# Servicescape of the Greater Serengeti-Mara Ecosystem:

Visualizing the linkages between land use, biodiversity and the delivery of wildlife-related ecosystem services



Norwegian Institute for Nature Research





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## Living with Wildlife



Safari tourism



Trophy hunting



Bushmeat hunting



Depredation



- Biodiversity
- Welfare











## Managing Co-Existence

- Visualizing trade-offs between ecosystem services and evaluating implications of management strategies
- Contrasting effects of four development scenarios, incl. Business As Usual

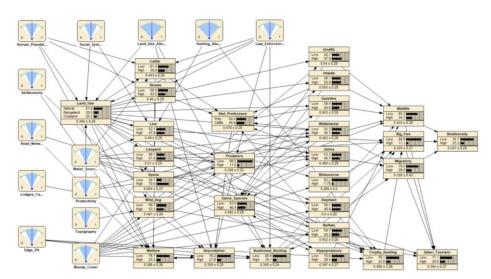


## Modelling Co-Existence

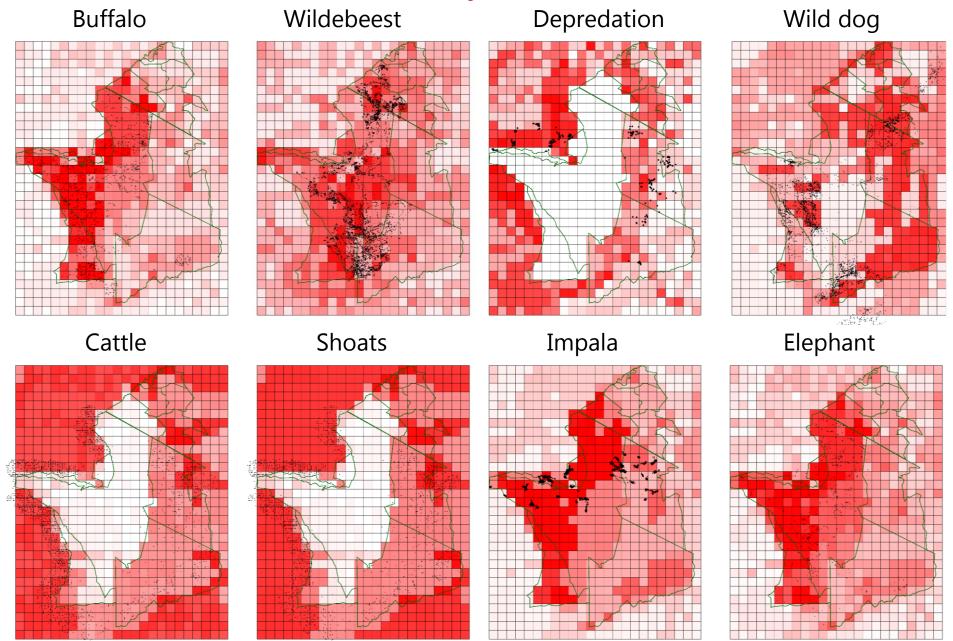
- Knowledge-driven model that is able to capture complex social-ecological systems
- Bayesian Belief Network to model the likelihood of specific management on wildlife or environmental states

 Geographic Information Systems (GIS) to visualize the spatial distribution of ecosystem services in the

