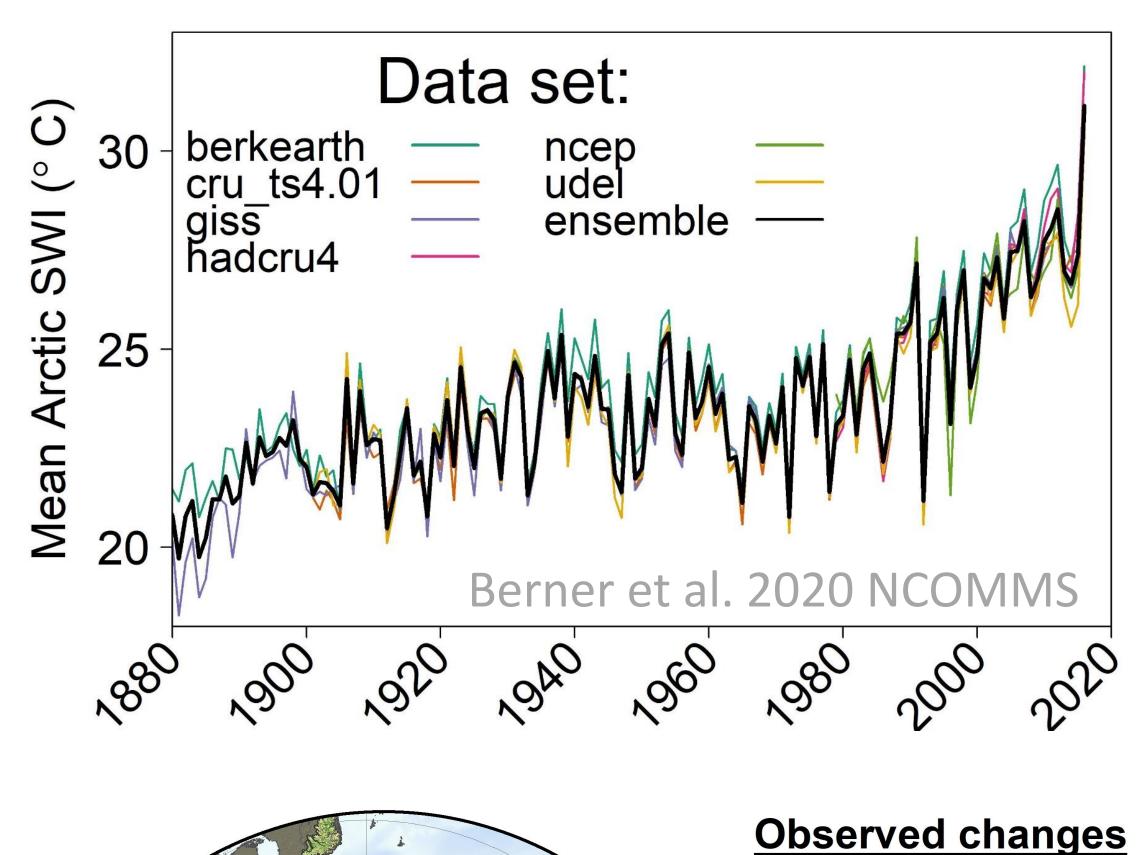
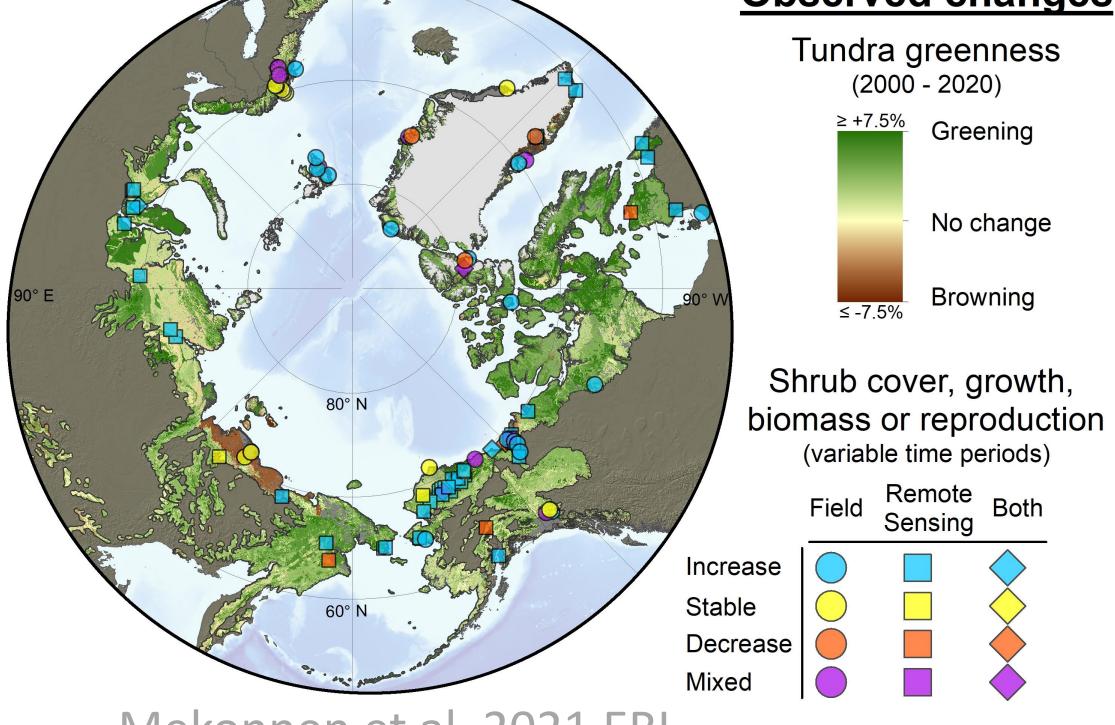
