



## SAR Training Workshop

**Date:** 20-24 February 2017

**Hosted by:** AGEOS

**Location:** AGEOS Ground Station Facility

**Presented by:** CEOS Working Group on Capacity Building & Data Democracy (WGCapD)

### Day One: Monday, 20 February 2017:

Item #	Time	Activity	Presented By
0	08.30-09.00	<b>Registration</b>	All
1	09.00-09.30	<b>Welcoming Remarks</b>	AGEOS Representative
2	09.30-10.15	<b>Overview of AGEOS</b>	AGEOS Representative
	10.15-10.30	Tea Break	
3	10.30-11.00	<b>Introduction to CEOS SAR Course Overview</b>	Phila Sibandze (SANSA) Jean Paul Rudant (UMLV)
4	11.00-12.30	<b>Introduction to SAR Remote Sensing</b>	Jean Paul Rudant (UMLV)
	12.30-13.30	<b>Lunch</b>	
5	13.30-15:00	<b>Exercise: Basic SAR Processing with SNAP</b>	Jean Paul Rudant (UMLV)
	15.00-15.15	Tea Break	
6	15.15-16.00	<b>The SAR EDU Platform</b>	Kostas Papathanassiou (DLR)

## Day Two: Tuesday, 21 February 2017:

Item #	Time	Activity	Presented By
7	09.00– 10.30	<b>Introduction to SAR Interferometry and Polarimetry</b>	Jean Paul Rudant (UMLV)
	10.30–10.45	Break	
8a	10.45–12.15	<b>POLinSAR &amp; SAR Tomography</b>	Kostas Papathanassiou (DLR) Matteo Pardini (DLR)
	12.15–13.15	Lunch	
8b	13.15–13.45	<b>POLinSAR &amp; SAR Tomography cont.</b>	Kostas Papathanassiou (DLR) Matteo Pardini (DLR)
9	13.45–14.45	<b>SAR Applications: Biomass &amp; Forestry</b>	Naiara Pinto (JPL)
	14.45–15.00	Break	
10	15.00–16.15	<b>Exercise: Advanced SAR Processing (Calibration, Filtering, Geocoding)</b>	Jena Paul Rudant (UMLV)



## Day Three: Wednesday, 22 February 2017:

Item #	Time	Activity	Presented By
11	09.00-10.00	<b>SAR Application: Landcover &amp; Agriculture</b>	Naiara Pinto (JPL)
12a	10.00-11.00	<b>Exercise: Biomass &amp; Forestry</b>	Matteo Pardini (DLR) Kostas Papathanassiou (DLR) Support by Naiara Pinto (JPL)
	11.00-11.15	Break	
12b	11.15-12.15	<b>Exercise: Biomass &amp; Forestry cont.</b>	
	12.15-13.15	Lunch	
13a	13.15-14.15	<b>Exercise: Landcover &amp; Agriculture</b>	Naiara Pinto (JPL) Support by DLR
	14.15-14.30	Break	
13b	14:30-16.00	<b>Exercise Landcover &amp; Agriculture cont.</b>	Naiara Pinto (JPL) Support by DLR



## Day Four: Thursday, 23 February 2017:

Item #	Time	Activity	Presented By
14	09.00– 10.00	<b>SAR for Disaster Applications</b>	Chris Stewart, ESA
15a	10.00–10.45	<b>Introduction to ESA Toolboxes I</b>	Chris Stewart, ESA
	10.45–11.00	Break	
15b	11.00–12.00	<b>Introduction to ESA Toolboxes I</b>	Chris Stewart, ESA
	12.00–13.00	Lunch	
16	13.00–14.15	<b>SAR data access &amp; Sentinel data hub</b>	Phila Sibandze, SANSA Chris Stewart, ESA
	14.15–14.30	Break	
17	14.30–16.00	<b>Exercise: Oil slickmapping</b>	Chris Stewart, ESA



## Day Five: Friday, 24 February 2017:

Item #	Time	Activity	Presented By
18	09.00–10:00	<b>Demo: Flood mapping with Snap</b>	Chris Stewart, ESA
19a	10.00–11:00	<b>Exercise: Flood mapping w. WaMaPro</b>	Phila Sibandze, SANSA
	11.00–11.15	Tea Break	
19b	11.15–12.15	<b>Exercise: Flood mapping w. WaMaPro</b>	Phila Sibandze, SANSA
	12.15–13.15	Lunch Break	
20	13.15–15.00	<b>Exercise: Deformation mapping</b>	Chris Stewart, ESA
21	15.00–16.00	<b>Support options through the UN-SPIDER Programme implemented by the UN Office For Outer Space Affairs in accessing very High resolution satellite imagery for disaster management.</b>	Lorant Czarán, UNOOSA
22	16.00–16.30	<b>Feedback from Participants</b>	SANSA/ESA/JPL/AGEOS
23	16.30–16.45	<b>Awarding Of Certificates &amp; Workshop Closure</b>	SANSA/AGEOS

