

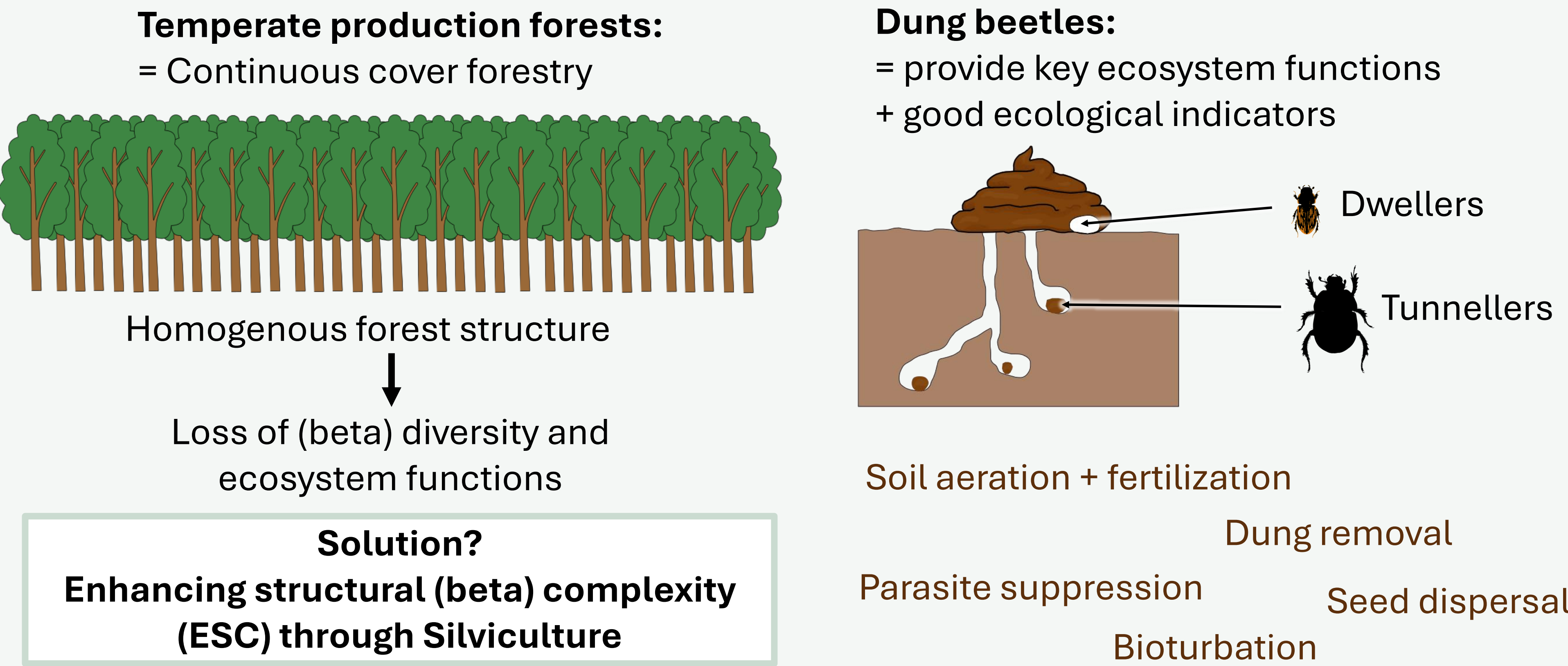
Dung beetles in temperate forests don't like it hot:

Effects of forest structure and climate on decomposition processes and decomposer communities

