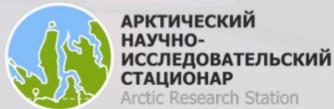
Terrestrial ecosystems: cases from Yamal







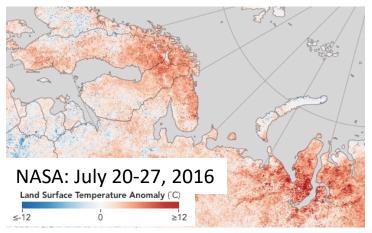
Aleksandr Sokolov

Arctic research station
Institute of plant and animal ecology
Russian academy of sciences

There are 3 major drivers of change in the Arctic:

- Climate change
- Industrial development
- Herbivory grazing





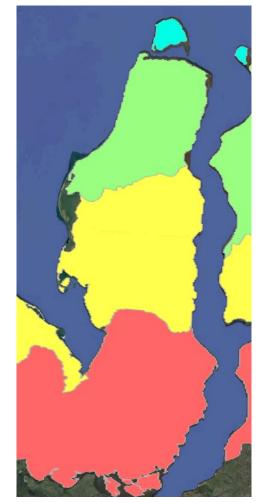




Yamal allow us to measure the influence of all three main drivers of change on arctic ecosystems in <u>different subzones</u> of tundra

Uniqueness of Yamal

- Geography
- Logistics
- Long-term data





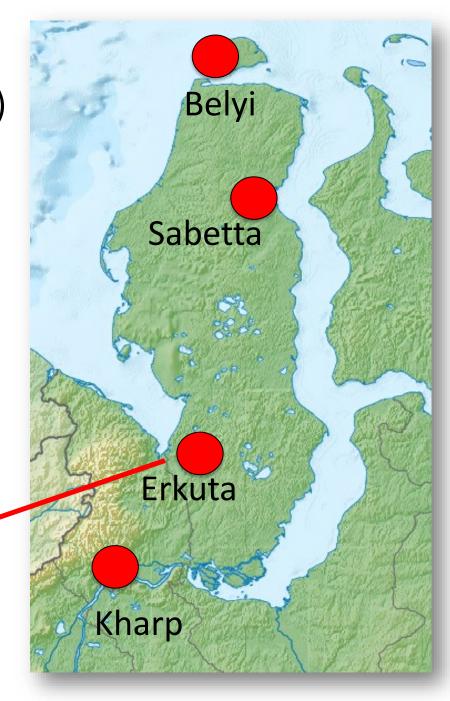




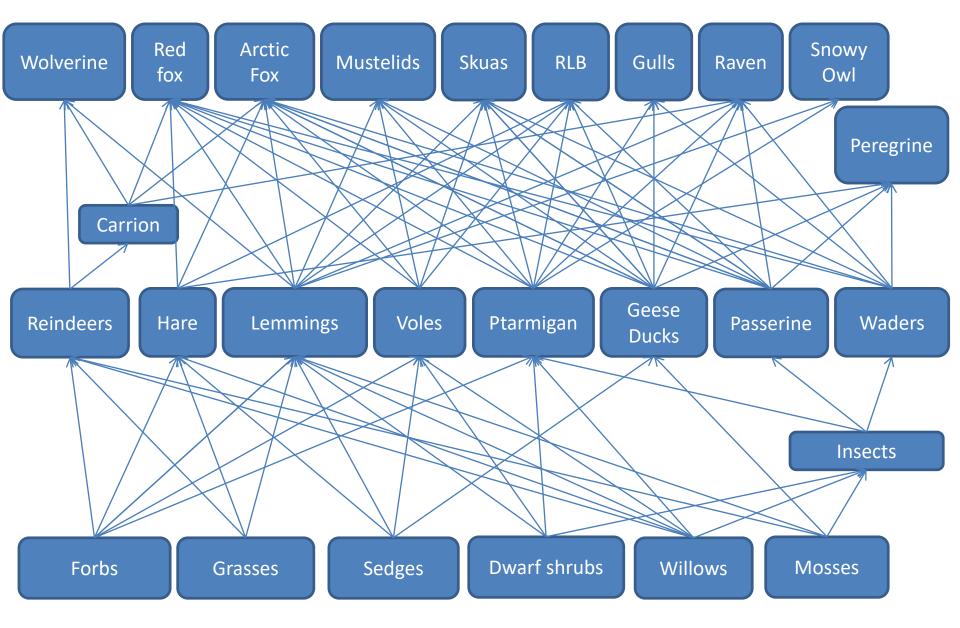
Uniqueness of Yamal: Long-term data (since 1950th)

 Biodiversity and abundance of birds, mammals, fish, plants, etc.



