

PROJECT ENDORSE

MINUTES OF THE MEETING #4 (3 – 4 July 2012)

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Dissemination: all participants and the Project Officer

Marion Schroedter-Homscheidt welcome the participants on behalf of DLR hosting this meeting.

The agenda is presented by Lucien Wald. The Consortium welcomed Niels Killius (DLR), Markus Niklaus (DLR), and Laurent Saboret (Transvalor).

Session “Science”.

Sub-session “Young researchers” , chaired by Philippe Blanc.

1. “Combination of 1 year time series from ground and many years from the satellite”, by Niels Killius (DLR)

2. “Air temperature map production by SVM regression”, by Gabriele Moser (Unige)

3. “Load balancing. Actual status”, by Holger Ruf (HSUlm)

Sub-session “Less-young researchers and not-young-at-all researchers” chaired by Gabriele Moser.

4. “Typical Meteorological Year data sets. Construction, validation”, by Philippe Blanc

5. “Improving the SSI estimates from MACC by using the McClear clear-sky model”, by Lucien Wald

6. “A generic model for transposition of GHI to BNI and DHI”, by Philippe Blanc

7. “Data fusion for cartographic SSI products”, by Lucien Wald

Session “Products”. Chairperson: Marco Morelli

All products were presented. Emphasis was put on the following points:

- status of each product, encountered problems, delays,
- exchange and share of practices on validation and scientific validation plan,
- exchange and share of expertise on the use of products from Core Services, quality, access...,
- exchange and share of expertise on the interactions with Core Services, feedback to Core Services.

S1 (Philippe Blanc). The product was shown to three users, including the two prime-users. Difficulty encountered for finding dates for telecons with the users . Only one returned the assessment form and has made data available on its public web site. Another user has made available the product on a public web site of the

ACTION

WP 3 Task 3005

(Armines) should assist S1 (Armines, Transvalor) for describing the product with INSPIRE-compliant metadata. Deadline: **2012-10-31**

French Ministry in charge of energy. An effort should be made for producing INSPIRE-compliant metadata for describing all geographical layers. This should be done in connection with WP 3 task 3005.

S4 (Philippe Blanc). Products shown to the two prime-users, plus a USA company (SUNPOWER). Very good feedback which leads to a improvement of the product. Difficulty encountered for finding dates for telecons with two users. The service (in WP 6) may create TMY adapted to each user.

S3 (Marion Schroedter-Homscheidt). Flagsol is now the user and took over from its mother company Solar Millenium. Product has been assessed and positive feedback from Flagsol helps in improving the product. More stations used for scientific validation now. Several operational elements for producing the forecast are already established. DLR underlines the importance of accurate forecast of aerosols by MACC.

S5 (Thomas Wanderer). Work is progressing in collaboration with the user Kernenergien. Effort is currently put on the graphical user interface and the scientific validation is postponed till October 2012. Final version of the product by August 2012.

W1 (Nicolaz Guidon). Product assessed by user. SRTM digital elevation model has been replaced by that of the MERRA re-analysis for consistency. Therefore, scientific validation was performed again. Seems to offer opportunities to extend effortlessly the method to other areas. Detailed work on wake model.

E1 (Gerd Heilscher). Recent change in law: feed in management is mandatory since 2012-01-01 and large systems have to be retrofitted. This changes favourably the situation of the product and service in the market. Scientific validation has been performed but incompletely because of the lack of a few measuring instruments, whose values were replaced by statistical values. The potential of Meteosat, MetOP, MODIS data and MACC data for forecast, in connection with DLR, was shown to the user.

B1 (Markus Tum). Feedback from user is that the product is usable to assess biomass increase at a State level. Corrections to product are necessary; some of them request improvements in models which will be available in November 2012. There are demands for higher resolution part of them can be satisfied at service level but after completion of ENDORSE. Discussion with other users (WP 7) shows that the product has a great potential; other domains of application are possible, such as energy assessment or cellulose fabrication. Discussions are pending with users in these two domains.

B2 (Kurt Guenther). Product has been developed in close collaboration with the prime-user. This user used the product for auditing three sites in Brazil, Australia and Borneo. The scientific validation was made for the Australian site using Landsat images of higher spatial resolution serving as reference.

D1 (Dominique Dumortier). The scientific validation of the various

elements has been performed using experimental validation or check against models serving as references. Results are incorporated into Phanie-2012 photo-simulator tool. Development of service has begun.

S2 (Marco Morelli). The product has been shown to the prime-user Enel GP using a CSP site in Sicily as a test-case in February 2012 then June 2012. Prime-user did not provide operational data on the CSP system as its construction was delayed. The scientific validation was made using instead values found in literature. The validation will be performed again as soon as Enel GP will provide data.

At the request of Marco Morelli, all beneficiaries confirmed that the final versions of products are available, except S5 that will be available in August 2012.

Session “users”. Chairperson: Elena Gaboardi

Elena Gaboardi proposes an overview of the forthcoming activities relating to users (WP 2, 5, 7, and 8).

WP 5 Task 5001 successfully completed.

WP 2 Task 2002 not formally completed though it should be concluded in July 2012. A template for collecting users requirements for service was issued by iCons in May 2012 (action M2-2-1) and tested by Dominique Dumortier for D1. A revised version is now available.

Comments were made on possible users by each service provider. Generally, specifications for services will be made with prime-users having in mind comments made by other users. Delay in WP 2 is discussed, it is foreseen to complete D2.2 by October 2012. The development of services already started; hence, the delay in reporting in WP 2 does not impact the progress of the project. It is agreed that service developers will provide to iCons a list of possible users.

Claire Thomas discussed WP7, its perspectives and planning. Several possible events and agendas were discussed in details. A list is being maintained on the Web site by Claire Thomas.

Session “services” (WP6). Chairperson: Marion Schroedter-Homscheidt

Though WP 6 starts formally in July 2012, work has began earlier in several cases. Each service developer presented the status of work and workplan. The use of GMES Core Services data is also expressed.

Session “WP9: Dissemination”. Chairperson: Claire Thomas
Claire Thomas presented the achievements of the third semester in dissemination and showed the material available in the Web site as well as a new poster showing the achievements in June 2012.

ACTION (M4-2-1)

Elena Gaboardi to send a e-mail to all service developers asking them to provide a list of possible users. Deadline: **2012-07-15**

Planned events and publications are listed.