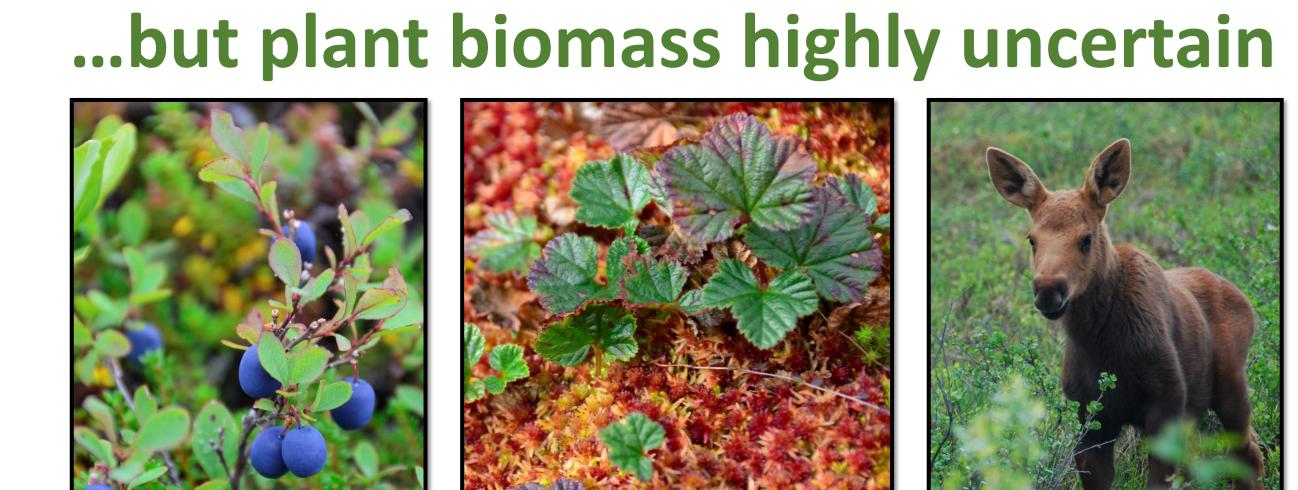


