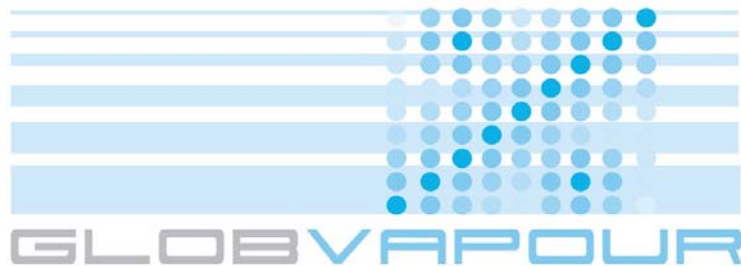


## Monthly Progress Report

### DUE GLOBVAPOUR



Issue 1, Revision 0

02 February 2010

ESRIN/Contract No.:

22696/09/I-OL

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Monthly Progress Summary - ESA DUE GlobVapour	
ESRIN/Contract No.:	22696/09/I-OL
Reporting Period:	01.12.2009 - 31.01.2010
Main Actions:	Subcontract preparation, document set up for first four deliverables, establishment of action data base, start of 1D-Var development for SSM/I

## Activities, Achievements and Status - Phase I

### Management and Coordination

#### WP 001 - Management and Coordination (J. Schulz)

- Main contract between ESA and DWD was signed on 13 January 2010
- Subcontracts were agreed among and will be issued to partners 5 February 2010
- MPR Dec 2009 - Jan 2010
- Set up of Excel Action Data Base for project management
- Date and place of the Kick-Off (KO) and Requirement Engineering Review (RER) meeting were fixed to 15/16 March at DWD, Offenbach, Germany
- PMP was updated with content lists of further deliverables

#### WP 010 - Promotion (J. Schulz)

- FUB and BC have started to set up the GlobVapour web site. It is expected that this will be functioning within the next two months.
- Abstracts on GlobVapour have been submitted to the *ESA Living Planet Symposium 2010*, 28 June - 2 July 2010, Bergen, Norway and the *2010 EUMETSAT Meteorological Satellite Conference*, 20-24 September 2010, Córdoba, Spain.
- An abstract on the planned IASI retrieval assessment was submitted to the International TOVS Working Group (ITWG) Science Conference (ITSC-17, <http://cimss.ssec.wisc.edu/itwg/itsc/>) to be held from 14-20 April 2010 in Monterey, USA.
- Planned GlobVapour data sets have been advertised to the planning committee for a german national research program on Decadal Climate Prediction (MiKlip).

### Consolidation of Requirements and Specifications

#### WP 110: Requirements Baseline (R. Saunders)

- The RBD has been set up on the basis of existing documents from CM-SAF and the ESA WACMOS project and is analysed now for additional requirements, in particular, from the climate modelling community.

#### WP 120: Technical Specifications (J. Schulz)

- The TSD and SDP have been set up and analysis of technical specifications based on existing user requirements and other data sets has been started.

#### WP 130: Summary of existing algorithm comparisons (J. Schulz)

- This has not been started but is rated not critical to be finished as planned by end of May 2010.

## Creation of Diagnostic Data Set and validation tools

### WP 210: Collection and procurement of validation data (M. Schröder)

- The drafting of the Data Acquisition Plan has started accompanied by the data acquisition of ground- and satellite-based validation data itself.

### WP 220: Collection and procurement of satellite data (J. Schulz)

- The drafting of the Data Acquisition Plan has started accompanied by a gap analysis for satellite data.

### WP 230: Development of validation tools (M. Schröder)

- Starts April 2010

## Development of Prototype Product

### WP 310: Development of GOME/SCIAMACHY/GOME-2 retrieval scheme (D. Loyola)

- Starts February 2010

### WP 320: Development of MERIS retrieval scheme (R. Preusker)

- Starts February 2010

### WP 330: Development of SSM/I - MWR retrieval scheme (M. Schröder)

- First steps toward the SSM/I retrieval were undertaken by licensing the NWP-SAF 1D-Var scheme for SSM/I, SSMIS and AMSU-A. Currently, installation of this scheme is underway at DWD.

### WP 340: Establishment of consistency of MERIS and SSMI (M. Schröder)

- Starts June 2010

### WP 350: Development of ATSR/AATSR retrieval scheme (R. Preusker)

- Starts June 2010

### WP 360: Assessment of existing IASI retrieval schemes (J. Schulz)

- An abstract on the planned IASI retrieval assessment was submitted to the International TOVS Working Group (ITWG) Science Conference (ITSC-17, <http://cimss.ssec.wisc.edu/itwg/itsc/>) to be held from 14-20 April 2010 to advertise it and potentially find more collaborators and participants. One person from the GlobVapour project will attend the conference and discuss the actual comparison also with NOAA.

### WP 370: Development of merged IASI/SEVIRI profile product (M. Schröder)

- Starts June 2010

### WP 380: Production and validation of prototype data sets (J. Schulz)

- Starts September 2010

### WP 390: Development of processing environment (U. Krämer)

- Starts May 2010

## Next Steps and Schedule

- Bring GlobVapour Website into function
- Completion and submission of RER relevant documents
- Preparation of KickOff and RER meeting
- Starting literature review on existing products

## Achievements

- No special achievements to report

## Problems encountered and solutions proposed

- Most critical area is the drafting of the Software Development Plan, the first version of this will not cover details very much.