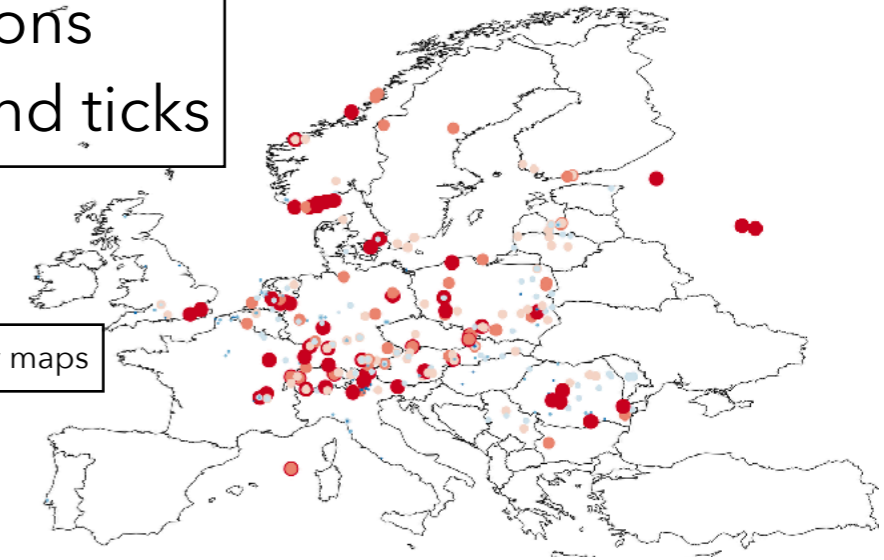


A Literature data collection on associations of *Borrelia burgdorferi* s.l., *B. miyamotoi* and ticks

Reported distribution of species

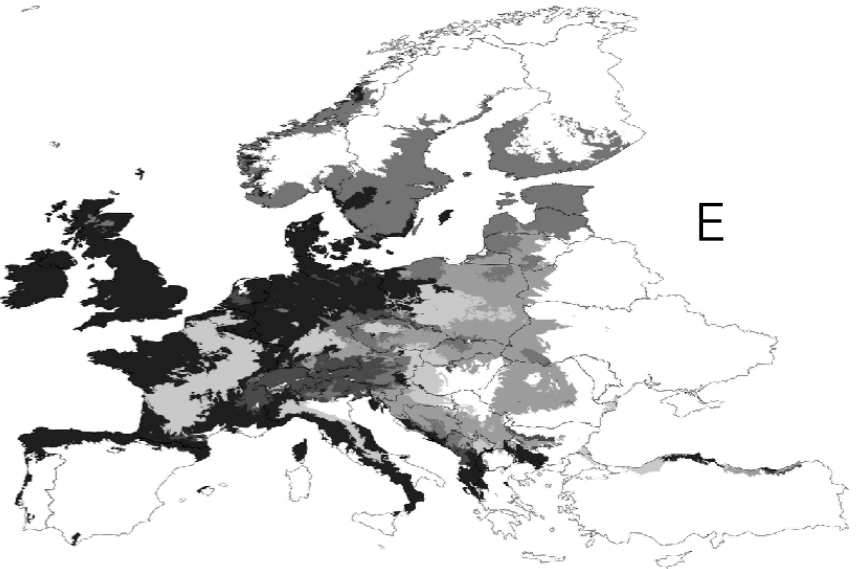
Data on prevalence of questing nymphs

Production of raw maps



Calculation of "categories of prevalence" based on quintiles. Projection on a grid

Projection of categories on the ecological descriptions of the territory



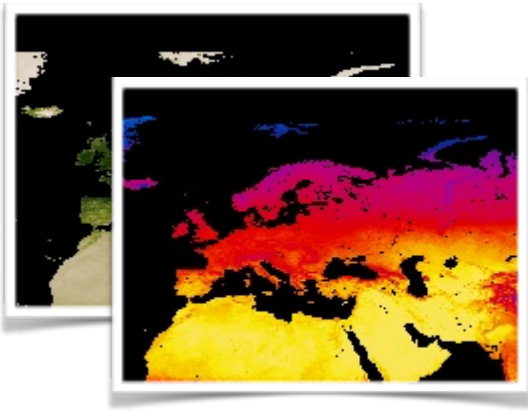
B

Query to MODIS repository to obtain remotely-sensed information on temperature and vegetation

