



KN09 Herbivory in the Arctic – understanding large-scale patterns and processes of a key ecological interaction

2nd Arctic Biodiversity Congress
October 9, 2018
Rovaniemi, Finland



the Herbivory Network

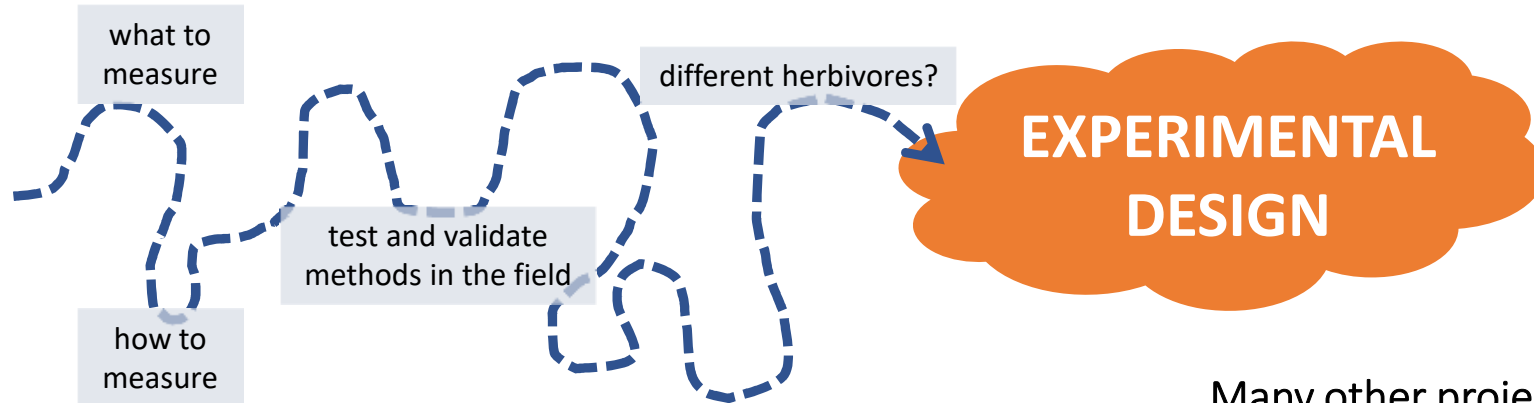


Priorities of HN

- 1.- facilitate **communication** among researchers
- 2.- to **integrate** sites, methodologies, and metrics to study herbivory in the tundra
- 3.- to develop a set of common **protocols**
- 4.- to design long-term coordinated **experiments** and large-scale observational studies

HERBIVORY NETWORK

STUDYING HERBIVORY IN ARCTIC AND ALPINE ECOSYSTEMS



Many other projects

Development of **standardized protocols**



ITEX herbivory protocol



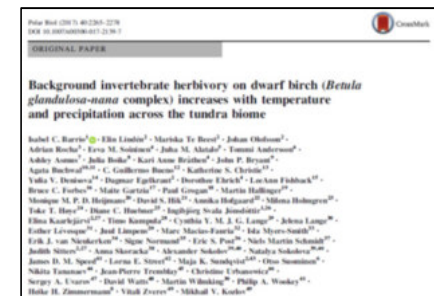
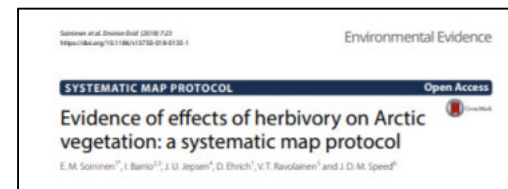
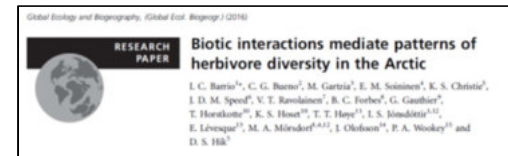
Invertebrate herbivory protocol



Soil protocol



Vertebrate herbivory protocol





KN09 Herbivory in the Arctic – understanding large-scale patterns and processes of a key ecological interaction

- Eeva Soininen, Arctic University of Norway: Biome-wide patterns and drivers of Arctic herbivores functional and phylogenetic diversity
- Isabel C Barrio, Agricultural University of Iceland: Establishing baselines for future monitoring of invertebrate herbivory in the Arctic
- Elin Lindén, Umeå University: Antiherbivore defences on birch across the Arctic
- Virve Ravolainen, Norwegian Polar Institute: Drivers of vegetation change in the High Arctic
- Katarina Inga, Arctic University of Norway: It takes two to make plants produce defences: Tundra herbivores create heterogeneous landscapes in palatability