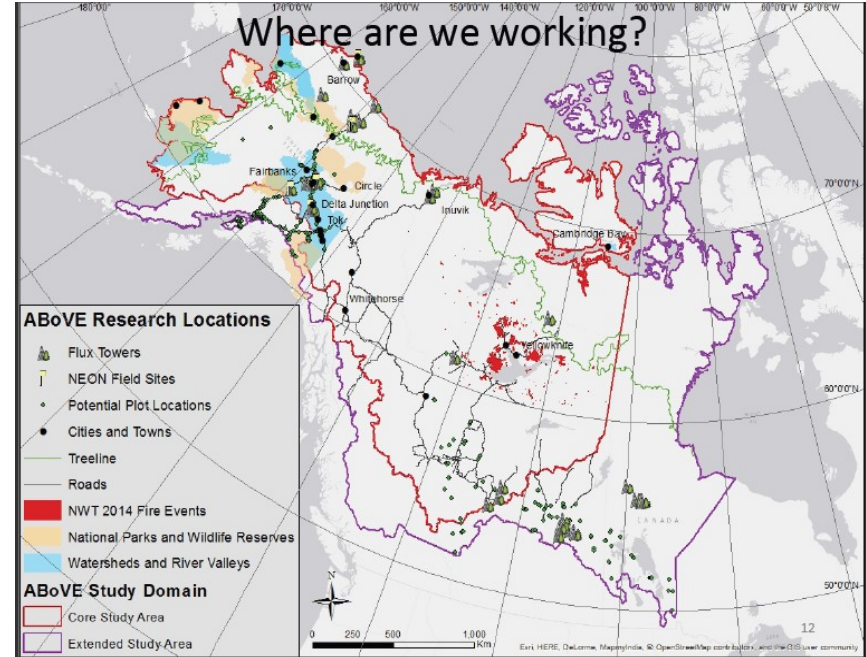


# Carbon BGC / Permafrost / Hydrology

- Produce common, interactive map (KML) of planned site locations to facilitate group coordination on protocol/sampling
- Create online communication tool (Wiki) to facilitate coordination of sampling/logistics across projects
- ID broader impact of data collected (who, what & why) to the larger project (e.g. scaling, RS cal/val, models)
- Promote common measurement protocols/standards; utilize existing best practices (e.g. CEOS-LPV, RCN); projections/datum/format (Albers EA; NAD83?); guidelines for metadata, QA/QC; working group recommendations
- Need for *data working group*?
  - Compile common set of critical datasets from existing archives (e.g. LTER; NSF; DOE; NOAA)
  - Strategies for data sharing & working across data communities (Fluxnet, etc.).
  - ID data gaps (e.g. under-sampled seasons/regions/hot spots)
  - Common projection, metadata & formats



- Adopt a stratified tower EC design
  - Recognized need to sustain long-term tower obs., BUT augment with portable/temp. towers & distributed Obs. networks for enhanced spatial/temporal sampling of hot spots & under represented areas
- Identify sampling strategies best suited for up-scaling airborne and model cal/val. E.g. additional EC tower sites; tall towers. (Potential working group activity?)
- Need to document data uncertainties
- Potential airborne remote sensing needs
  - Snow properties (cross-disc. linkages; LiDAR/optical-IR/micro.)
  - Greening/browning (SIF/surface water/hyperspec.)
  - Active layer properties (dual freq. SAR)
  - Value of continuing airborne obs.(inter-annual variability, trends)
- Next steps? Working group forum at next science meeting?