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GHG-CCI Quarterly Status Report (QSR) #10

Reporting period: Jan-Mar 2013; Version: 14 Mar 2012 (Final)

GHG-CCI QSR Jan-Mar 2013

Project Status

The GHG-CCI project (www.esa-ghg-cci.org) has made significant progress during the reporting period. The project is on track in terms of meeting its objectives within the planned schedule. No major problems have been encountered. Nevertheless, the project has been cost-neutrally extended until end of 2013 to permit keeping key persons in the project should there be a contractual gap between the ongoing Phase 1 and the foreseen likely Phase 2 of the CCI.

1. Status of ECV Production Generation

The Round Robin Data Package (RRDP) is ready and available on request via the GHG-CCI website. The Climate Research Data Package (CRDP) is currently being generated and will be finished beginning of April 2013. A table listing the planned content of the CRDP is given on the GHG-CCI website. All satellite data until at least end of 2010 will have been processed. The goal is however to have all existing data available (at least as a first version), e.g., timeseries covering the entire ENVISAT mission until April 2012.

2. Initial Validation

The initial validation of the RRDP has been completed and the results have been used for the RR algorithm selection decision as documented via the "Algorithm Selection Report" (ASR) available from the GHG-CCI website. A paper documenting the RR results including the initial validation has been submitted to Remote Sensing of Environment (CCI Special Issue) for publication (currently in review). The final validation of the RRDP is however still ongoing (see Dils et al. presentation at ESA's AVCE conference, 13-15 March 2013, ESA ESRI) and it is planned to publish the final RRDP validation in a dedicated peer-reviewed publication (Dils et al., manuscript in preparation).

3. Product Access

The RRDP is available on request via the GHG-CCI website. The CRDP is currently being generated and will be ready beginning of April 2013 for project internal validation and initial user assessment by the GHG-CCI CRG. After these initial assessments the CRDP will be made publicly available via the GHG-CCI website (see Next Steps). On request, the CRDP will be made available to interested users as soon as it is ready for project internal evaluation (plan: beginning of April 2013).

4. Next Steps

Next steps are the generation of the final versions of the following documents: PVIR (quality assessment of CRDP), CAR (user assessment of CRDP), PUGs (CRDP user guide per product), ATBDs (algorithm description per product). The CRDP will be made publicly available together with these documents via the GHG-CCI website after initial validation (PVIR) and user assessment by the GHG-CCI CRG (CAR) (see also Product Access).

*** End of Report ***