

6th ESA Advanced Training Course on Ocean Remote Sensing 2019 - Programme

Lecture: a formal lecture given to introduce the subject

Interactive Lecture: a more informal style using interactive tools to handle data in a laboratory environment

	Monday	Tuesday	Wednesday	Thursday	Friday
Responsible Synergy Team	G. Corlett, A. Ruescas	S. Mertikas, V. Rosmorduc, M-H. Rio, L. Gaultier, P. Cipollini	F. Collard, B. Chapron	A. Hasson, J. Shutler, H. Evers King	A. Shepherd, J. Johannessen
Ocean Synergy Challenge	Mesoscale and sub-mesoscale Structures	Sea Level and Ocean Surface Transport	Wind Waves and Wave/Current interaction	Salinity and Marine Carbon	Polar Oceans
08:30-09:00	Registration				
09:00-09:15	Official Welcome Technical University of Crete	Lecture 3: Ocean Altimetry and Sea Level. S. Mertikas, TUC	Lecture 5: Wind waves and current measurements from space. B. Chapron, IFREMER	Lecture 6: Measuring ocean surface salinity from space A. Hasson, LOCEAN	Lecture-9: Earth's ice is melting; What can we do?. A. Shepherd, U. Leeds
09:15-09:30	Course introduction M-H Rio, ESA				
09:30-10:30	Lecture-1: Measuring the ocean using different satellite instruments in synergy B. Chapron, IFREMER	Interactive Lecture 4: What can an ocean altimeter do for me? V. Rosmorduc, CLS (Python)	Interactive Lecture 8: How to measure ocean waves from space F. Collard, ODL, B. Chapron, IFREMER (SEAScope)	Interactive Lecture 12: Investigating sea surface salinity from space [1] A. Hasson, LOCEAN (SEAScope and Python)	Interactive Lecture 15: Measuring sea ice thickness. A. Shepherd, U. Leeds
10:30-11:00	Coffee	Coffee	Coffee	Coffee	Coffee
11:00 – 12:00	Interactive Lecture 1: Exploring the ocean mesoscale and sub-mesoscale using Remote Sensing F. Collard, ODL, L. Gaultier, ODL (SynTool)	Interactive Lecture 5: Investigating large scale ocean processes with a synergistic approach. P. Cipollini, ESA, ODL (SynTool/SEAScope)	Interactive Lecture 9: How to monitor ocean waves from space F. Collard, ODL, B. Chapron, IFREMER (SEAScope)	Interactive Lecture 13: Investigating sea surface salinity from space [2] A. Hasson, LOCEAN (Python)	Lecture-10: Polar seas and the changing sea ice J. Johannessen, NERSC
12:00 – 13:00	Lecture-2: Phytoplankton dynamics from Space A. Ruescas, Brockmann Consult / U. of Valencia				Interactive Lecture 16: Sea ice extent, deformation and Drift in the Arctic Ocean. J. Johannessen, NERSC, F. Collard, ODL (SEAScope)

13:00-14:30	Lunch	Lunch	Lunch	Lunch	Lunch
14:30-15:15	Interactive Lecture 2: Investigating the colour of the ocean from space. A. Ruescas, Brockmann Consult / U. of Valencia (SNAP and iPython Notebook)	Lecture 4: Ocean surface currents from space M-H Rio, ESA	Interactive Lecture 10: Wave-Current interaction [1]: Internal waves from space F. Collard, ODL, B. Chapron, IFREMER, (SEAScope)	Lecture 7: Marine inorganic carbon from space J. Shutler, U of Exeter	Student Group Work results
15:15-16:00		Interactive Lecture 6: Using satellite data to investigate ocean surface currents and transport [1] L. Gaultier, ODL (Syntool, SEAScope)		Lecture 8: Marine organic carbon from space H. Evers-King, EUMETSAT	
16:00-16:30	Coffee	Coffee	Coffee	Coffee	Coffee
16:30 – 17:00	Interactive Lecture 3: Investigating the temperature of the ocean from space. G. Corlett, EUMETSAT (SNAP)	Interactive Lecture 7: Using satellite data to investigate ocean surface currents and transport [2] L. Gaultier, ODL (Syntool, SEAScope,)	Interactive Lecture 11: Wave-Current interaction [2]: How does ocean circulation impact waves? F. Collard, ODL, B. Chapron, IFREMER (SEAScope)	Interactive Lecture 14: Marine organic carbon from space H. Evers-King, EUMETSAT (iPython)	Wrap-up, thanks and close (ESA)
17:00 – 18:00					Day end
18:00-20:00	Icebreaker and Student Introductions <i>Introduction to group work and planning (4-5 students per group)</i> R. Scarrott, UCC	Ocean Training Course Group Dinner in Chania	Group work (informal "Souvlaki and Drinks") R. Scarrott, UCC	Group work (informal "Souvlaki and Drinks") R. Scarrott, UCC	
20:00	Day end		Day end	Day end	