ABoVE Geospatial Products WG:
ABoVE standard projection and grid

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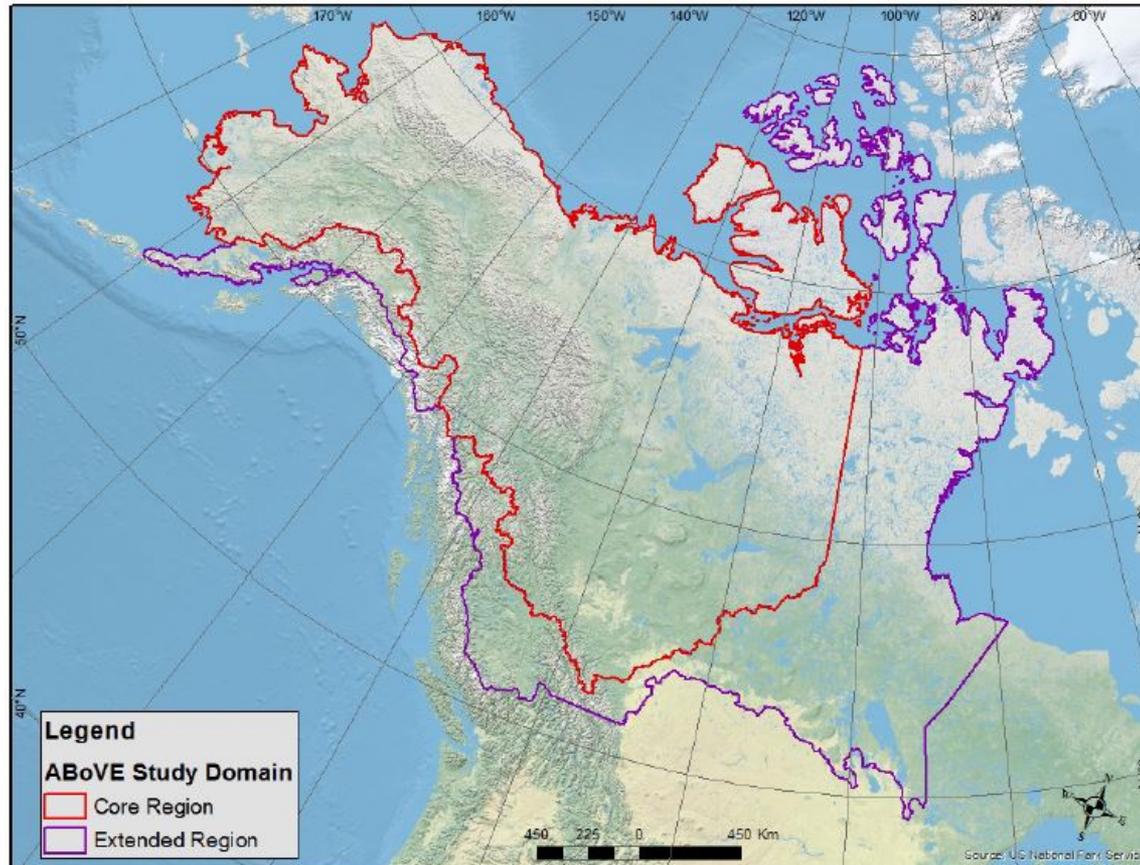above.nasa.gov @NASA_ABoVE

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Justification

- A standard grid and projection will:
  - Facilitate data interoperability
  - Reduce time for individual investigations (less duplication of effort to reproject datasets for analysis)
  - Allow data creators to align and subdivide data products
  - Ease of data archive
- See our full justification in our WG Folder

This is a draft only, our working group has not yet met. Please pass your comments on to one of our WG members.

