BIOGEOCLIMATIC FRAMEWORK FOR CBVM PROJECT

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MAIN TOPICS TO BE DISCUSSED

- BioGeoclimatic framework - the need of a *worldwide consensus*

- The *Boreal* macrobioclimate in the northern and southern hemisphere

- *Polar* and *Boreal* macrobioclimate areas: the *arctoboreal* territory in the northern hemisphere

- *Boreal* bioclimatic delimitation and coverage
**Macrobioclimates** (Rivas-Martínez - 2009 - *Global Bioclimatics*)

* **Polar**: 51° to 90° N and 53° to 90° S  
  Tp < 380  (100 m)

* **Boreal**: 43° to 71° N and 51° to 56° S  
  - Hyperoceanic (Ic ≤ 11)  
  - Oceanic (Ic 11-21)  
  - Subcontinental (Ic 21-28)  
  - Eucontinental (Ic 28-46)  
  - Hypercontinental (Ic > 46)
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Canadian Land Cover Map
created by the
Canadian Model Forest Project

Scale
1000 km
100 km

Boreal - Mainly Forest
Boreal - Forest & Grassland
Boreal - Forest & Barren
Great Lakes - St. Lawrence
Deciduous
Acadian
Grassland
Tundra
Subalpine
Montane
Coastal
Columbian

BOREAS Study Region
Southern Study Area
Northern Study Area
Manitoba
Saskatchewan
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BOREAL BIOCLIMATE - VEGETATION RELATIONSHIPS (POTENTIAL NATURAL VEGETATION)

- The phytosociological approach is the more useful tool for mapping purposes in broad territories (v.g. alliances)

- Complete experience and bibliographical coverage of the arctoboreal territories in the northern hemisphere in order to make a preliminary checklist of units to be mapped

* North America: Alaska (USA), Canada
* Europe: *Vegetation Map of Europe*
* Eurasia, Siberia
* East Asia

Pinion banksianae Lavoie 1968