Monthly data are converted to Fourier harmonics for niche modelling



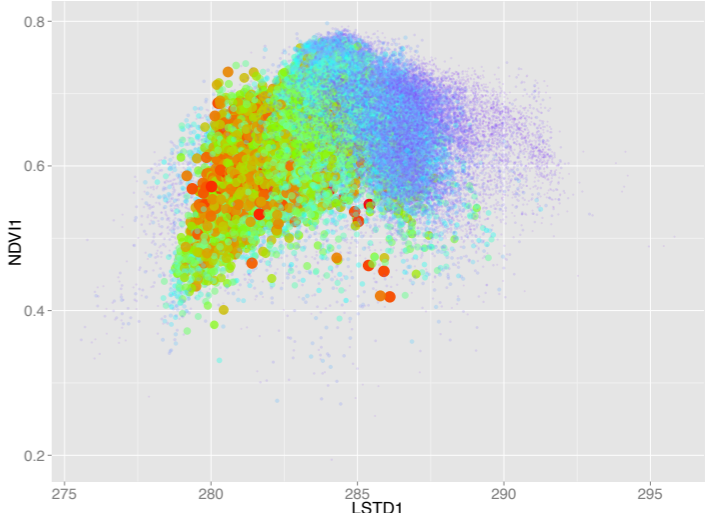
C



Transfer of environmental data and prevalence values to the grid

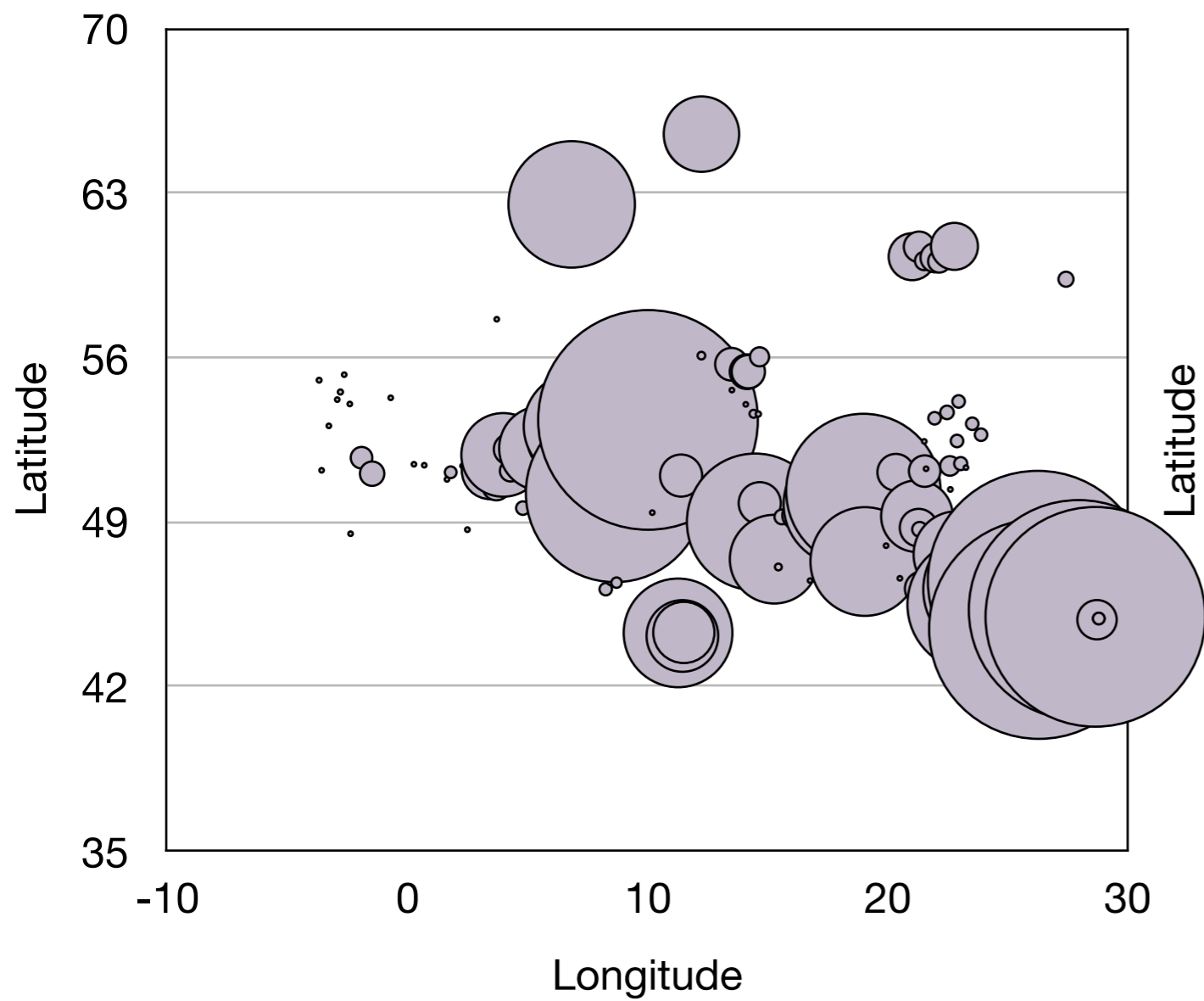
