

Overview of Chapter 17 of Sixth Assessment Report of IPCC

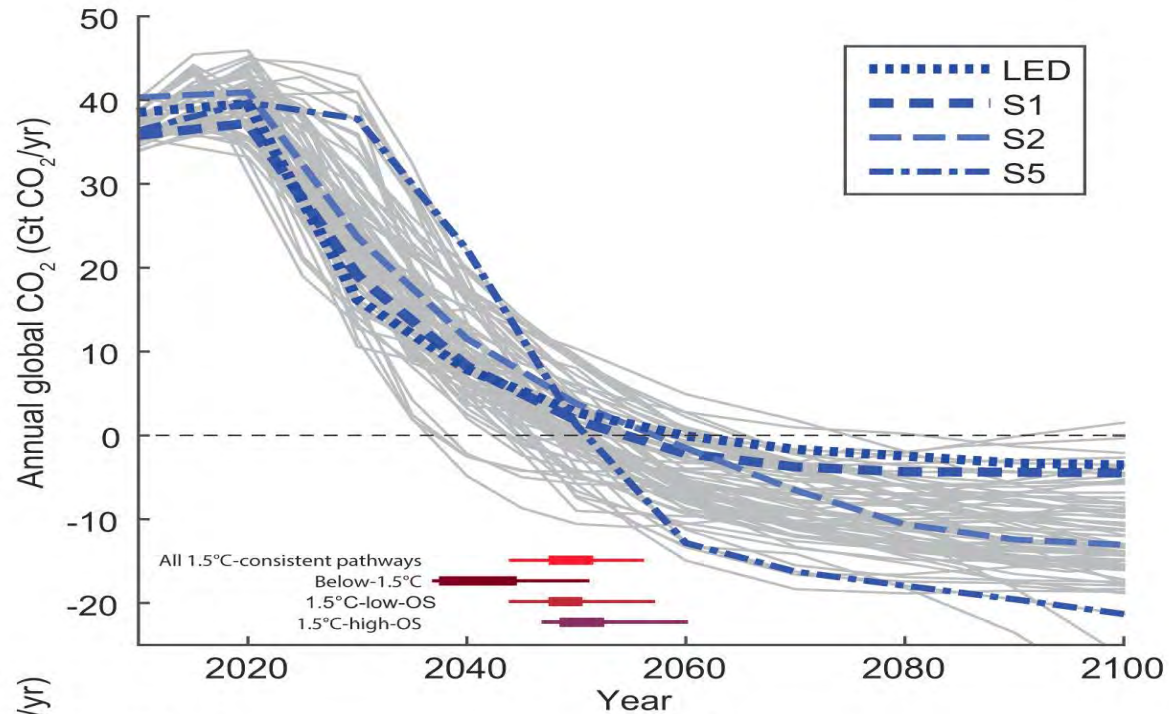
**Accelerating the transition in the context of sustainable
development**

