



# NEPTUNE Canada Workshop | June 2-4, 2011

PLENARY: West Harbour Ballroom, Harbour Towers Hotel  
345 Quebec Street, Victoria, BC Tel: 250.385.2405

## AGENDA

**Thursday, June 2**

8:30 – 8:45am REGISTRATION

### PART I – The Present

*Fern Johnson to do introductions & time keep*

8:45 – 10:00 WELCOME to Ocean Networks Canada and the NC Workshop Martin Taylor  
NEPTUNE Canada Overview Chris Barnes  
Infrastructure Successes, Challenges, and Plans Lucie Pautet  
Oceans 2.0 Progress and Plans Benoît Pirenne  
General Discussion and Questions *facilitated by Ann Gargett*

10:00 – 10:30 COFFEE BREAK (Oceans 2.0 demos)

*Taimi Mulder to do introductions & time keep*

10:30 – 12:45 **Facilitating Research Results** PLENARY  
Status Reports from Existing Research Teams  

- Barkley Canyon Hydrates Ross Chapman
- Biophysical Linkages Susan Allen
- Bullseye Vent Gas Hydrates Lisa Roach
- Disturbance in deep-sea ecosystems Kim Juniper
- Monitoring Endeavour-Middle Valley Hydrothermal Systems Rick Thomson
- Ocean Crustal Hydrogeology Earl Davis
- Seismograph Network Garry Rogers
- WCVI Coastal Marine Ecosystem Sally Leys
- West coast “tsunami-meter” Rick Thomson

12:45 – 1:45 LUNCH (Oceans 2.0 demos)

1:45 – 2:15 NC User Community (NCUC) Representative PLENARY Sally Leys  
*Role, membership, terms of reference, opportunity for input*

Workshop Goals Mairi Best

2:15 – 3:15 **Facilitating Research Results “How to Get Results”** BREAKOUT

General discussion by research theme  

- Ocean climate dynamics and impact on biotas *facilitated by Susan Allen*
- Plate tectonic processes and earthquake dynamics *facilitated by Taimi Mulder*
- Fluids in the ocean crust and gas hydrates *facilitated by R. Chapman/L. Thomsen*
- Dynamics of deep-sea ecosystems *facilitated by Kim Juniper*
- Engineering and computer science *facilitated by Dimitri Marinakis*

*Identifying successes/problems – discussing solutions /modifications.*

3:15 – 3:45	<i>COFFEE BREAK (Oceans 2.0 demos)</i>	
3:45 – 4:00	<b>Facilitating Research Results Discussion</b>	<i>PLENARY Rick Thomson</i>
	Planning of breakouts grouping for: A. Undersea Network B. Data Access/Formats/Accuracy & Instrument Access C. Turning Data to Knowledge	
4:00 – 5:30	<u>A. Undersea network (infrastructure &amp; instrumentation)</u>	<i>BREAKOUT</i>
	Breakout by groups determined at 3:45 – 4:00 plenary or by Research Theme <i>Identifying successes/problems – discussing solutions /modifications.</i>	
	• TBD	<i>facilitated by Susan Allen</i>
	• TBD	<i>facilitated by Taimi Mulder</i>
	• TBD	<i>facilitated by R. Chapman/L. Thomsen</i>
	• TBD	<i>facilitated by Kim Juniper</i>
	• TBD	<i>facilitated by Dimitri Marinakis</i>
5:30 – 7:00	<b>Facilitating Research Results – Reception &amp; Poster Session</b>	<i>PLENARY</i>
	Research Results and Ideas - <i>Posters to be up throughout the workshop</i>	
<b>Friday, June 3</b>		
8:30 – 8:45am	Progress Check-in & Plan for the Day	<i>PLENARY Susan Allen</i>
8:45 – 9:30	<u>B. Data Access/Formats/Accuracy &amp; Instrument Access</u>	<i>facilitated by Karen Bemis</i>
	<i>Identifying successes/problems – discussing solutions /modifications.</i>	
9:30 – 10:00	<i>COFFEE BREAK (Oceans 2.0 demos)</i>	
10:00 – 11:00	<b>Facilitating Research Results</b>	<i>BREAKOUT</i>
	<u>B. Data Access/Formats/Accuracy &amp; Instrument Access</u>	
	Breakout by groups determined at Thursday 3:45 – 4:00 plenary or by Research Theme <i>Identifying successes/problems – discussing solutions /modifications including data type (e.g. video/acoustic, CTD, matlab,etc)</i>	
	• TBD	<i>facilitated by Susan Allen</i>
	• TBD	<i>facilitated by Taimi Mulder</i>
	• TBD	<i>facilitated by R. Chapman/L. Thomsen</i>
	• TBD	<i>facilitated by Kim Juniper</i>
	• TBD	<i>facilitated by Dimitri Marinakis</i>
11:00 – 12:00	<u>C. Turning Data to Knowledge</u>	
	Breakout by groups determined at Thursday 3:45 – 4:00 plenary or by Research Theme <i>Identifying successes/problems – discussing solutions /modifications.</i>	
	• TBD	<i>facilitated by Susan Allen</i>
	• TBD	<i>facilitated by Taimi Mulder</i>
	• TBD	<i>facilitated by R. Chapman/L. Thomsen</i>
	• TBD	<i>facilitated by Kim Juniper</i>
	• TBD	<i>facilitated by Dimitri Marinakis</i>
12:00 – 12:30	<b>Summary Facilitating Research Results</b>	<i>PLENARY Ken Denman</i>
	<i>Presentations and discussion – Recommendations to NC on: A. Undersea Network B. Data Access/Formats/Accuracy &amp; Instrument Access C. Turning Data to Knowledge</i>	
12:30 – 1:30	<i>LUNCH (Oceans 2.0 demos)</i>	

