

## Agenda:

- Welcome and Presence
- Approval of the Agenda
- NeIC announcements
- Report by Project Manager
- Approval of deliverables
- Remaining reserved FTEs
- DP checklist
- Next meeting
- AOB

## Welcome and Presence

Invited:

[Anette Lauen Borg](#), NO, Project leader, Observer

[Dan Still](#), FI, CSC

[Jørn Kristiansen](#), NO, MET Norway

[Michaela Barth](#), SE, Chair

[Sami Niemelä](#), FI, FMI

[Heiner Körnich](#), SE, SMHI

Presence: Anette, Michaela, Sami, Dan, Heiner, Jørn as of 11:15

Quorum: see § 3.6 in Collaboration Agreement

**Decision: We have quorum.**

## Approval of the Agenda

Agenda and material was sent out in time on February 14th.

**Decision: The agenda is approved.**

## NeIC announcements

- Open Call: NICEST-2 and Puhuri approved in last year's call.
- Article on neic.no about iOBS: Coming. Popular science, but technical focus and summary of progress so far

# Report by Project Manager

Report:

[https://docs.google.com/presentation/d/1zgJHZSAGB1np71p93JMf7CTCpJ-Rqj-QT8ecgYCGXso/edit#slide=id.g7ddceff3ed\\_0\\_6](https://docs.google.com/presentation/d/1zgJHZSAGB1np71p93JMf7CTCpJ-Rqj-QT8ecgYCGXso/edit#slide=id.g7ddceff3ed_0_6)

Discussion:

2 extra people as well as Ulf from SMHI named. Their competencies should fit the project. Project manager will reach out next week.

WP1:

- Collecting SAPP feedback to ECMWF, to present at the SAPP workshop in April. (They are going towards SAPP in containers.)
- At CSC, the SAPP instance is part of the OpenStack environment.

WP2:

NeIC AHM was very useful.

WP4:

Martin, Jelena, Erik working on Netatmo data assimilation.

WP5:

Apurva Nandan's presentation on Kafka and Apache Airflow at NeIC AHM was inspiring. Kafka is used differently within MET Norway.

**Decision: The SG recommends the report.**

## Approval of Deliverables

D0.1 Mid-term report to the NeIC Board (presented at board meeting Dec 12th)

<https://drive.google.com/file/d/1HuZ4pWBS2uWZsxKjUREiCG1JDJGJvty9/view?usp=sharing>

D3.2 QC algorithms for the prototype private in-situ datasets

D3.3 Monitoring systems for feedback on data quality to the private data providers

D4.1 A model system that handles conventional observations pre-processed using SAPP.

D4.2 Quality controlled, bias corrected data sets with error characterization implemented in HARMONIE data assimilation

Discussion:

D3.3 using Shiny (an R tool) and LeafLet as exemplary ways of monitoring Netatmo data.

D4.1: The blue result is the one using SAPP output (with more radiosondes): clearly better results. Meteorological institute in Ireland is using this now (they were early SAPP users).

Is SAPP output used in surface model? Yes.

Ensure that improvements are not only due to displacements (GTS receptors can get locations wrong and SAPP has a different way to handle that): worth to understand the improvement. Improvement shown in verification would be a good argument for the overall Nordic introduction of SAPP (more efficiency with better results).

GTS data is received in different ways at different institutes. There are some errors in the software handling this.

Besides this and radiosondes handled differently, one other reason for the improvement might be that SAPP is accepting more observations data.

D4.2

Scale is in HektoPascal.

WP2,3 and 4 found out at the same time that Netatmo calculates and delivers mean sea level pressure, not the in situ measurement. We are now reverse engineering the pressure calculations to get the in situ.

WP3 is working on an algorithm that excludes stations that are obviously given wrong geographical coordinates.

SGs overall verdict: Lots of interesting results and very useful. Right tools are being used.

Good communication also within the team. Good prospects for further results: These results getting operational in the shorter term is very positive.

**Decision: The deliverables are approved.**

## Remaining reserved FTEs

Last SG's decision: The SG supports a project prolongation provided that is the best solution for the quality/resource use of the project. Sharing is to be done pragmatically based on need not on equal partner shares.

\*AP: Anette make a first draft of distribution based on outcome of M12 deliverables and discussions within project.

Distribution and first staff availability overview discussed with the team at NeIC AHM 2020.

2 Person Months of the remaining 24 PMs to be spent within autumn 2020:

Anna Frey and others at FMI, also SMHI, may be able to spend this extra project time. WP wise: WP2 and WP4 are priorities.

Project extension: Probably only people doing more long-term work. Final plan defined on continuous feedback from staff. Most project staff confirmed that they would be available. Is there enough time to include a reference publication of the results, especially from WP2, WP3 and WP4? This would be useful and should be written as/at the same time as the report deliverables.

We will discuss Deliverables, names and exact Gantt chart for the extension at the next SG meeting.

**Decision: The SG suggests a prolongation based on slide 16 and 17 in the report.**

**AP Anette: Prepare updated project plan including prolongation for next SG meeting**

**AP Michaela: Forward Prolongation request to NordForsk**

## DP checklist

[https://docs.google.com/document/d/1uXT15ai2-0PBS-\\_Duhs-Clv\\_Hwh6m86OJBGpfnURosk/edit](https://docs.google.com/document/d/1uXT15ai2-0PBS-_Duhs-Clv_Hwh6m86OJBGpfnURosk/edit)

## Next meeting

**Decision: Reserve May 8th 12:00 - 13:30 CEST**

## AOB