

The HEALTHY FUTURES Atlas

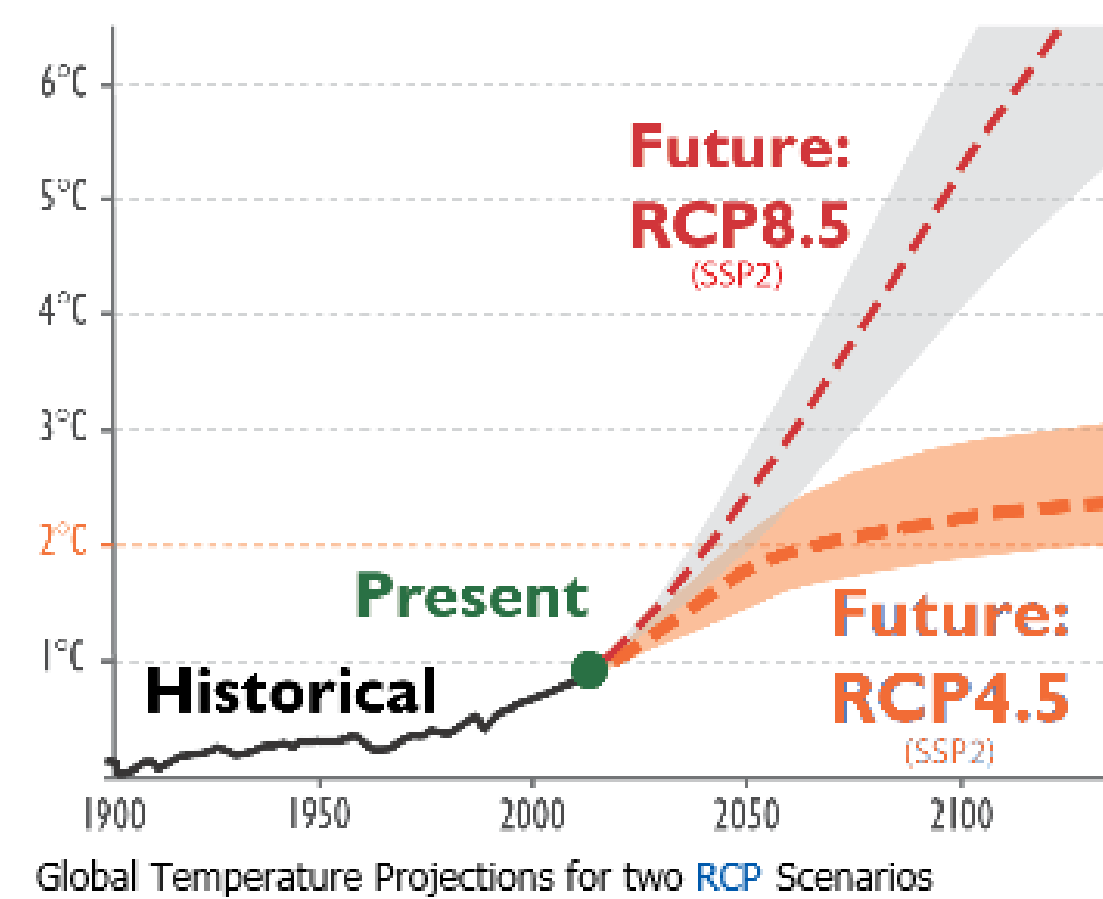
Estimating and mapping future **Risk** of *Schistosoma mansoni* infection in East Africa
by combining indices of **Hazard** and **Vulnerability**

