



# NUNATARYUK

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Permafrost thaw and the changing Arctic coast, science for socio- economic adaptation

H2020 BG-11-2017



# Nunataryuk – Land to Sea

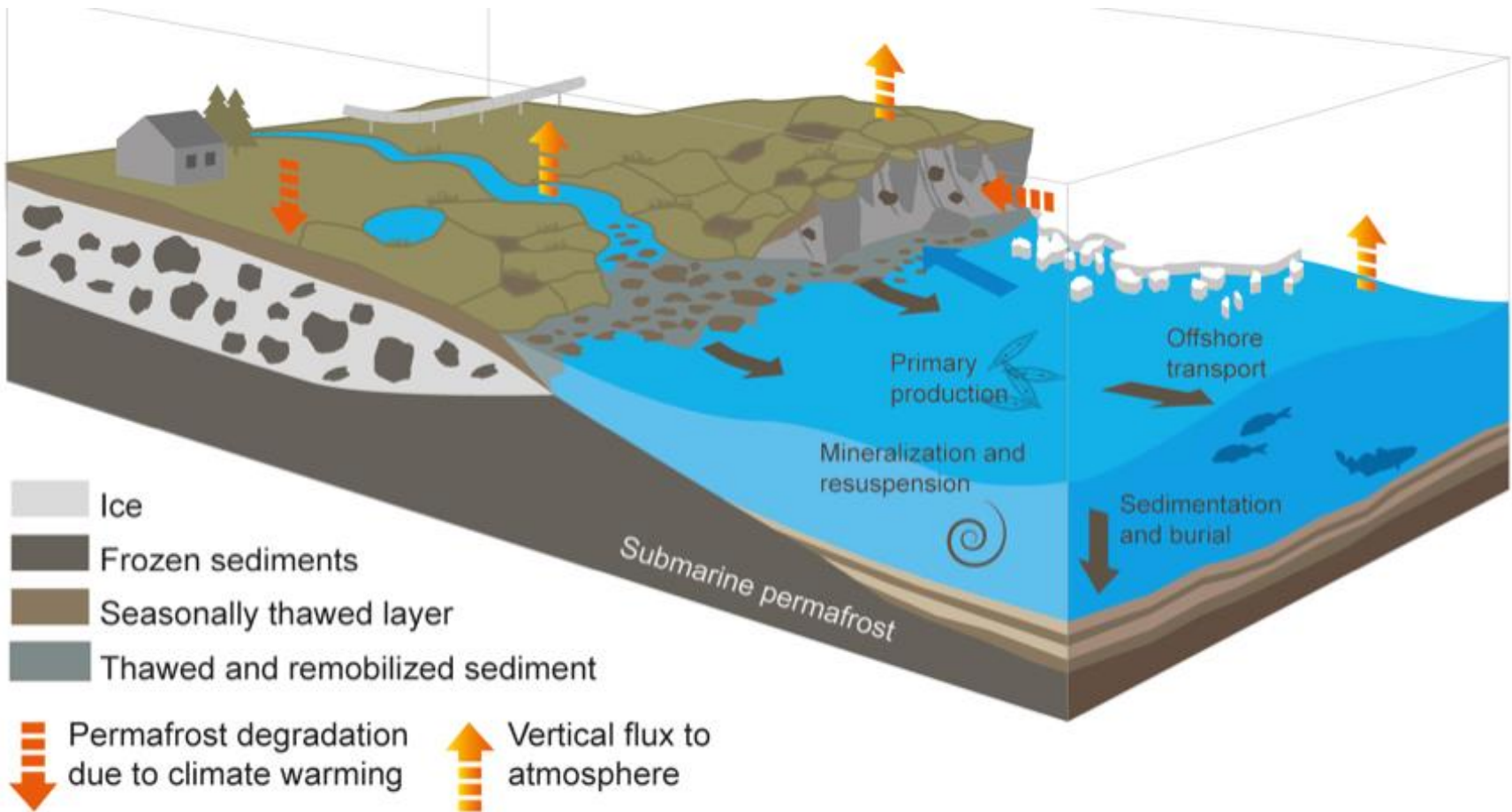
- ✧ Nunataryuk stands for “land-to-sea” in Inuvialuktun, the traditional language spoken by the Inuvialuit in the western Canadian Arctic
- ✧ Permafrost coasts make up 34% of the world’s coasts
- ✧ A key interface for human-environmental interactions in the Arctic
- ✧ A dynamic and vulnerable zone due to climate warming



