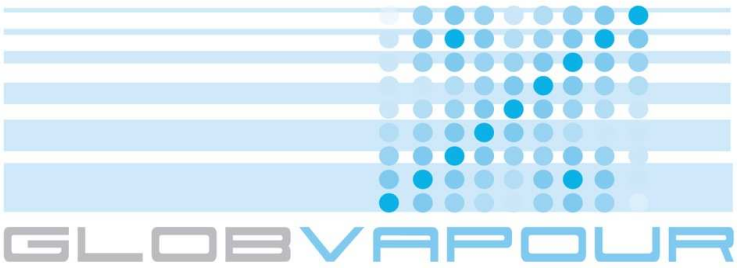
DUE GLOBVAPOUR

Kick-Off & RER

Minutes of Meeting



Issue 1, Revision 0

31 March 2010

Project nr:	ESRIN/AO/1-6090/09/I-OL
Project Coordinator:	Marc Schröder Deutscher Wetterdienst marc.schroeder@dwd.de

KickOff

Participants

[PA] Peter Albers (EUMETSAT)
[RB] Ralf Bennartz (UWisc)
[BB] Bojan Bojkov (ESA)
[SB] Susanne Brienen (DWD)
[AD] Adrian Doicu (DLR)
[JF] Jürgen Fischer (FUB)
[HG] Hans Gleisner (DMI)
[UK] Uwe Krämer (BC)
[RL] Rasmus Lindstrot (FUB)
[KM] Kornelia Mies (MPI)
[UP] Uwe Pfeifroth (UF)
[RS] Roger Saunders (UKMO)
[MS] Marc Schröder (DWD)
[JS] Jörg Schulz (DWD)
[SS] Sander Slijkhuis (DLR)
[TS] Theo Steenbergen (DWD)
[MSt] Martin Stengel (DWD)
[TW] Thomas Wagner (MPI)

Agenda

(1)	11:00	Welcome and Opening	Schulz, Bojkov
(2)	11:15	GlobVapour overview: Team and Objectives	Schulz
(3)		Contractual matters	Schulz
(4)	11:45	Methods and water vapour products from DWD Status of WACMOS project Diagnostic Data Set, IASI assessment	Schröder Schröder Schröder, all
12:30	*Lunch*		
(5)	14:00	Methods and water vapour products from FUB	Lindstrot
(6)	14:30	Methods and water vapour products from DLR	Slijkhuis
(7)	15:00	Methods and water vapour products for validation from DMI	Gleisner
15.30	*Coffee break*		
(8)	16:00	Introduction to the processing system	Krämer
(9)	16:30	GlobVapour from a user perspective	Saunders
(10)	17:00	Climate modelling at DWD	Brienen
(11)	17:15	User Group: Involvement and potential new members	Schulz, all
18:00	*Expected end*		
19:30	*Dinner at Depot 1899, Frankfurt*		

RER

Participants

[BB] Bojan Bojkov (ESA)
[AD] Adrian Doicu (DLR)
[JF] Jürgen Fischer (FUB)
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Agenda

(1)	09:00	Requirements Baseline	Saunders, all
(2)	09:45	Technical Specifications	Stengel, all
10:30	*Coffee Break*		
(3)	11:00	Data Acquisition Plan	Steenbergen, all
(4)	11:30	SDP: The processing environment	Krämer
(5)	11:50	SDP: Modules	Steenbergen, all
12:30	*Lunch break*		
(6)	14:00	Review of plans Updates to the Project Management Plan Next steps (IASI assessment, DDS, …)	Schulz, Bojkov
(7)	15:15	Next meetings, conferences, …	All
(8)	15:30	AOB	
(9)	15:45	Summary: Decisions and actions	All

Top	Issue	Com	Cat	Content	Actionee	Ref.	Status	Deadline
KickOff (15 Mar 2010)								
1.	Opening	JS	I	JS opened the meeting and welcomed all participants with a tour de table.				
2.	Presentation	JS	I	GlobVapour overview: Team and Objectives, Contractual matters.				
3.	Presentation	MS	I	"Methods and water vapour products from DWD", "Status of ESA's WACMOS project", "Diagnostic Data Set", "IASI assessment".				
4.	Prototype Products	MS	D	Generation of GlobVapour prototype products for the months July, August 2007 and January, August 2008.		Agenda Item 4		
5.	Validation	MS	D	Validation and inter-comparison of prototype, test, and final products (Level 3, provided by partners in netCDF format together with relevant info) will be done at DWD using a common metric (bias, RMSE, mean absolute difference) and the (subset of) Diagnostic DataSet (DDS). Validation of Level 2 products and methods beyond the common metric should be done by developers.		Agenda Item 4		
6.	DDS	MS	D	Validation data will not be considered if no quality flag or uncertainty estimate is part of that data.		Agenda Item 4		
7.	Presentation	RL	I	"Methods and water vapour products from FUB"				
8.	Suggestion	JS	I	The ARM sites and SuomiNet can be used for MERIS validation.				
9.	Comment	JF	I	Regarding the reprocessing status of MERIS, only first results are available.				
10.	Presentation	SS	I	"GlobVapour Total Column of Water Vapour from the GOME family of instruments"				
11.	Comment	SS	I	Currently long-term GOME albedo data are used. This will be changed to the BMD measurements from SCIAMACHY (climatology database with seasonal effects taken into account).				
12.	Recommendation	JS	I	An assessment of the impact of (consistent) albedos in MERIS and GOME water vapour retrievals is proposed.				
13.	**Action #1**	BB	A	FUB and MPI to analyse the albedo effect on water vapour retrievals from MERIS and GOME. MPI will send 630 nm GOME albedo data to	JF, TW		O	31 August