**Dr. Joni Jupesta
Senior Researcher**

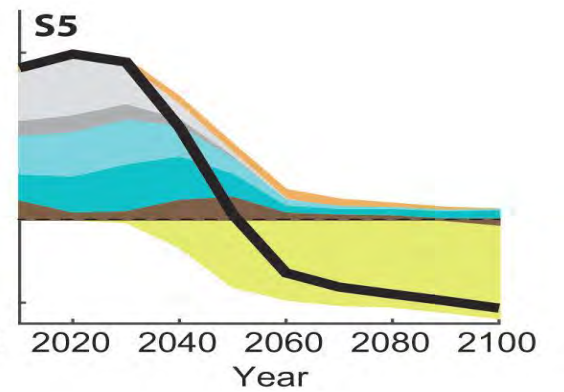
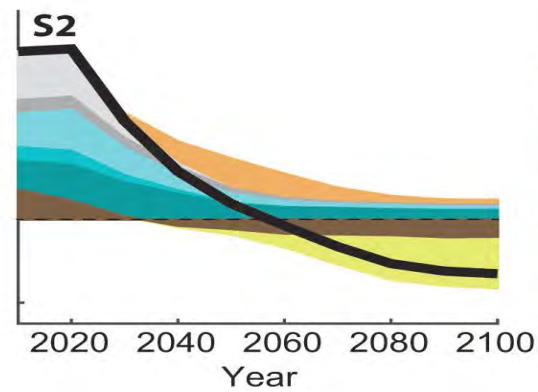
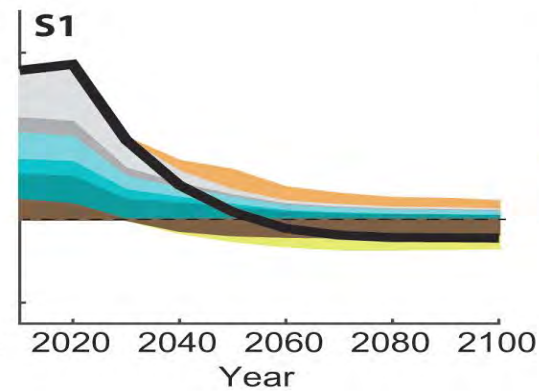
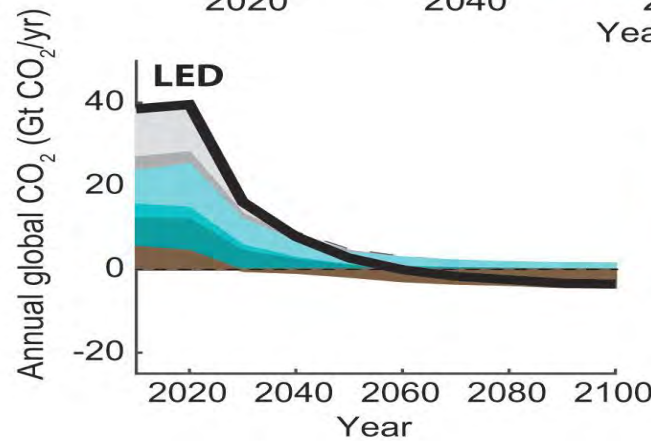
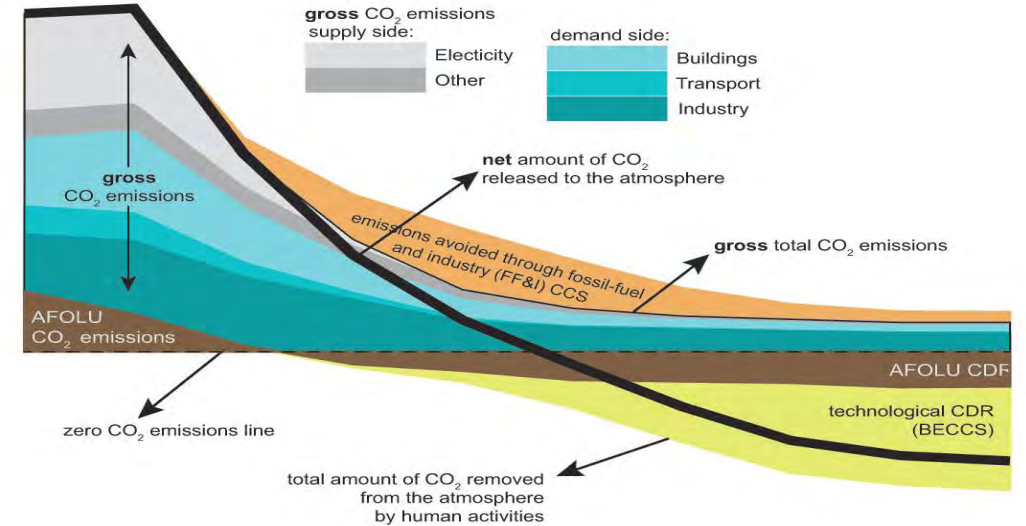
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Mitigation Pathways Compatible with 1.5°C in the Context of Sustainable Development



LEGEND: EMISSION CONTRIBUTIONS



Sustainable development is critical to accelerating a low carbon transition



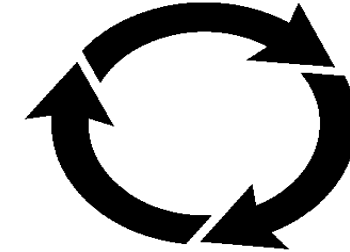
Theories

Current Unsustainable

Drivers/Enablers

Future Sustainable

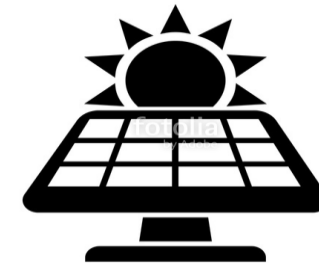
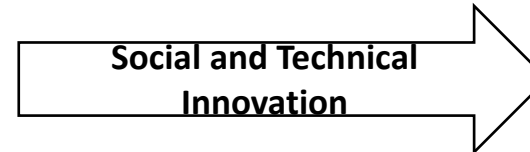
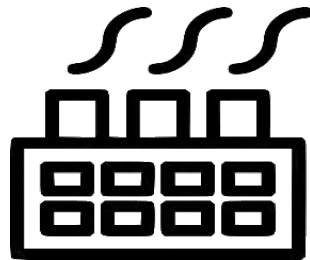
Economic



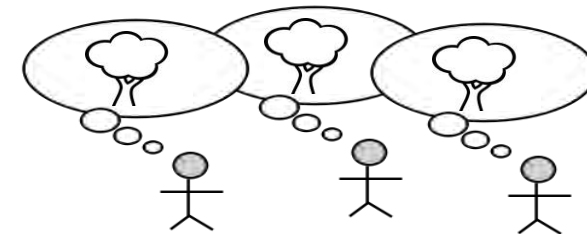
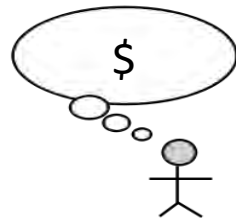
Governance



