



Live more,
Bank less

Climate Risk Management

What is it about and how to manage this?

*For the 8th seminar – Trends and Opportunities for Green and Sustainability-link loan -
A Banking Perspective*

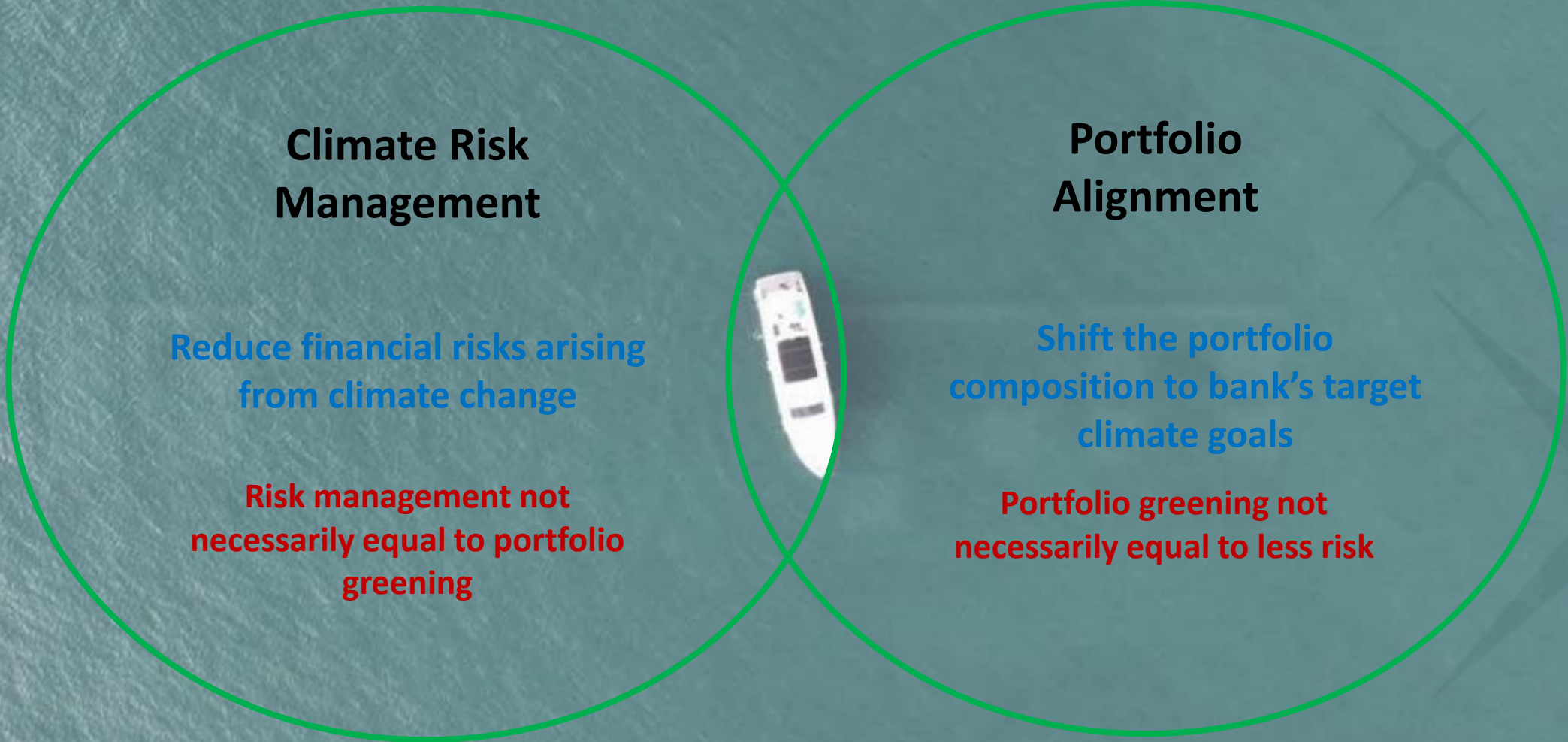
*Organised by the Center of Economic Sustainability & Entrepreneurial Finance (CESEF)
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**2-way relationship with climate –
Changing climate will affect banks’ portfolio, while Banks’ lending also affects the climate**



