## Major transformations are needed to shift to a sustainable development pathway

#### SDG agenda is holistic

Individual SDGs are mutually enforcing and mostly synergistic.

### SDG agenda requires 'pathway thinking'

A set of major transformations underlie sustainable development and achieving the SDGs





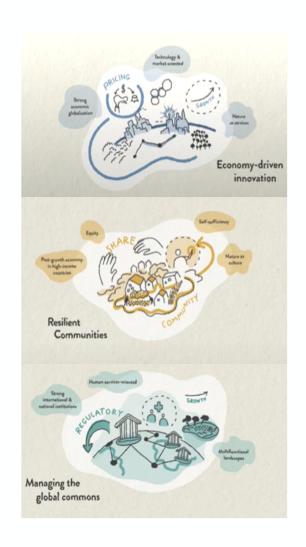


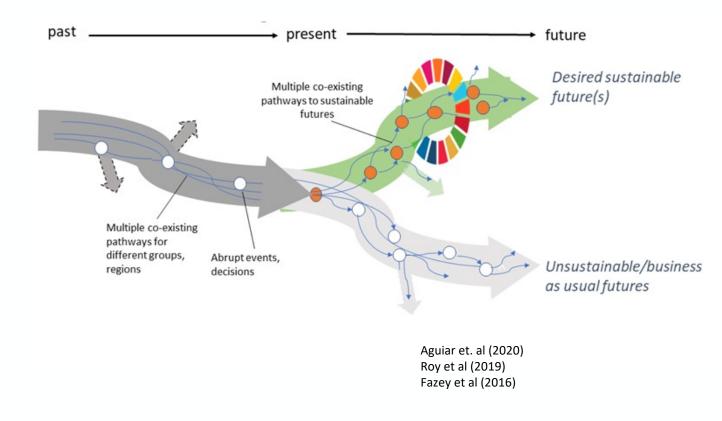
Source: Sachs et al., 2019, Nature Sustainability 2: 805–814
See also: TWI2050 Report 2018 http://pure.iiasa.ac.at/id/eprint/15347/

Comments by Elmar Kriegler, PIK

# Sustainable development narratives matter for scenario building



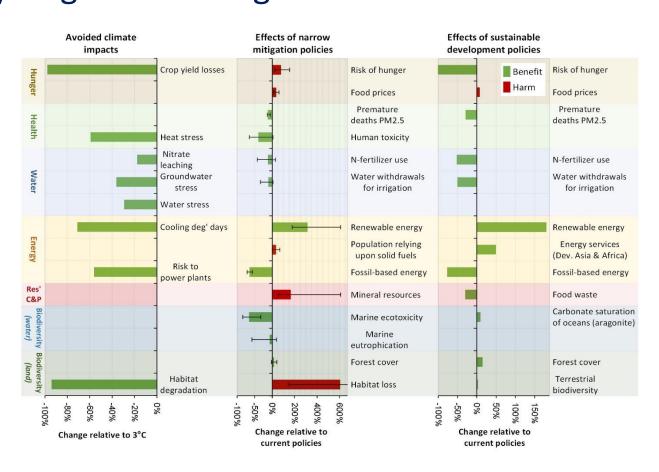




Scenarios help to organize and coordinate our thinking (society, politics, business, science)



### Embedding climate mitigation in broader set of SD goals helps to exploit synergies and mitigate trade-off



Illustrative mitigation pathway IMP-SP based on

Soergel et al., Nature Climate Change 11, 2021, 10.1038/s41558-021-01098-3.