D

1

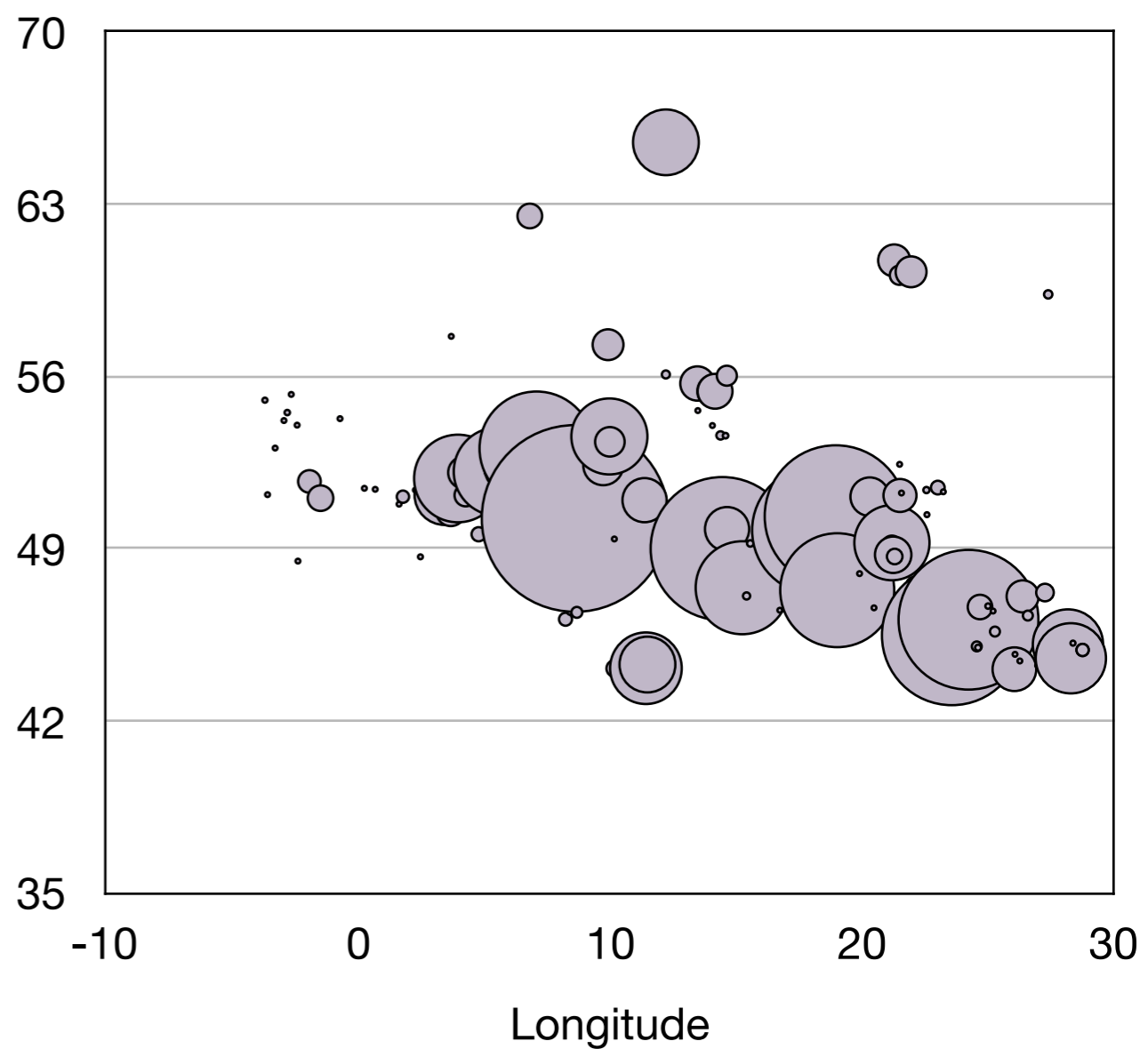


Modelling relationships of prevalence in ticks with environmental traits

F

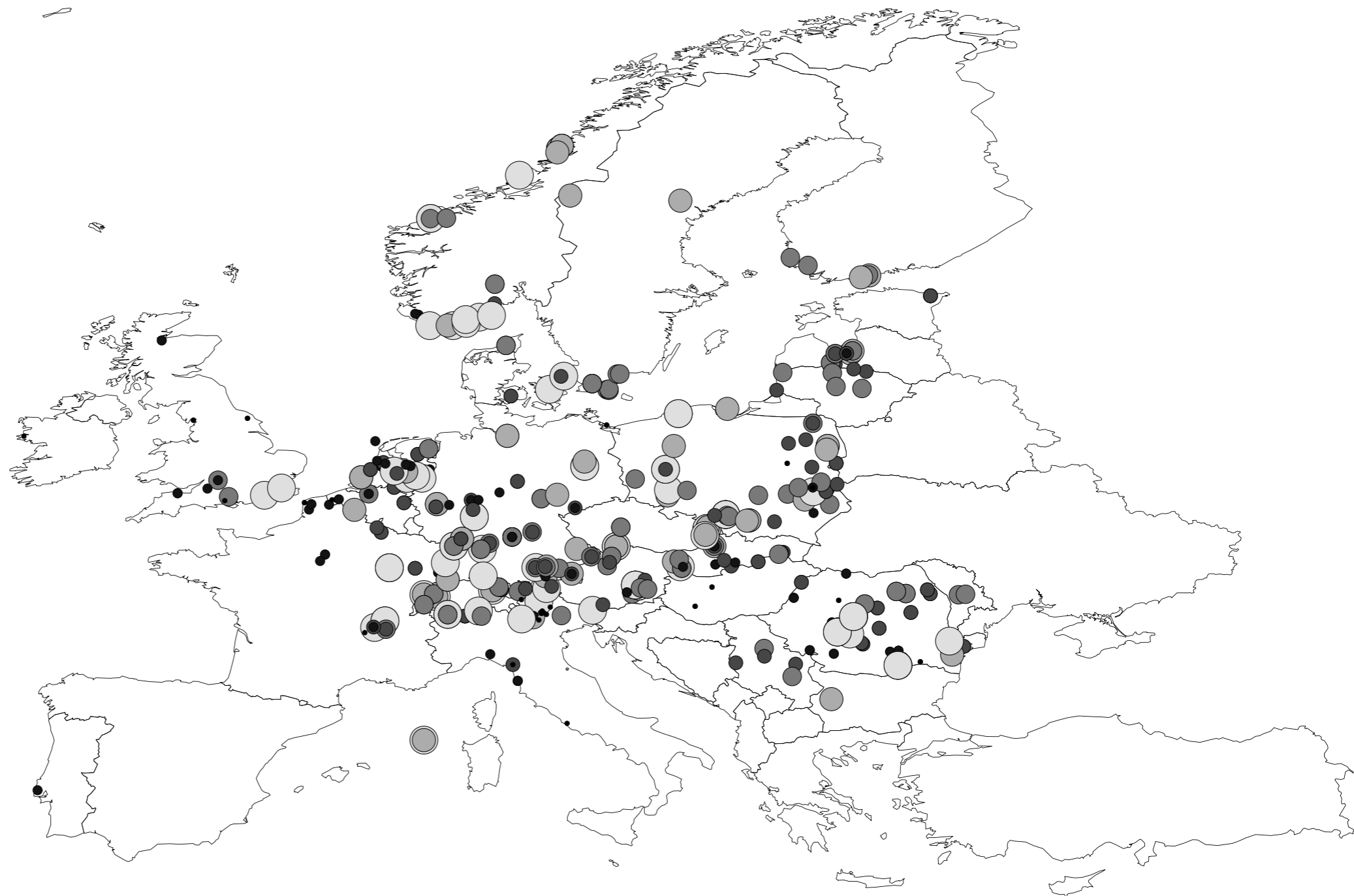
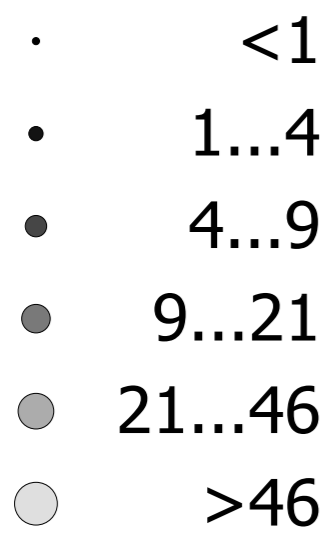


