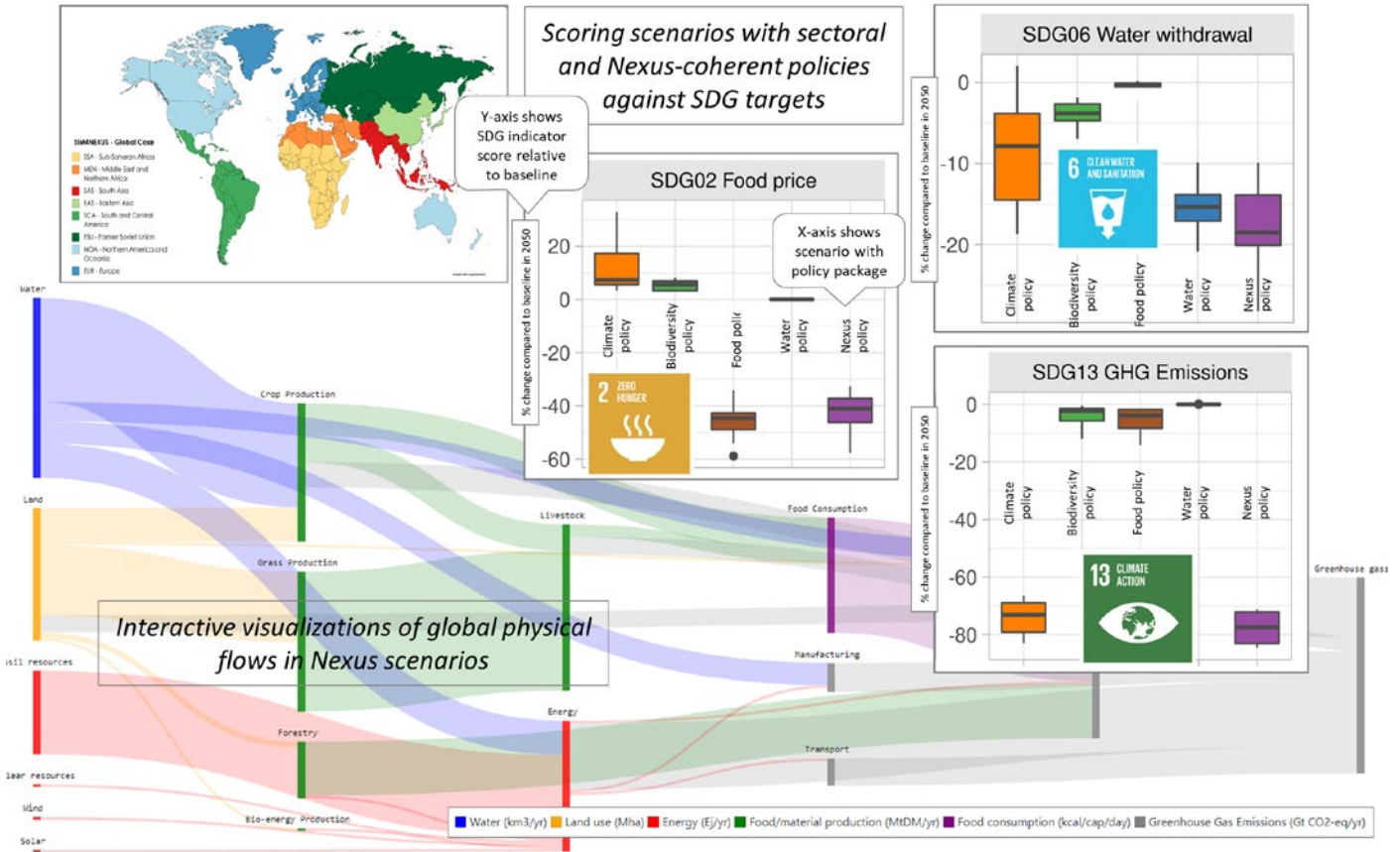


# Global Nexus assessment



## Reducing meat consumption is a win-win strategy for climate, food, biodiversity and water

### Key achievements

- Development of harmonized scenarios with multiple models on sectoral and Nexus-coherent policy
- Investigated synergies and trade-offs of climate, biodiversity, food and water policies and their relationship with the sustainable development goals
- Improved interaction and cooperation between modelling teams on Nexus research

### Our work

The SIM4NEXUS global case study brings together a team working with large, complex modelling tools on the global scale investigating interactions between the human system and the environment. For the first time, scenarios quantifying synergies and trade-offs across Nexus sectors are co-developed with multiple models. This allows quantification of the Nexus while also taking model uncertainties into account.

The replacement of animal proteins by plant-based proteins is a strategy with high synergies across climate, food, biodiversity and water. In contrast, climate mitigation policies with substantial land requirements such as bio-energy could have negative impacts on food production or biodiversity and therefore should only be implemented if food security and nature protection are guaranteed.

### Key product

[Development of interactive visualization of scenarios to share results with the public](#)



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