1 Water related vector-borne disease:

- Malaria
- Schistosomiasis
- Rift Valley Fever

2

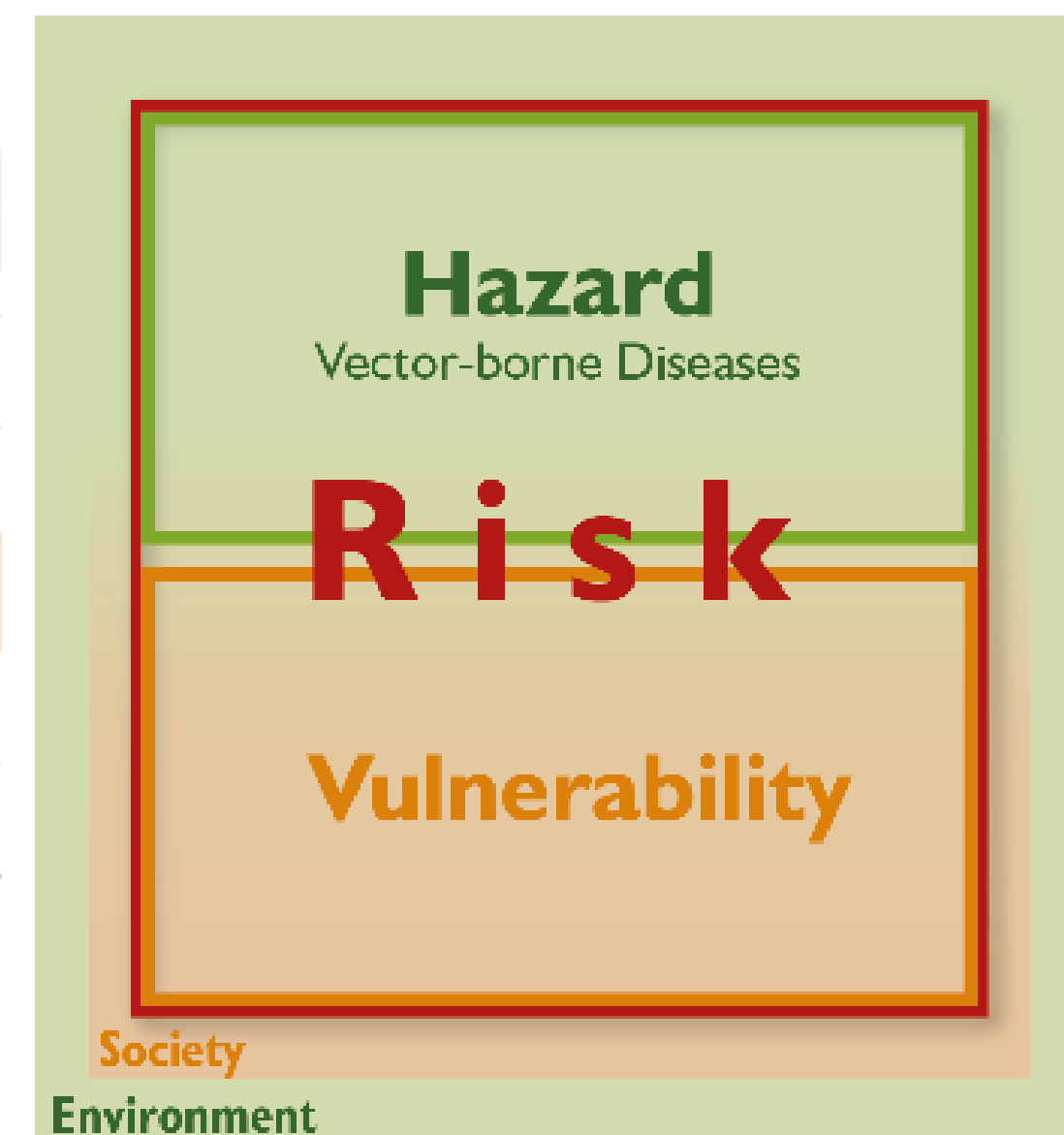
Time: Past, present or future



Selected future scenario: RCP4.5

3

Component in the risk domain:
(only present or future)



Select component! Click in the graphic!

