

Inputs from Dr. Dominik Kaim, presented by Dr. Joanna Zawiejska

Carpathian WG Biodiversity

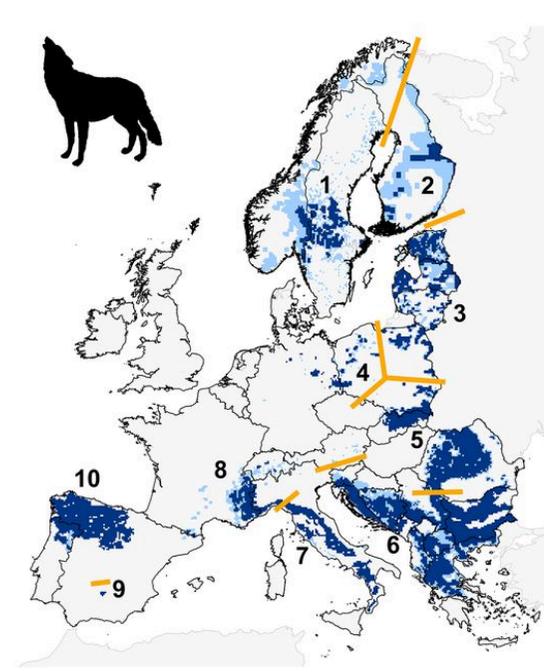
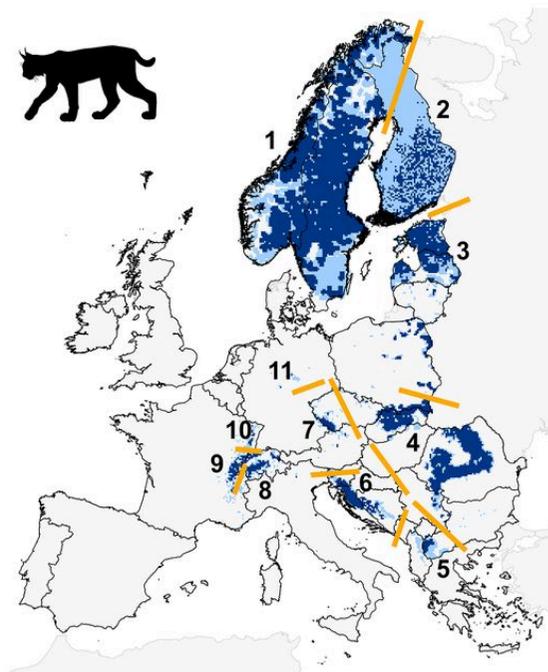
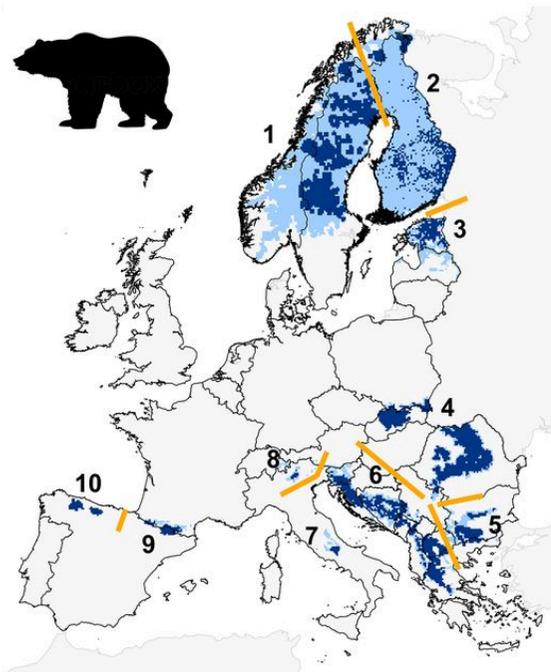
Meeting and Workshop