The Arctic is rapidly becoming warmer, shrubbier, and greener





Mekonnen et al. 2021 ERL



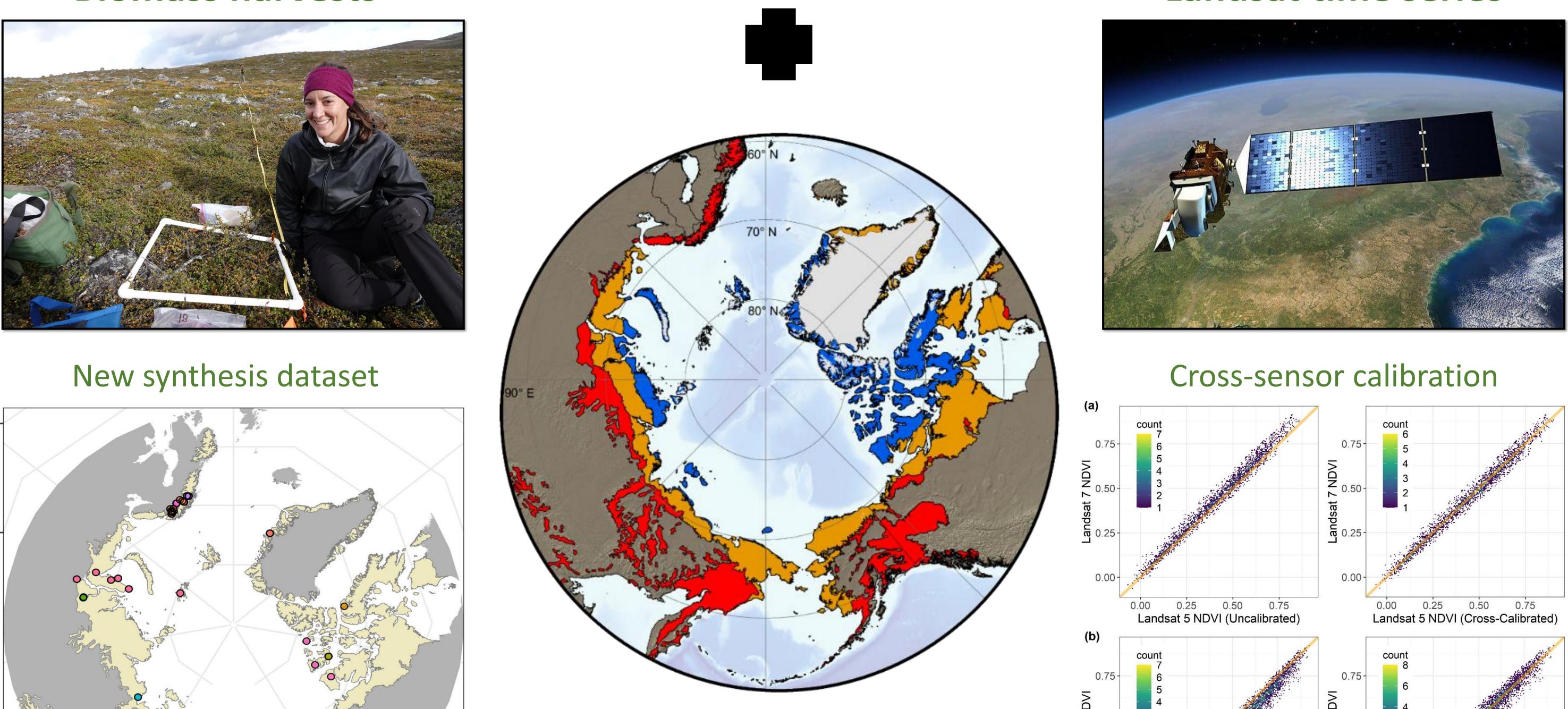
NASA New Investigator Program Award # 80NSSC21K1364