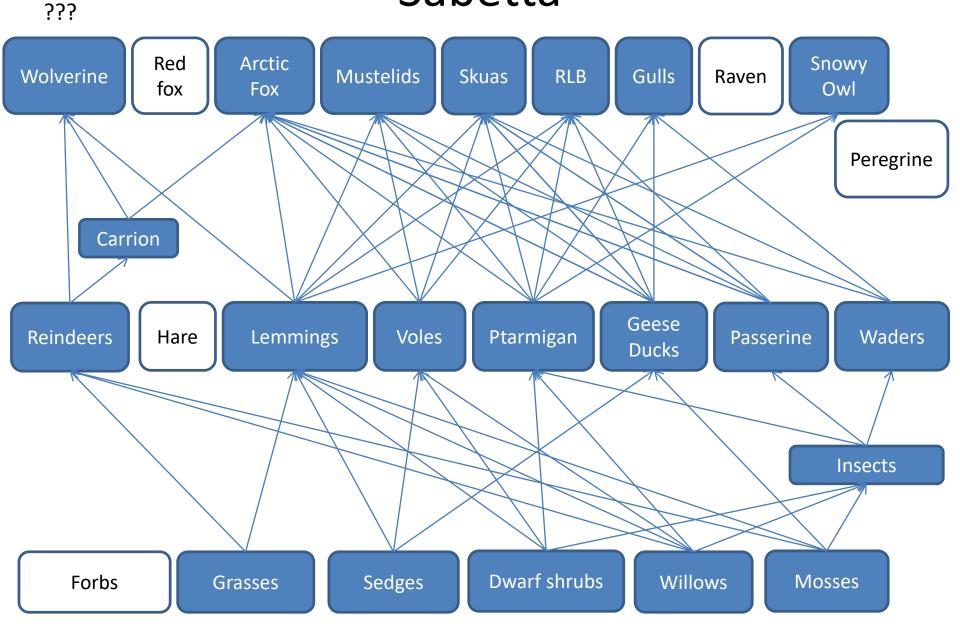


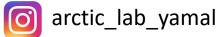
Erkuta



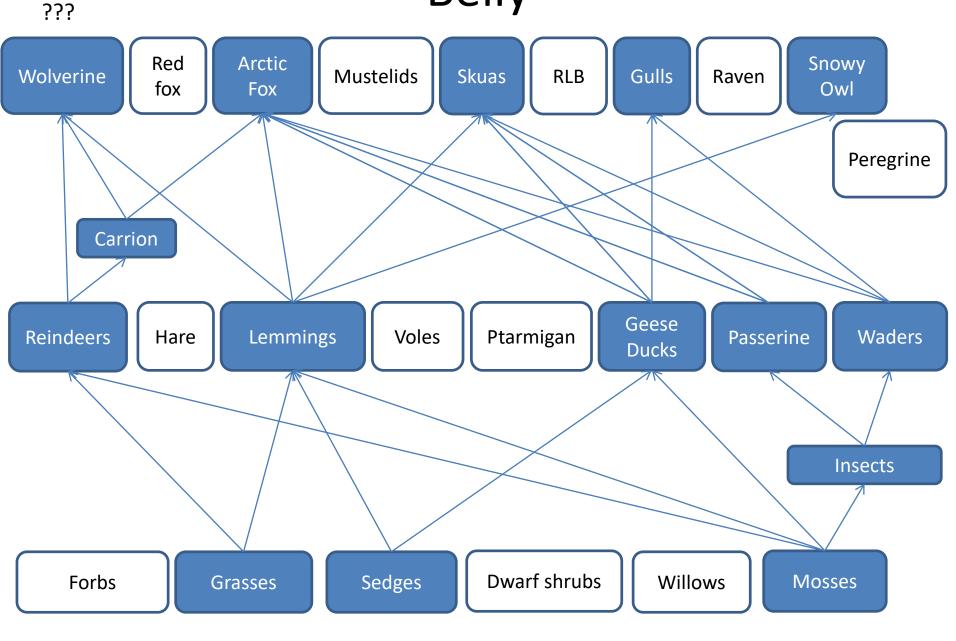
arctic_lab_yamal

Sabetta





Beliy

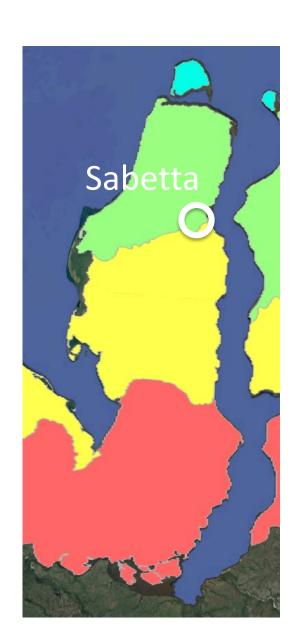


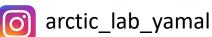
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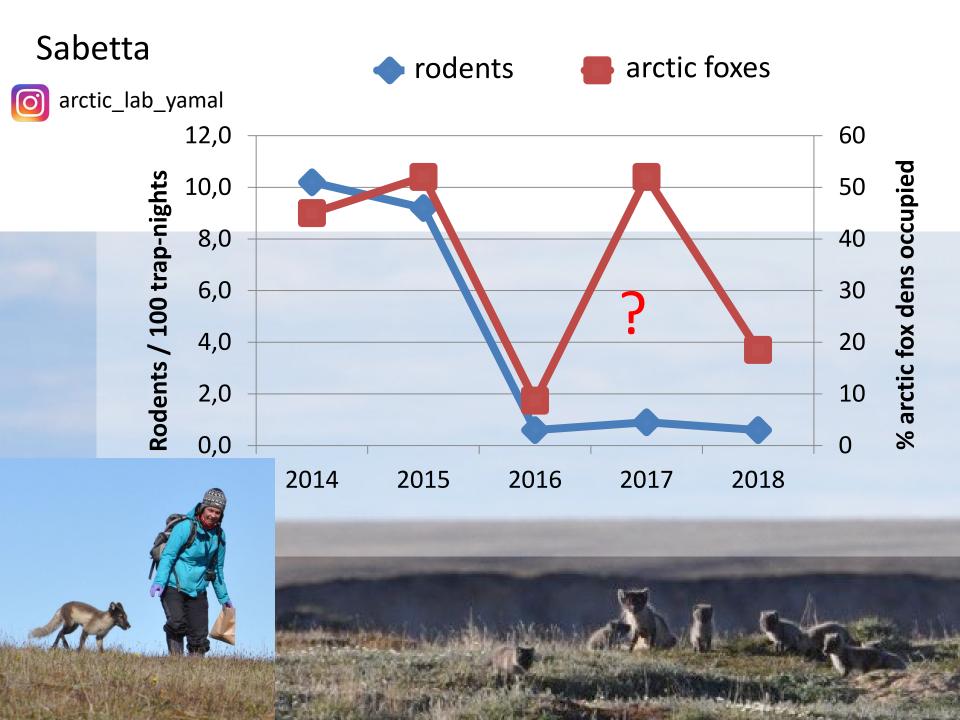
Sabetta. Yamal LNG.

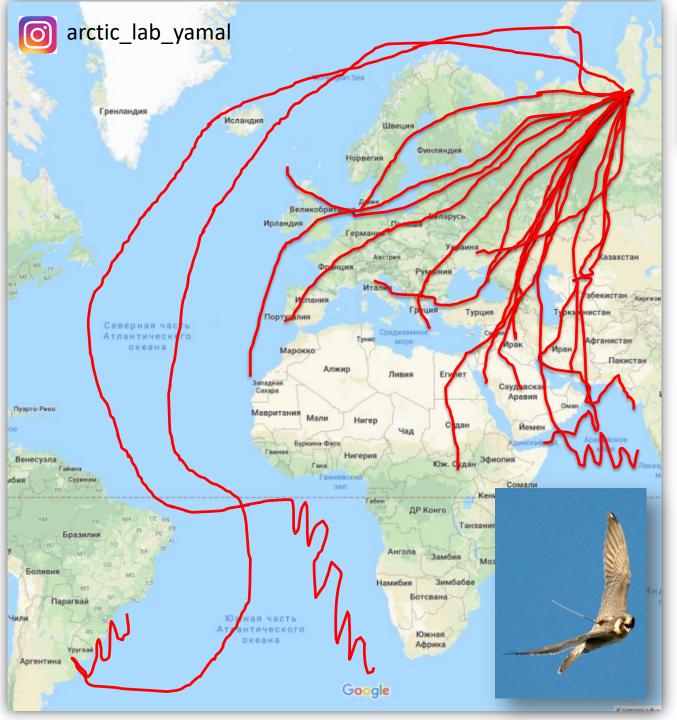
- Unique project for LNG above Polar Circle
- In peak month's up to 25-30 000 people attend

















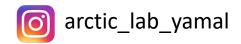






Biggest and one of the rarest falcon species in the world – the Gyrfalcon.

Usually nest on rocks or trees





Changes on species distribution:



Biggest and one of the rarest falcon species – the gyrfalcon successfully breed. First time on human construction in use! arctic_lab_yamal





Until 3 weeks ago it's believed not more than 20 walruses around whole Yamal, and far not every year



Published papers titles:

