreux Watermolen, Wisconsin Department of Natural Resources
Dawn Wright, Oregon State University



Attendance

<http://www.aqua.wisc.edu/ican>

- 52 people attended the meeting
 - Wisconsin (25)
 - Other Great Lakes States (13)
 - Other U.S. (12)
 - Canada (2)
- Sector
 - Federal (10)
 - Great Lakes Regional (3)
 - State/Provincial (15)
 - Local/RPC (4)
 - Academic (14)
 - Other (6)



Agenda

<http://www.aqua.wisc.edu/ican>

- Coastal Web Atlases and ICAN
 - Defined a CWA and provide an overview of ICAN.
 - Discussed methods to effectively discover, inventory, and leverage coastal atlases.
 - Examined methods to design and evaluate coastal atlases.
 - Showcased the impacts of mature CWAs in Washington, Oregon, California, Virginia, Maryland, and Ohio.

Mon., Sept. 13th
afternoon



Agenda

<http://www.aqua.wisc.edu/ican>

- Use Cases for Networked CWAs
 - Provided an overview of use cases for geospatial interoperability.
 - Examined an existing coastal erosion use case for coastal atlases.
 - Explored emerging use cases for networked CWAs such as marine spatial planning, climate adaptation, water quality, and evaluating Great Lakes restoration.

Tues., Sept. 14th
morning



Agenda

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- Promoting Coastal Atlas Networks
 - Describe how CWAs relate to broader initiatives, such as the Digital Coast, the Integrated Ocean Observing System, and the OGC-Interoperability Program.
 - Demonstrate integration of Great Lakes data from distributed sources to support decision-making.
 - Present lessons learned from the West Coast Atlas Workshop.
 - Breakout to explore creation of regional/topical coastal atlas networks.

Tues., Sept. 14th
afternoon



Agenda

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- Creating Robust Web Services and Catalogs for Coastal Web Atlases
Tom Kralidis, Environment Canada
 - Overview of OGC interoperability standards
 - Creating Web Map Services (WMS)
 - Creating Web Feature Services (WFS)
 - Implementing a Catalog Service utilizing GeoNetwork
 - Pulling the pieces together

Wed., Sept. 15th
morning



Supporting Materials

<http://www.aqua.wisc.edu/ican>

- Videos and powerpoints of the presentations
- Use case summaries for networked CWAs
- Flash drives filled with interoperability resources

A screenshot of the ICAN website for the September 2010 meeting. The page has a dark blue header with the text 'September 13 - 15, 2010 Pyle Center, Madison WI' and 'International Coastal Atlas Network Great Lakes'. Below the header is a search bar with a 'Search' button. A navigation menu on the left includes links for 'HOME', 'PROGRAM', 'SPONSORS', and 'CONTACT US'. The main content area is titled 'Program' and lists the schedule for Monday, September 13, 2010. The schedule includes a 1:00 pm 'Welcome' session with speakers Dawn Wright, David Hart, and Roger Gauthier, and a 1:15 pm 'ICAN Overview' session with Dawn Wright. A 1:45 pm 'Discussion: Promoting Discovery and Inventory of Coastal Web Atlases' session is also listed with speakers Josh Murphy and Mike Robertson. Links to powerpoint and video files are provided for each session.



Post Meeting Activities

<http://www.aqua.wisc.edu/ican>

- Conference Presentations
 - International Association for Great Lakes Research – Duluth, MN (May 2011)
 - Coastal Zone '11 – Chicago, IL (Jul. 2011)
- Webinars
 - Ecosystem-Based Tools Network Webinar on Atlas Interoperability (Dec. 2011)
 - Great Lakes Coastal Web Atlas Interoperability Webinar Series (...if WCA v2 is funded)
- Regional CMSP Activities
 - NOAA Program Partners – Identifying Products and Services to Support State-Led CMSP in the Great Lakes (Sept. 2011)