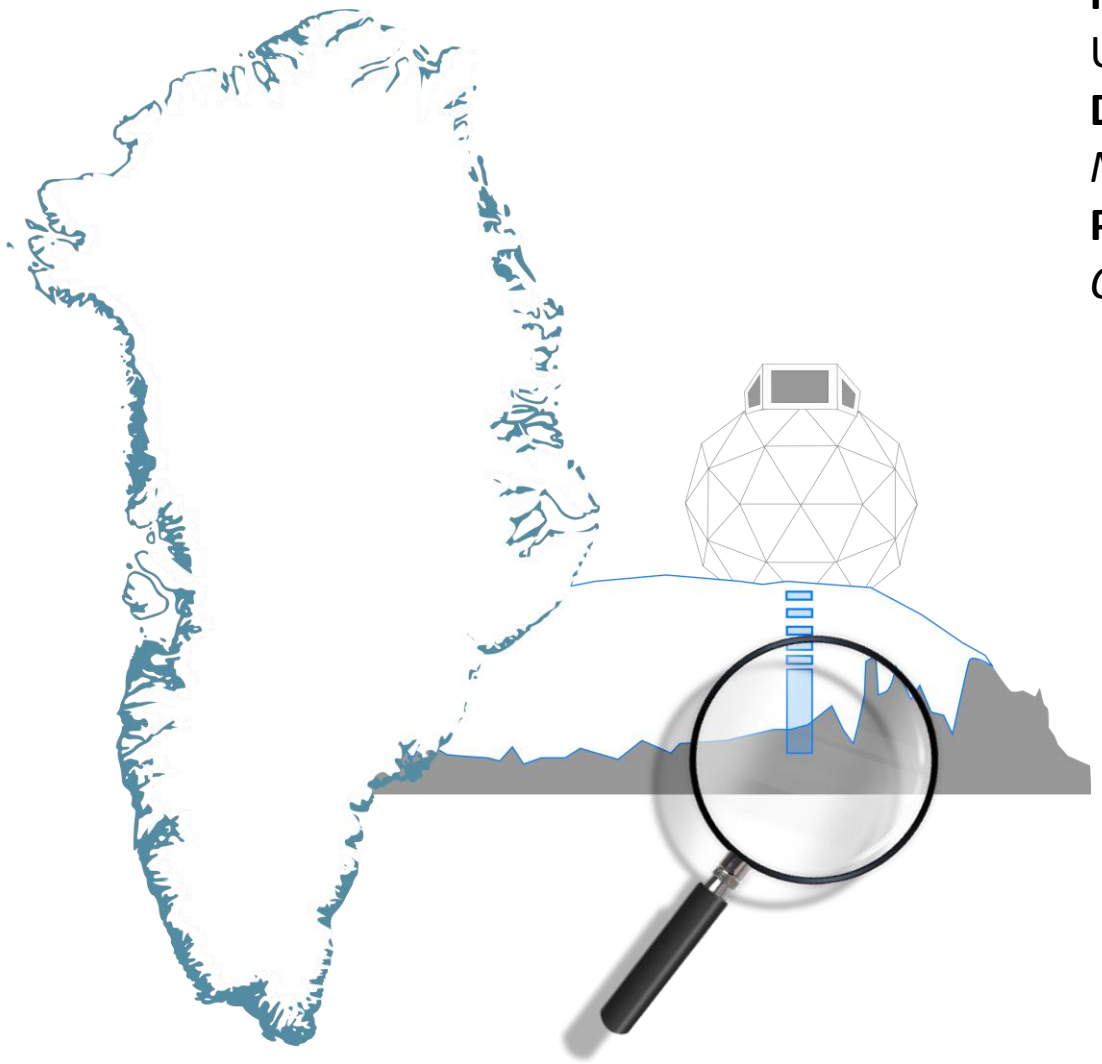
When was Greenland « green » - Perspective from basal ice and sediments



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European Research Council
Established by the European Commission

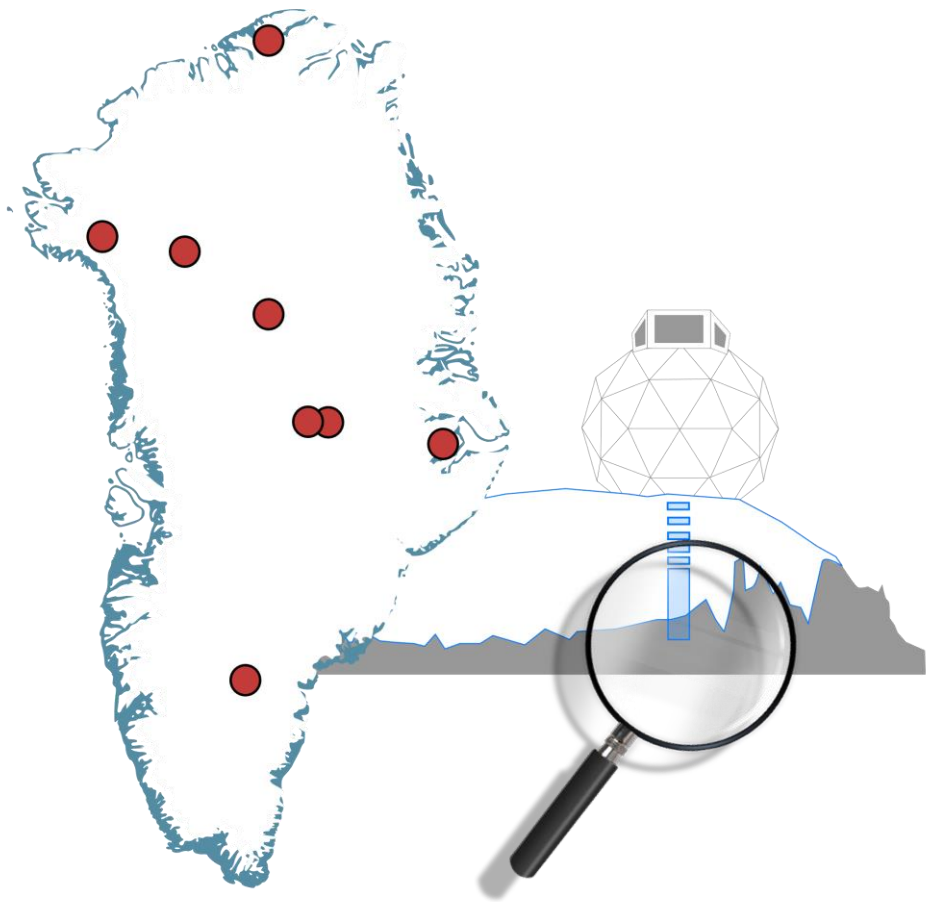
When was Greenland « green » – Major questions

