

# RBGE Alpine Research

- Translocations of rare species
- Lichen and bryophyte inventory, species discovery and phylogeography
- Montane heathland monitoring
- Snowbed bryophyte training (with SNH)



# Plant translocation and conservation

Woolly willows

*Woodsia ilvensis* population genetics

*Cicerbita* conservation

- Monitoring of all existing populations,
- Population genetic analysis
- Extracting rootstock under licence for plant propagation
- Outplanting of cultivated plants for population expansion



# Species discovery and taxonomy

*Bellemeria alpina*

- Snowbed lichen barcoding, species discovery, phylogeography
- Taxonomy and phylogeography of *Stereocaulon*, *Ameliella*, *Rhizocarpon*
- Phylogeny and taxonomy of *Andreaea* (with David Bell, PhD student).
- Circumscription, phylogeny and taxonomy of the putative Scottish endemic *Bryum dixonii* (with David Bell, PhD student).

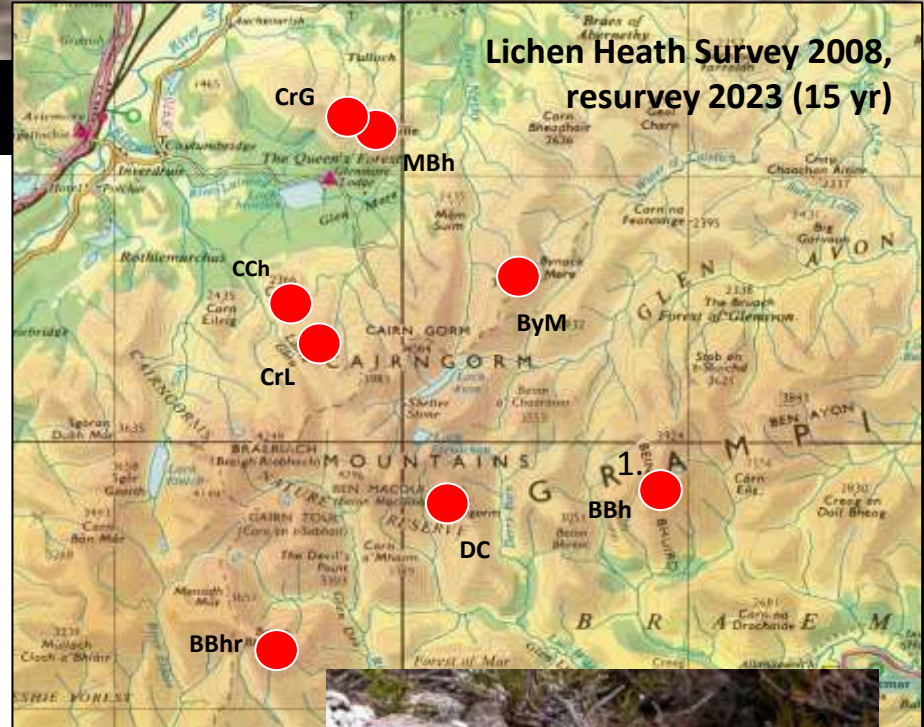
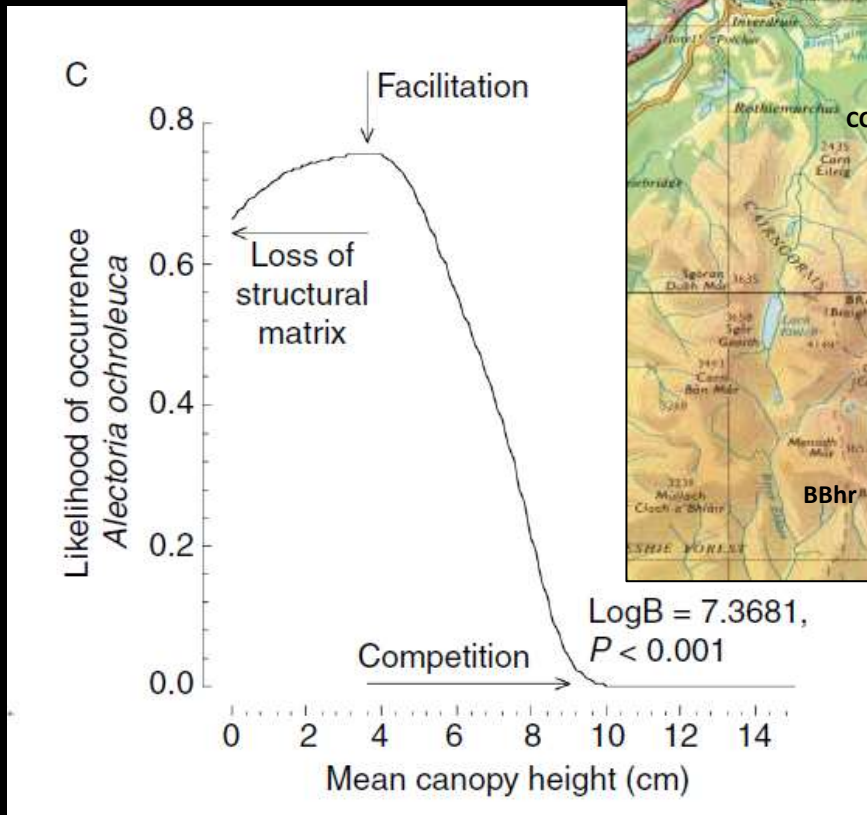
*Bryum dixonii*,  
Ben Narnain in the  
Southern Highlands



Royal  
Botanic Garden  
Edinburgh



# Monitoring vegetation change



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- Lichen and bryophyte inventory and species discovery and phylogeography
- Montane heathland monitoring, lichens and vascular plants
- Translocations of rare species (willows and *Cicerbita*)
  - Snowbed training for bryophytes