29-31 May 2019



Distribution of large carnivores in Europe in 2011

- Carpathians among the most important hotspots

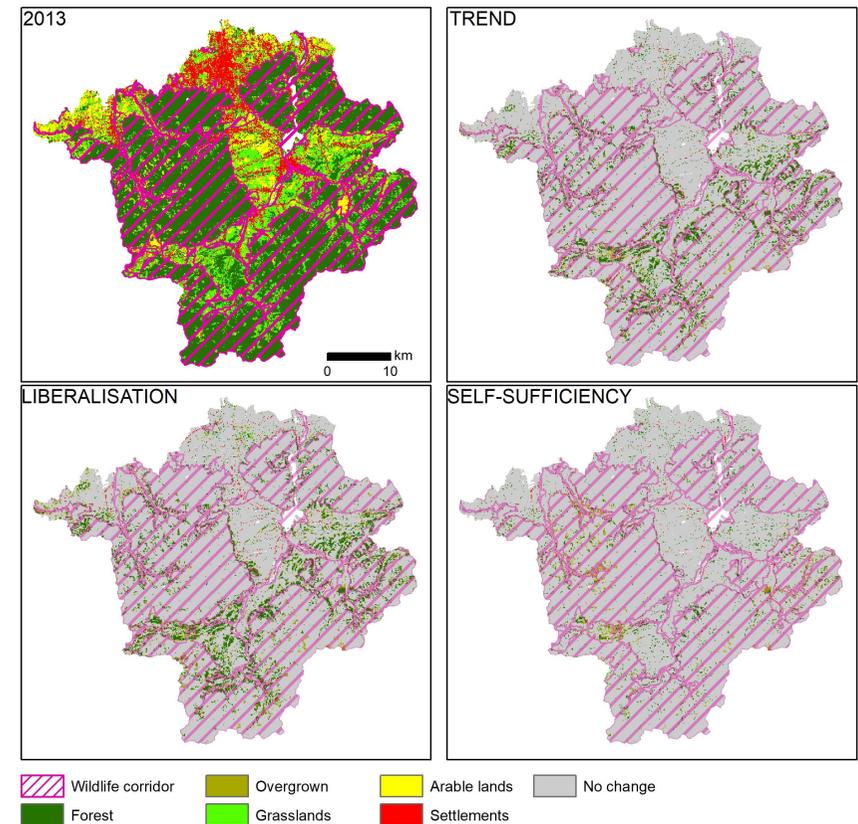
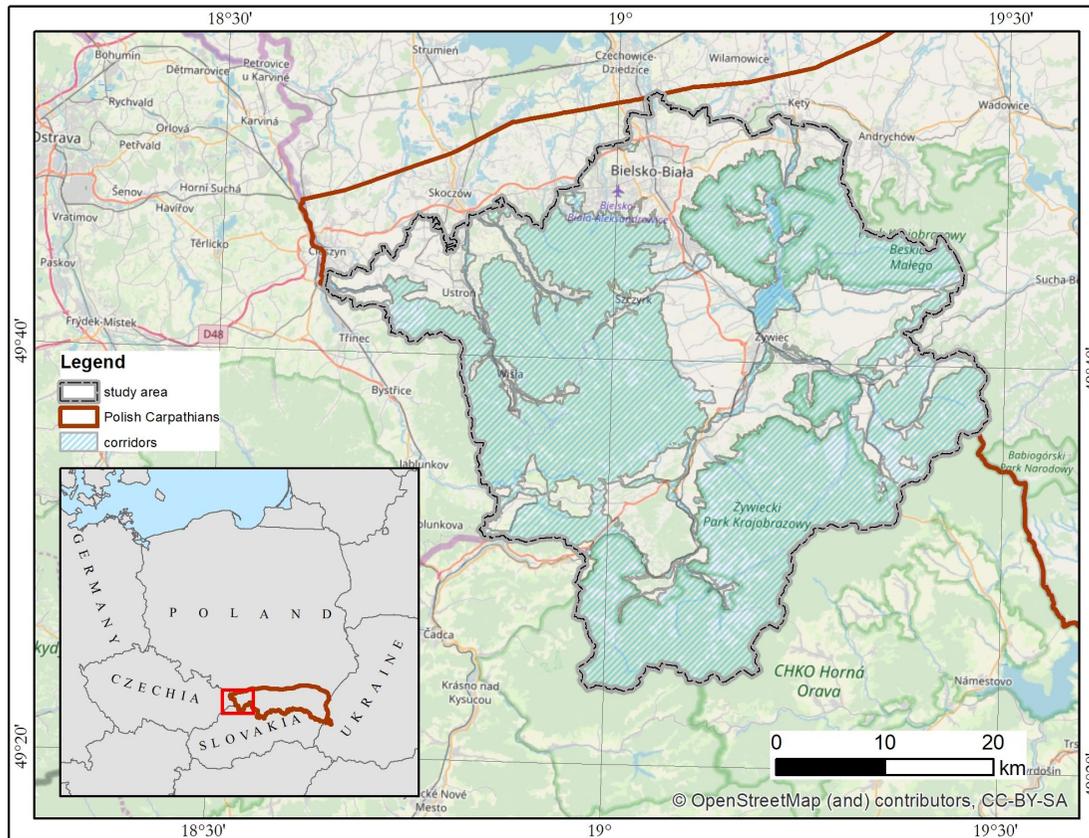


Chapron et al., 2014

Impact of Future Land Use Change on Large Carnivores – case of the Polish Carpathians

