

GLAERE – project

divided kick off meetings

1st part, Senja, Norway, 14th Feb. 2014

Present:

NPI - Kit Kovacs, Christian Lydersen, Jack Kohler, UNIS/UiT - Jorgen Berge, IOPAN - Jan Marcin Weslawski, Marta Głuchowska

Summary of the discussions: The plan for 2014 is to use part time on OCEANIA for marine biological survey and hydrography in Hornsund and Kongsfjorden – this will be completed by Polish team. Sea mammal research will go independently with its own logistics. Seabirds team (focused on Kittiwakes) will work both in Hornsund (Polish group) and Kongsfjorden (Norwegian group). We discussed the need to organize at least one joint field campaign in Kongsfjorden. This will serve as a main model area for intensive joint operations – approximately 1-7th August 2015. Hornsund glaciers are going to be studied by Polish hydrographers surveyed intensively since spring 2014. Other locations – as logistics permits (at SW Spitsbergen Skoddebukta, Olsokbreen) - scheduled for 2015. Norwegian partners will check the opportunity to use LANCE for the NE Svalbard cruise in 2016. Jorgen Berge already collected material (fish trawls) from Hellmer Hansen in Kongsfjorden in September 2013 and January 2014. There are plans to repeat this sampling in January 2015 and autumn 2015.

2nd part, Sopot, Poland

Present:

IOPAN – Jan Marcin Węstawski, Agnieszka Beszczyńska- Moller, Waldemar Walczowski, Marek Zajączkowski, Maria Włodarska-Kowalczyk, Marta Głuchowska, Joanna Piwowarczyk, Zygmunt Klusek, Joanna Szczucka

University of Gdańsk – GIS Center – Jacek Urbański, Anna Piszewska, Joanna Gałkowska, Anna Górka

University of Gdańsk – Dept. Of Vertebrates Ecology – Lech Stempniewicz

Sea Fisheries Institute – Dariusz Fey

Summary of the discussions: List of planned deliverables were presented (see the end of this document) and the field work plan was presented and discussed for 2014. Administrative issues were demonstrated by Joanna Piwowarczyk, who will be person in charge of this sector. GIS- team presented the possibility of the new satellite images for the analyses of glaciers plumes. Plan for the fish collection were discussed – the work will be based on the frozen material from fish trawls (from Jorgen Berge) and new collection of fish larvae with Tucker Trawl (Oceania 2014) and large macroplankton net (MIC from Hellmer Hansen 2014-2015– as the opportunity allows).

Summary of planned deliverables with deadline months (green are papers promised, yellow the field work to report)

WP 1 Management – Jan Marcin Węslawski

- D_1.1 Synthetic scientific paper submitted M 36
- D_1.2 Website launch M3
- D_1.3 Detailed information and promotion plan M6
- D_1.4 Progress report on dissemination M12, M24, M36
- D_1.5 Popular science book M 24
- D_1.6 Set of lessons scenarios downloadable from the project web-site M24
- D_1.7 Quality and evaluation plan M6
- D_1.8 Kick Off meeting report M2
- D_1.9 Mid-term meeting report M18
- D_1.10 Internal mid-term monitoring Progress report M18

WP 2 Physical drivers – Agnieszka Beszczyńska – Moller

- D_2.1 Collection of archival data on physical environment in tidal glacier bays – M24
- D_2.2 Collection of new data from the dedicated field work – M24
- D_2.3 Publication about the importance of glaciers as a areas of coastal waters modification (dense water formation, freshwater outflow, suspensions export) - M34

WP 3 Remote Sensing and GIS – Jacek Urbański - Jack Kohler

- D_3.1 Completion of archival data on tidal glacier fronts – M12
- D_3.2 Completion of new field work data – M24
- D_3.3 Publication about the importance of glaciers as a habitat for marine animals - M30

WP 4 Marine Mammals – Christian Lydersen

- D_4.1. Primary publications on space use by various marine mammal species with special regard to glacier fronts M30
- D_4.2 Multidisciplinary publications on what makes some of these glaciers hot-spots for upper trophic animals - M30
- D_4.3 Popular scientific articles and newspaper articles will also be made where the results from these studied will be profiled. – M30

WP 5 Seabirds – Hallvard Strom – Lech Stempniewicz

- D_5.1. Completion of archival data on the use of glacial bays by seabirds. Survey data and tracking data (GLS and satellite) collected by IO PAN and NPI prior to this project - M 12
- D_5.2. Completion of new field work data. Data on species composition, distribution, abundance,

spatial and temporal variation, diet, GPS tracking data – M24

D_5.3. Publication on the importance of glacier fronts as habitat for seabirds - M 30

D_5.4. Publication on the role of seabirds in glacial bay food web systems – M30

WP 6 Fish – Jorgen Borge – Dariusz Fey

D_6.1. Completion of archival data on glacial bays fish occurrence – M24

D_6.2. Completion of new field work data – M24

D_6.3. Publication about the importance of glaciers as a habitat for fishes – M34

D_6.4. Publication on the fish role in the glacial bays food web - M34

WP 7 – Lower trophic levels – Maria Włodarska – Kowalczyk

D_7.1. Data base of archival data on glacial bays invertebrates occurrence - M12

D_7.2. Data base of new field work data - M24

D_7.3. Manuscript of a publication about the potential importance of glacial bays as refuges for cold water species (submitted to a peerreviewed journal) - M36

D_7.4. Manuscript of a publication on the invertebrates role in the glacial bays food web (submitted to a peer-reviewed journal) - M36