

Sentinel-2 Validation Team Meeting #4 Agenda

Time is reported in CET

15 March 2021	
Opening Session	
Chairs: V. Boccia (ESA) / F. Gascon (ESA)	
14:00 – 14:20	Welcome <i>P. Goryl (ESA)</i>
14:20 – 14:40	Copernicus Sentinel-2 Mission Status <i>F. Gascon (ESA)</i>
14:40 – 15:00	Copernicus Sentinel-2 Data Quality Overview <i>V. Boccia (ESA)</i>
Session #1 "Level-1 Radiometry Validation"	
Chairs: B. Alhammoud (S2 MPC/ARGANS) / J. Barsi (NASA)	
15:00 – 15:15	Level-1 Radiometric Calibration and Validation Status from the Copernicus Sentinel-2 Mission Performance Center <i>B. Alhammoud (S2 MPC/Argans)</i>
15:15 – 15:30	Sentinel-2 Radiometric Calibration and Validation Activities performed by CNES <i>D. Rodat (CNES)</i>
15:30 – 15:45	Sentinel-2 L1C-Radiometry Validation using RadCalNet dataset and DIMITRI-toolbox <i>B. Alhammoud (S2 MPC/Argans)</i>
15:45 – 16:00	Coffee Break
16:00 – 16:15	Monitoring Sentinel-2 MSI Radiometric Stability and Calibration with Landsat-8 OLI <i>J. Barsi (NASA)</i>
16:15 – 16:30	Monitoring the Intercalibration of L8/OLI with S2A/MSI over Lybia4 PICS in the frame of PICSCAR CEOS/IVOS initiative <i>B. Berthelot (Magellium)</i>
16:30 – 16:45	FLARE Network Absolute Validation & Performance on Sentinel 2A/2B <i>C. Durell (Labsphere, Inc.)</i>

Session #2 "Level-1 Geometry Validation"

Chairs: S. Clerc (S2 MPC/ACRI) / A. Chambrelan (S2 MPC/AIRBUS)

16:45 – 17:00	Status of the Sentinel-2 Geometric Refining Using the Global Reference Image <i>C. Quang (S2 MPC/Cs)</i>
17:00 – 17:15	Connecting S2 satellite time series to Spot World Heritage data <i>B. Berthelot (Magellium)</i>

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Session #3a "Level-2A Validation"

Chairs: G. Doxani (SERCO) / S. Saunier (TELESPAZIO)

14:00 – 14:15	Sentinel-2 Level-2A processing: Sen2Cor status and outlook for 2021 <i>J. Louis (MPC/Telespazio)</i>
14:15 – 14:30	Comparison of the Copernicus Sentinel-2 L2A Core Product distributed by ESA and the Sen2Cor Toolbox 'user-generated' product <i>B. Pflug (MPC/DLR)</i>
14:30 – 14:45	Topography processing in Sen2Cor - Impact of horizontal resolution of Digital Surface Model <i>J. Louis (MPC/Telespazio)</i>
14:45 – 15:00	Atmospheric Correction Inter-Comparison Exercise II <i>E. Vermote (NASA)</i>
15:00 – 15:15	CMIX: The Cloud Masking Inter-comparison eXercise <i>J. Wevers (Brockmann Consult, GmbH)</i>
15:15 – 15:30	Comparison of Masks of Fmask, ATCOR and Sen2Cor <i>V. Zekoll (DLR)</i>
15:30 – 15:45	Coffee Break

Session #3b "Level-2A Validation"

Chairs: E. Vermote (NASA) / J. Louis (S2 MPC/TELESPAZIO)

15:45 – 16:00	Validation of Sentinel-2 Surface Reflectances on ROSA Test Sites <i>J. Colin (CESBIO)</i>
16:00 – 16:15	The hyperspectral Mission DESIS - Validation of L2A products using Sentinel-2 and RadCalNet data <i>R. De Los Reyes (DLR)</i>
16:15 – 16:30	Validation of Sentinel-2 Surface Reflectance Imagery Over Grosseto, Italy Using Hyperspectral Airborne Data From the 2018 FLEX Campaigns <i>B. Themann (ESA)</i>
16:30 – 16:45	Error analyses of the S2 L2 reflectances using in-situ Radcalnet directional reflectances and Irradiance measurements

