



“PORSEC2016: Enabling Earth Observations in support of global, coastal, ocean and climate change research and monitoring - The 13th Pan Ocean Remote Sensing Conference” – Fortaleza – CE - Brazil

CONTENTS PROPOSED FOR THE CAPACITY BUILDING (TUTORIAL)

November 3 – 7, 2016

DAY 1 – Thursday (03/11/2016)				
08:00 – 08:30	Registration			
08:30 – 09:00	Opening ceremony	A. Geraldo Ferreira / Danling Tang / Gad Levy		
TIME	TOPIC	LECTURER	Theor.	Pract.
09:00 – 10:00	Fundamentals of Satellite Remote Sensing (Visible part)	Milton Kampel (INPE-Brazil)		
10:00 – 10:30	Coffee break			
10:30 – 11:30	Fundamentals of Satellite Remote Sensing (Thermal part)	João Lorenzetti (INPE-Brazil)		
11:30 – 12:30	Fundamentals of Satellite Remote Sensing (Microwave)	João Lorenzetti (INPE-Brazil)		
12:30 – 13:30	Lunch			
13:30 – 15:30	Accessing data: an Introduction to ERDDAP	Cara Wilson (NOAA-USA)		
15:30-16:15	Web Seminar - Better Resolved Nutritional and Environmental Insights into the Expected Impacts of Various Plausible Voluntary Dietary Shifts in the US: Beef for Poultry, Animals for Plants, and Grass-Fed Beef	Gidon Eshel (Harvard University-USA)		
16:15 – 16:30	Coffee break			
16:30 – 18:00	Accessing data with ArcGIS using the EDC	Cara Wilson (NOAA-USA)		

INPE: National Institute for Space Research

NOAA: National Oceanic and Atmospheric Administration

DAY 2– Friday (04/11/2016)				
TIME	TOPIC	LECTURER	Theor.	Pract.
08:00 – 09:00	Statistical Data Analysis	Ana Paula (LABOMAR-UFC – Brazil)		
09:00 – 10:00	Statistical Data Analysis	Ana Paula (LABOMAR-UFC – Brazil)		
10:00 – 10:30	Coffee break			
10:30 – 11:30	Satellite Data Assimilation	Gad Levy (NWRA-USA)		
11:30 – 12:00	Introduction to Giovanni	Jim Gower (IOS-Canada)		
12:00 – 12:30	Time for projects			
12:30 – 14:00	Lunch			
14:00 – 15:00	Fundamentals of Satellite Remote Sensing (Microwave)	João Lorenzetti (INPE-Brazil)		
15:00 –16:00	Accessing data: using R or Matlab scripts	Cara Wilson (NOAA-USA)		
16:00 – 16:30	Coffee break			
16:30 – 18:00	Accessing data: using R or Matlab scripts	Cara Wilson (NOAA-USA)		
21:00	Fraternization Dinner			

LABOMAR/UFC: Sea Science Institute/Federal University of Ceará

NWRA: NorthWest Research Associates

IOS: Institute of Ocean Sciences

DAY 3 – Saturday (05/11/2016)

TIME	TOPIC	LECTURER	Theoretical	Practical
08:00 – 08:30	Web seminar - Earth Observation in Support of the Water Sector. Remote Sensing for Water Management Optimisation	Ernesto Lopez Baeza (Valencia University-Spain)		
08:30 – 10:30	Time for projects			
10:30 – 11:00	Coffee break			
11:00 – 12:30	Satellite Wind Estimation	Abderrahim Bentamy (IFREMER – FRANCE)		
12:30 – 14:00	Lunch			
14:00 – 16:00	Satellite Wind Estimation	Abderrahim Bentamy (IFREMER – FRANCE)		
16:00 – 16:30	Coffee break			
16:30 – 17:30	Satellite Altimetry	Stefano Vignudelli (CNR-Italy)		
21:00	Free Time			

IFREMER: Institut Français pour la Recherche et l'Exploitation de la Mer

CNR: National Research Council

DAY 4 – Sunday (06/11/2016)

TIME	TOPIC	LECTURER	Theoretical	Practical
08:00 – 10:00	Satellite Altimetry	Stefano Vignudelli (CNR-Italy)		
10:00 – 10:30	Oil spill detection	Leonid Mitnik (RAS – Russia)		
10:30 – 11:00	Coffee break			
11:00 – 13:00	Oil spill detection	Leonid Mitnik (RAS – Russia)		
13:00	Lunch			
	Free Time – Excursion to the Beach			

RAS: Russian Academy of Sciences

DAY 5 – Monday (07/11/2016)

TIME	TOPIC	LECTURER	Theoretical	Practical
08:00 – 09:00	Ocean Color	Jim Gower (IOS-Canada)		
9:00 – 10:00	Time for projects			
10:00 – 10:30	Coffee break			
10:30 – 12:30	Fisheries Applications of Satellite Data	Cara Wilson (NOAA-USA)		
12:30 – 14:00	Lunch			
14:00 – 16:00	Students Presentations			
16:00 – 16:30	Coffee break			
16:30 – 18:00	Students Presentations			
18:00 – 19:00	Closing			
22:00	Pirata Bar (“The Craziest Place on Earth on a Monday Night” - NYTimes)			