

# SUMMARY from the Ny-Ålesund Terrestrial Ecology Flagship side meeting in Oslo. 4. November 2019.



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**Time:** 4. November 2019 09:00-17:30

**Venue:** [Scandic Fornebu Oslo](#) (meeting room Nautilus), same location as [SSC2019](#). Workshop web page [here](#)

## Program

09:00-09:30: Welcome by flagship chair Maarten Loonen – short presentation of people. Update on the Manuscript to date.

09:30-12:00: Writing groups to continue the work on the joint publication

12:00-13:00: Lunch

13:30-14:30: The groups continued to work in groups after lunch.

14:30-15:00: Coffee brake

15:00-17:30: Summary of writing groups contributions and final discussion on gaps and needs and future cooperation between flagships

19:00: Dinner

## Participants list

Jeff Welker, Finland,

Deniz Vural, Germany,

Ilaria Baneschi Italy,

Antonello Provenzale Italy,

Angela Augusti Italy,

Mariasilvia Gamberini Italy,

Vittorio Pasquali Italy,

Maarten Loonen Netherlands,

Thomas C. Jensen Norway,

Eva Fuglei Norway,

Geir W Gabrielsen Norway,

Åshild Ø. Pedersen Norway,

Virve Ravolinen Norway,

Elisabeth Cooper Norway,

Alfred Stach Polen,

Peter Convey UK,

Vera Sklet Norway,

Josef Elster, Czech

## Summary

Writing groups to continue and contribute to the joint publication that we started at the Longyearbyen workshop in October –aiming to write through *section 4. Knowledge gaps and recommendation for the future.*

We started this section with a discussion in plenum.

Action for GAP analyses (should be a short list with questions on what we should do):

1. Description  
Monitoring  
Experiment  
Paper  
For the next 5 years
2. Structure  
sites

Based on Jeff Welkers suggestion on knowledge gaps we ended up to work with the following tasks:

1. Global perspective (Group of people: Peter, Antonello, Elisabeth, Elise, Åshild)
2. Biome interactions, cross scale interaction
3. Food web interaction, timing (Group of people: Maarten, Thomas, Geir, Virve, ..)
4. High arctic carbon pools (Group of people: Angela, Silvia, Jeff, Åshild, ..)  
microbiology  
grazing  
permafrost  
isotops  
hydrology
5. Climate change, humans, extreme events, shipping/tourism

Elisabeth suggested to include a Table (supplementary probably) of long time series, but also shorter fragmented data.

Discussed in plenum suggested Figures for the MS. We did not conclude on this now.

1. A study area map (NP responsible)
2. Map showing the system
3. Map to illustrate the climate of Ny-Ålesund
4. Map showing different types of studies (suggested by Elisabeth) on a figure showing distance (1cm, 1m, 10m, 1km, 10km.....) on the y axes and Time (1s, 1hr, 1week, 1month, 1year....) on the x axes.

Peter Convey started to do the editorial work on the last draft of the Manuscript from Maarten.

The MS need a strong editing session before we send it back to all the co-authors for comments. This means that we will circulate the MS within a core writing group (Maarten, Peter, Åshild, Angela, Eva) before it goes out to everyone. Maarten will include all suggestions and send out a new version of the manuscript within 2 weeks, and then plan until final submission to the Journal: Polar Research (should be done within 2019).

Related to the program we should plan the next steps for the Terrestrial Flagship activities though common discussions about possible uncertainties and discuss future directions and cooperation for terrestrial research in the High-Arctic. This we did not go into, but some of it was discussed through the groups.

Finally we shortly went through the needs and future cooperation between flagships to be discussed at the coming meeting Wednesday afternoon 16:00-18:00 for all four Ny-Ålesund flagships chairs and co-chairs. Angela will participate on SKYPE.

## **NEW SSG proposal (Svalbard strategic grant proposal)**

The terrestrial flagship will suggest and discuss the following Interaction between flagships and indicate in blue responsible persons:

- seabird nesting and nutrients from land to sea (Terr+Marin) *Virve and Geir W*
- fresh water discharge and lake dynamics in glacier foreland (Terr+Glaciol+Marine) *Ilaria*
- atmospheric nitrogen deposition and vegetation productivity (Terr+Atmospher) *Maarten, Hans*
- carbon balance on arctic tundra (Terr+Atmospher) *Uchida and Hans*
- long range transportation of pollutants (Terr+A+Glaciol) *Geir W*
- pollutants released from glaciers & snow (Terr+G+A) *Geir W*
- coastal processes erosion nutrients (sea aerosols, submarine permafrost, wave action, climate (T+M+) *Ulf*

Maarten announced at the workshop in Longyearbyen in October that he would like to step down as the leader of the Terrestrial Flagship. Angela Augusti (CNR) has been asked to take over the leadership and accepted. This was announced at the end of the meeting.