

# Reindeer herding and climate change Reindeer herders' vulnerability network study. **EALAT-Network Study**

PhD Student Anna Degteva.  
Adaptation to the Loss of Grazing Land  
in Yamal-Nenets AO, Russia



Ассоциация «Оленеводы Мира»  
Association of World Reindeer Herders



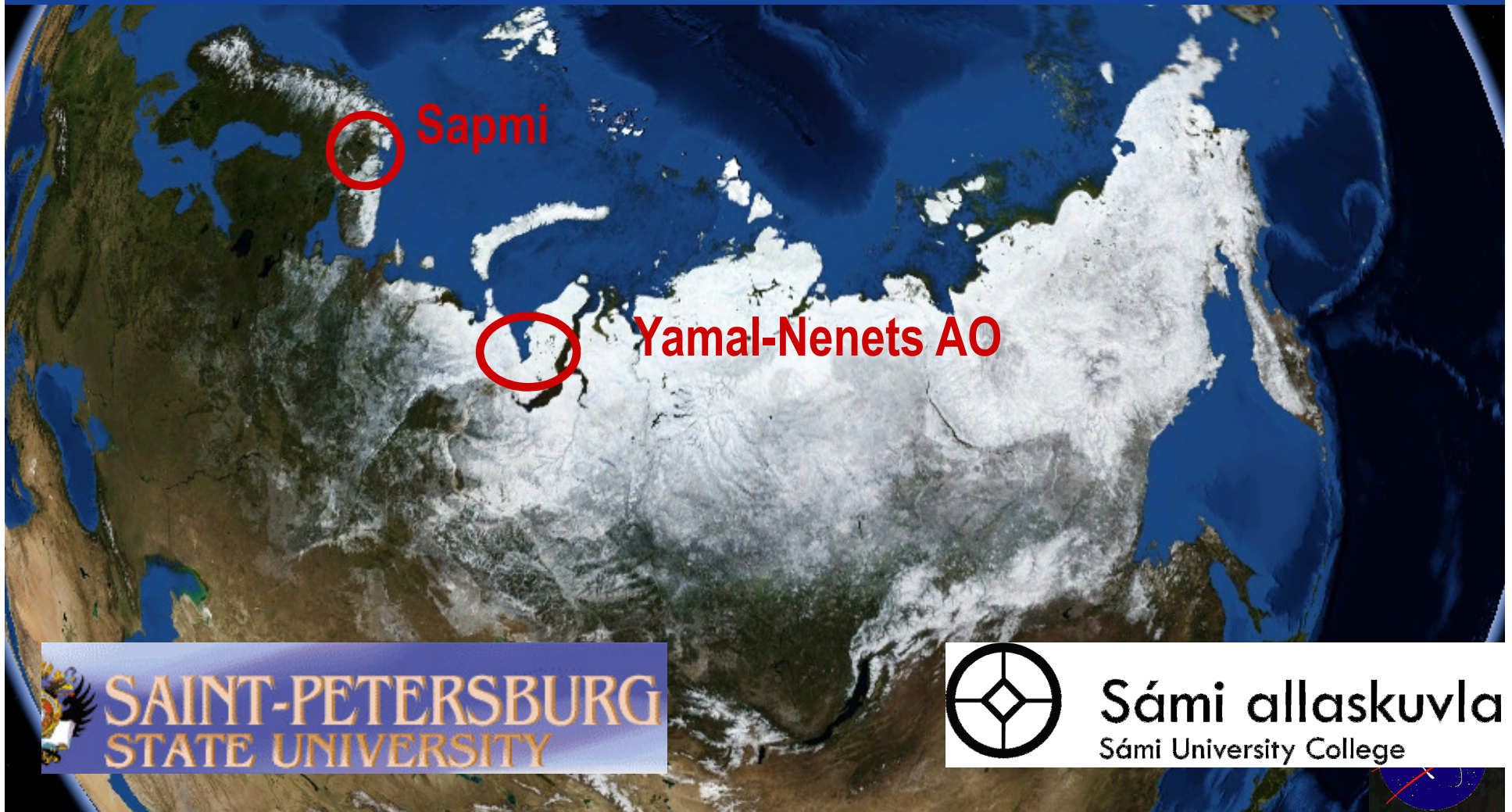
**Sámi allaskuvla**  
Sámi University College



International Centre for Reindeer Husbandry  
Международный Центр Оленеводства  
Riikkaidgaskasaš Boazodoalloguovddáš

# Indigenous Adaptation to Change in the Arctic:

The Case of Reindeer Herders and Loss of Grazing Land  
in Yamal-Nenets Autonomous Okrug



# PhD at St.Petersburg State University



- Title:

Indigenous Adaptation to Change in the Arctic: The Case of Reindeer Herders and Loss of Grazing Land in Yamal-Nenets Autonomous Okrug