ARCTIC BOREAL VULNERABILITY EXPERIMENT

Proposed ABoVE Projection
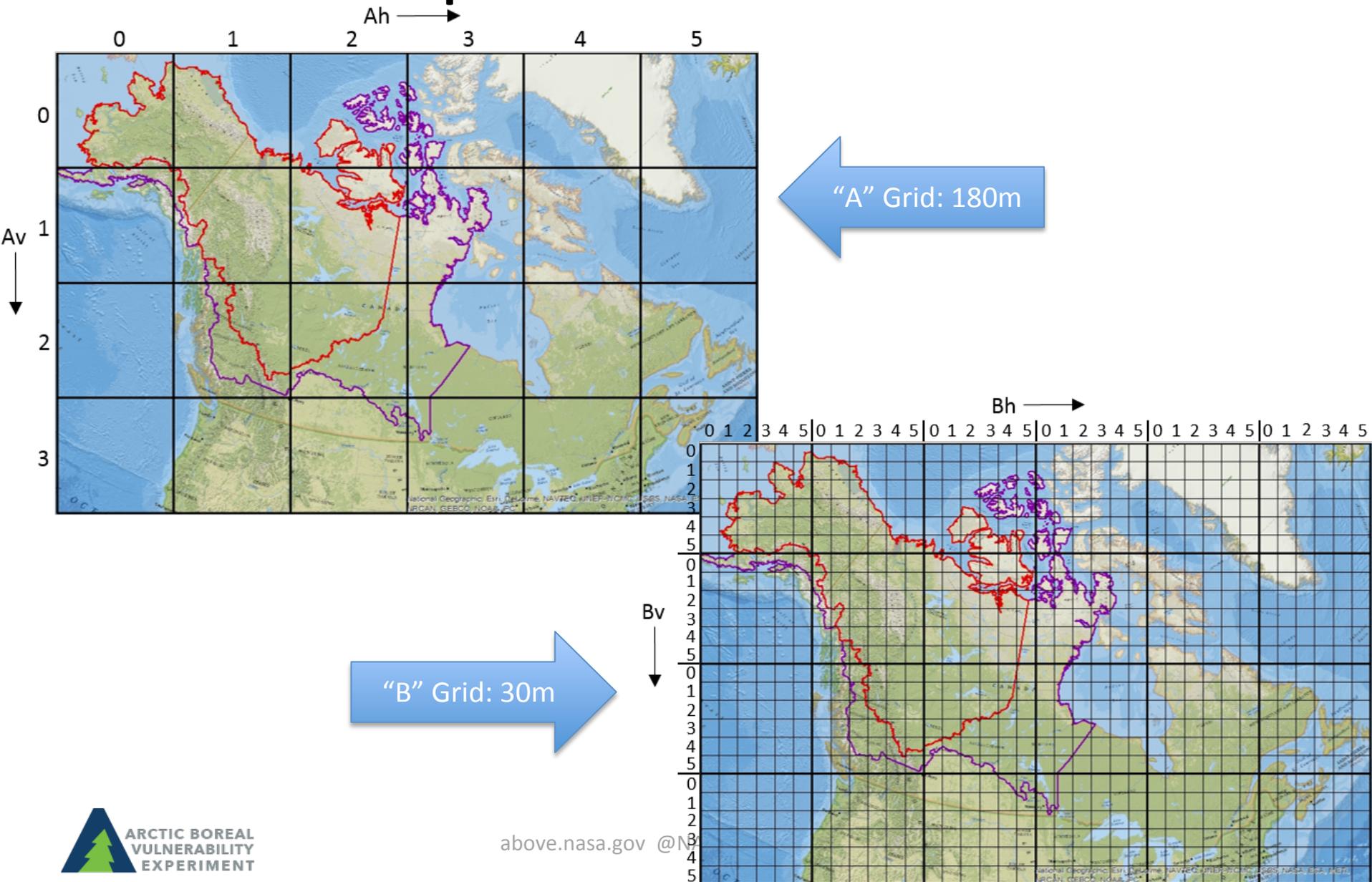
Canada Albers Equal Area Conic Projection:

- Equal area projection for data fidelity
- Single projection to cover the entire study region

Proposed ABoVE Grid

- Grid for raster products over the study domain

- Products could range from fine (1-5m) to coarse (250m)

- 30m is a central spatial resolution

- Nested pair of grids provided at scales of 180 and 30 meter spatial resolution

  - Products from Landsat and MODIS would be compatible

  - Scalable for products of 30, 60, 90 meters etc.,

ARCTIC BOREAL
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Proposed ABoVE Grid

"A" Grid: 180m

"B" Grid: 30m

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Reference Grid Naming Convention

- Modeled after the MODIS grid

- H: horizontal, V: vertical

- A: 180m grid, B: 30m grid

- Purple tile is Ah0v0.Bh2v3