

PROGRAMME

Accessing and working with state of the art satellite data for marine applications

Training Course, The Philippines, 25-26 November 2018

Image courtesy of the European Space Agency

LOCATION: University of the Philippines Visayas, Iloilo, The Philippines, with lunch and tea provided free of charge for all participants.

ORGANISERS: Plymouth Marine Laboratory, Hayley Evers-King, hek@pml.ac.uk and PEMSEA, Johanna Diwa, jdiwa@pemsea.org

Sunday 25 November

- 8:30 - 9:00 Registration
- 9:00 - 9:15 Welcome address
- 9:15 - 10:00 Icebreaker introduction
- 10:00 - 11:00 Brainstorming - what data do we need for ocean applications
- 11:00 - 11:15 Tea break**



- 11:15 - 11:45 Basics of remote sensing and data selection
- 11:45 - 12:15 Biological data from satellites: Ocean colour
- 12:15 - 12:45 Physical data from satellites: Altimetry and Sea Surface Temperature
- 12:45 - 13:00 Discussion session
- 13:00 - 14:00 Lunch**
- 14:00 - 14:30 Data access:
- Where can we get satellite data?
 - How do we get it?
 - Demonstration of data access portals.
- 14:30 - 16:00 Practical session on data access.
- Challenge examples:
- Download data for your region of interest from CODA;
 - Download coincident data from two sensors from CODA;
 - Extract a time series of data to netcdf from the OC-CCI portal;
 - Make a graph using the OC-CCI portal;
 - Download a small time series of images associated with an event of interest from any relevant portal;
 - Explore batch downloading;
 - Identify data from other sources that you might need.
- 16:00 End of day one**

Monday 26 November

- 9:00 - 09:30 Tools for working with satellite data
- 9.30 - 11:00 Sentinel Applications Platform (SNAP) software session
- 11:00 - 11:15 Tea break**
- 11:15 - 11:30 Python Demonstration
- 11:30 - 13:00 Python Session
- 13:00 - 14:00 Lunch**
- 14:00 - 17:00 Open session and feedback
- 17:00 Close of course**



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