









The heart of the project

A new primary forest map

 \rightarrow 348 primary forests scattered across Sweden

→ forest pair = primary + surrounding secondary forest



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A new primary forest map

Exclusions made

- → non-forested pixels
- → young stands or recent clear-cuts
- \rightarrow forest on wetlands
- → 'non-productive' forest land
- → areas affected by the 2018 fires

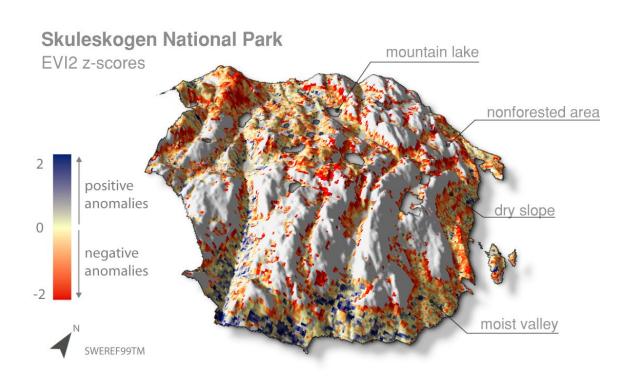
Secondary forests, additional exclusion:

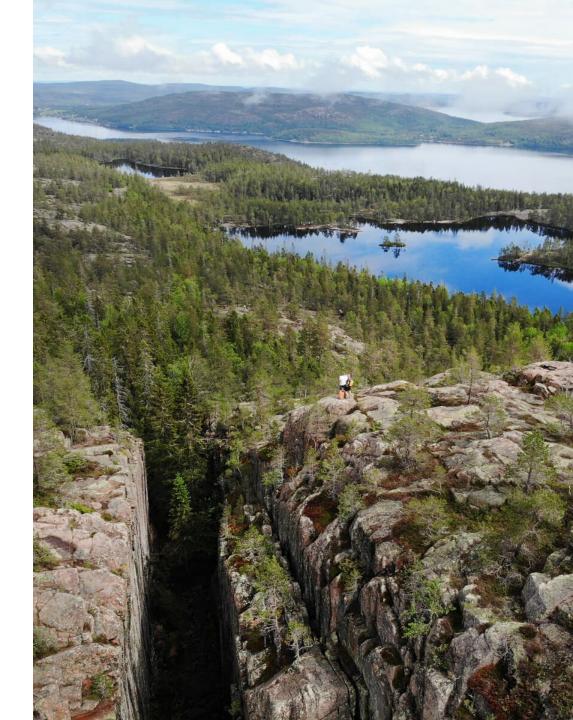
→ areas with conservation value



Landsat EVI2 z-scores

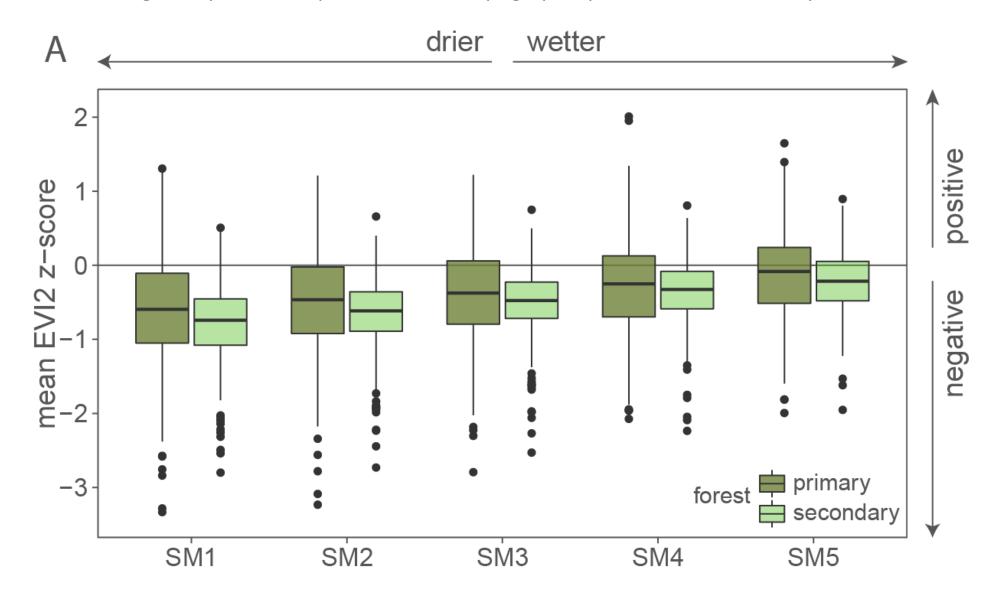
- → drought period = 2018 July-Sept median
- \rightarrow baseline reference = 2008-2017
- → division into **five topographical soil moisture classes**
- → per-forest mean





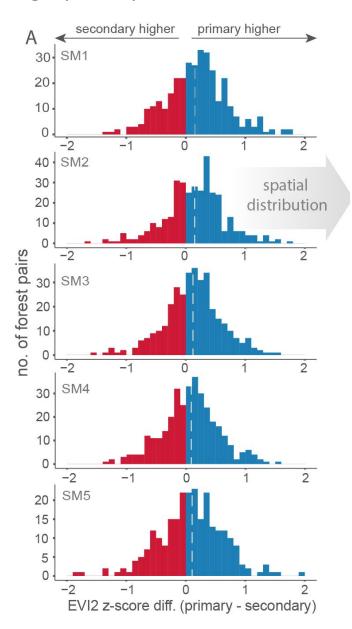
Results: topography effects

→ a forest's drought response is dependent on its topographic position in the landscape



Results: primary and secondary forest pairs

→ on average, primary forests showed less canopy browning than surrounding secondary forests



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