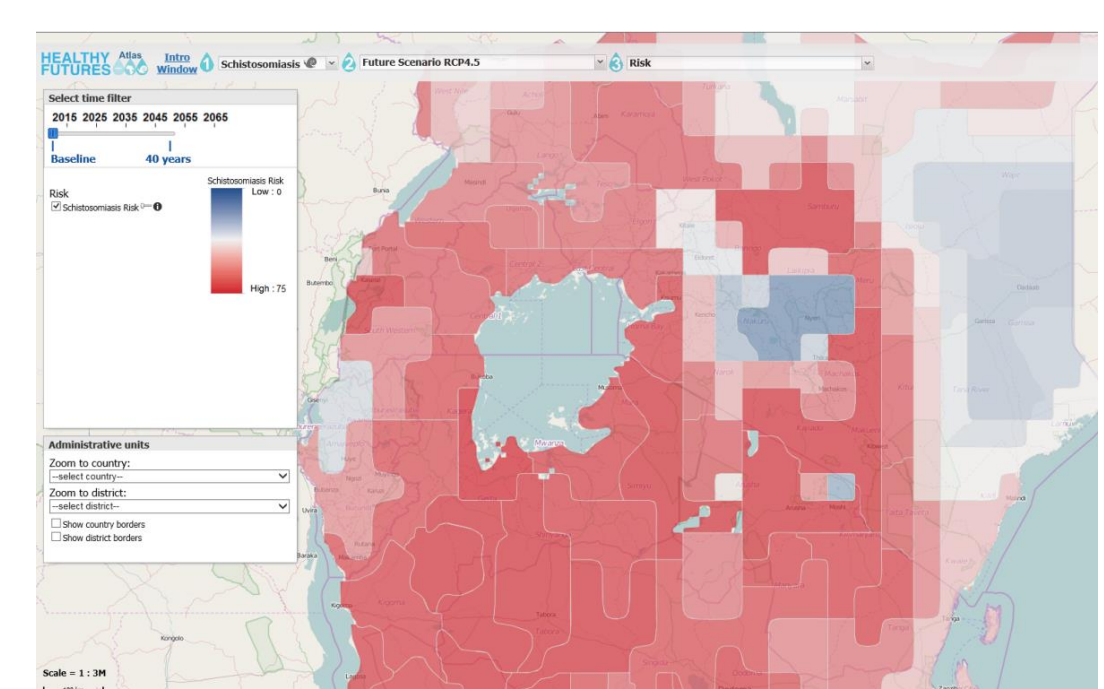
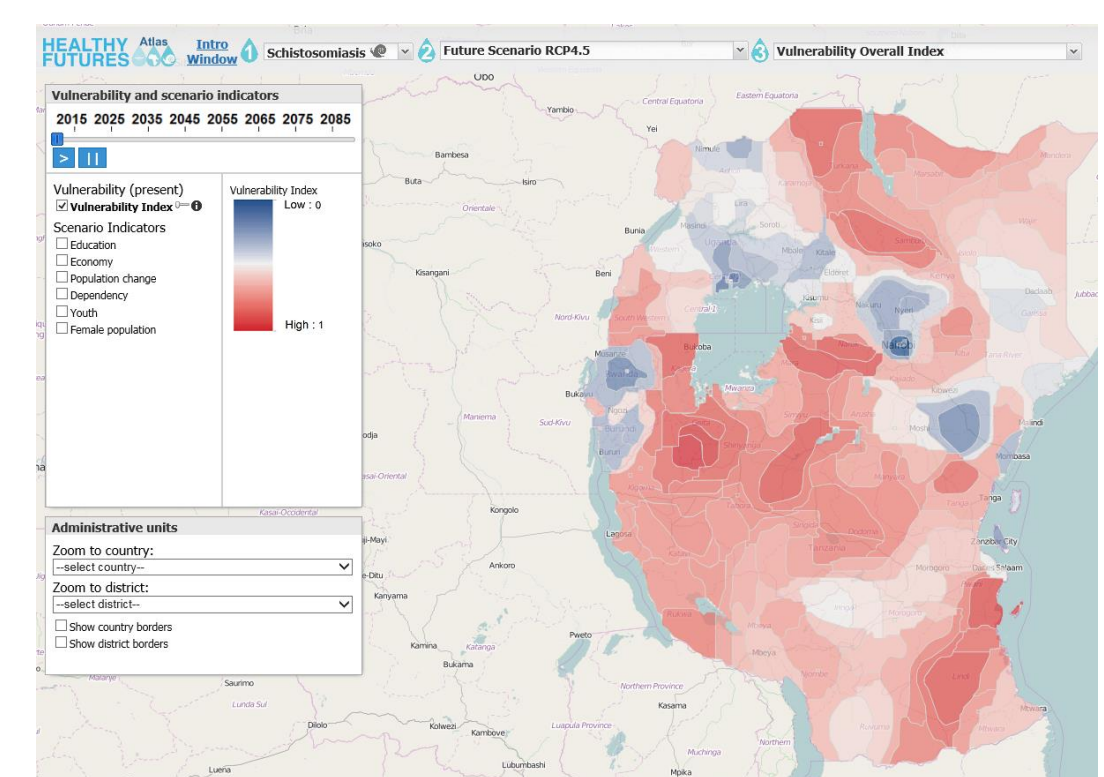
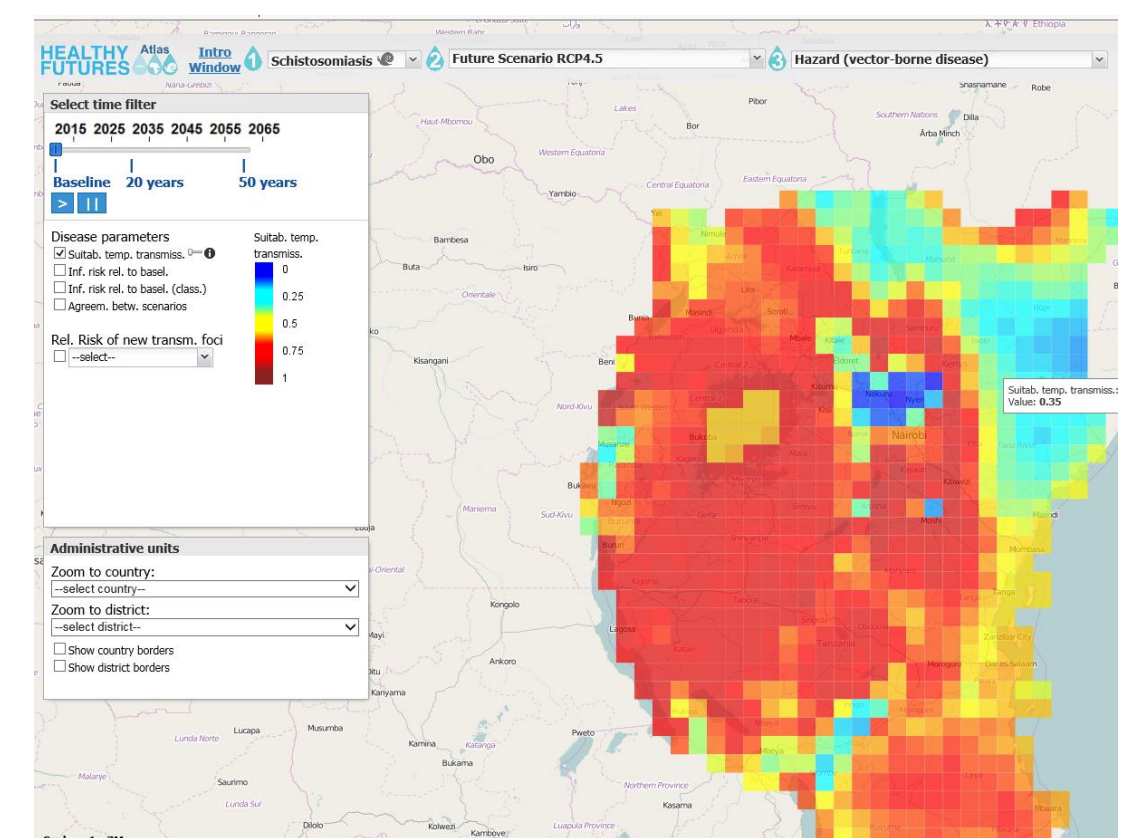


Hazard: Downscaled climate change projections (50x50km) combined with an agent-based model of temperature sensitive stages of the *S. mansoni* life cycle (McCreesh *et al* Parasites and Vectors 2015)

Vulnerability: expert weighted list of indicators covering inability to cope or anticipate, biological susceptibility *etc*

Risk: a combination of hazard and vulnerability, projected over the coming decades

Further work to incorporate uncertainty and additional indices now underway



Also available for malaria and rift valley fever

Useful for teaching, awareness raising, decision support

www.healthyfutures.eu