



CAMS-84

Minutes of the PM6 telecon

Minutes compiled by
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Agenda

Agenda PM7 meeting,

14:00-18:00, Monday 15 May, Warsaw

Agenda

1. Welcome
2. Announcements by the Service Manager (Jacques):
Reporting for SC1/2, payments, KPIs, news from CAMS SLBs ...
3. New schedules for the upcoming WP7, WP1, WP3, WP5/6 reports (Henk)
4. Paper WP 5: real-time evaluation of regional models above the surface (Henk); WP 6 (Eleni)
5. Demonstration of the validation server, in-situ surface observations, S&T, WP2 (Sander)
6. CAMS 2003 reanalysis evaluation. Presentations by all.
7. WP 8: development plan for the scoring document (Michael)
8. CAMS-84 related talks at the assembly (if time permits)
9. AOB

Participants

Yves Christophe, BIRA-IASB
Simon Chabrillat, BIRA-IASB
Bavo Langerock, BIRA-IASB
Eleni Katragkou, AUTH
Christos Zerefos, AA
Annette Wagner, MPG
Anne-Marlene Blechschmidt, IUP-UB
Sander Niemeijer, S&T
Antje Inness, ECMWF
Vincent-Henri Peuch, ECMWF
Henk Eskes, KNMI

Michael Schulz, MET-NO
Sara Basart, BSC
Hannah Clark, CNRS-LA
John Kapsomenakis, AA
Thorsten Warnecke, UBC
Harald Flentje, DWD
Kaj Mantzius Hansen, AU
Michel Ramonet, LSCE
Richard Engelen, ECMWF
Angela Benedetti, ECMWF
Jacques Claas, KNMI

Action items and deadlines

- Michael: Initiate next steps for development of headline scores and paper
- Henk: New schedules for WP1, 3, 5/6, 7.
- Richard: Check counting of the number of validation document downloads.

Summary of the meeting

Announcements by the service manager (Jacques):

(Sub)contract status since previous meeting:

- Service Contract 2 (SC2) between ECMWF and KNMI , based on the KNMI written Implementation Plan 2017, has been signed. This covers all the work carried out in 2017.
- A Contract Change Note (CCN) is necessary to make SC2 applicable to the existing subcontracts between KNMI and the various subcontractors.
- Almost all subcontractors have signed the CCN except: Aarhus University, CNRS-LA, CEA-LSCE
- Without a signed CCN KNMI cannot pay your 2017 invoices! Please sign the CCN asap and send back to KNMI via e-mail!!

Invoice process SC1:

- A few subcontractors have not send all their 2016 invoices yet:
 - Aarhus University: 2016 / Q4
 - CNRS-LA: 2016 / Q2, Q3 and Q4Please send your invoices asap.
- KNMI will soon issue a request to all subcontractors for sending the 2017/Q1 invoice.

KPI status:

- KPI 2: "User Uptake": these numbers are provided by ECMWF on a monthly basis and included in the Quarterly Reports. Number of reported documents is low compared to MACC. Richard will inquire once more if counting is done correctly.
- KPI 3: "User Satisfaction": this is ongoing work that will be developed CAMS-wide by CAMS-94 (coordinated by Thomas Popp), ECMWF and the other sub-projects. Vincent-Henri commented that user statistics will become available after the summer.
- KPI 4: "Uptime of validation websites": Uptime > 97%. All partners are requested/reminded to keep the content up-to-date.

Action items from last meeting

All actions in grey from the PM3 meeting have been completed:

- Michael: Initiate next steps for development of headline scores and paper. AI still open. Michael will make plan in week after the assembly.

CAMS Reanalysis

Antje explained the status of the reanalysis production. A problem with the 21L SBUV product was spotted early by ECMWF, and confirmed in the validation report. A new run has been initiated for 2003. The old run advanced to June 2005. On 4-4-04 the SBUV data in the old run was replaced with the old SBUV product.

The available 2003 reanalysis run will not be released, and also the 2003 validation report will not be made public.

Release of new reanalysis data will happen somewhere in the Summer. The aim is the release of a 2003-2004 validation report in September.

e-suite

The next NWP update is planned to be implemented at the end of June. This implies an upgrade of the CAMS system by mid July.

The e-suite is catching up with real time. Evaluation should start soon, and e-suite report should be ready by 1 July.

Validation datasets for reanalysis

All partners gave an overview of the validation datasets that will be used for the reanalysis. MPG was not present, but off-line discussions between KNMI and MPG on this are ongoing.

Other points

- There was some confusion about the control run. It was noted that the id of this run changed from "gjjh" to "gnhb" on 24 Jan 2017.
- A jump is observed on 24 Jan 2017 in ozone. This was surprising, because it was not observed in the corresponding e-suite last year. Maybe use of OMPS ??
- Sara mentioned again that DOD << AOD over Sahara. This is not expected. Organic aerosol too large.
- Thorsten showed again strong fluctuations in the model CO2 vs TCCON.
- Michael made the point that v3 Aeronet can be used NRT. Comparisons between v2, NRT and v3 should be clarified (see slide).

Presentations by all partners

On RedMine the slides presented at the meeting are available (merged to 1 pdf). There were presentations by the persons listed below. The focus was on the evaluation of the CAMS reanalysis.

Michael (MET-NO). Presentation includes slides on WP8.

Eleni (AUTH)

Sara, Emilio (BSC)

Simon & Yves (BIRA)

Hannah (LA)

Annette (MPG)

Anne (IUP)

Michel (LSCE)

Thorsten (UBC)

Bavo (BIRA)

Kaj (AU)

John & Christos (AA)

WP 2: Demonstration S&T (Sander)

Sander demonstrated the validation server developments. Slides are on Redmine. Some aspects:

- Available at cams-dev.stcorp.nl
- CAMS data available for SON 2016, focus up to now on surface observations.
- Now supported: Airbase, ESRL, GAW, IASOA
- Python scripts to convert to HARP will be distributed
- Simon: request to add a sign that "machine is working"
- There is a link with WP8 - fixed scores
- Automated quality screening is a question: based on well-defined criteria.
- Richard: disable data download options (CAMS data could be allowed). NRT observations are not to be made publicly available.
- Sander discussed temporal interpolation/smoothing, spatial interpolation
- what data to use, what reference data
- Next steps: more dynamic config, performance, automate, feedback from CAMS-84, creation of collocation HARP files.
- Next on the list (after the surface observations): NDACC
- HARP toolset: grib2netcdf, with pressure grid (command to altitude, area filtering, collocations)

Sander is welcoming for our feedback!

Christos: Have a look at WMO reports (QAQC reports on ozone and other gases)

WP 5&6: Evaluation of regional models

Henk has taken the initiative to write a scientific paper:

- To show how far we can go in evaluating concentrations of regional models above the surface with independent models, degree of consistency between observations, and document quality of CAMS-regional.

- The initiative was announced to CAMS-50 on Friday during the assembly.

CAMS-84 related talks at the assembly

- Validation of the NRT global system and updates (H. Eskes, KNMI)
- Validation of the reanalysis for the year 2003 (M. Schulz, The Norwegian Met Institute)
- Evaluation of regional and global CAMS products with IAGOS aircraft observations of ozone and CO (H. Clark, OMP)
- The stratosphere-troposphere ozone event in January 2017 over Europe, compared with the global and regional CAMS model results (D. Akritidis, University of Thessaloniki)
- Aerosol alerts: definition and evaluation (M. Gauss, Met Norway)

AOB