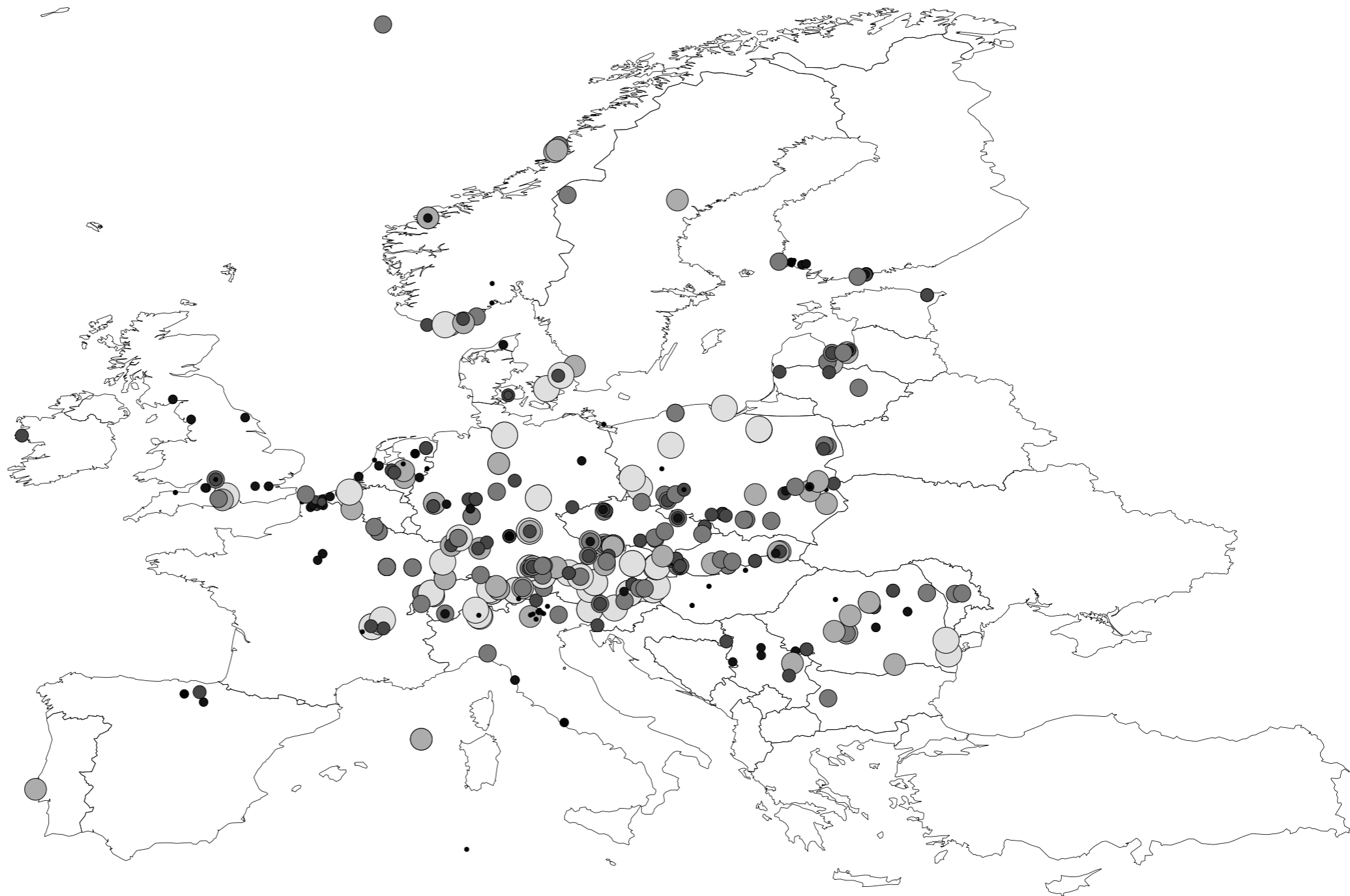
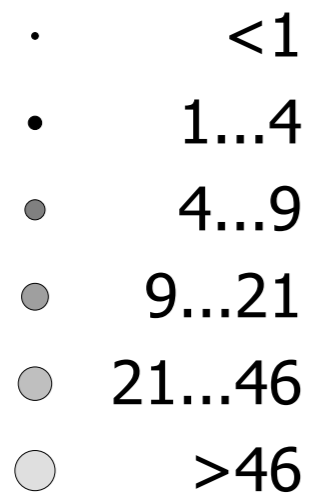
A

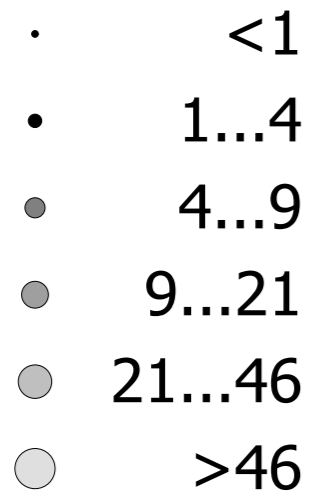


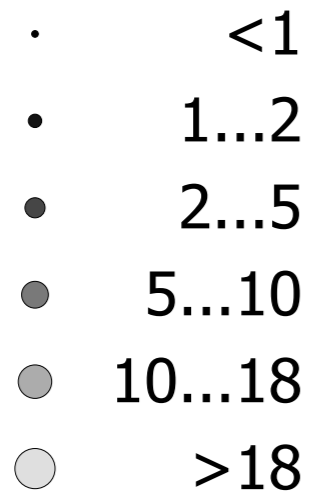
B

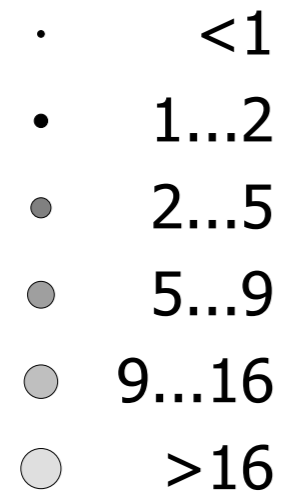
2



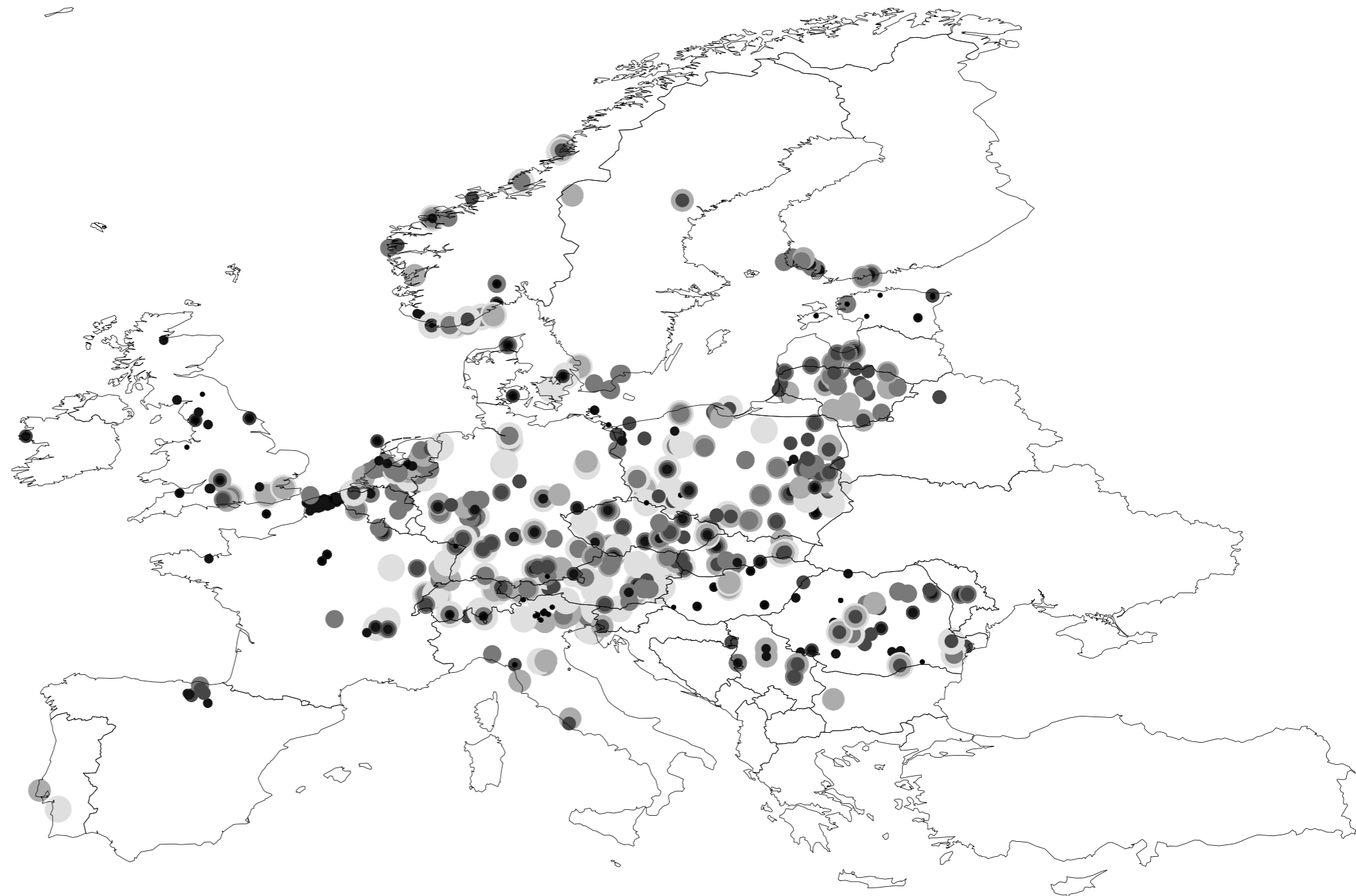
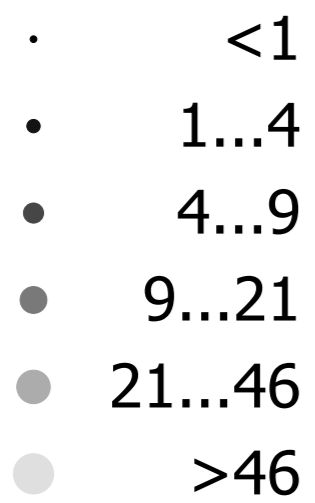