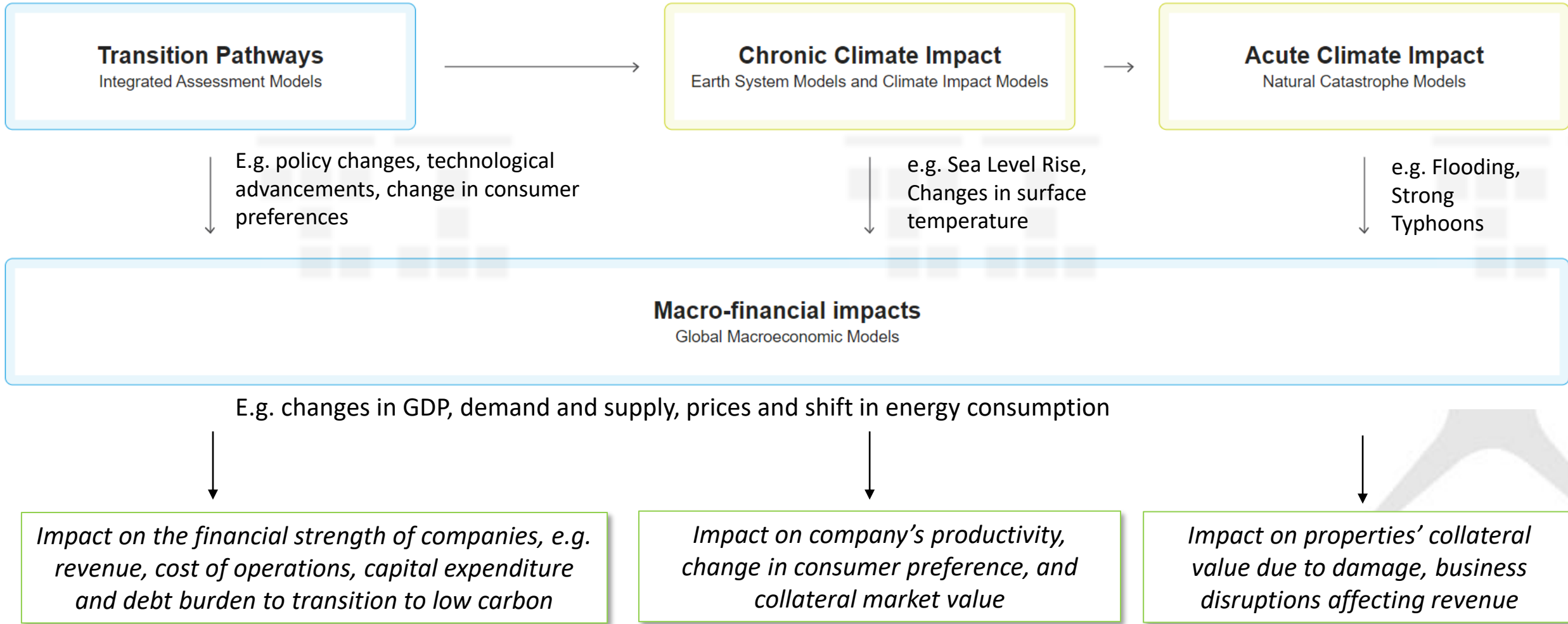
Climate Risk manifests itself in mainstream risk types



