



**SAR Calibration and Validation
Workshop 2021**

**Virtual Workshop
Program**

2-4 November, 2021

The Committee on Earth Observation Satellites (CEOS) Working Group on Calibration and Validation (WGCV), SAR Subgroup, Workshop 2021 (CEOS SAR 2021) will be held virtually again this year due to COVID-19 travel restrictions. This meeting will be held from **2 to 4 November 2021**, and as last year, will focus on discussions over three dedicated sessions with short presentations (10min) and question periods (5min).

For this workshop edition, presentation were not broadly solicited. Session chairs requested short presentations from some of the membership to kick off discussions.

Three discussion sessions are planned, on the following topics:

- 1) **Cal-Val Status Updates on Operating SAR Missions;**
- 2) **Upcoming SAR Missions;** and
- 3) **Calibration Targets, SARCALNET, and CARD4L updates.**

Session 1, Tuesday, Nov. 2nd, 14:00 UTC

Cal-Val Status Updates on Operating SAR Missions

	BEGINNING	END	
2021-11-02	6am	9am	Fairbanks
	7am	10am	Los Angeles
	10am	1pm	Montreal
	11am	2pm	Buenos Aires
	3pm	6pm	Rome/Munich
	7:30pm	10:30pm	India
	11pm	2am next day	Tokyo
2021-11-03	1am	4am	Sydney

Host: Stephane Cote

Co-host: Patrick Klenk

Session 1 Agenda: Cal-Val Status Updates on Operating SAR Missions

START TIME UTC (H:MIN)	DURATION (MIN)	TITLE / TOPIC	AUTHORS/FACILITATORS
14:00	5	Welcome	Bruce Chapman
14:05	5	Objectives / Motivation of the session	Stephane Cote, Patrick Klenk
		Talks: Operating Mission Updates	
14:10	20+5	ALOS-2 and ALOS-4 Status Updates	Takeo Tadono, Masato Ohki
14:35	10+5	Status of the SAOCOM Constellation and the Calibration and Image Quality	Laura Frulla, Matias Palomeque
14:50	10+5	Current Cal-Val Status of the PAZ Mission	Marcos Garcia
15:05	10+5	COSMO-SkyMed mission Cal-Val Status	Antonio Montuori
15:20	10+5	TerraSAR-X/TanDEM-X mission Cal-Val Status	Patrick Klenk
15:35	10+5	Sentinel-1A/B Cal-Val Status and Developments	Muriel Pinheiro
15:50	10+5	RCM Cal-Val Update	Melanie Lapointe
16:05	10+5	RADARSAT-2 Update	Dan Williams
16:20	10+5	RADARSAT-2 Along-Track Interferometry for Ocean Current Velocity Estimation	Mamoon Rashid
16:35	10	Break	All
16:45	20	Missions Discussion	All
17:05	5	Summary / Actions	Stephane Cote/Patrick Klenk/All
17:10		End	

Session 2, Wednesday Nov. 3rd, 14:00 UTC

Upcoming SAR Missions

	BEGINNING	END	
2021-11-03	6am	9am	Fairbanks
	7am	10am	Los Angeles
	10am	1pm	Montreal
	11am	2pm	Buenos Aires
	3pm	6pm	Rome/Munich
	7:30pm	10:30pm	India
	11pm	2am next day	Tokyo
2021-11-04	1am	4am	Sydney

Host: Dirk Geudtner

Co-host: Bruce Chapman

Session 2 Agenda: Upcoming SAR Missions

START TIME UTC (H:MIN)	DURATION (MIN)	TITLE / TOPIC	AUTHORS/FACILITATORS
14:00	5	Objectives / Motivation	Dirk Geudtner
		Talks: Upcoming Mission Updates	
14:05	10+5	NISAR Calibration Concept	Bruce Chapman
14:20	10+5	Copernicus ROSE-L Mission: Calibration Challenges	Dirk Geudtner
14:35	10+5	Sentinel-1C/D and Sentinel-1 Next Generation	Dirk Geudtner
14:50	10+5	BIOMASS Mission	Antonio Leanza
15:05	10+5	HRWS-X Mission	Elizabeth Nuncio, Jens Reimann
15:20	10+5	SWOT Calibration Concept	Toby Minear
15:35	10+5	Capella SAR	Michael Duersch
15:50	10	Break	All
16:00	20	Discussion Upcoming Missions	All
16:20	5	Summary / Actions	D. Geudtner/B. Chapman/All
16:25		End	

Session 3, Thursday, Nov. 4th, 14:00 UTC

CARD4L, Calibration Targets, and SARCALNET Updates

Topics:

- CARD4L Session
- Calibration Targets Session
- SARCALNET and Discussion

	BEGINNING	END	
2021-11-04	6am	9am	Fairbanks
	7am	10am	Los Angeles
	10am	1pm	Montreal
	11am	2pm	Buenos Aires
	3pm	6pm	Rome/Munich
	7:30pm	10:30pm	India
	11pm	2am next day	Tokyo
2021-11-05	1am	4am	Sydney

Host: Bruce Chapman

Co-host: Medhavy Thankappan

Session 3 Agenda: CARD4L, Calibration Targets, and SARCALNET Updates

START TIME UTC (H:MIN)	DURATION (MIN)	TITLE / TOPIC	AUTHORS/FACILITATORS
14:00	5	Objectives / Motivation	Bruce Chapman
		CARD4L Session	
14:05	15+5	CARD4L update	JAXA/soloEO, A. Rosenqvist
		Talks: Calibration Targets	
14:25	10+5	ALOS Target Sites	Takeshi Motohka
14:40	10+5	Geoscience Australia	Medhavy Thankappan
14:55	10+5	ESA Sentinel-1 Transponders and Calibration Sites	Dirk Geudtner
15:10	10+5	ESA BIOMASS Transponder	Antonio Leanza
15:25	10+5	DLR Calibration Targets	Jens Reimann
15:40	10+5	RADARSAT Calibration Targets	Stephane Cote
15:55	10+5	ISRO Target Sites	Shweta Sharma
16:10	10+5	CONAE Target Sites	Marc Thibeault
16:25	10+5	NASA Target Sites	Ron Muellerschoen
16:40	10	Break	All
16:50	15+10	SARCALNET and Discussion	B. Chapman/D. Geudtner/All
17:15	5	Summary / Actions	B. Chapman/D. Geudtner/All
17:20		End	