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GHG-CCI Quarterly Status Report (QSR) #15

Reporting period: Apr-June 2014; Version: 27 June 2014

GHG-CCI QSR Apr-June 2014

1. Project status

GHG-CCI Phase 2 has started 1st of March 2014. Progress as planned (some details see below). A first progress meeting will be held on 14 July 2014.

2. Data gathering, algorithm improvements, evolution product specification

Data gathering and algorithm improvements: ongoing as planned without major problems. A focus was on improving the data products format: see new PSDv3: http://www.esa-ghg-cci.org/index.php?q=webfm_send/160.

3. Future activities

Focus was and still is on preparing the next data release (incl. algorithm improvements, re-processing, initial quality assessments) foreseen for Oct. 2014 (CRDP#2).

4. User impact with Phase 1 products and feedback

See 1st Climate Assessment Report (CARv1.1, http://www.esa-ghg-cci.org/index.php?q=webfm_send/153). Several peer-reviewed publications (see link to publications list given below). Several publications submitted (still confidential). Number of users: approx. 180 during mid 2011- June 2014.

5. Project outreach/promotion of data sets and publications

Conference presentations (e.g., IWGGMS-10), improvement of GHG-CCI website (e.g., new data products website: http://www.esa-ghg-cci.org/sites/default/files/documents/public/documents/GHG-CCI_DATA.html), SCIAMACHY CO₂ measurements highlighted in a new book (in German only): Axel Bojanowski: "Die Erde hat ein Leck: Und andere rätselhafte Phänomene unseres Planeten", chapter 6 "Die Erde atmet", based on ESA GHG-CCI / DLR press release prior to Living Planet Symposium 2013.

New peer-reviewed publications in reporting period:

Dils, B., M. Buchwitz, M. Reuter, O. Schneising, H. Boesch, R. Parker, S. Guerlet, I. Aben, T. Blumenstock, J. P. Burrows, A. Butz, N. M. Deutscher, C. Frankenberg, F. Hase, O. P. Hasekamp, J. Heymann, M. De Maziere, J. Notholt, R. Sussmann, T. Warneke, D. Griffith, V. Sherlock, and D. Wunch, The Greenhouse Gas Climate Change Initiative (GHG-CCI): comparative validation of GHG-CCI SCIAMACHY/ENVISAT and TANSO-FTS/GOSAT CO₂ and CH₄ retrieval algorithm products with measurements from the TCCON, Atmos. Meas. Tech., 7, 1723-1744, 2014.

Full list please see: <http://www.esa-ghg-cci.org/> -> Publications

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