

International Workshop on the Use of Remotely-Sensed Data as an Aid to Fisheries Research and Fisheries Management

March 26, 27 & 28, 2008, George Needler II Boardroom
Bedford Institute of Oceanography, 1 Challenger Drive, Dartmouth, Nova Scotia, Canada

Wednesday, March 26, 2008	
8:30 am to 9:00 am	<u>Trevor Platt</u> - Introductory Remarks
	Session 1: Earth observation ecosystem indicators to assess fish health, growth and recruitment (Chair: Alida Bundy)
9:00 am to 9:30 am	<u>Kimberly Hyde</u> , Jay O'Reilly and Kenneth Sherman - Application of SST and Ocean Color Products to the Management of Fisheries in Large Marine Ecosystems
9:30 am to 10:00 am	<u>Peter Koeller</u> , Cesar Fuentes-Yaco, and Trevor Platt - 2001: A Space Oddity - remote sensing of a large shrimp year class on the Scotian Shelf
10:00 am to 10:30 am	Break
10:30 am to 11:00 am	<u>Guoqi Han</u> - Grand Banks White Hake Recruitment in relation to the Labrador Current and Spring Bloom
11:00 am to 11:30 am	<u>Jon Grant</u> - Application of remote sensing at several spatial scales to management of coastal shellfish aquaculture
	Session 2: Information systems in support of Earth observation of ecosystem indicators (Chair: Trevor Platt)
11:30 am to 12:00 pm	<u>Steve Groom</u> – (1) Interoperable GMES Services for Environmental Risk Management in Marine and Coastal Areas of Europe: application to harmful algal bloom monitoring, (2) The UK NERC EO Data Acquisition and Analysis Service: near-real time EO data processing
12:00 pm to 1:30 pm	Lunch
1:30 pm to 2:00 pm	<u>Vivian Lutz</u> – The development of Antares and how it led to the creation of ChloroGIN
2:00 pm to 2:30 pm	<u>John Field</u> - ChloroGIN from Africa
2:30 pm to 3:00 pm	<u>Nicolas Hoepffner</u> - AMIS: a web-based Information System for coastal and marine waters around Africa
3:00 pm to 3:30 pm	Break
3:30 pm to 4:30 pm	Break out groups* – (1) Ecosystem Indicators, Lead Shubha Sathyendranath, (2) Information Systems for Fisheries Operations, Lead John Field
4:30 pm to 5:00 pm	Report from break out groups
6:00 pm	Dinner - Fan's, 451 Windmill Road, Dartmouth

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Thursday, March 27, 2008	
	Session 3: Earth observation ecosystem indicators for fisheries operations (Chair: Venetia Stuart)
9:00 am to 9:30 am	<u>Cara Wilson</u> - Satellite Research to Operations Transition: What does it mean for Fisheries?
9:30 am to 10:00 am	<u>R.M. Dwivedi</u> - Approach development to guide fishermen for profitable fishing using remote sensing: experience in the Indian tropical waters
10:00 am to 10:30 am	Coffee Break
10:30 am to 11:00 am	<u>Trevor Platt</u> – Ecosystem variability and fisheries: assessment by remote sensing
11:00 am to 11:30 am	<u>Sei-Ichi Saitoh</u> – A ubiquitous information system using RS/GIS for the offshore fisheries activities around Japan
11:30 am to 12:00 pm	<u>Satsuki Matsumura</u> - Practical fisheries information exchange system between scientist, fishermen and space agency, the effort of local fisheries scientist in Japan
12:00 pm to 1:30 pm	Lunch
	Session 3: Earth observation ecosystem indicators for fisheries operations continued (Chair: Nicolas Hoepffner)
1:30 pm to 2:00 pm	<u>John Selvaraj</u> - Colombian scenario and prospects in the use of remote sensing in the field of fisheries and aquaculture management
2:00 pm to 2:30 pm	<u>Luis Escudero Herrera</u> – Experiences of use remote sensing in Peruvian artisanal fishery
2:30 pm to 3:00 pm	Coffee Break
3:00 pm to 4:00 pm	Break out groups* – (1) Ecosystem Indicators, Lead Shubha Sathyendranath, (2) Information Systems for Fisheries Operations, Lead John Field
4:00 pm to 4:30 pm	Report from break out groups
7:00	Dinner – Thai Chin Restaurant, 5175 South Street, Halifax

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Friday, March 28, 2008	
	Session 4 continued: Earth observation ecosystem indicators for ecosystem dynamics (Chair: Cara Wilson)
8:30 am to 9:00 pm	<u>Li Zhai</u> - Estimation of the generalized loss rate for phytoplankton by remote sensing
9:00 am to 9:30 am	<u>Sheila Heymans</u> , Sylvie Guénette, Villy Christensen and Andrew Trites - Changes in two Gulf of Alaska ecosystems due to ocean climate change and fishing
9:30 am to 10:00 am	<u>Emmanuel Chassot</u> - Primary production regulates fisheries production in large marine ecosystems worldwide
10:00 am to 10:30 am	Coffee Break
10:30 am to 11:00 am	<u>Emmanuel Devred</u> - Diagnosis of phytoplankton community structure by remote sensing
11:00 am to 11:30 am	<u>Nick Dulvy</u> - Quest-Fish: a UK-based approach to understand climate effects on the vulnerability of global fisheries
11:30 am to 12:00 pm	<u>Donald Kobayashi</u> - Linking ecosystem dynamics to ocean habitat and features derived from satellite remotely sensed data
12:00 pm to 1:30 pm	Lunch
1:30 pm to 2:30 pm	Break out groups* - (1) Ecosystem Indicators, Lead Shubha Sathyendranath, (2) Information Systems for Fisheries Operations, Lead John Field
2:30 pm to 3:00 pm	Report from break out groups
3:00 pm to 3:30 pm	Break
3:30 pm to 4:00 pm	Outline IOCCG Monograph
4:00 pm to 4:30 pm	<u>Alida Bundy</u> - Meeting Synthesis
4:30 pm to 4:45 pm	Close of workshop

- *Break out groups will discuss:
- 1) Enhancement of Earth observation in fisheries
 - 2) Development of future research and collaborations
 - 3) Planning for IOCCG monograph