# Nunataryuk – Objective

- Determine the impacts of thawing land, coast and subsea permafrost on the global climate and on humans in the Arctic and to develop targeted and co-designed adaptation and mitigation strategies.

# Nunataryuk – Objective



# Nunataryuk – Partners

- 28 partners from EU, Greenland and Canada
- Collaborative partnerships with Alaska and Russia
- Coordinated by Alfred Wegener Institute, Potsdam Germany
  - Coordinator Prof. Hugues Lantuit, co-coordinator Dr. Paul Overduin

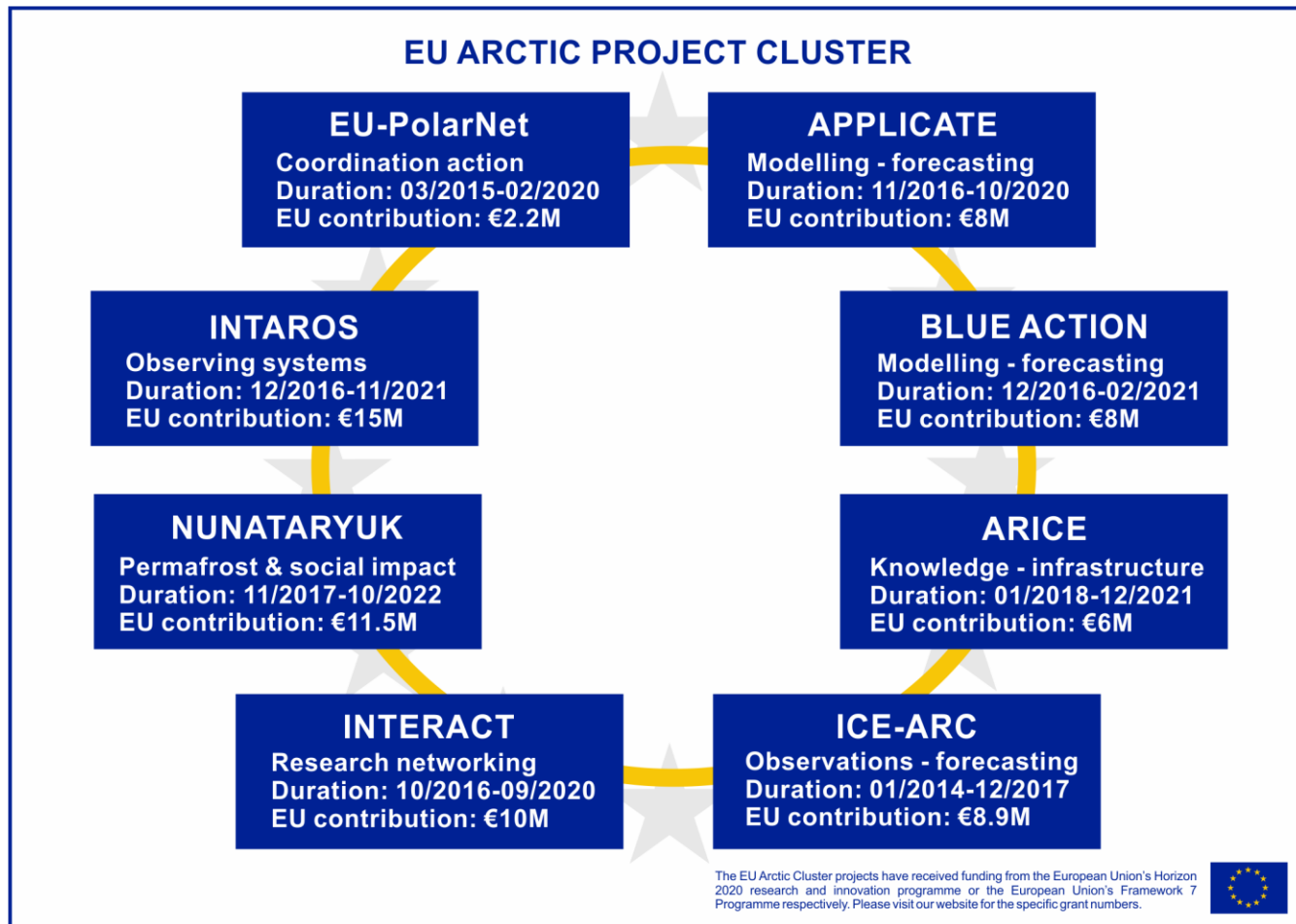


# Nunataryuk – funding

- Funded through EU Horizon 2020 Research and Innovation action
- Budget of € 11,5 Mio
- Official start November 1, 2017
- 5 year project



