Copy of chat from 12 January 1300-1700

13:27:50 From Georg Heygster to Everyone : Andreas, as a Person interested in snow depth on sea ice I especially liked you presentation of snow Depth and SWE, and conversion between the two. How did you bring in the Change of Density?

13:34:27 From ChengBin (FMI) to Everyone : Hi, Andreas and Heygster, I also would like to know the answer of this question. :-)

13:36:47 From tsoltwed to Everyone : next presentation (Task 3.3) will be given by my colleague Christiane Hasemann

13:36:53 From Georg Heygster to Everyone : Andreas, I did not well understand how the Background Radiation Comes into Play as you mentioned. Perhaps we can have later a short offline discussion, together with Cheng Bin?

13:39:16 From Andreas P Ahlstrøm to Everyone : To Georg and Cheng Bin: I need to involve Robert S. Fausto at GEUS in this discussion as he has been working hands-on with this. We have help processing the data from the company delivering the SnowFox instrument (HydroInnova).

13:43:26 From hanne to Everyone : The CAATEX experiment (Led by NERSC) offered ship time to INTAROS. CAATEX data is not under the INTAROS umbrella. There is no funding for CAATEX from INTAROS. However, data from NERSC instruments on the NERSC 4 is available as part of INTAROS as well as when CTD data is collected.

13:51:09 From Andreas P Ahlstrøm to Everyone : SWE method: <http://hydroinnova.com/snow_water.html>

14:00:55 From Ken Mankoff to Everyone : And to answer the original Q " How did you bring in the Change of Density?" I \*think\* SnowFox is just SWE. We also need the PROMICE snow height in combination to estimate density.

14:08:19 From Andreas P Ahlstrøm to Everyone : Re: SWE... this is correct, we need sonic ranging data on snow height from SR50 instrument to get to density with the SWE from SnowFox...

14:08:40 From hanne to Everyone : Christiane, it is a very nice data set you have from Kongsfjorden. Do you plan to publish? There is a Special issue in JASA: Ocean Acoustic in the changing Arctic see <https://acousticstoday.org/wp-content/uploads/2020/02/Ocean-Acoustics-in-the-Rapidly-Changing-Arctic-Peter-F.-Worcester.pdf>

14:13:28 From Christiane Hasemann to Everyone : The Kongsfjorden data set is a CNRS dataset,

14:14:27 From hanne to Everyone : Ok the same question then goes to CNRS

14:21:40 From Gaëtan Richard - IUEM, CNRS to Everyone : Hello Hanne, we have seen the special issue and we will try to finish our analyses in time to submit a paper in JASA

14:23:04 From hanne to Everyone : Great! The submission date will be extended to end of June.

14:26:04 From Gaëtan Richard - IUEM, CNRS to Everyone : this is a good news, we saw the deadline was for the end of March, in this case it should work better for us, thank you for the information

14:32:12 From Marie-Noelle Houssais to Everyone : Although we did not mention it in our slides, CNRS-LOCEAN does intend to continue with endurance glider lines in Fram Strait in 2021 and, hopefully, the following years...

14:33:51 From Erik to Everyone : A cooperation between EMODnet, CMEMS INSTAC nd EuroGOOS has established a Arctic Data Portal for marine data. Are all the excellent observations collected in WP3 freely available to include in this portal??

14:34:12 From Gaëtan Richard - IUEM, CNRS to Everyone : Marie-Noelle, do you have transects of your glider within Kongsfjorden ?

14:34:39 From Agnieszka B. Möller to Everyone : My mistake, obviously I got it wrong somehow. It is great that there are plans to continue the glider endurance lines and we are always happy to help with deployments and recoveries during Oceania cruises in the area

14:39:55 From Marie-Noelle Houssais to Everyone : RE. Gaetan. We do have data when the glider entered KGF for recovery but we have not looked at those in details yet. You can have those of course.

14:40:27 From Agnieszka B. Möller to Everyone : Erik - some of WP3 data have been already published in the open access repositories of the partners’ choice and they can be already included in the Arctic Data Portal. But most of the data are still being processed and will be published this year (before the project end). When they are being successively released when ready, they should be also included in the Arctic Data Portal

14:40:46 From Marie-Noelle Houssais to Everyone : Re. Agnieszka: Thanks Agnieszka, we know we can count on Oceania!!!

14:41:40 From Erik to Everyone : Thanks Agnieszka

14:44:31 From Delphine Mathias to Everyone : Thanks Marie-Noëlle !

14:47:48 From Gaëtan Richard - IUEM, CNRS to Everyone : Thank you Marie-Noëlle, your data may be very helpful

14:48:25 From Torill Hamre to Everyone : @Erik - WP3 partners that have already published their data in open repositories should not need to upload to another site. Harvesting metadata from the INTAROS Data Catalog is a better option IMO Then they can be included in other catalogs and portals.