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				FUB for inter-comparison.				
14.	Presentation	AD	I	"Regularization Methods for NADIR IR Sounding of the Atmosphere"				
15.	Discussion	JS		ERA Interim as common background to IASI retrievals was proposed. In view of time and work on some participants this is not appropriate for all participants.				
16.	**Action #2**	BB	A	ERA Interim data to be made available from DWD to DLR. A IASI assessment plan is to be prepared.	TS, MSt	DAP	O	15 April
17.	Presentation	HG	I	"Water Vapour Data from GPS Radio Occultation Sounding"				
18.	Comment	JS, MS	I	The vertical axis should be converted into pressure grid coordinates.				
19.	**Action #3**	BB	A	DMI to clarify the access and property rights of the RO datasets used for validation, regarding distribution to external parties.	HG		O	1 May
20.	**Action #4**	BB	A	DMI and DWD to clarify the contents of the radio-occultation data.	HG, MS		O	1 May
21.	Presentation	UK	I	"GlobVapour Processing System" on the EODAPS-GV architecture				
22.	Presentation	RS	I	"GlobVapour from a user perspective" He made the point that climate modellers are primarily interested in single sensor datasets not merged datasets as the latter have complicated error characteristics.				
23.	Presentation	SB	I	"Climate modelling at DWD" in the perspective of future use of GlobVapour products				
24.	Presentation	JS	I	"User Group: Involvement and potential new members"				
25.	Comment	RS	I	In view of the strategies of approaching the User Community and new users, the usefulness of a User Consultation Meeting is stated. An ERA-Interim target user would be important.				
26.	Comment	RS	I	The need for water vapour products with uncertainty estimates is emphasised.				
27.	**Action #5**	BB	A	UKMO to further investigate/consolidate the user requirements in view of the User Workshop.	RS		O	1 May
28.	Decision	BB	D	A GlobVapour Newsletter will be prepared to improve the visibility				

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				and advertisement. Main input will be taken from progress meetings. The envisaged edition is biannual.				
29.	Presentation	RS	I	Requirements Baseline		RBD		
30.	Suggestion	RS	I	Delay of Availability (from overall tables) should be deleted. Long Term Accuracy should be added.				
31.	Presentation	MSt	I	Technical Specifications		TSD		
32.	Decision	BB	D	The Gome/Sciamachy/Gome-2 product will be made available on a monthly mean basis only.		TSD		
33.	Suggestion	HG	I	The radio-occultation dataset from the GRAS-SAF at DMI (projected readiness April 2010) could be made available to the GlobVapour project.		See Action 3		
34.	**Action #6**	BB	A	Clarify the spectral response function of MWR.	BB	TSD	O	16 April
35.	Presentation	TS	I	Data Acquisition		DAP		
36.	Recommendation	RS	I	Download the ATSR data from NEODC, UK as envisaged.		DAP		
37.	Comment	JF	I	FUB is responsible for the ATSR algorithm and for the data acquisition.				
38.	Comment	JF	I	MERIS aerosol optical depth product (input to MERIS TCWV algorithm) will become available in 2 months.		DAP		
39.	Comment	BB	I	MOZAIC data might be delayed by 2 years. French data may be difficult to get.		DAP		
40.	Presentation	UK	I	Software Development - Processing Environment		SDP		
41.	Comment	MS	I	It was emphasised that ESA needs to license NWP-SAF (1DVAR SSM/I, RTTOV) and NWC-SAF (1DVAR SEVIRI) software. This software is not open source.				
42.	Decision	BB	D	Major software submissions and the processing system will be under central version control at Brockmann Consult, also using bug tracking. The modules must be under closed source and not under open source. The test data will not necessarily be involved.		SDP		

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43.	Decision	BB	D	During module development the developer needs to apply bug tracking and version control.		SDP		
44.	Decision	BB	D	The Wiki page from Brockmann Consult will be accessible via the GlobVapour website.		SDP		
45.	**Action #7**	BB	A	FUB to purchase the 'globvapour.info' (or .eu) domain, and finalise a draft version (first page) of the GlobVapour website.	JF		O	15 April
46.	Comment	BB	I	It is agreed that no IDL will be used at runtime.				
47.	**Action #8**	BB	A	DLR to clarify contractually the availability of the UPAS software (source code developed by Ozone-SAF) from DLR to ESA.	SS		O	15 April
48.	**Action #9**	BB	A	Brockmann Consult to send out a questionnaire on the Processor software development details (programming language, hardware constraints, interface description, etc.).	UK	SDP	O	1 May
49.	Presentation	TS	I	Software Development – Modules and generic development/verification process.				
50.	**Action #10**	BB	A	DWD to provide the metadata description of all GlobVapour netCDF output products. Clarify compliance with INSPIRE.	TS		O	10 June
51.	Comment	BB	I	ESA is currently delayed with the payment due to the implementation of a new SAP system.				
52.	Next Meeting	BB	D	The 1st Progress Meeting will be at FUB on 10 and 11 June 2010. Planned starting time is 13:00, end time 16:00.				
53.	User Consultation Meeting	BB	I	The 1st User Consultation Meeting is planned for the time window November 2010 to February 2011. Possible location could be Hamburg or Norrköping. Exact details will be decided at the PM in June.				

Legend:
Cat(egory) = A (Action); D (Decision); I (Information); Status = C (Closed); O (Open); W (Withdrawn)