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

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 *C. Quang (S2 MPC/Cs)*
17:00 – 17:15	Connecting S2 satellite time series to Spot World Heritage data *B. Berthelot (Magellium)*

16 March 2021 **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 *J. Louis (MPC/Telespazio)*
14:15 – 14:30	Comparison of the Copernicus Sentinel-2 L2A Core Product distributed by ESA and the Sen2Cor Toolbox 'user-generated' product *B. Pflug (MPC/DLR)*
14:30 – 14:45	Topography processing in Sen2Cor - Impact of horizontal resolution of Digital Surface Model *J. Louis (MPC/Telespazio)*
14:45 – 15:00	Atmospheric Correction Inter-Comparison Exercise II *E. Vermote (NASA)*
15:00 – 15:15	CMIX: The Cloud Masking Inter-comparison eXercise *J. Wevers (Brockmann Consult, GmbH)*
15:15 – 15:30	Comparison of Masks of Fmask, ATCOR and Sen2Cor *V. Zekoll (DLR)*
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 *O. Hagolle (CESBIO)*
16:00 – 16:15	The hyperspectral Mission DESIS - Validation of L2A products using Sentinel-2 and RadCalNet data *R. De Los Reyes (DLR)*
16:15 – 16:30	Validation of Sentinel-2 Surface Reflectance Imagery Over Grosseto, Italy Using Hyperspectral Airborne Data From the 2018 FLEX Campaigns *B. Themann (ESA)*
16:30 – 16:45	Error analyses of the S2 L2 reflectances using in-situ Radcalnet directional reflectances and Irradiance measurements

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

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 *S. Peters (Water Insight)*
14:15 – 14:30	Radiometric Validation of Sentinel-2AB by Prototype WATERHYPERNET Deployments in the North Sea and Adriatic Sea *K. Ruddick (RBINS)*
14:30 – 14:45	Preparation of Next Generation Hyperspectral Radiometric Validation Networks for Water and Land Surface Reflectance – the HYPERNETS Project *K. Ruddick (RBINS)*
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 *F. Ortenzio (RBINS)*
15:00 – 15:15	The contribution of PRISMA, DESIS and in situ data for analysing the potential improvement of second generation of Sentinel-2 *C. Giardino (CNR-IREA)*
15:15 – 15:30	Validation of the Sentinel-2 Level 2 Prototype Processor (SL2P) using Copernicus Ground Based Observations for Validation (GBOV) data *L. Brown (U. of Southampton)*

15:30 – 15:45	Assessment and refinement of the Simplified Level 2 Prototype Processor for mapping North American forests with S2 MSI *R. Fernandes (CCRS, Government Of Canada)*
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 *B. Putzenlechner (Georg-August-Universität Göttingen)*
16:15 – 16:30	On the use of Sentinel-2 data for mapping of hazelnut crops in Azerbaijan *I. Jonckheere (FAO)*
16:30 – 16:45	Evaluation of Sentinel-2 snow products *S. Gascoin (CESBIO)*
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) *F. Marti (Magellium)*
17:00 – 17:15	End To End Testing And Validation *L. Hanna (Etamax Space Gmbh)*
17:15 – 17:30	Sentinel 2 Super Resolution Capabilities: Theoretical Considerations and Usage Limitations *E. Hillairet (Agenium Space)*
17:30 – 17:45	**Coffee Break**

17:45 – 18:45
Session "Discussion and Conclusion"
Chairs: V. Boccia (ESA) / R.Q.Iannone (RHEA for ESA)