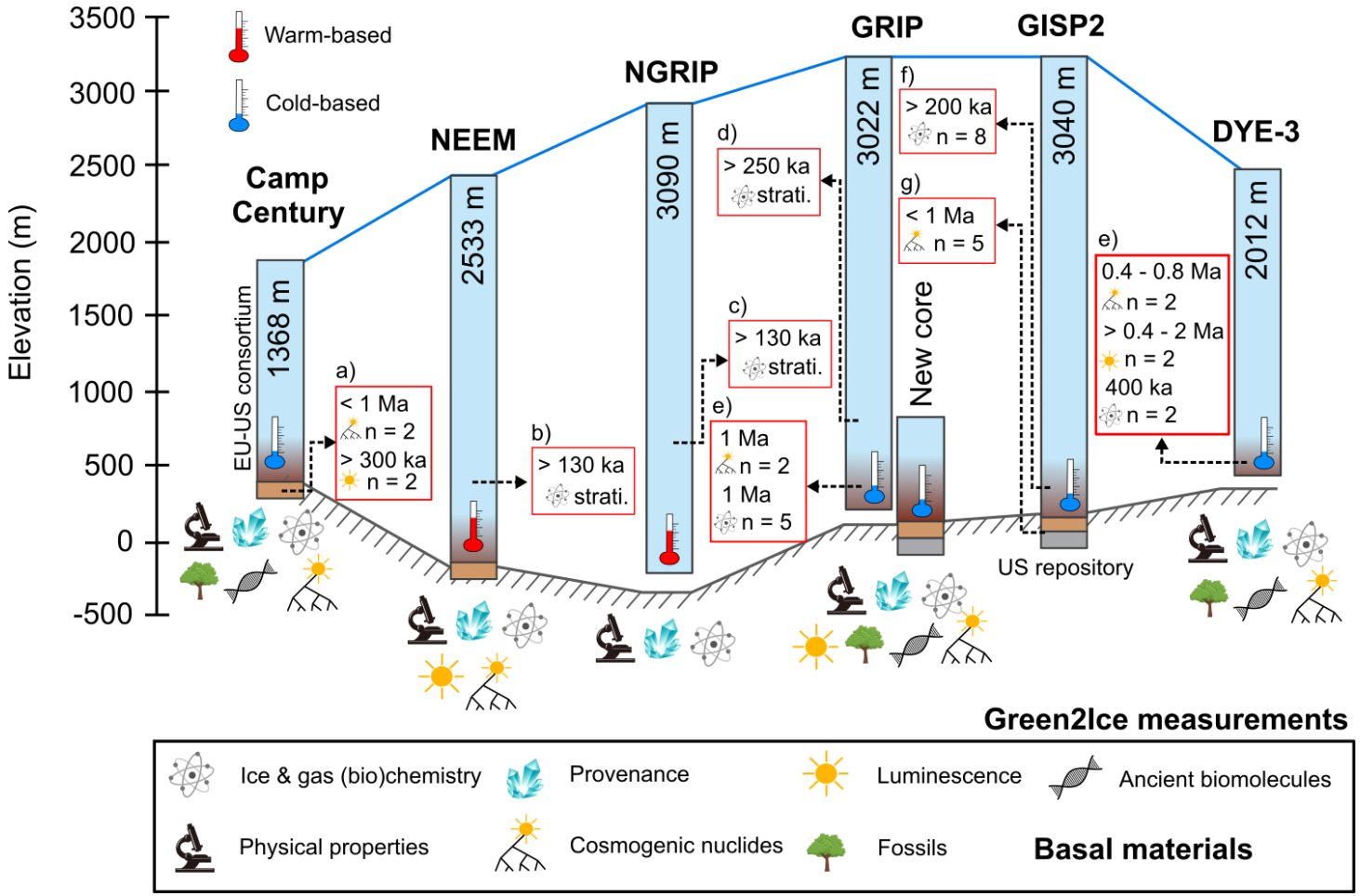
- **How old is the Greenland Ice Sheet? When was the last major retreats or total collapse?**

  To gain insights into the sensitivity of the Greenland Ice Sheet to climate change

- Can we unfold the stratigraphy in disturbed deep ice and link to Antarctic Ice cores?
- What types of ecosystems emerge and adapt to ice-free conditions?
- What can we learn on subglacial biogeochemistry?

When was Greenland « green » – Materials





When was Greenland « green » – Synergy

Combine expertise in:

- Ice-core drilling (UCPH)
- Basal ice and subglacial environment (ULB)
- Paleoclimatic reconstruction (all)
- Geochemistry (CRPG, ULB)
- Geochronology (CRPG, UCPH)
- Ice sheet dynamics and modelling (UCPH)