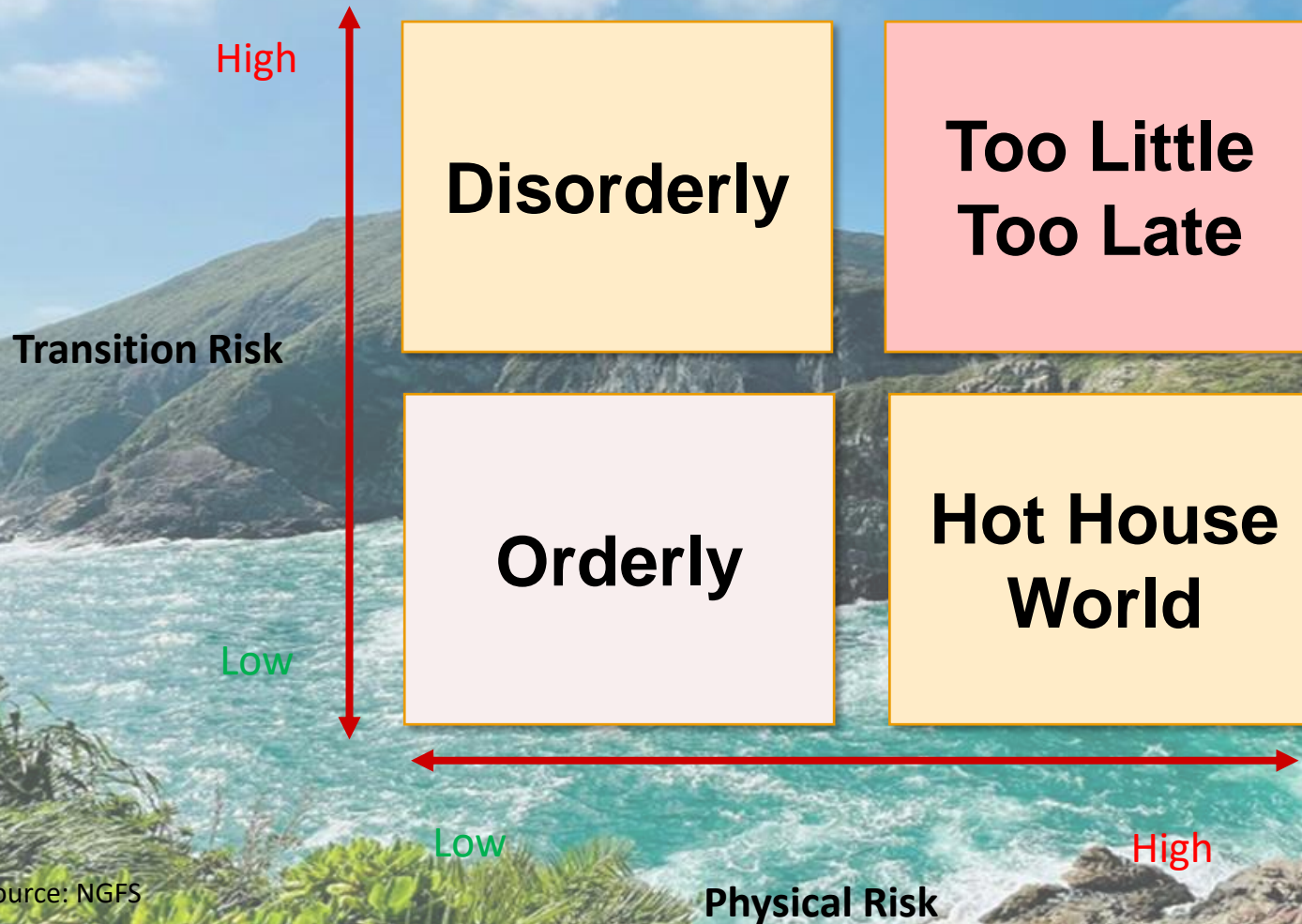
Transition Risk & Physical Risk

Transition risks

Physical risks



Scenario Analysis is one of the widely used tools to assess the potential financial impacts under predefined climate scenarios



Scenario Pathways

Delayed Transition (Disorderly)