## **PART II – The Future**

1:30 – 2:15	Regional Scale Nodes – US OOI Update Science Planning Committee (SPC) Representative <i>Role, membership, terms of reference, opportunity for input</i>	<i>PLENARY</i>	Deborah Kelley Susan Allen
2:15 – 3:00	<b>Planning the Future - Goals Discussion</b> <ul style="list-style-type: none"><li>• Sustenance and growth of the science community engaged in data analysis (research support)</li><li>• Earlier unfunded but highly ranked proposals</li><li>• Additional infrastructure and sensors</li><li>• Estimated costs, challenges, innovations, relevance and impact</li><li>• Organization and communication needed to develop major CFI MSI and CFI LEF proposals</li></ul>		<i>facilitated by Kim Juniper</i>
3:00 – 3:30	<i>COFFEE BREAK (Oceans 2.0 demos)</i>		
3:30 – 5:00	<b>Planning the Future - Sharing and Planning Ideas</b> Breakout by participant proposed research themes: <ul style="list-style-type: none"><li>• Coastal and water column processes</li><li>• Plate scale tectonic process</li><li>• Vent processes</li><li>• Microbial/benthic processes</li><li>• Animal-noise interactions</li><li>• Data and video research</li></ul>		<i>BREAKOUT</i> <i>facilitated by Ken Denman</i> <i>facilitated by William Willcock</i> <i>facilitated by David Butterfield</i> <i>facilitated by Casey Hubert</i> <i>facilitated by Michel André</i> <i>facilitated by Alexandra Branzan Albu</i>
<b>Saturday, June 4</b>			
8:30 – 8:45am	Progress Check-in & Plan for the Day	<i>PLENARY</i>	<i>Kim Juniper</i>
8:45 – 10:00	<b>Planning the Future - Development and Elaboration of New Proposals</b> Breakout by participant proposed research themes (above) or new liaisons that form. <i>Determining summary (innovation and relevance), people, needs, scale of budget, etc.</i> <ul style="list-style-type: none"><li>• TBC</li><li>• TBC</li><li>• TBC</li><li>• TBC</li><li>• TBC</li><li>• TBC</li></ul>		<i>BREAKOUT</i> <i>facilitated by Ken Denman</i> <i>facilitated by William Willcock</i> <i>facilitated by David Butterfield</i> <i>facilitated by Casey Hubert</i> <i>facilitated by Michel André</i> <i>facilitated by Alexandra Branzan Albu</i>
10:00 – 10:30	<i>COFFEE BREAK</i>		
10:30 – 12:00	<b>Future Planning - Discuss and Elaborate Proposals</b> Breakout by participant proposed research themes (above) or new liaisons that form. <i>Determining summary (innovation and relevance), people, needs, scale of budget, etc.</i> <ul style="list-style-type: none"><li>• TBC</li><li>• TBC</li><li>• TBC</li><li>• TBC</li><li>• TBC</li><li>• TBC</li></ul>		<i>BREAKOUT</i> <i>facilitated by Ken Denman</i> <i>facilitated by William Willcock</i> <i>facilitated by David Butterfield</i> <i>facilitated by Casey Hubert</i> <i>facilitated by Michel André</i> <i>facilitated by Alexandra Branzan Albu</i>

12:00 – 1:00	<i>LUNCH (Oceans 2.0 demos)</i>
1:00 – 3:00	<b>The Future</b> <i>PLENARY</i> <i>facilitator TBC</i> Presentation by participant proposed research themes or new liaisons that formed. <i>Presentations of proposal outlines</i>
3:00 – 3:30	<i>COFFEE BREAK (Oceans 2.0 demos)</i>
3:30 – 5:00	Provision for Meeting of NC User Committee & Science Planning Committee

**NEPTUNE Canada** is the regional ocean network of:



**OCEAN NETWORKS CANADA**  
A University of Victoria Initiative