

International Blue Carbon Scientific Working Group

October 20-23, 2014

Rio Grande, Brazil

AGENDA



Coordinating organizations:



CONSERVATION
INTERNATIONAL



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission

Workshop partner organizations:



FURG



The
WALTON FAMILY
FOUNDATION



thewaterloofoundation*



Day 1 – Monday, 20th October 2014

Venue: Centro de Convívio dos Meninos do Mar (Center of Sea Boys Training)

15:30	Meet in hotel lobby and walk to venue together
	Welcome
16:00	<i>Margareth Copertino, Institute of Oceanography, FURG, Brazil</i>
16:10	<i>Lauro Barcelos, Director of Oceanographic Museum, FURG, Brazil</i>
16:20	<i>José Henrique Muelbert, Director of Institute of Oceanography, FURG, Brazil</i>
16:30	<i>Guilherme Dutra, Marine Program Director, Conservation International, Brazil</i>
	Introduction
16:40	Introduction to Blue Carbon Initiative: Review of Recent Work of the Scientific Working Group and Blue Carbon Science <i>Emily Pidgeon, Conservation International, USA</i>
17:00	Blue Carbon in International Policy: Achievements and Future Perspectives <i>Steve Crooks, Environmental Science Associates, USA</i>
17:20	Workshop agenda and expected outcomes <i>Jennifer Howard, Conservation International, USA</i>
17:30	Welcome Reception and Blue Carbon Manual Launch Party
19:00	Back to the hotel (by bus or on foot)

Day 2 – Tuesday, 21st October 2014

Venue: Instituto Federal de Educação do Rio Grande do Sul

8:30	Meet in hotel lobby to bus to venue
Session 1	Brazil: Wetlands and Carbon Science (Moderator: Margareth Copertino)
9:00	The Distribution, Abundance and Conservation Status of Seagrass Meadows along the Brazilian Coast <i>Joel Creed, Universidade do Estado do Rio de Janeiro, Brazil</i>
9:20	State of the Science: Salt Marshes in South America <i>Cesar Costa, Universidade Federal do Rio Grande, Brazil</i>
9:40	Brazilian Initiative for Conservancy and Sustainable Exploitation of Mangroves: strategic actions, results and challenges <i>Matteo Fumi, Instituto Chico Mendes de Conservação da Biodiversidade</i>
10:00	Coffee Break

Day 2 – Continued

Venue: Instituto Federal de Educação do Rio Grande do Sul

10:20	Global patterns of aboveground carbon stock and sequestration in mangroves <i>Gustavo Duque Estrada , Universidade do Estado do Rio de Janeiro, Brazil</i>
10:40	Geophysical and climate drivers in mangrove aboveground biomass across American Coast <i>Paulo Pagliosa , Universidade Federal de Santa Catarina, Brazil</i>
11:00	Coastal wetland soils: pedogenetic processes and its environmental implications <i>Tiago Osório Ferreira - Universidade de São Paulo, Brazil</i>
11:20	Discussion
12:00	Lunch
Session 2	Indonesia: Wetlands and Carbon Science (Moderator: Daniel Alongi)
13:00	Mangrove Monitoring <i>Andreas Hutahaean, Agency for Research and Development of Marine Fisheries, Indonesia</i>
13:20	Dynamics of Carbon Stocks and Land Use in Indonesian Mangroves <i>Boone Kauffman, Oregon State University, USA</i>
13:40	Estimates of Seagrass Carbon Storage <i>Jim Fourqurean, Florida International University, USA</i>
14:00	Mangrove ecosystem services: broadening blue carbon agenda <i>Daniel Murdiyarso, CIFOR, Indonesia</i>
14:20	Indonesian Government Blue Carbon Priorities <i>Tonny Wagey, Ministry of Marine Affairs and Fisheries, Indonesia</i>
14:40	Discussion
15:00	Coffee Break
Session 3	Coastal Ecosystem Mapping (Moderator: Emily Pidgeon)
15:20	Seagrass mapping in TX and Mangrove mapping in Indonesia <i>Faiz Rahman, University of Texas Pan American, USA</i>
15:40	Seagrass Mapping in the Philippines: Perception Survey to Satellite Imagery <i>Miguel Fortes, University of the Philippines, Philippines</i>
16:00	Mapping mangrove extent, height and biomass globally <i>Marc Simard, Jet Propulsion Laboratory, USA (SKYPE)</i>
16:20	Discussion
17:00	Close – Bus back to the hotel

Day 3 – Wednesday, 22nd October 2014

Venue: Instituto Federal de Educação do Rio Grande do Sul

8:30	Meet in hotel lobby to bus to venue
Session 4	Break out Groups (conducted simultaneously)
9:00	<p>Brazil – Led by Margareth Copertino Assessment and synthesis of local and regional policy related to blue carbon and coastal ecosystems in Brazil, including prioritization of ongoing research needs.</p> <p>Indonesia – Led by Daniel Alongi Assessment and synthesis of available blue carbon data for coastal ecosystems in Indonesia, including prioritization of research and policy needs.</p>
10:30	Coffee Break
10:45	Continue break out groups
12:00	Lunch
Session 4	Break out groups report back
13:00	Summary of the morning discussion highlighting scientific needs and next step
Session 5	Blue Carbon Science Updates (Moderator: Jennifer Howard)
14:00	An Overview of Blue Ventures' Mangrove Carbon Projects <i>Leah Glass, Blue Ventures, Madagascar</i>
14:20	Introduction of Blue Carbon Resources in Korea <i>Ik Kyo Chung, Pusang University, Korea</i>
14:40	Blue carbon opportunities in Basra and the new MEM 4.2 <i>Jim Morris, University of South Carolina, USA</i>
15:00	Coffee Break
15:20	Update on Gulf of Nicoya & Central America <i>Marco Quesada, Conservation International, Costa Rica</i> <i>Miguel Cifuentes, Tropical Agricultural Research and Higher Education Center, Costa Rica</i>
15:40	Rapid losses of surface elevation following tree girdling and cutting in tropical mangroves <i>James Kairo, Kenya Marine and Fisheries Research Institute, Kenya</i>
16:00	Fate of mangroves under changing climate in Australia: Preliminary results <i>Neil Saintilan, New South Wales Office of Environment and Heritage, Australia</i> <i>Chandra Giri, US Geological Survey, USA</i>

Session 6	Socio-economic Issues Involving Blue Carbon (Moderator: Emily Pidgeon)
16:20	Human dimensions of mangrove vulnerability and regional land system change <i>Rinku Roy Chowdhury, Indiana University, USA</i>
16:40	Blue Carbon research for what kind of Earth future? Socio-economical issues related to environmental science <i>Viviane Fernandez, Universidade Estadual do Rio de Janeiro, Brazil</i>
17:00	Discussion
17:30	Close – Bus back to the hotel

Day 4 – Thursday, 23rd October 2014

Venue: Field Trip

9:00	Meet in hotel lobby
	Morning: Patos Lagoon Estuary and Coastal Vegetation
	Ilha da Polvora: Ecomuseum, walking, views over the estuary and salt marshes Estuary by boat
12:00	Lunch at Marinheiros Island
	Afternoon Tour
	Mouth of Patos Lagoon estuary and Break Waters Cassino Beach “Banhados” (Fresh water marshes)
17:00	Arrive back at the hotel