

→ 3rd ESA ADVANCED TRAINING ON OCEAN REMOTE SENSING

23–27 September 2013 | National Maritime College of Ireland, Cork, Ireland

https://earth.esa.int/oceantraining2013

www.esa.int European Space Agency







Course Introduction & Organisation

Peter Regner

Science, Applications & Future Technologies Department ESA/ESRIN, Frascati, Italy





European Space Agency

www.esa.int

Objectives



Context

Action of SEOM (Scientific Exploitation of Operational Missions) element of EOEP-4 program

Objectives

- Train next generation of scientists on the state of the art in Ocean Remote Sensing.
- Enable a better understanding of the key concepts of EO missions, processing algorithms, data products and their use in applications.
- Provide hands-on experience with tools and methods used for the exploitation of satellite data.
- Give you the theoretical and practical framework for further studies.













History

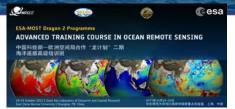




Ocean University, Qingdao, P.R China



2nd Institute of Oceanography, Hangzhou, P.R China



East China Normal
University, Shanghai, P.R
China



Chinese University Hong Kong, P.R China



2006

2007

2009

2011

2013

University of Hamburg, Germany



NERSC, Bergen, Norway



NMCI, Cork, Ireland









Organizers











The 3rd ESA Advanced Training Course on Ocean Remote Sensing 2013 was organised by ESA, with support from Serco, and the CMRC and is hosted by the National Maritime College of Ireland.





Drs. Yves-Louis Desnos & Peter Regner





Mrs. Ulla Vayrynen





Dr. Ned Dwyer

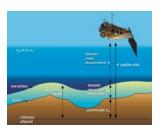
Mr. Rory Scarrott





The teaching team





Oceanography from Space & Radar Altimetry

Dr. Paolo Cipollini - National Oceanography Center, UK **Françoise Mertz** - Collecte Localisation Satellites, France



ESA EO programs

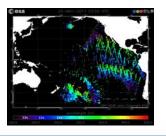
Yves-Louis Desnos - ESA



SMOS

Dr. Nicolas Reul - *IFREMER*, *France*

Dr. Carsten Brockmann – Brockmann Consult, Germany



SAR

Prof. Johnny Johannessen - NERSC, Norway

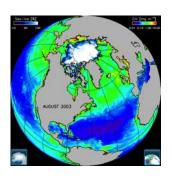
Dr. Fabrice Collard - Oceandatalab, France





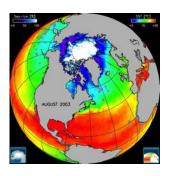
The teaching team





Ocean Colour

Dr. Shubha Sathyendranath - Plymouth Marine Laboratory, UK
Prof. Trevor Platt - Plymouth Marine Laboratory, UK
Dr. Carsten Brockmann - Brockmann Consult, Germany



Sea Surface Temperature

Prof. Chris Merchant - University of Reading, UK

Dr. Val Byfield - National Oceanographic Centre, UK

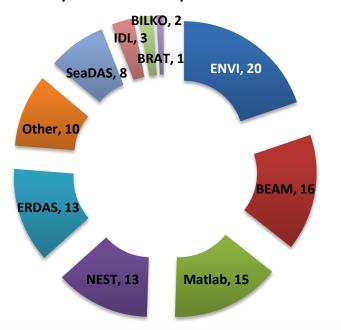


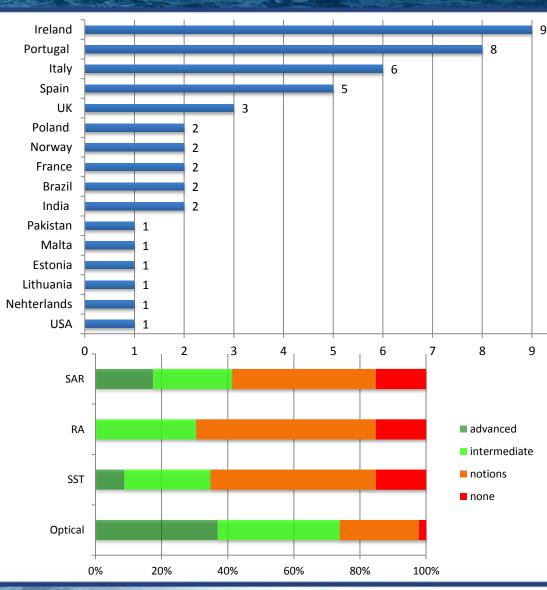


The participants



- 47 participants selected from 62 applicants
- 16 nationalities
- Education levels: BSc, MSc, PhD, Prof
- Male/female 28/19









