

12th ESA Training Course on Earth Observation 2022 (Latvia)

	SAR Basics + Land Cover (Optical & SAR)	Forestry (Optical & SAR)	Agriculture (Optical & SAR)	InSAR	Marine (SAR), Latvian experts & OpenEO Platform
Local time	Monday 27 June	Tuesday 28 June	Wednesday 29 June	Thursday 30 June	Friday 1 July
8:00 - 8:30	<b>Registration</b>				
8:30 - 8:45	Welcome Speaker: Host institution & ESA	<b>Theory:</b> Intro to SAR & Optical for Forestry, inc. Climate Change impact Speaker: Oleg Antropov	<b>Theory:</b> Intro to SAR & Optical for Agriculture, inc. Climate Change impact Speaker: Pierre Defourny	<b>Theory:</b> InSAR introduction (detection of point scatterers / potential subsidence linked to gas storage) Speaker: Ramon Hanssen	<b>Theory:</b> SAR Marine Applications (oil spills and ship detection) Speaker: Domenico Velotto
8:45 - 9:30	<b>Theory:</b> ESA Intro & Introduction to ESA EO Missions Speaker: Francesco Sarti (ESA)				
9:30 - 10:15	<b>Theory:</b> SAR Basics Speaker: Pierre Louis Frison				
10:15 - 10:45	<b>Coffee Break</b>				
10:45 - 12:00	(continuation)	(continuation)	(continuation)	(continuation)	(continuation)
12:00 - 13:30	<b>Lunch Break</b>				
13:30 - 14:30	<b>Theory:</b> SAR & Optical for Land Cover applications, inc. Climate Change impact Speaker: Pierre Louis Frison	<b>Practical:</b> SAR & Optical for Forestry, inc. Climate Change impact Speaker: Oleg Antropov	<b>Practical:</b> SNAP for LAI time series production Speaker: Fabrizio Ramoino	<b>Practical:</b> InSAR Speaker: Ramon Hanssen	<b>Theory:</b> Presentations from Latvian experts Speakers: Dainis Jakovels & Māris Kajinka
14:30 - 15:00					<b>Practical:</b> ESA OpenEO Platform - Introduction to openEO platform: essentials & resources Speaker: Benjamin Schumacher
15:00 - 15:30	<b>Coffee Break</b>				
15:30 - 16:30	<b>Practical:</b> SAR & Optical for Land Cover applications, inc. Climate Change impact Speaker: Pierre Louis Frison	<b>Practical:</b> ESA Forestry TEP Speaker: Jukka Miettinen, Lauri Seitsonen	<b>Practical:</b> Jupyter notebook for LAI time series Quality Control and analysis for crop monitoring Speaker: Baptiste Delhez	(continuation)	<b>Practical:</b> ESA OpenEO Platform - Use cases: (1) Land Cover mapping (2) Time Series Analysis, (3) Graph Visualisation: R & Web Editor Interface Speaker: Benjamin Schumacher, Magdalena Fitzryk & Amalia Castro Gomez
16:30 - 17:00					Feedback and Certificates. Closing
17:00 - 19:00	Ice breaker				