# 2008 Yamal Fieldwork:

- 11 weeks duration
- Migration with Brigade 4 of *Yarsalinskoe* reindeer herding enterprise
- Interviews with authorities and enterprise leadership in the settlement of Yar-Sale

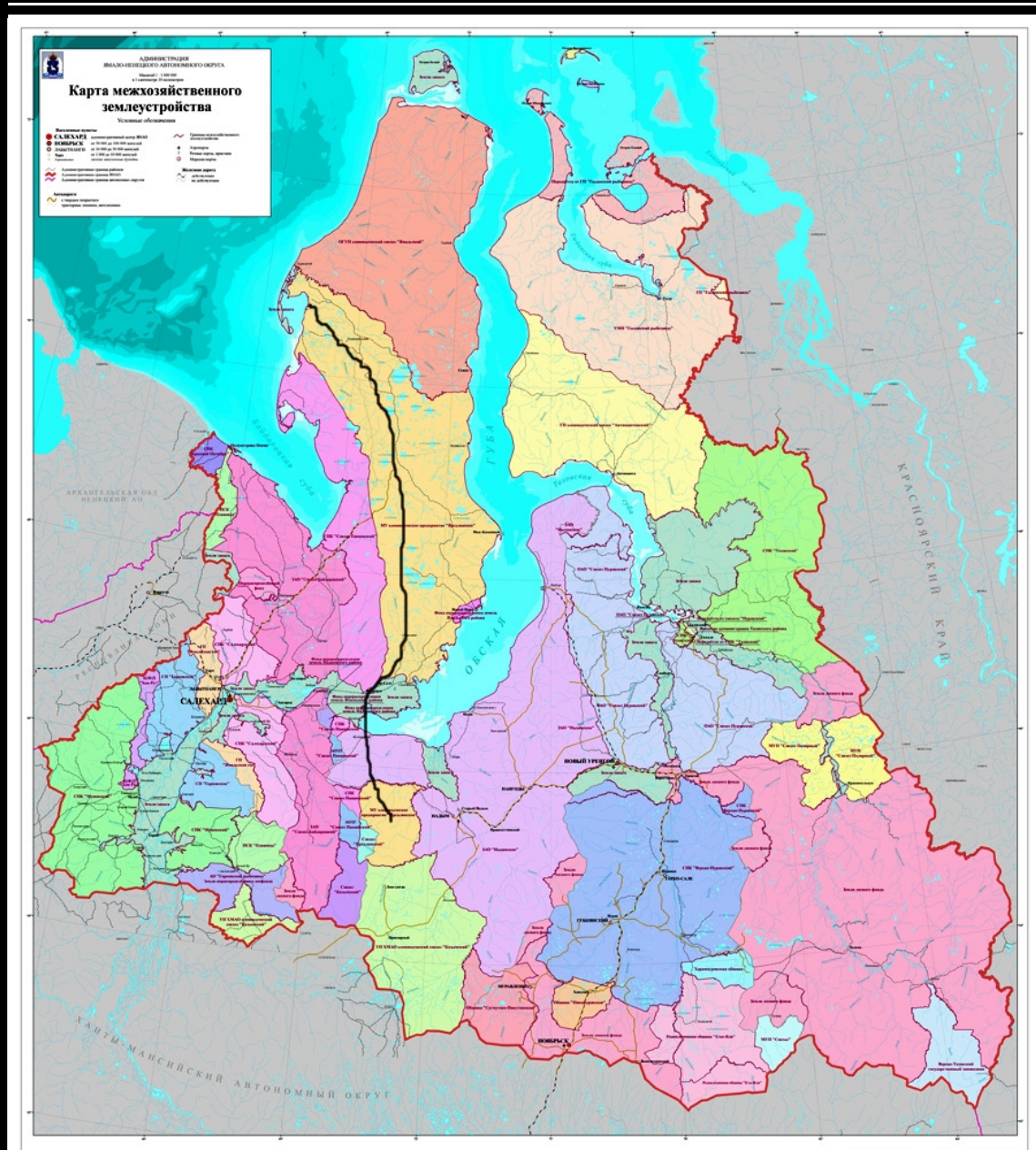


# Brigade No.4

- 10 reindeer herders
- The total herd of 4000: private and enterprise reindeer are mixed
- Migration route – up to 1000 km



# Yamal-Nenets Autonomous Okrug





# Traditional occupations – remain their role



# Industrial development perceived by herders as a main constraint

- since a cause of direct land allocation
- pasture quality contamination
- constrain from free migration



- Pasture quality contamination



- restrictions from free migration



Will private herders and Brigades no.4 and no.8 be allowed to go through the Bovanenkovо gas field?

# Methods

## Analysis of

- botanical maps
- satellite NASA images
- ! Map making:  
reindeer herders draw on  
maps what land they  
have lost, why, and what  
value those pastures had



- Discuss  
adaptation  
strategies