

Open projects for BSc & MSc

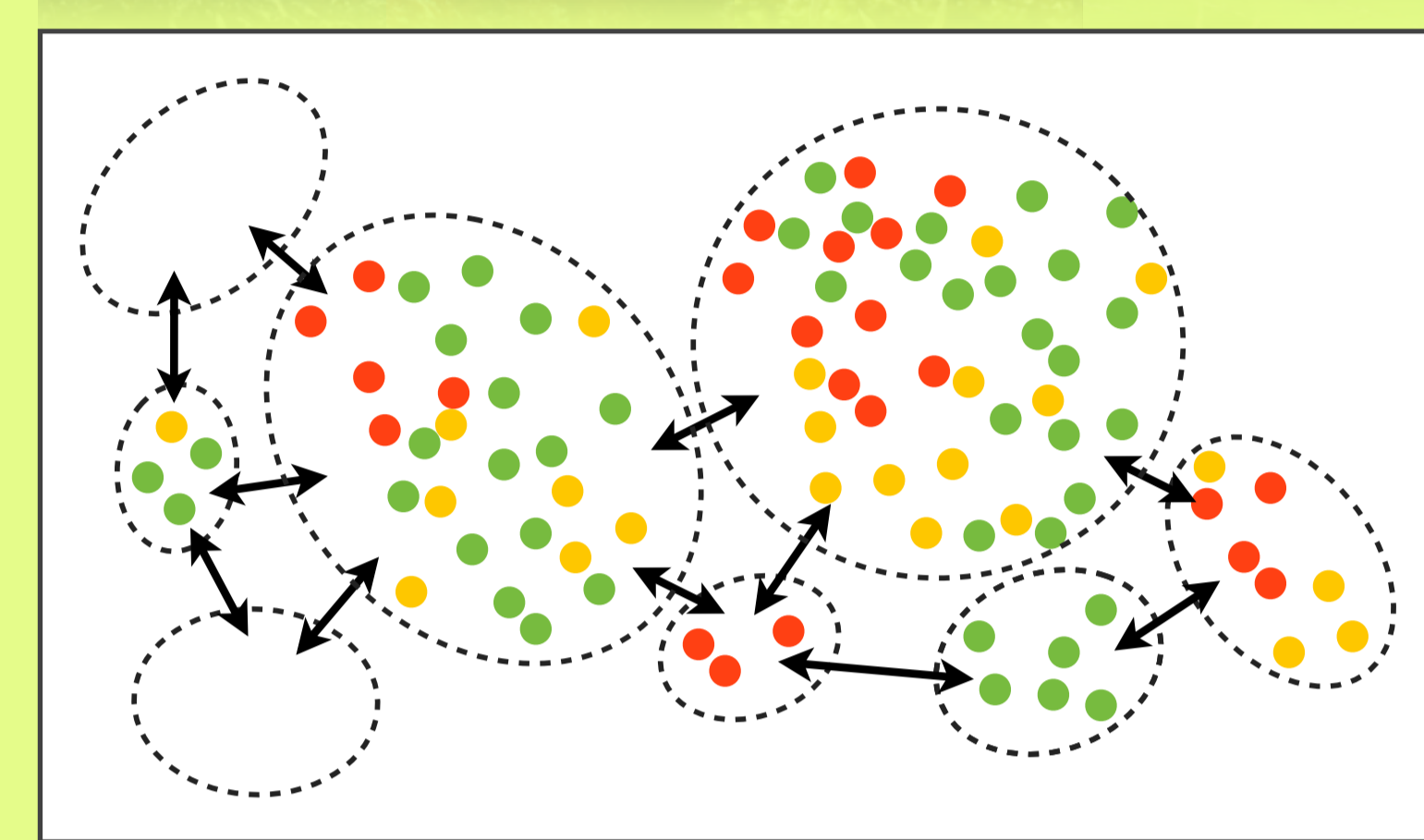
Integrating Evolution to Soil Ecology

- Metacommunity Phylogenetics

Spatiotemporal Patterns and Processes of Collembola Communities

in Different Types of Habitats

Collembola are a diverse soil mesofauna group, reaching high densities in various habitats including arable fields, grasslands and forests. Species assembly in local communities depends on various processes that work at different spatial and temporal scales. Combining metacommunity ecology with community phylogeny approaches brings soil ecologists new insights into underground communities.