# Nunataryuk – EU Arctic Cluster



# Nunataryuk – Concept

- Inter-disciplinary approach combining permafrost research to modeling and socio-economics
- Three focal areas located in North America (Beaufort Sea Area), Greenland and Svalbard (Nordic Area) and Russia (East Siberia Area)
- Already established dialogue with local Arctic communities ensuring an effective two-way communication and co-designed objectives with stakeholders.

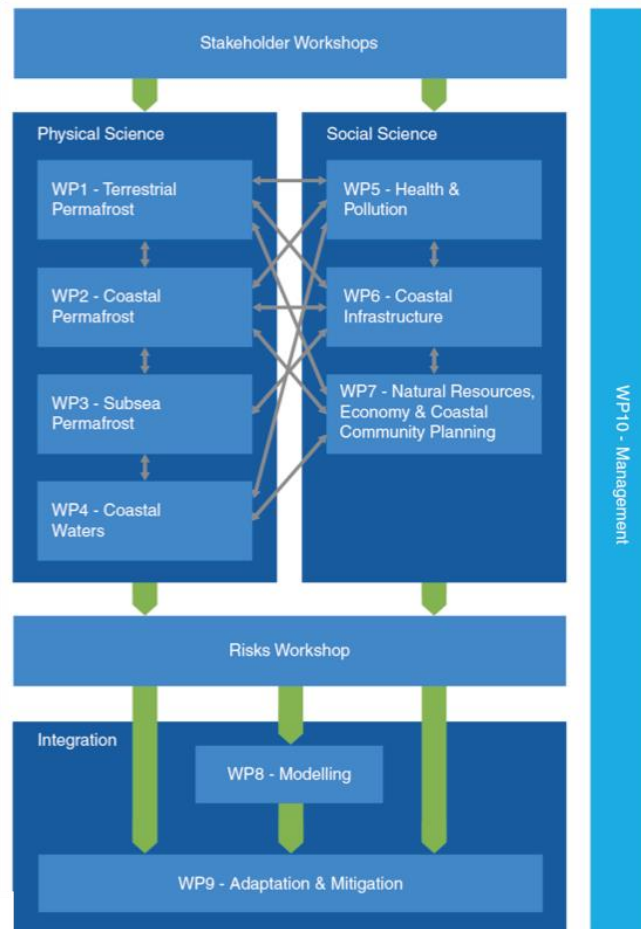




# Nunataryuk – geographical areas



# Nunataryuk – work packages



# Nunataryuk – field campaign

- Summer 2019 



# Nunataryuk – contacts

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  - Twitter
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