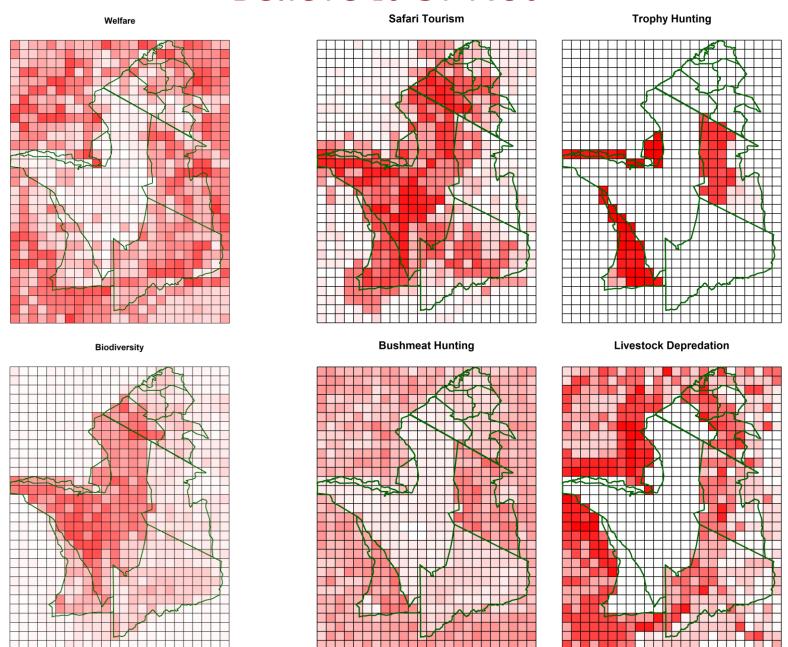
landscape



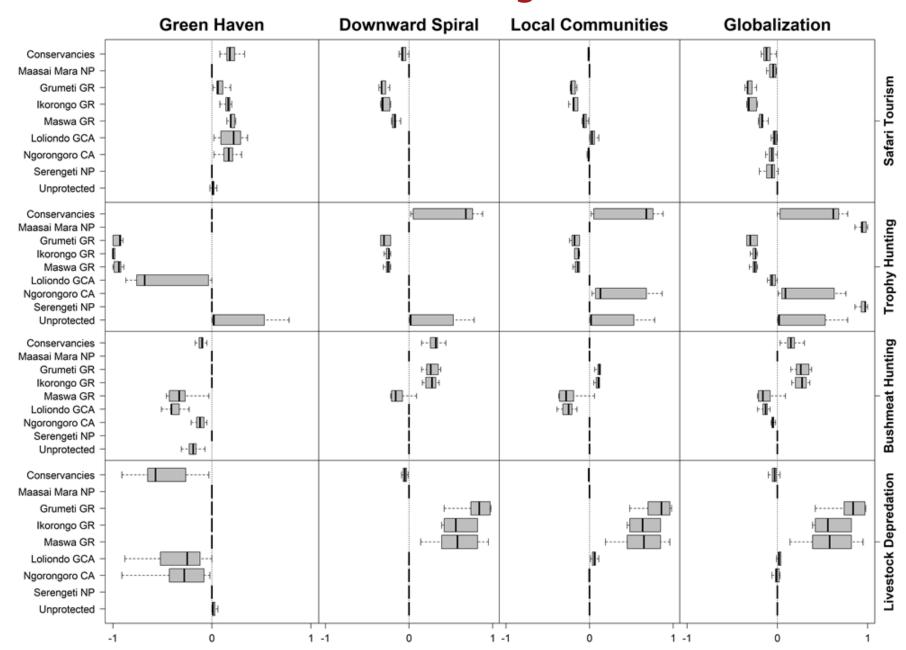
## ···Reality check···



#### ···Believe It Or Not···



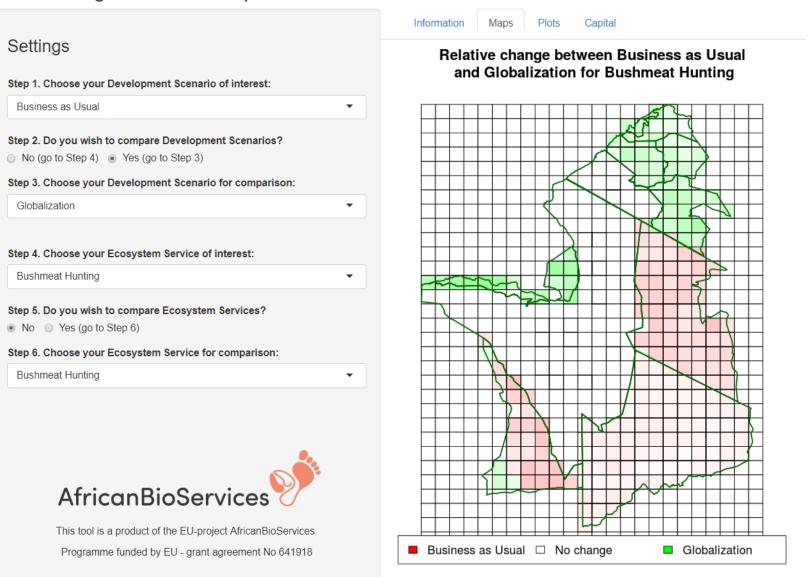
#### ···Where to go···





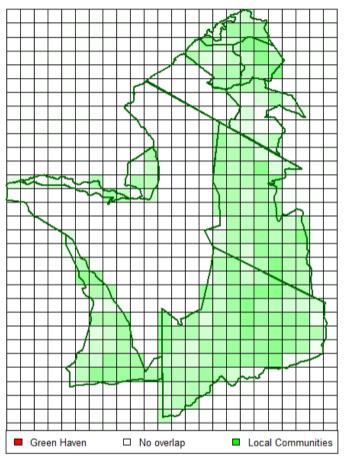
#### https://africanbioservices.shinyapps.io/servicescape/

#### The Serengeti ServiceScape

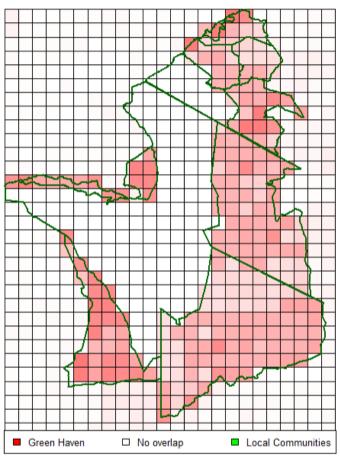


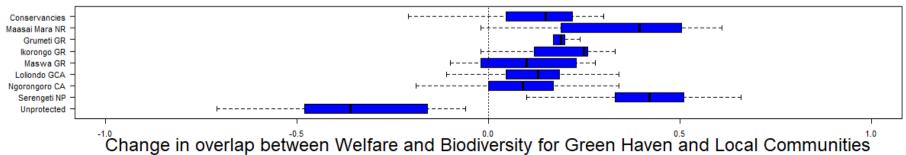
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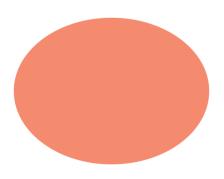




#### Change in Biodiversity between Green Haven and Local Communities







Live on the wild side
Faring well is capital
At your (dis)service!