Disturbances of 3 Habitats:

- Arable Field > Grassland > Forest

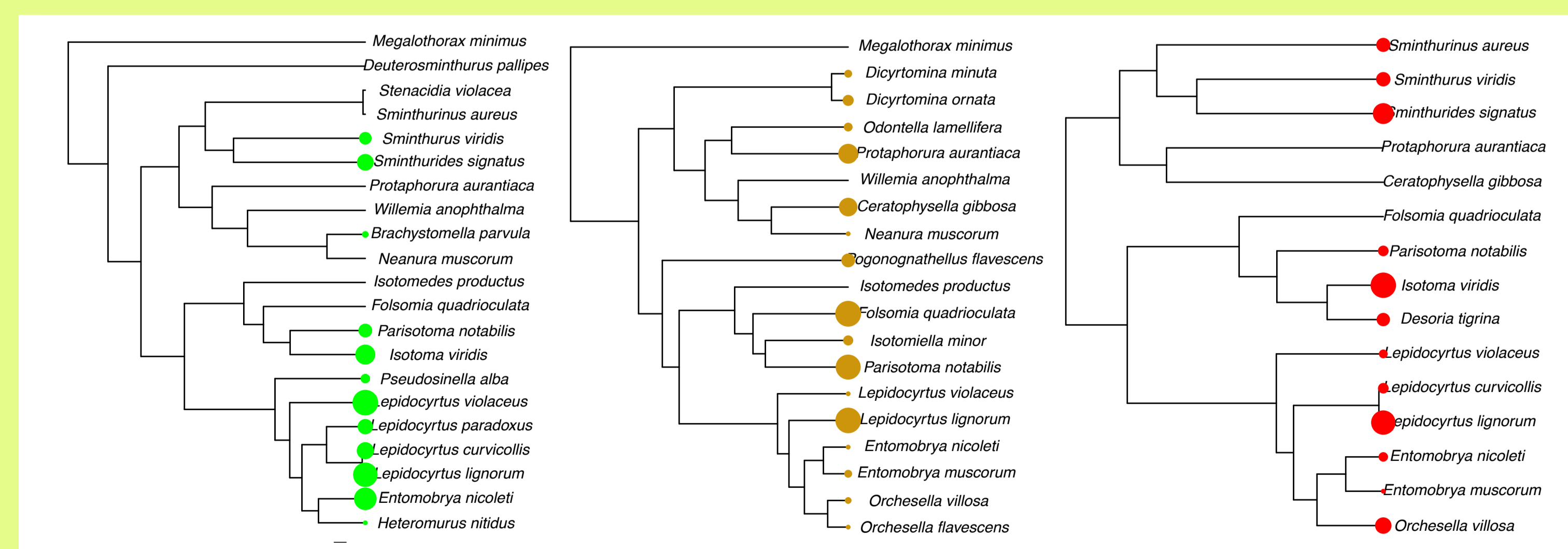
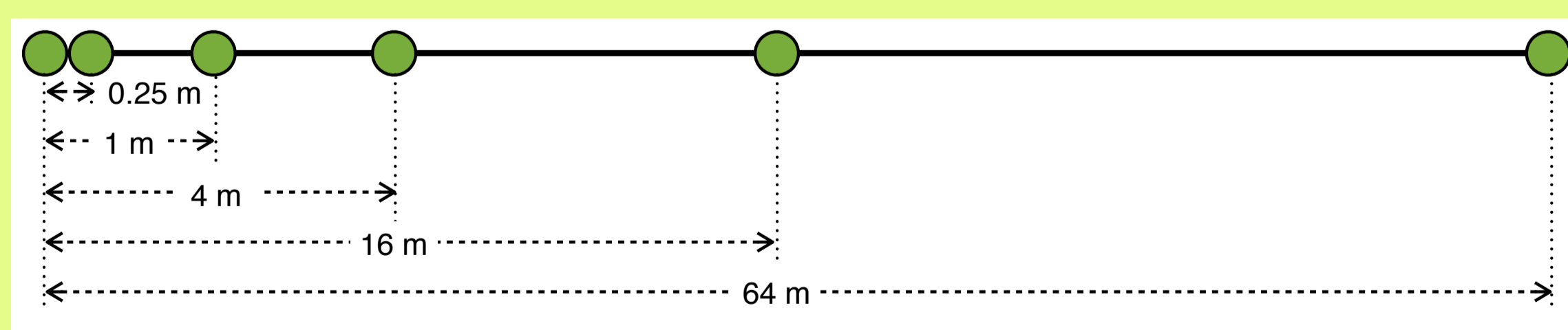
Field Sampling:

- Horizontal: 6 Points
- Vertical: 2 Layers
- Temporal: 3 Seasons

Processes:

- Niche-related
- Neutral
- Evolutionary Historical

In this project Collembolan communities in three types of habitats will be analyzed with phylogenetic, metacommunity ecological and spatial statistical methods across spatial and temporal scales.



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also check:

<http://www.uni-goettingen.de/en/107728.html>