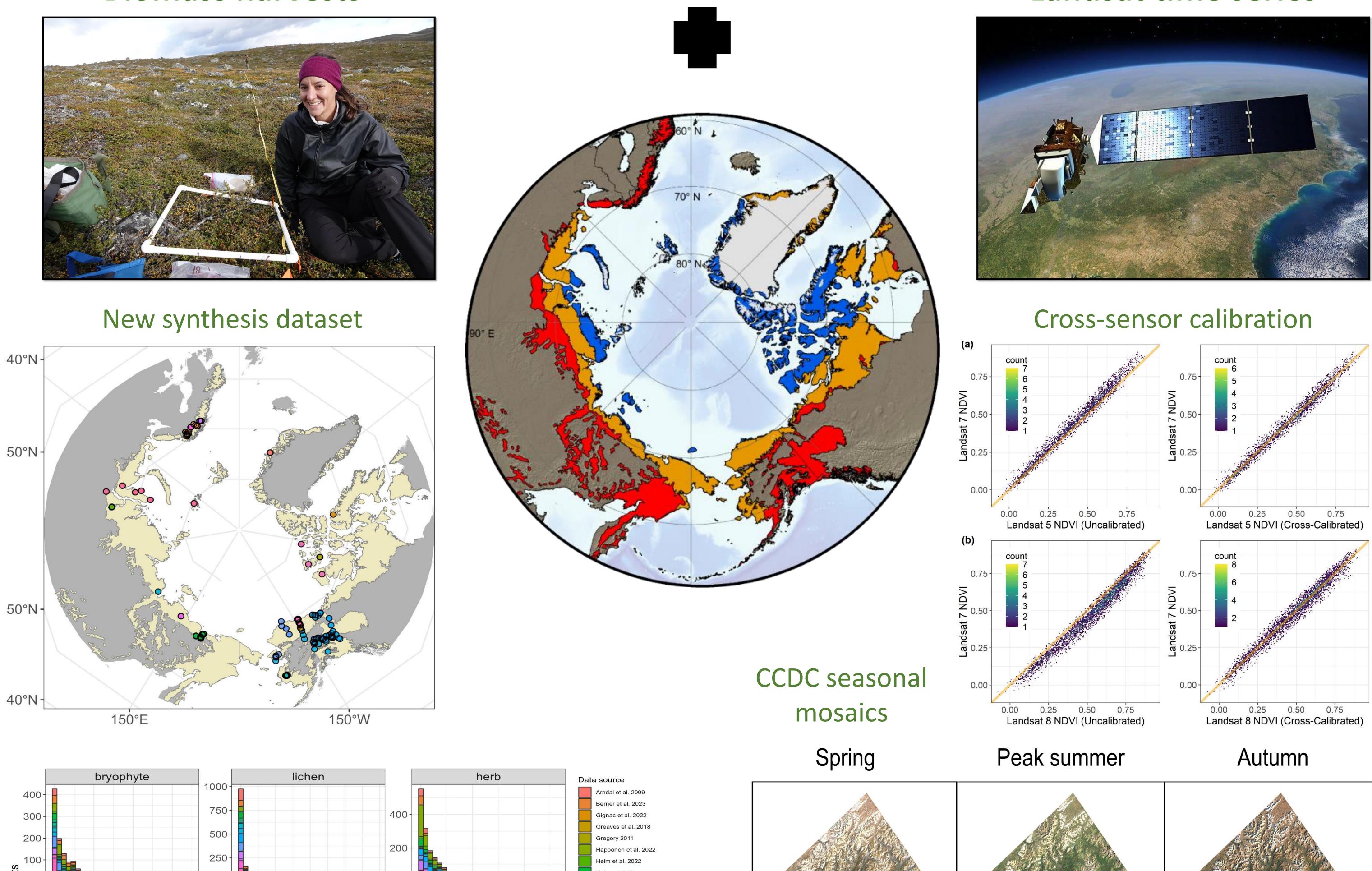
Mapping plant biomass distribution and change across the rapidly warming Arctic tundra biome

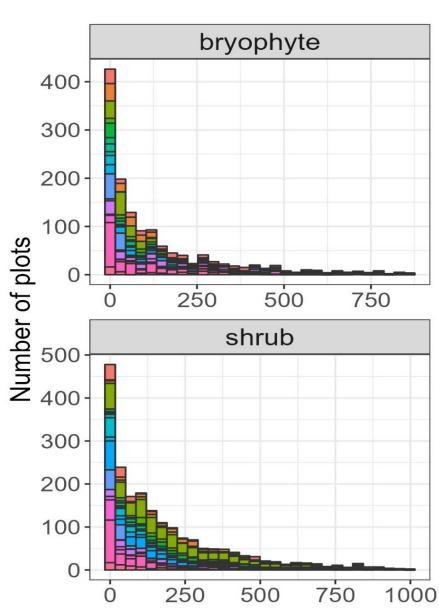
Logan Berner¹, Kathleen Orndahl¹, Pat Burns¹, Matt Macander², Scott Goetz¹, and many data contributors 1. Northern Arizona University, 2. Alaska Biological Research Inc.