Programme overview



	MONDAY 23 Sep 2013	TUESDAY 24 Sep 2013	WEDNESDAY 25 Sep 2013	THURSDAY 26 Sep 2013	FRIDAY 27 Sep 2013
	Opening & lectures	RA	SAR	Ocean Colour	SST
	Opening	DA Lecture	CAD Lockwas	OC Lectures	0071-224
	Oceanography from Space	RA Lecture	SAR Lectures	OC Lectures	SST Lectures
AM	coffee break				
	Oceanography from Space	RA Practical	SAR Practical	OC Practical	SST Practical
	ESA EO missions	1	1	,	1
	lunch break 13:00 – 14:15				
	SMOS mission	RA Lecture	SAR Lectures	OC Lectures	SST Lectures
	Ocean salinity	NA Lecture	OAN Lectures	OO Lectures	SST Practical 1
PM	coffee break 15:45 – 16:15				
	BEAM practical exercises with SMOS data	RA Practical 2	SAR Practical	OC Practical 2	Course Close 16:45
18:00		2	2	Z	
	Welcome Cocktail		Social Event		





Software









RA









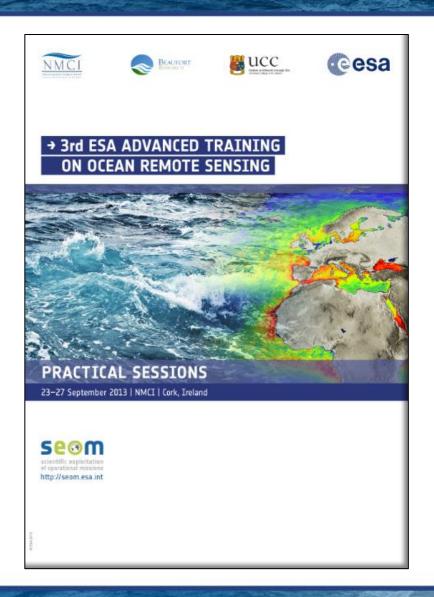
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Practical classes





- 1. Practical Sessions Manual contains the instructions for each of the practical classes (also on the USB stick).
- 2. Organised by day in sections from Monday through to Friday
- 3. Please bring this manual to the classes on a daily basis.





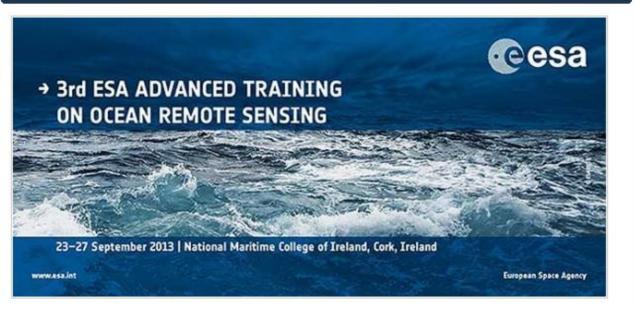


On-line Course Evaluation



https://earth.esa.int/web/guest/oceantraining2013

 3rd Advanced Training Course on Ocean Remote Sensing





Password will be provided on Thursday



Getting to Cork

Links



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EVALUATION QUESTIONNAIRE

Now that you have been completing the Advanced Training Course in Ocean Sensing 2013, please take the time to answer a few questions on the course, its organization and contents. We will use your feedback to improve the lectures and practicals for any future training. Please answer the questions frankly. The questionnaire is anonymous. You can answer by ticking the selected box or by writing a few words.



How did you find out about the training course? Internet E-mail Colleagues Flyer Conferences Other (Please Specify): Prior the course the communication with the organizing team was good Agree Rather Agree Rather Disagree Disagree Prior the course the information and material available on the website were appropriate Agree Rather Agree Rather Disagree Disagree

- Provide feedback to improve for the future
- 5 minutes to complete
- The questionnaire is anonymous
- Please complete by 13:00
 on Thursday 26
 September 2013
- Summary will be provided on Friday in the closing session





Certificate of Attendance





- To get a certificate, attendance is mandatory for all lectures and practical classes.
- Certificates will be awarded during the closing session on Friday 27 September 2013.







- Training course material will be available on OCT2013 website after the course.
- In case of any need please ask the organizing team.

Wishing you a pleasant stay in Cork and a successful training course!