Innovation

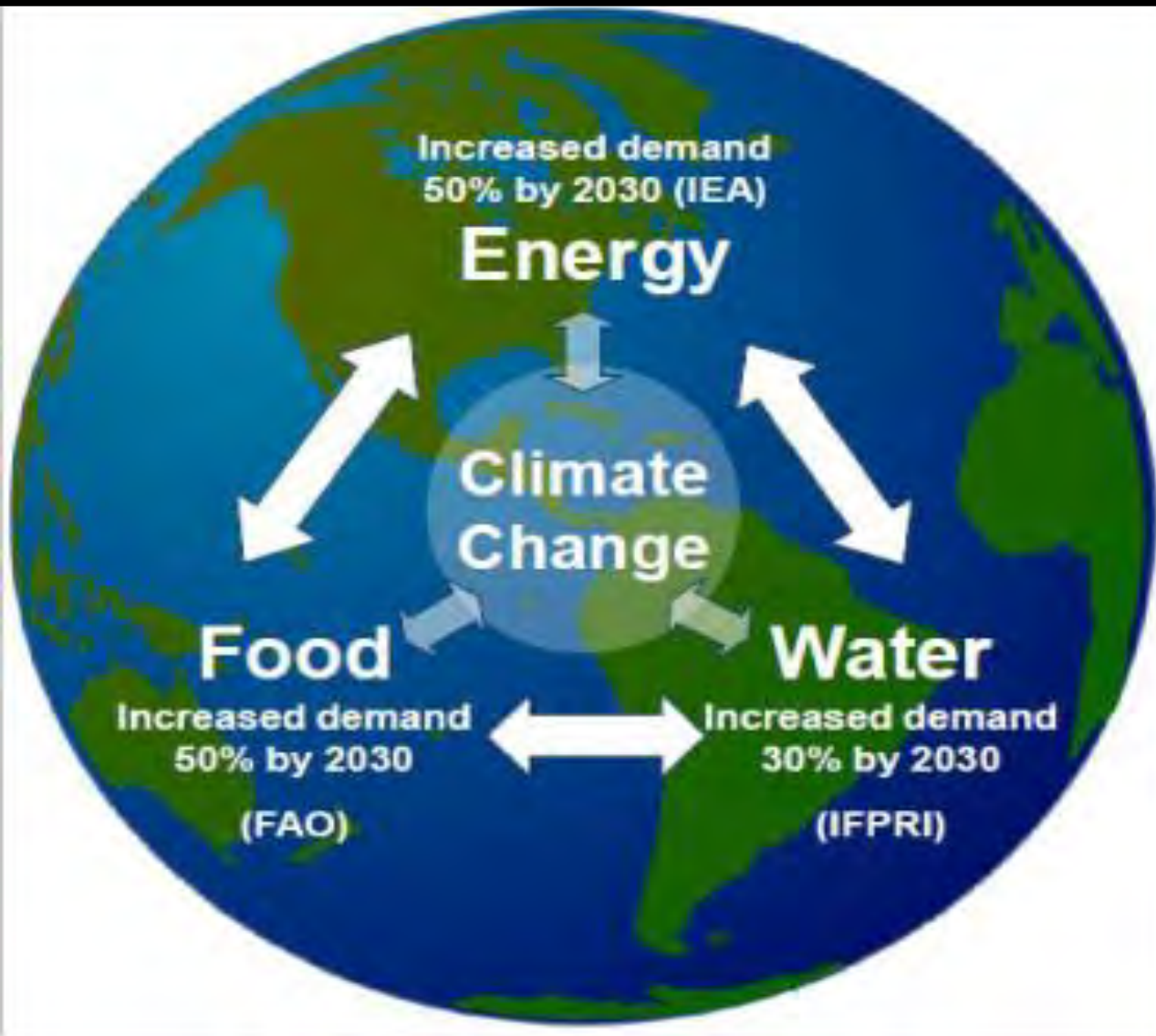


Psychology



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Sectoral Integration



Social Inclusion



Case studies

- Cross-sectoral activities : Digitalization
- Circularity: Food Waste
- Energy: renewables and fossil fuels phase out
- Agriculture, food and land use
- Water
- Cities: urbanization, city planning, low carbon cities
- Infrastructure and transportation
- Stranded assets
- Social movements and education

Conclusions

1. Rarely a single factor promoting/preventing a transition but several factors
2. Factors range from
 1. Technological and social innovation;
 2. Shifts in markets, policies and governance arrangements;
 3. Changes in belief systems and market forces
3. Transitions follow context-specific trajectories