Copy of chat from the INTAROS Roadmap meeting 17 December 2020

**Mikael Kristian Sejr to Everyone**

maybe combine 2.1 and 2.5...

10:12

**Mikael Kristian Sejr to Everyone**

sorry 2.2 and 2.5

10:21

**Finn Danielsen to Everyone**

Should there be a recommendations section?

10:24

**Agnieszka B. Moeller to Everyone**

And perhaps a sort of short executive summary for funding agencies/decisio nmakers?

10:25

**Finn Danielsen to Everyone**

Can you say anything about the links to the perhaps somewhat parallel SAON process?

10:35

**Hanne Sagen to Everyone**

Use INTAROS-2 document and Deliverable from INTAROS to establish the list of important infrastrucutres and longterm programmes.

10:39

**Agnieszka B. Moeller to Everyone**

Should the Chapter 2 start perhaps with 2.0 A short summary on the current status of Arctic observing?

10:40

**Hanne Sagen to Everyone**

Important requirement that the in situ observing system is complementing the satelite remote sensing, and provide data that is not available from the satelites.

10:40

**Hanne Sagen to Everyone**

Aginieszka - perhaps we can use the ARCMAP system to show the status.

10:41

**Agnieszka B. Moeller to Everyone**

Good idea - we need a starting point before going into all details

10:41

**David Gustafsson to Everyone**

I support Michaels comment regarding scope - should we use term ground based osbervations instead of in-situ as a contrast to satellite based? Or we should use insitu versus remote sensing (and the latter can be in-situ or remote sensed based)

10:43

**Hanne Sagen to Everyone**

Use of ARCMAP require that we up date the system, but that is important anyway.

10:45

**Ruth Higgins (INTAROS) to Everyone**

Additional technical informaion can be provided via the website as supporting material. The document can have many links.

10:45

**David Gustafsson to Everyone**

There is a tendency in the text to focus on research infrastructure - but we also look at other type of observation infrastructure

10:45

**Truls Johannessen to Everyone**

Consider to divide biology and biogeochemistry into separate section. Biogeochemistry is more dealing with the ocean physical and biological uptake of carbon, speed of ocean acidification, deoxygenation, in sum changes in the general carbon and nutrient cycles etc. The biological part the way I view it is more related on how the different organism will react on these changes. I will suggest that Jean-Pierre Gatuso and Nick Roden is added to this group

10:47

**Geir Ottersen to Everyone**

I agree with Truls. Biology/ecology and biogeochemistry are quite different all the way from type of observation system to end users

10:48

**Hanne Sagen to Everyone**

Issues will be different for different diciplines and regions.

11:04

**Mikael Kristian Sejr to Everyone**

for biology/ecology the main aim is the conservation of Diversity and sustainable management of living resources -observation networks and gaps have been identified already

11:07

**Geir Ottersen to Everyone**

Well summarized, Mikael

11:08

**Truls Johannessen to Everyone**

In general there is a lack of data. Mosaic and other planned campaigns will to some degree fill these gaps. To the discussion of the 10 most important issues to address can be hard to pick out. If we link it to the global issue global warming, sea level rise, changes in biogeochemical cycles addressing changes in ocean uptake of GHG, ocean acidification, deoxygenation, changes in nutrient cycles consume by changes in nitrification and denitrification processes. All these perturbations are relate to changes in the sea ice cover feeding back to global warming and the atmospheric circulation. Just some leaps of thoughts.

11:11

**Peter Voss to Everyone**

From a natural hazard point of view, we recommend to collection data offshore and near sites of high hazard, in real time. Data management and sharing is in place and CBM used in Intaros has shown very useful.

11:21

**Andreas Peter Ahlstrøm to Everyone**

WP2 produced reports with rich information for the roadmap that we should utilize (e.g. on observing capacity and gaps)... this goes for the cryosphere as for the other spheres. For the cryosphere (and land), I would start with Report D2.7, which has companion reports in the other spheres.

11:23

**Mikael Kristian Sejr to Everyone**

It could be usefull to try to develop conceptual diagrams for the GA... we need figs for the report