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GHG-CCI Quarterly Status Report (QSR) #28

Reporting period: July-September 2017; Version: 29 Septemer 2017

GHG-CCI QSR July-September 2017

1. Overall progress

During the reporting period the project proceeded as planned. No major issues have been identified. The main part of the project ended successfully and as planned in March 2017 with the delivery of the last data sets ("CRDP4") and its documentation (see previous reports and below). Ongoing is the documentation of results from specific work packages. All workpackages will end in December 2017.

CRDP4 assessments: Documented in two major documents, which are publicly available via the GHG-CCI website:

- Product Validation and Intercomparison Report (PVIR) for CRDP4 (PVIR5, 9-Feb-2017, 253 pages, http://www.esa-ghg-cci.org/?q=webfm_send/352)
- Climate Assessment Report (CAR) for CRDP4 (CARv4, 28-Mar-2017, 96 pages, http://www.esa-ghg-cci.org/?q=webfm_send/385)

Peer-reviewed publications: The entire publication list is given on the GHG-CCI website: http://www.esa-ghg-cci.org/ -> Publications (all publications using GHG-CCI data sets are marked with (*)).

Outreach to the scientific community: Primarily via peer-reviewed publications and conference and workshop participation. For example, the GHG-CCI Science Leader supported by colleagues from other CCI projects, is Main Guest Editor of a Special Issue focussing on CCI data sets. See preface: Buchwitz, M., S. Lavender, E. Chuvieco, Special issue on earth observation of essential climate variables, Remote Sensing of Environment (2017), http://dx.doi.org/10.1016/j.rse.2017.09.001 (link to in press version: http://www.sciencedirect.com/science/article/pii/S0034425717304133).

Future: As already explained in previous reports, some GHG-CCI team members are since 1st of November 2016 part of C3S (https://climate.copernicus.eu/) via project "Production of Essential Climate Variable Datasets based on Earth Observations: Greenhouse Gases (carbon dioxide and methane) (C3S_312a_Lot6)" led by Univ. of Bremen. This C3S project is essentially the operational continuation of GHG-CCI and the GHG-CCI data set will be extended in time via this C3S project. Not covered are R&D aspects, which will hopefully be covered in the future via CCI+.

2. Technical information

2.1 Publications since last QSR:

Scholze, M., M. Buchwitz, W. Dorigo, L. Guanter, S. Quegan, Reviews and syntheses: Systematic Earth observations for use in terrestrial carbon cycle data assimilation systems, Biogeosciences, 14, 3401-3429, 2017.

2.2 Number of users

Number of users (mid 2011 to 29-Sept-2017): 647 (32 during reporting period).

*** End of Report ***