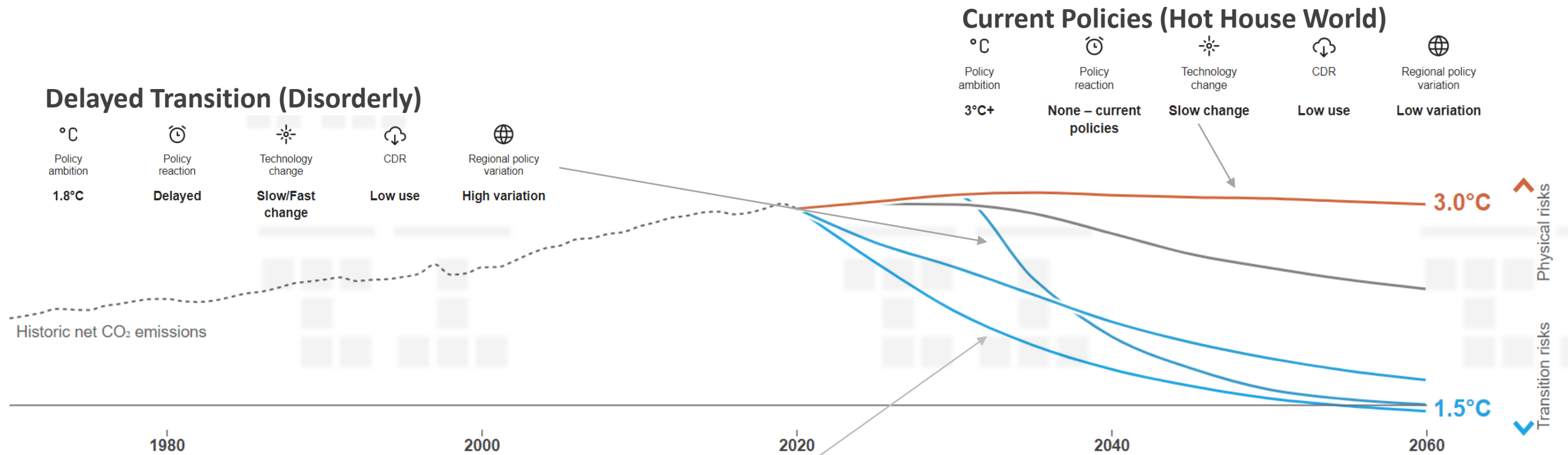
- °C: 1.8°C
- Policy ambition: 1.8°C
- Policy reaction: Delayed
- Technology change: Slow/Fast change
- CDR: Low use
- Regional policy variation: High variation

Current Policies (Hot House World)

- °C: 3°C+
- Policy ambition: 3°C+
- Policy reaction: None – current policies
- Technology change: Slow change
- CDR: Low use
- Regional policy variation: Low variation

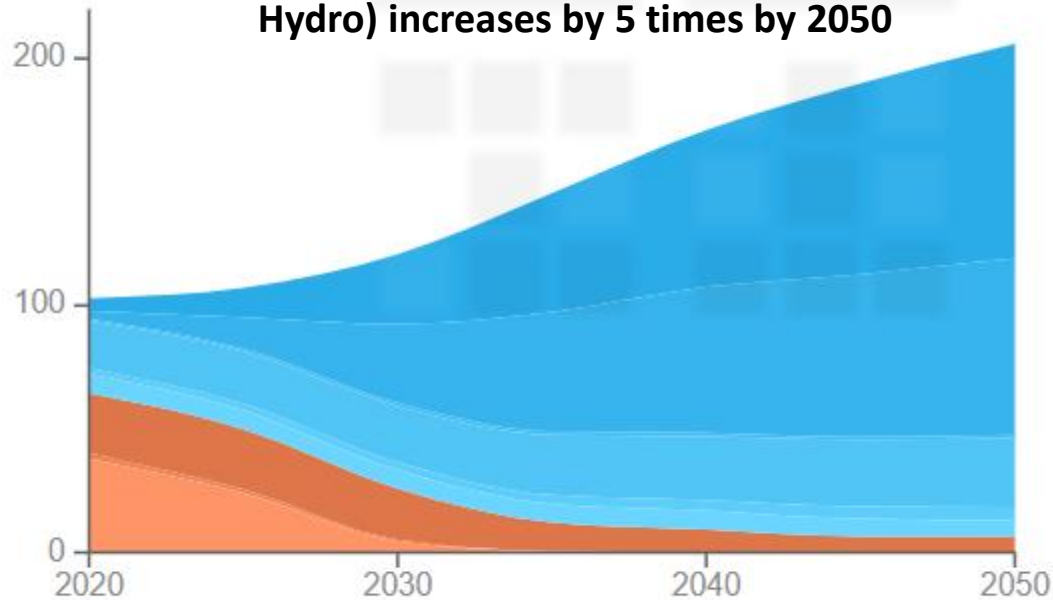
Net Zero 2050 (Orderly)

