Inputs from S4C
Research on Large Carnivores in Poland

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