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

Monthly data are converted to Fourier harmonics for niche modelling.

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

Reported distribution of species

Data on prevalence of questing nymphs

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

Projection of categories on the ecological descriptions of the territory

Transfer of environmental data and prevalence values to the grid

Modelling relationships of prevalence in ticks with environmental traits