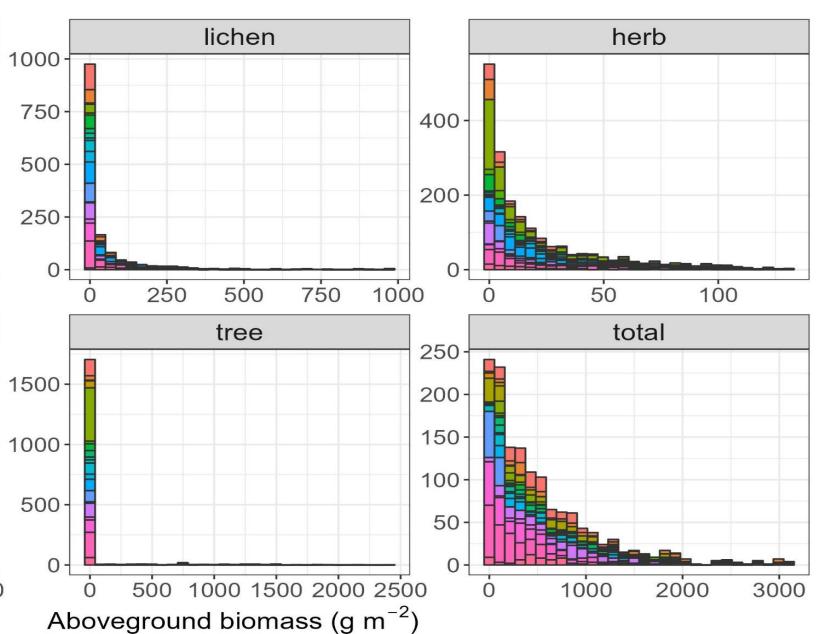
Goal: Model plant and shrub biomass across the Arctic for 2000 and 2020

Biomass harvests



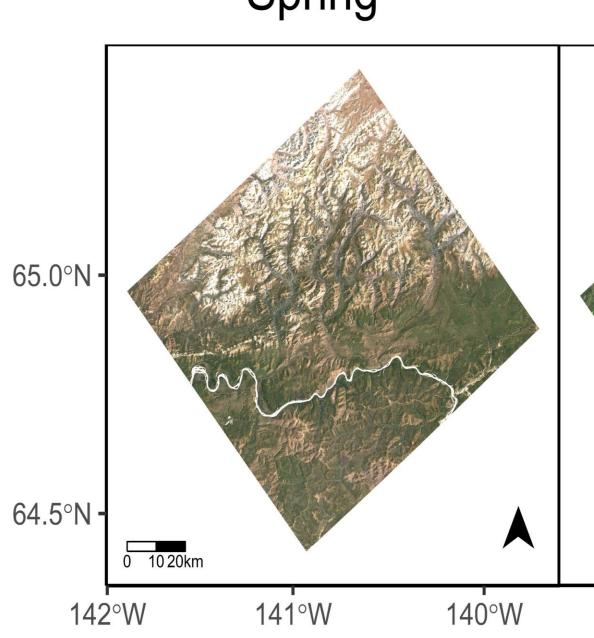






Contact: Logan.Berner@nau.edu

Holmes 2015 Hung et al. 2022 oranty and Natali Unpub. Ludwig et al. 2018 Mikola et al. 2018 Natali et al. 2014 Orndahl 2022 Raynolds 2018 Salmon et al. 2019 Siewert and Olofsson 2020 Siewert et al. 2015 Villoslada et al. Unpub. Walker et al. 2011 Walker et al. 2012





Landsat time series

NASA Joint Science Workshop May 9th, 2023