15:13:17 From Roberta Pirazzini to Everyone : @CNRS people: can you provide some detail on the optical instrument that you deployed in MOSAiC? What it measured?I am not sure if I have seen it in leg 5.... as I measured albedo and snow/SSL properties, I am of course interested in other simultaneous and collocated optical measurements

15:28:11 From hanne to Everyone : When we publish data in different repositories it is Please remember to include the formular for acknowledging the INTAROS project: This work is a contribution to the project INTAROS. This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 727890.

15:31:00 From hanne to Everyone : Also, it is important to promote the iAOS portal and in particular the data catalogue.

15:33:23 From hanne to Everyone : Torill - what is the time line for the workshop for following up the mooring data?

15:41:38 From hanne to Everyone : I see that the is a large focus on marine data - who is handling Atmospheric and land data? Is there a clear division of work?

15:45:35 From Geir Ottersen to Everyone : The showcases in WP6 include also one on hydrography and snow/avalanche forecasting

15:46:08 From Roberta Pirazzini to Everyone : FMI is contributing to Task5.3 by generating Merged Observatory Data Files (with same structure as NWP model outputs). With this activity we leverage the YOPP effort and directly serve another EU project (APPLICATE) by providing the in situ data needed for process studies and model validation.

15:53:05 From Roberta Pirazzini to Everyone : To clarify, I add that the generated MODFs concerns Sodankylä atmospheric and terrestrial data, are in netCDF format, and will included in the INTAROS catalogue

15:59:39 From Roberta Pirazzini to Everyone : Sorry, unfortunately I have to leave the meeting. I will see the recording of the WP6 task 1-8 tomorrow morning, if it is available

16:00:07 From Andreas P Ahlstrøm to Everyone : Recordings should be ready shortly after the meeting by dropbox

16:00:16 From Fanny Ardhuin to Everyone : Great

16:01:29 From Francisco Navarro to Everyone : What degree of expertise (geostatistics, GIS in general) do you expect for the users of these applications? In other words, whom are they addressed to? (main type of users)

16:01:48 From hanne to Everyone : All the applications are nicely presented. My question is that you produce new work flows, data and analysis will results be stored in the INTAROS data catalogue?

16:12:28 From Hervé Caumont to Everyone : Uploaded to Dropbox:

16:12:32 From Hervé Caumont to Everyone : INTAROS GA 2021 - Task 5.3 Integrating data from existing repositories

16:12:38 From Hervé Caumont to Everyone : INTAROS GA 2021 - Tasks 5.4-5.5 Implementing showcases with WP6 tasks

16:21:20 From Fanny Ardhuin to Everyone : Nice to see benefit using the CERSAT data

16:21:30 From Fanny Ardhuin to Everyone : Thanks to have used them

16:22:52 From Georg Heygster to Everyone : Can you explain one example field of the checkerboard diagram, how to read it?

16:25:38 From Georg Heygster to Everyone : The SIT result for 1st winter is either high or low, but not near 0 in between. How come?

16:27:07 From Georg Heygster to Everyone : Which observations go into the Cersat SIC?

16:31:31 From Fanny Ardhuin to Everyone : Hi Georg, SSMI, at 12.5 km, Artist Sea Ice Algorithm

16:32:00 From Fanny Ardhuin to Everyone : Long-term time series from 1992, ongoing

16:37:05 From Tim Kruschke (SMHI) to Everyone : @Georg: regarding your question on SIT and why it is either high or low but mostly not close to zero:

16:37:36 From Tim Kruschke (SMHI) to Everyone : This is a result based on rather few hindcasts and a comparably small ensemble. This leads to quite large unvcertainty, hence, spread of the results.

16:38:22 From Tim Kruschke (SMHI) to Everyone : This is not very nice but due to the fact that we (and our colleagues at DMI) could simply not afford computationally to run a full set of hindcasts with a large ensemble.

16:39:02 From Georg Heygster to Everyone : Thank you, Tim, for your clear explanations!

16:41:48 From Tim Kruschke (SMHI) to Everyone : And additionally, initialization of sea-ice was not performed everywhere. Especially, coastal and shallow ocean regions have been excluded. And in fact those are the regions that pop up negatively regarding the sea-ice.

16:41:58 From Tim Kruschke (SMHI) to Everyone : thickness.

16:43:36 From Tim Kruschke (SMHI) to Everyone : If you are interested in the details you may have another look at the presentation (already uploaded). Thos regions not assimilating sea-ice are marked by short dashes in this figure. And all the tiny deatils can be found in:

16:43:40 From Tim Kruschke (SMHI) to Everyone : <https://gmd.copernicus.org/preprints/gmd-2020-331/#discussion>

16:43:59 From Tim Kruschke (SMHI) to Everyone : Thank you for your interest!

16:49:14 From Andreas P Ahlstrøm to Everyone : Regarding the sensitivity of the Greenland halibut, the numbers indicated a similar sensitivity as the other species shown when considering the scale on the y-axis... am I misunderstanding something in this line of reasoning?

16:56:42 From Fanny Ardhuin to Everyone : Thanks for the link of the publication Tim, I am very interested