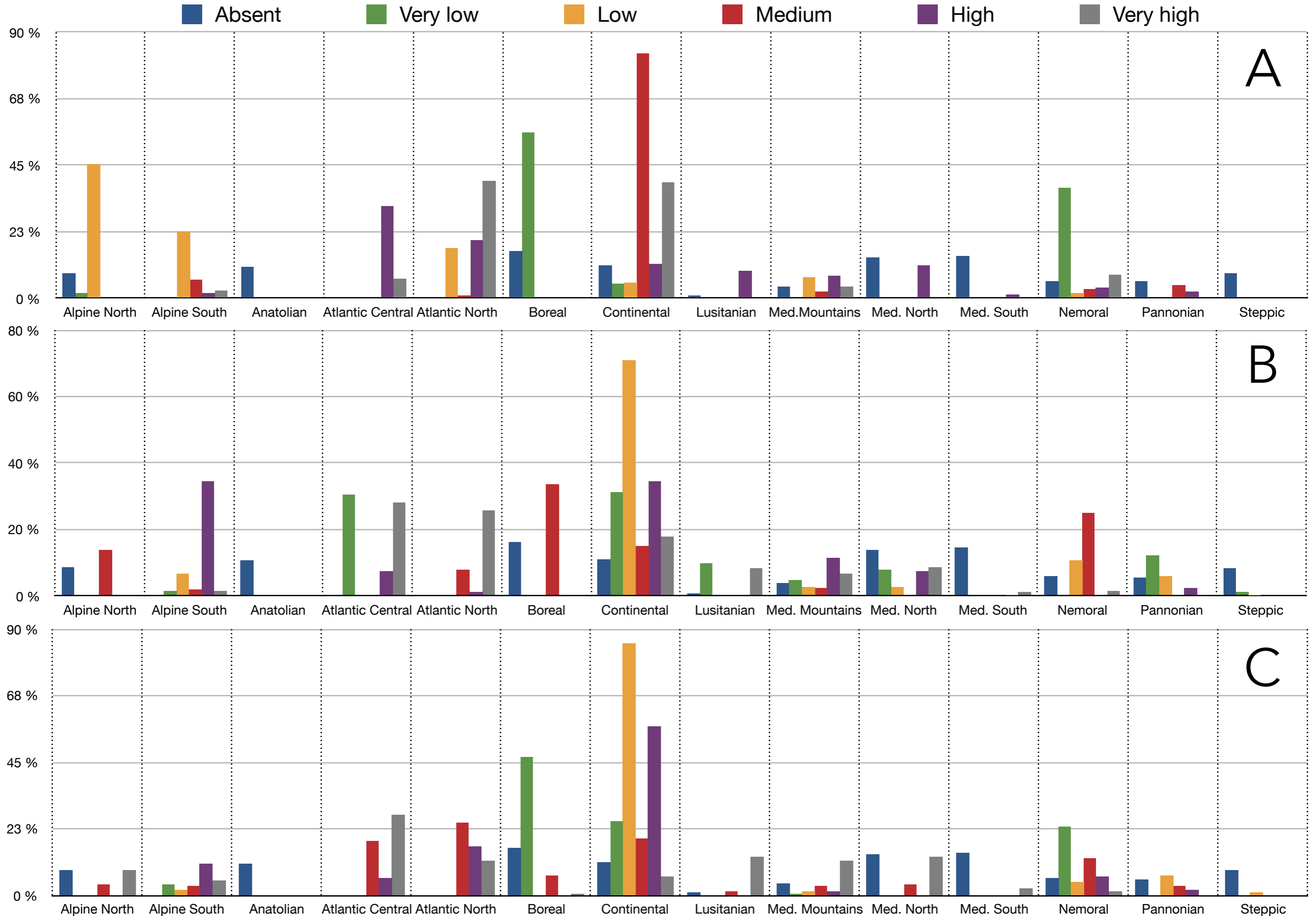


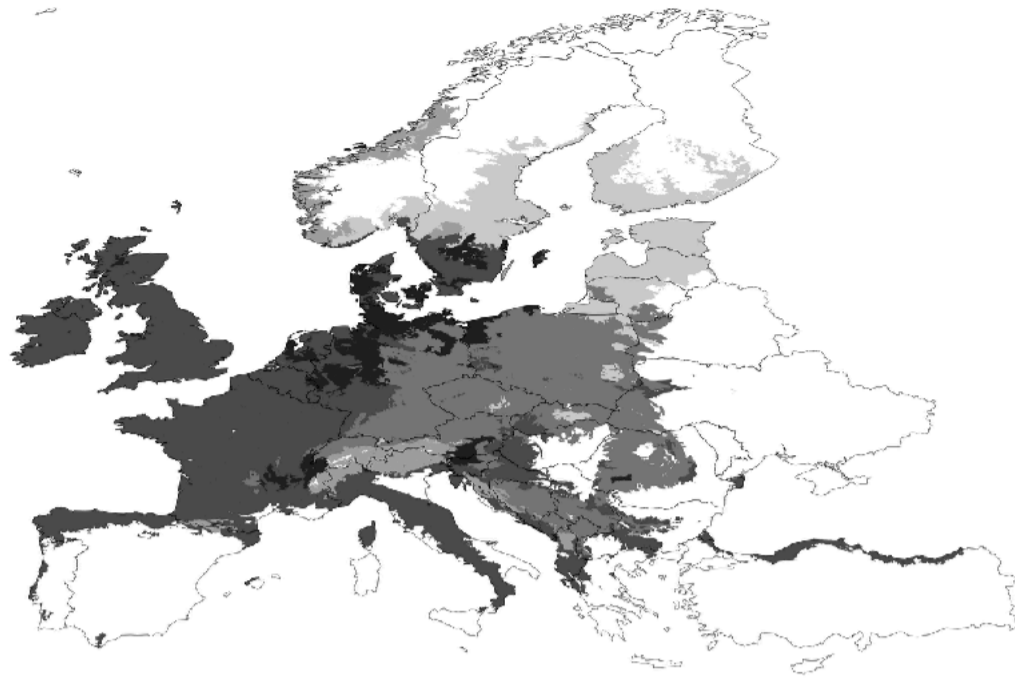
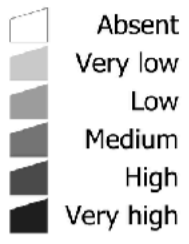


7

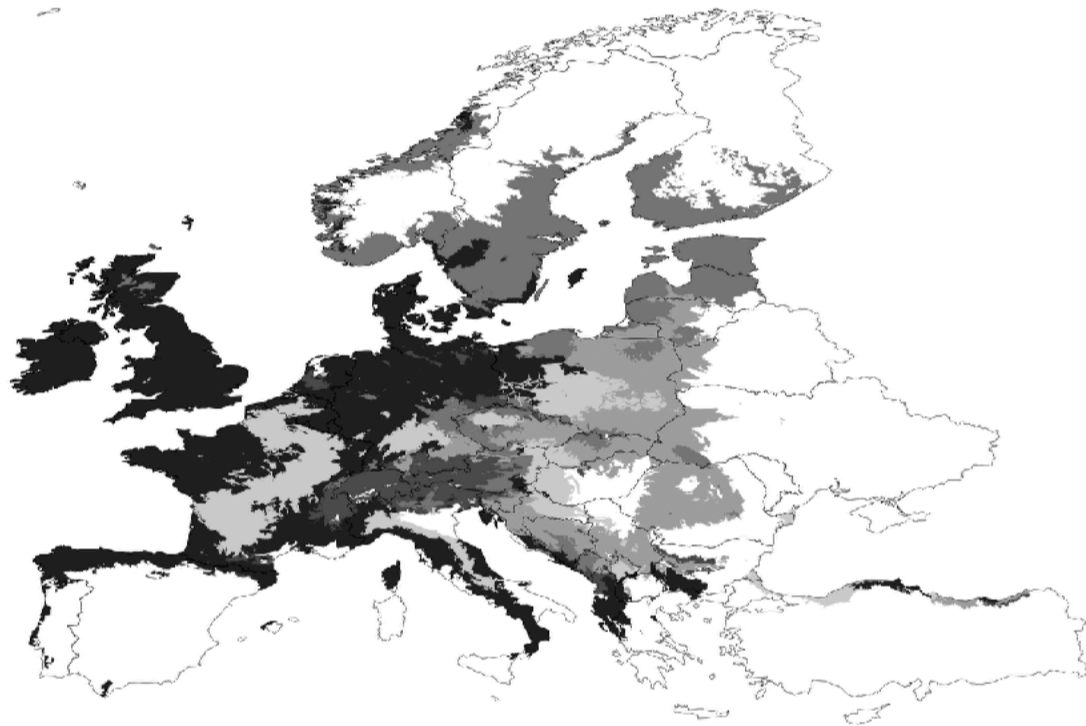
