

# IASC workshop on the dynamics and mass balance of Arctic glaciers & proglacial marine ecosystems

22 – 24 January 2018, Obergurgl, Austria

## SPECIAL ACTIVITIES:

- ❖ Understanding atmosphere-glacier-ocean interactions and their implications for the pan-Arctic glacier mass budget
- ❖ The importance of Arctic glaciers for the Arctic marine ecosystem



Network on Arctic Glaciology

# IASC cross-cutting activity: The importance of Arctic glaciers for the Arctic marine ecosystem

❖ **Cryosphere and Marine working groups:** glaciologists met marine biologists/ecologists

❖ **Topics included:**

- Glacier freshwater discharge and nutrient delivery to downstream ecosystems
- Proglacial marine ecosystems (e.g. plankton, benthos, fish, seabirds and marine mammals) and their response to glacier processes and glacier changes

❖ **Open discussion:** Collaboration between glacier and marine biology/ecology communities

❖ **Recommendation for follow-up activities:** involve physical oceanographers, ocean biogeochemists and glacier geomorphologists



# The workshop attracted 42 participants from 16 countries

## Funding

IASC-CWG: € 6750

IASC XC: € 3500

**Total: € 10250**

- Travel support (€ 7500; 9 ECS, 1 senior)
- Workshop logistics (€ 2750)



The **next workshop** on the dynamics and mass budget of Arctic glaciers:  
Place: Geilo, Norway (Finse and Skeikampen as backup)  
Time: end of January 2019



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