Working Group on Calibration and Validation

DLR Agency Report

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DLR Space Administration
Agenda Item Agencies’ Report
WGCV Plenary # 41
Tokyo
September 5-7, 2016

Working Group on Calibration and Validation
At-a-glance presentation on Wednesday morning about TanDEM-X

Re-call about current and future missions

Current missions
- TerraSAR-X / TanEM-X: see presentation of Manred Zink (DLR HR)
- GRACE (will be presented next meeting to more extent)
- RapidEye (-> PlanetLabs)

Future Missions
- EnMAP: under implementation; launch date in 2019
- Merlin: Phase C, to be launched in 2019
- MetImage: Phase C0, to be launched on MetOp SG (2021)
- HRWS: High Resolution Wide Swath X-SAR: (mid 20ies)

- Presentation abot Calibration and Validation plans shortly in advance to the missions
Validation activities

Participation in European activities
- Setinel 5P: CINDI-2, FRM4GHG, FRM4DOAS, AROMAT, and others
- FLEX: HYPER, SOYFLEX
- Cal/Val activities in preparation of ADM (WindVal II) / EarthCARE (EPATAN) including DLR HALO and FALCON aircraft (and ONERA Falcon) ("High Impact Weather")
- Premier: GWEX (GLORIA 1D measurements)
- Support to FIREX (Sentinel-3 fire radiative power product validation)

Coming National Validation Activities
- ESA’s Earth Explorer ADM / Aeolus (Aircraft demonstrator system @ DLR)
- In preparation: Activities for ESA / JAXA Earth Explorer EarthCARE
- Sentinel 5 Precursor
  - TCCON / NDACC related to GHGs
  - Airborne DOAS systems
SAR Edu:
A DLR Initiative for education of EO community to make use of SAR data

In support to WGCapD

CEOS WCapD SAR Training Workshop
October 10-14, 2016
Lusaka, Zambia
Host: University of Zambia & National Remote Centre of Zambia