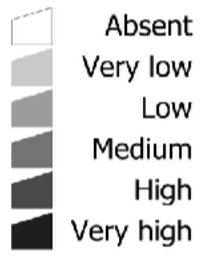




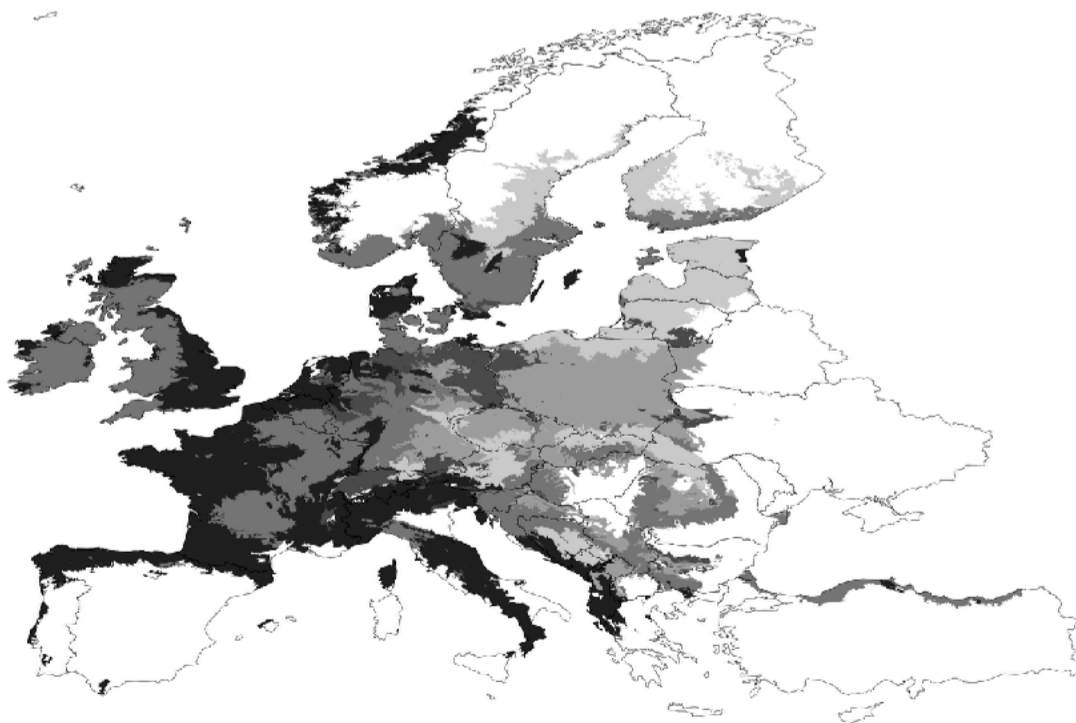
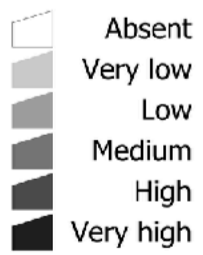




