

11th ESA Training Course on Earth Observation

Preliminary Programme

Monday 22/03/2021	
08:00-08:30	Registration
08:30 – 08:45	Welcome by representative of the Malta Council for Science and Technology Speaker: Isaac Massa
08:45 – 09:45	Theory: ESA Intro & Introduction to ESA EO Missions Speaker: Francesco Sarti Additional: Access to ESA data and to ESA Third Party Mission data (tbc)
09:45 – 10:30	Theory: SAR Basics for Land Trainer: Pierre Louis Frison (University Gustave Eiffel)
10:30 – 10:45	Coffee Break
10:45 – 12:30	(continuation)
12:30 – 13:30	Lunch Break
13:30 – 15:00	Exercise: Urban classification with Sentinel-1 Trainer: Miguel Castro Gómez (RUS Copernicus)
15:00 – 15:15	Coffee Break
15:15 – 17:30	(continuation)
	Ice Breaker

Tuesday 23/03/2021	
08:30 – 10:30	Theory: SAR for Marine applications (ocean, waves, wind, currents, oil spills, ship detection) Trainer: Martin Gade (University of Hamburg)
10:30 – 10:45	Coffee Break
10:45 – 12:30	(continuation)
12:30 – 13:30	Lunch Break
13:30 – 15:00	Exercise: Ship detection with Sentinel-1 (SNAP) Trainer: Tereza Šmejkalová (RUS Copernicus)
15:00 – 15:15	Coffee Break
15:15 – 17:30	(continuation)

Wednesday 24/03/2021	
08:30 – 11:00	Theory: Optical RS for Marine applications Trainer: Bob Brewin (University of Exeter)
11:00 – 11:30	Coffee Break
11:30 – 13:00	Exercise: Nearshore Bathymetry Derivation with Sentinel-2 (SNAP) Trainer: Georgia Karadimou (RUS Copernicus)
13:00 – 14:00	Lunch Break
14:00 – 16:00	(continuation)
16:00 – 16:15	Coffee Break
16:15 – 17:30	Exercise: Ocean colour monitoring with Sentinel-3 (SNAP) Trainer: Georgia Karadimou (RUS Copernicus)

Thursday 25/03/2021	
08:30 – 10:30	Presentation by speakers from Malta (tbd) Presenters: tbd
10:30 – 10:45	Coffee Break
10:45 – 12:30	(continuation)
12:30 – 13:30	Lunch Break
13:30 – 15:00 (time tbd)	Theory: Air Quality & Remote Sensing for Air Quality (title tbd) Trainer: Federico Fierli (EUMETSAT)
15:00 – 15:15 (time tbd)	Coffee Break
15:15 – 17:30 (time tbd)	Demo & Exercise: Air Quality (title tbd) Trainers: Julia Wagemann (EUMETSAT, Consultant), Sander Niemeijer (S&T Corp)

Friday 26/03/2021	
08:30 – 10:30 (time tbd)	Demo & Exercise: Air Quality (title tbd) Trainers: Julia Wagemann (EUMETSAT, Consultant), Sander Niemeijer (S&T Corp)
10:30 – 10:45 (time tbd)	Coffee Break
10:45 – 12:30 (time tbd)	(continuation)
12:30 – 13:00 (time tbd)	Feedback and Certificates