	<i>B. Saulquin (S2 MPC/Cs)</i>
16:45 – 17:00	A Holistic Perspective on the Calibration and Validation of Sentinel-2: Contribution from the CCVS Project <i>S. Clerc (S2 MPC/Acri)</i>
17:00 – 17:15	Coffee Break
17:15 – 17:30	Sen2Cor - Sentinel-2 Level-2 Optical Processor Applied to Landsat-8 Data <i>U. Müller-Wilm (S2 MPC/Telespazio)</i>
17:30 – 17:45	Validation of "Phase 1" Sen2Like Products <i>S. Saunier (Telespazio)</i>
17:45 – 18:00	ACIX-Aqua: A global assessment of atmospheric correction methods for Landsat-8 and Sentinel-2 over lakes, rivers, and coastal waters <i>N. Pahlevan (NASA)</i>
18:00 – 18:15	Validation of the CMEMS High Resolution Coastal Products <i>D. Van der Zande (RBINS)</i>

17 March 2021
Session #4a "Downstream Products Validation"
 Chairs: L. Brown (U. of Southampton) / C. Giardino (IREA/CNR)

14:00 – 14:15	Validation of S2 A and B Remote Sensing Reflectance in The Eems Estuary using WISP station observations <i>S. Peters (Water Insight)</i>
14:15 – 14:30	Radiometric Validation of Sentinel-2AB by Prototype WATERHYPERNET Deployments in the North Sea and Adriatic Sea <i>K. Ruddick (RBINS)</i>
14:30 – 14:45	Preparation of Next Generation Hyperspectral Radiometric Validation Networks for Water and Land Surface Reflectance – the HYPERNETS Project <i>K. Ruddick (RBINS)</i>
14:45 – 15:00	Design of the "Fore-Optics Contamination Experiment (FCX)" to Assess Impact of Optical Contamination of Radiometers During Long-Term Automated Deployments <i>F. Ortenzio (RBINS)</i>
15:00 – 15:15	The contribution of PRISMA, DESIS and in situ data for analysing the potential improvement of second generation of Sentinel-2 <i>C. Giardino (CNR-IREA)</i>
15:15 – 15:30	Validation of the Sentinel-2 Level 2 Prototype Processor (SL2P) using Copernicus Ground Based Observations for Validation (GBOV) data <i>L. Brown (U. of Southampton)</i>

15:30 – 15:45	Assessment and refinement of the Simplified Level 2 Prototype Processor for mapping North American forests with S2 MSI <i>R. Fernandes (CCRS, Government Of Canada)</i>
15:45 – 16:00	Coffee Break

Session #4b "Downstream Products Validation"

Chairs: K. Ruddick (RBINS) / N. Pahlevan (NASA)

16:00 – 16:15	Uncertainties of FAPAR in situ Measurements and Validation of the Sentinel-2 Product- Experiences Across three Forest Ecosystems <i>B. Putzenlechner (Georg-August-Universität Göttingen)</i>
16:15 – 16:30	On the use of Sentinel-2 data for mapping of hazelnut crops in Azerbaijan <i>I. Jonckheere (FAO)</i>
16:30 – 16:45	Evaluation of Sentinel-2 snow products <i>S. Gascoin (CESBIO)</i>
16:45 – 17:00	A New Copernicus Service Component Based on Sentinel-2: Pan European High-Resolution Snow & Ice Monitoring of the Copernicus Land Monitoring Service (CLMS). <i>F. Marti (Magellium)</i>
17:00 – 17:15	End To End Testing And Validation <i>L. Hanna (Etamax Space GmbH)</i>
17:15 – 17:30	Sentinel 2 Super Resolution Capabilities: Theoretical Considerations and Usage Limitations <i>E. Hillairet (Agenium Space)</i>
17:30 – 17:45	Coffee Break

17:45 – 18:45

Session "Discussion and Conclusion"

Chairs: V. Boccia (ESA) / R.Q.Iannone (RHEA for ESA)