A

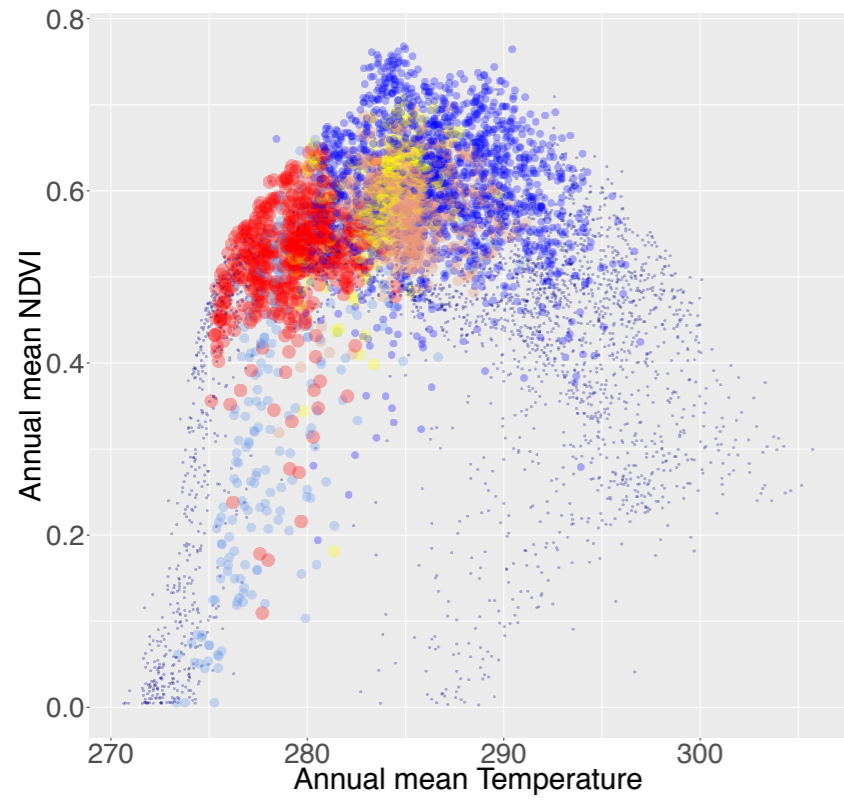


B

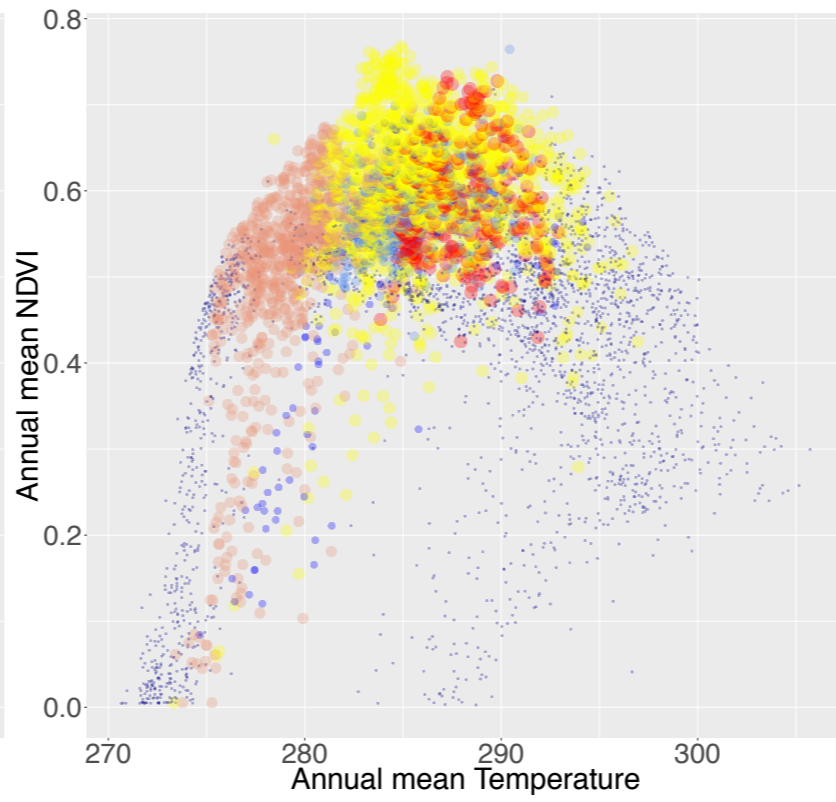


C

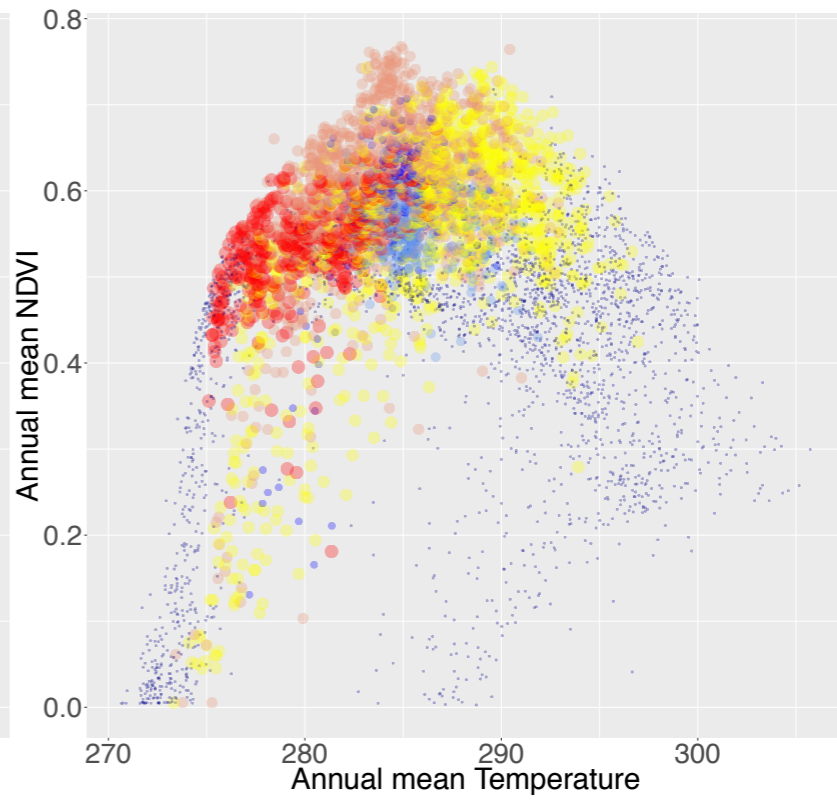
*B. afzelii*



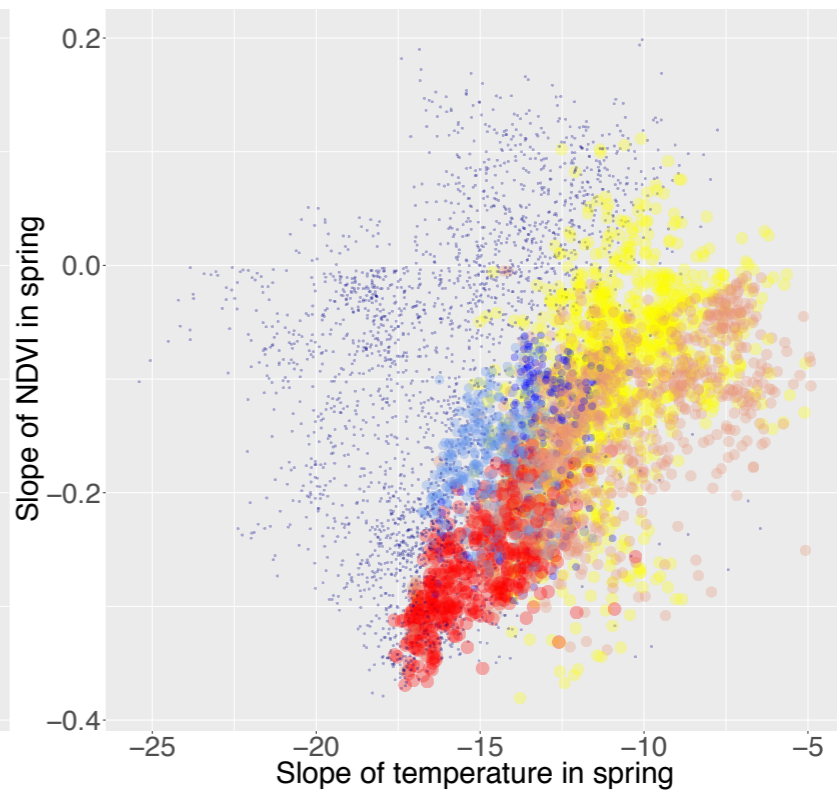