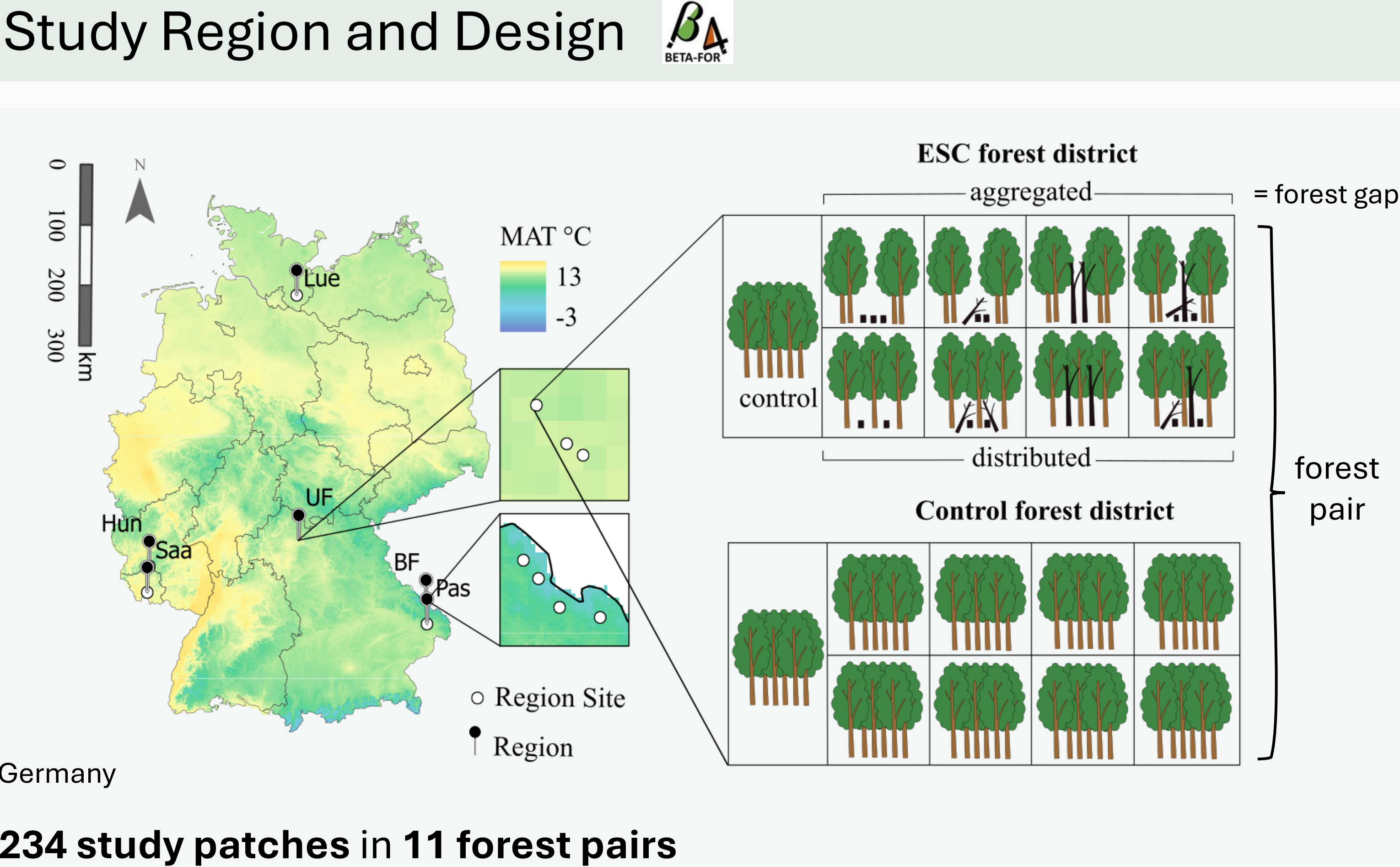
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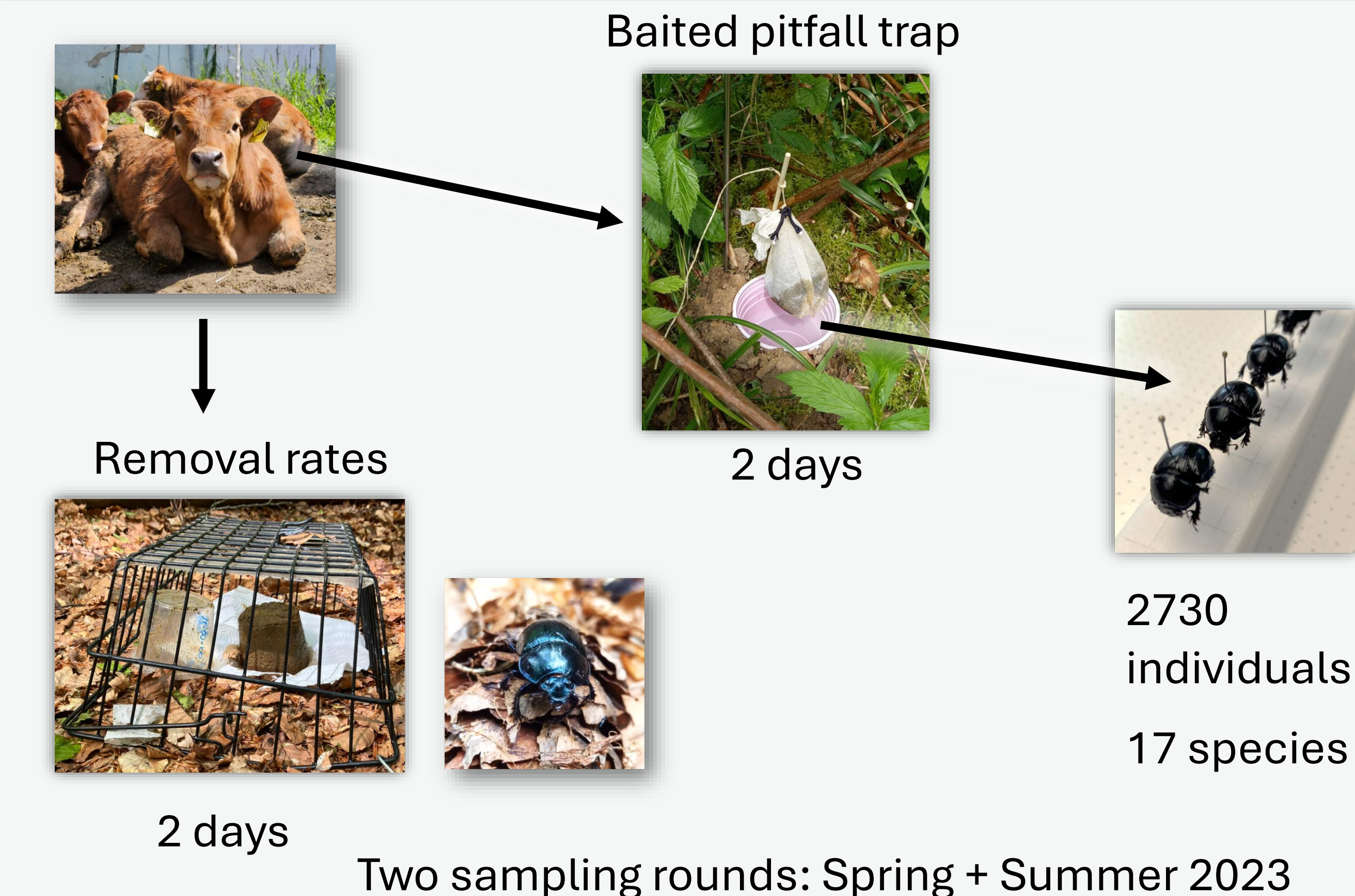
Background



