EU Arctic research

Research projects funded under FP7 and Horizon 2020

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Arctic research in FP7

About 200 M € were spent on projects related to the Arctic:

- **Infrastructure**
- **Arctic processes and Global Effects**
- **Socio-economic impacts of the changing Arctic environment**

Infrastructure

***SIOS**: Svalbard Integrated Earth Observing System*

***EMSO**: European Multidisciplinary Seafloor Observatory.*

***InterAct**: the International Network for Terrestrial Research and Monitoring in the Arctic*

Arctic change and global effects

***Ice2sea**: global sea level rise caused by melting glaciers and ice-sheets in Greenland and Antarctica*

***PAGE21:** Changing Permafrost in the Arctic and its Global Effects in the 21st Century*

***THOR / NACLIM**: Observation, modelling of the Atlantic/Arctic Ocean Circulation and impacts on European Climate.*

Socio-economic impacts of the changing Arctic environment

***ACCESS**: Arctic climate change impacts on socio-economic activities such as marine transportation and tourism, fisheries and aquaculture as well as oil and gas extraction.*

***ICE-ARC:** Climate, Sea ice change, local and global economic impacts*

***ArcRisk /CLEAR**: Health impacts of climate-induced changes in contaminant cycling in the Arctic.*

***ATP**: Arctic Tipping Points*

Horizon 2020: call BG-2014

European Polar Research Cooperation (BG-15)

- **Improved European and International cooperation in Arctic Research (contrib. to Galway process)**
- **Development of a European Arctic Research Programme**
- **Continuous stakeholder dialogue, incl with indigenous people**
- **Policy advice on national and EU level**

Future programming period 2016-17

- Focus on Arctic within the "Blue Growth"
- On-going discussion on possible priorities, like *(very preliminary and non-validated list)*:
  - Integration and access to observation systems (GEOSS), also as a contribution to the YOPP
  - Impact of Arctic changes on the Northern latitude climate and weather
  - Changes in Arctic ecosystems and socio-economic impacts: coastal areas, permafrost, adaptation to climate change, sea-level rise