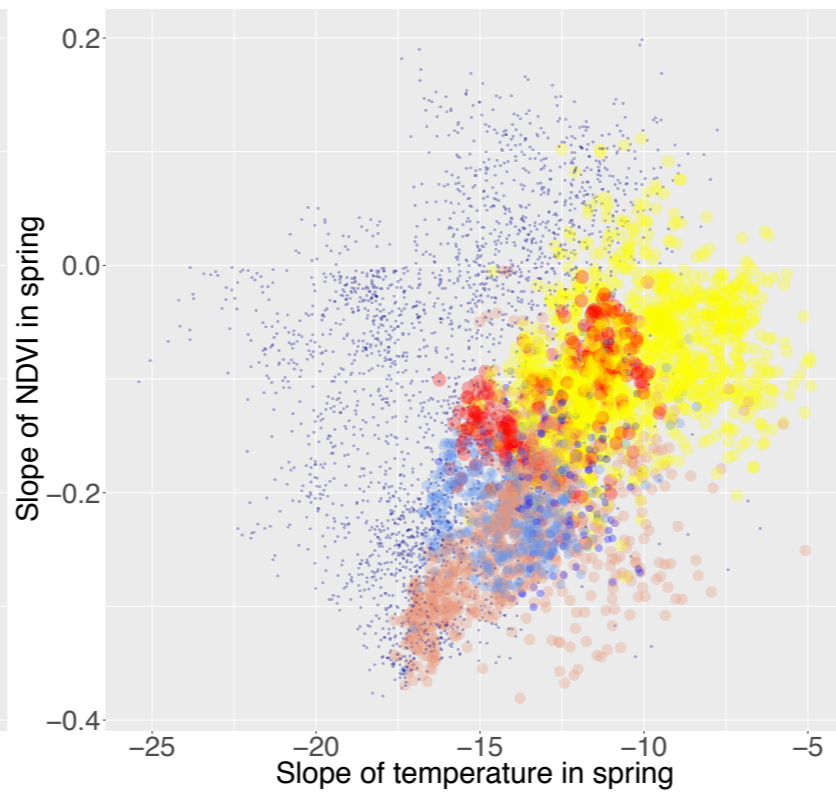
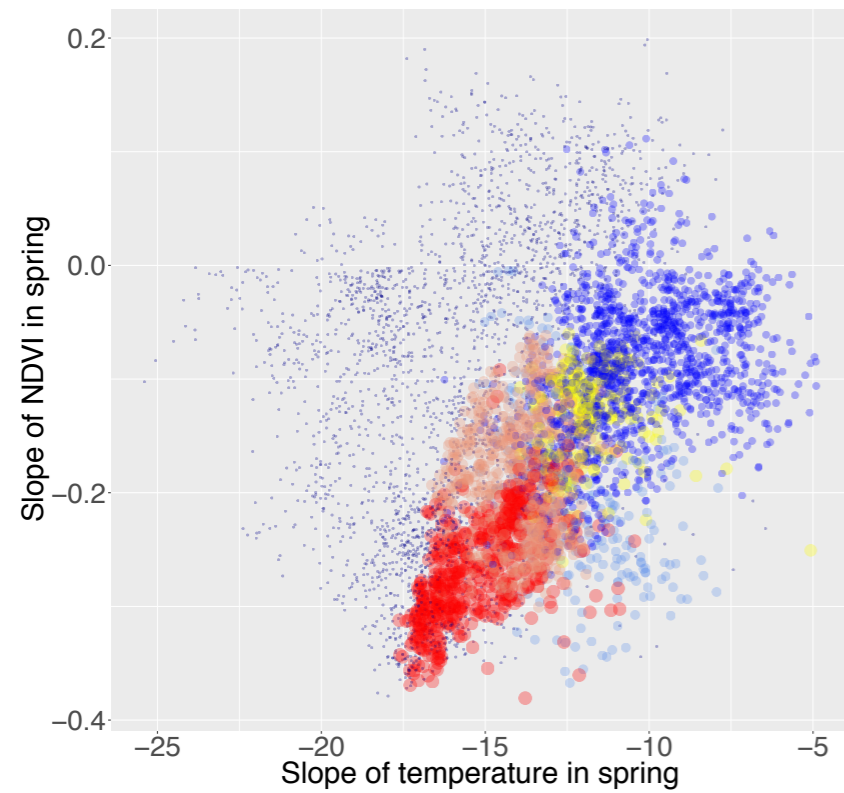
*B. garinii*



*B. valaisiana*



- Absent
- High
- Low
- Medium
- Very high
- Very low



- Absent
- High
- Low
- Medium
- Very high
- Very low