- °C: 1.5°C
- Policy ambition: 1.5°C
- Policy reaction: Immediate and smooth
- Technology change: Fast change
- CDR: Medium use
- Regional policy variation: Medium variation



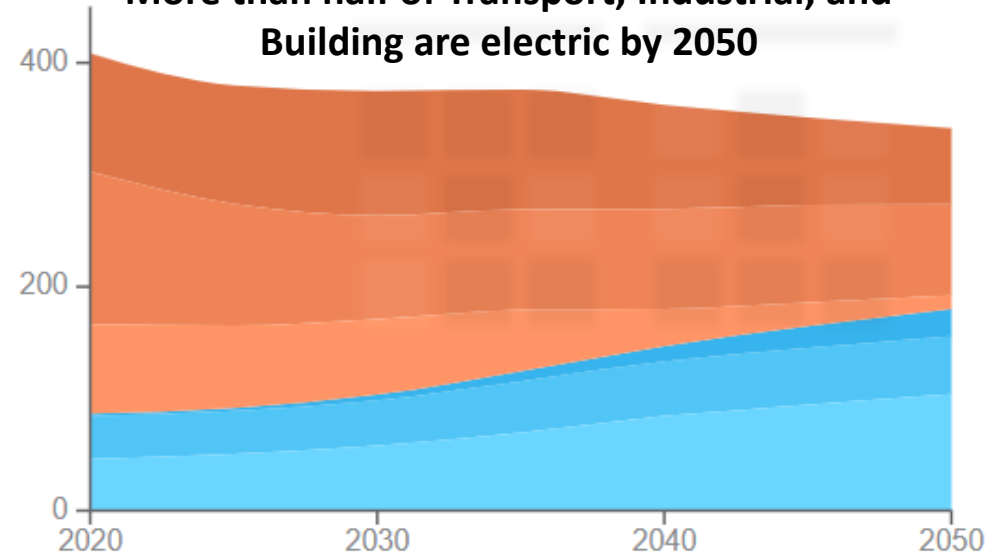
Reaching Net Zero by 2050

Electricity from Renewables (e.g. Wind, Solar, Hydro) increases by 5 times by 2050



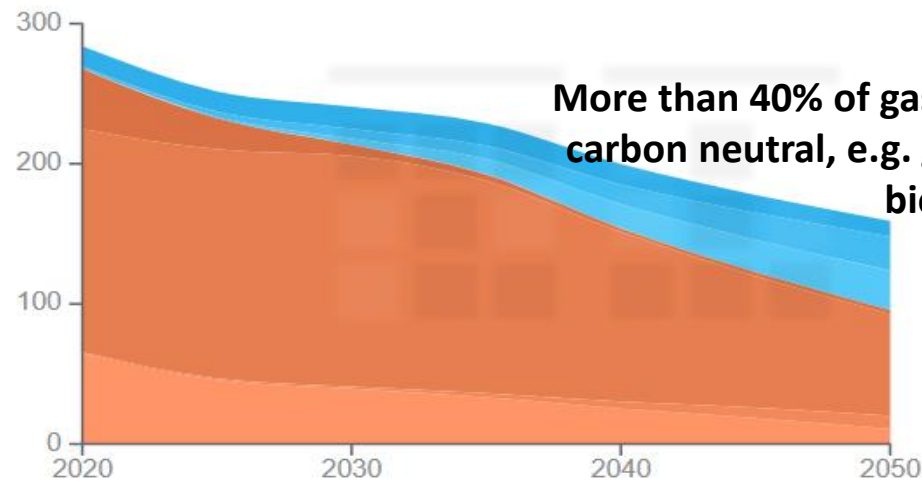
Electricity generation in EJ per year

More than half of Transport, Industrial, and Building are electric by 2050



Electricity and other fuel demand in EJ per year

More than 40% of gas, liquid and solid fuels are carbon neutral, e.g. green hydrogen, biomass, bioliquids



Gaseous, liquid and solid fuel production in EJ per year



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Q & A
Thank you!