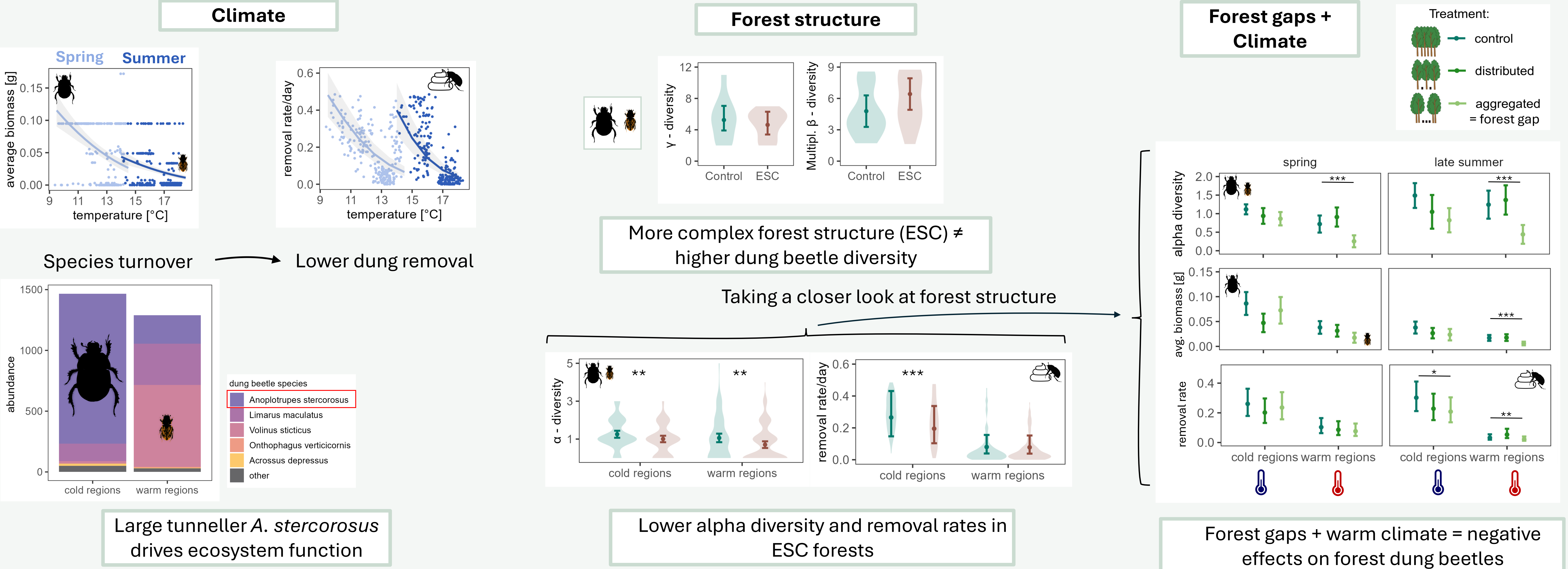
Study Region and Design



Methods



Results



Conclusions

- Forest structural complexity**
The current species-poor dung beetle community largely depends on closed canopy forests. Therefore, species richness and decomposition processes do not profit from a forest management that enhances structural complexity at the landscape scale.
- Climate**
Restricted climate niche of important large tunneller *A. stercorosus*
Forest gap + warm temperatures = negative effects on the entire forest dung beetle community
- Increased pressures under future climate warming**
- Need to conserve closed canopy forests**
- Can warm adapted species from southern Europe migrate and fill the functional gap?**