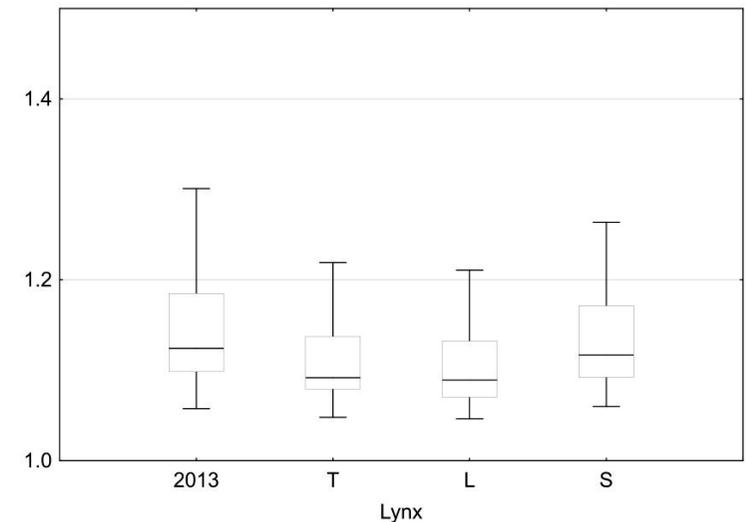
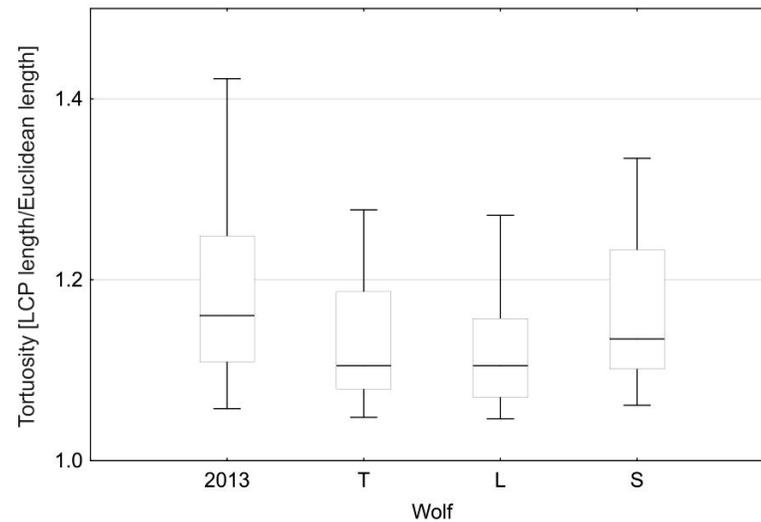
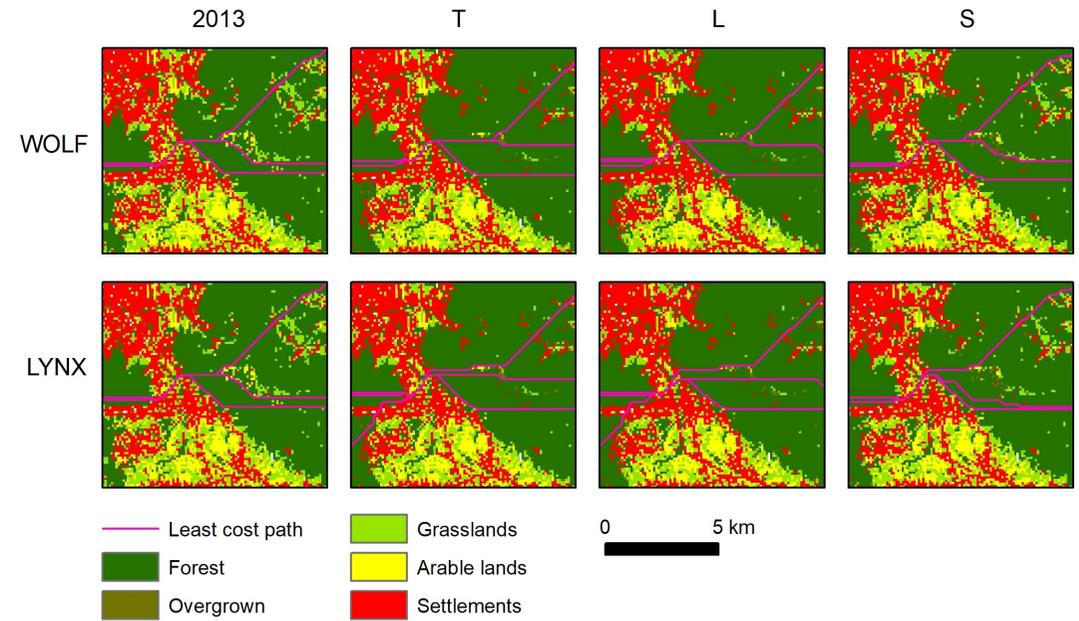
- We modelled land use change till 2060 in three scenarios: Trend, Liberalisation, Self-sufficiency (*Price et al. 2017*)
- We assessed the impact of future land use (2060) on large carnivores connectivity (wolf, lynx)
- All the models showed that the connectivity will be better in future due to forest cover increase and land abandonment
- However, locally the settlement spread may limit the positive impact of forest cover change – proper spatial planning is crucial!

More forest will appear mainly outside the existing wildlife corridors (similar with settlements)



Kaim et al., 2019

Shorter paths among habitat patches (tortuosity) indicate better connectivity in future – in all future scenarios, both for wolf and lynx



Kaim et al., 2019