



Ministry of Defence

# James Clare

## Climate Change & Sustainability



# The Journey So Far .....



# Reminder - Who is the CC&S Team

A Head Office team leading Defence's approach on all climate change, climate security and sustainability related activity.

- We catalyse cross Defence activity, preserving military capability while accelerating the Department's approach to climate change and sustainability
- We cohere and sponsor climate change and sustainability work taking place across Defence and ensure delivery of new activity
- Created following the Strategic Approach into Climate Change & Sustainability



Ministry of Defence  
Climate Change and  
Sustainability Strategic  
Approach



# What did the Strategic Approach set out to do?

- Deliver on three core ambitions for 2050:
  - Defence has adapted to be able to fight and win in ever more hostile and unforgiving physical environments.
  - Defence has reduced its emission and increased its sustainability activity and as a department is contributing to the achievement of the UK legal commitment to reach our net zero emissions by 2050.
  - Defence acts and is recognised as a global leader in response to the emerging geopolitical and conflict-related threats that are exacerbated by climate change.

**Preserving and enhancing our Operational Capability is critical**

# How are we Embedding Sustainability into Defence ?



# We are driving CC&S across Defence through five priorities



**1) Integration of Climate Risk and Ownership** - Clarity on the risks to Defence from Climate Change depends on a structured and consistent approach to analysis across the Defence Enterprise.



**2) Respond to the Security Implications of Climate Change** - Ensuring Defence retains its operational advantage means incorporating climate security considerations into the Defence Strategy and the Defence planning cycle.



**3) Identify and Deliver the Departmental Contribution to Net Zero** - The UK's Net Zero Strategy places policy commitments on Defence.



**4) Develop Appropriate Skills, Training and Culture** - A common approach to building CC&S literacy across the Whole Force



**5) Build Functional Enablers & Toolsets** - Normalising climate sustainability considerations into Defence will require an evolution in functional policies, processes and standards.



# Climate Risk

- The potential impacts of climate change are not only to do with the physical effects on people and the environment (acute/chronic), but also to do with the effects of the transition to a changing climate and the adaptation and mitigation responses involved.
- Climate change risks should be assessed with the same rigour as any other strategic risk
- Climate change risks should not be considered in isolation and should be clearly integrated into the MOD's future strategy.
- Climate change may be a risk multiplier and has the potential to radically change the scale, locations, complexity and nature of MOD's work.

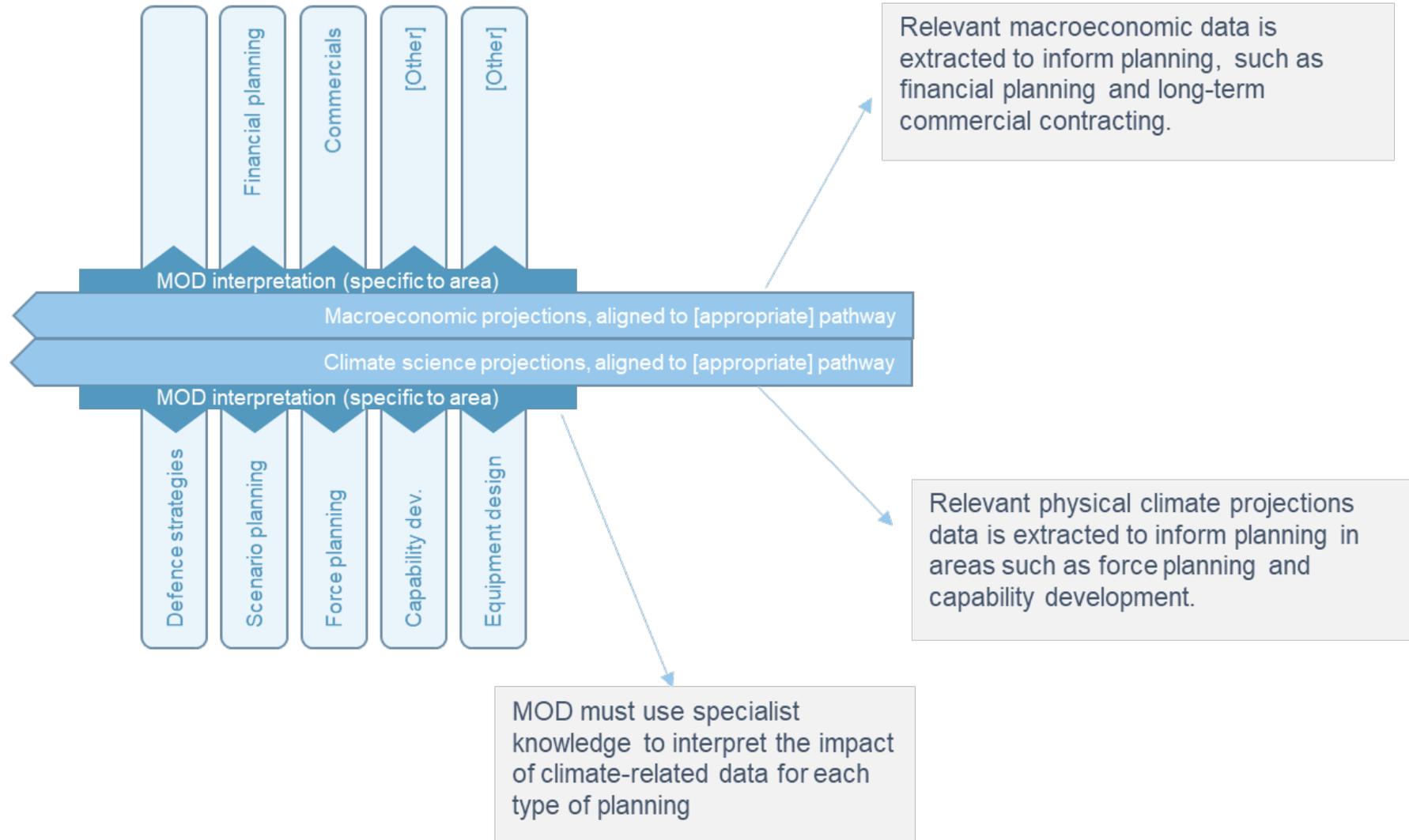


Our Thinking has moved on

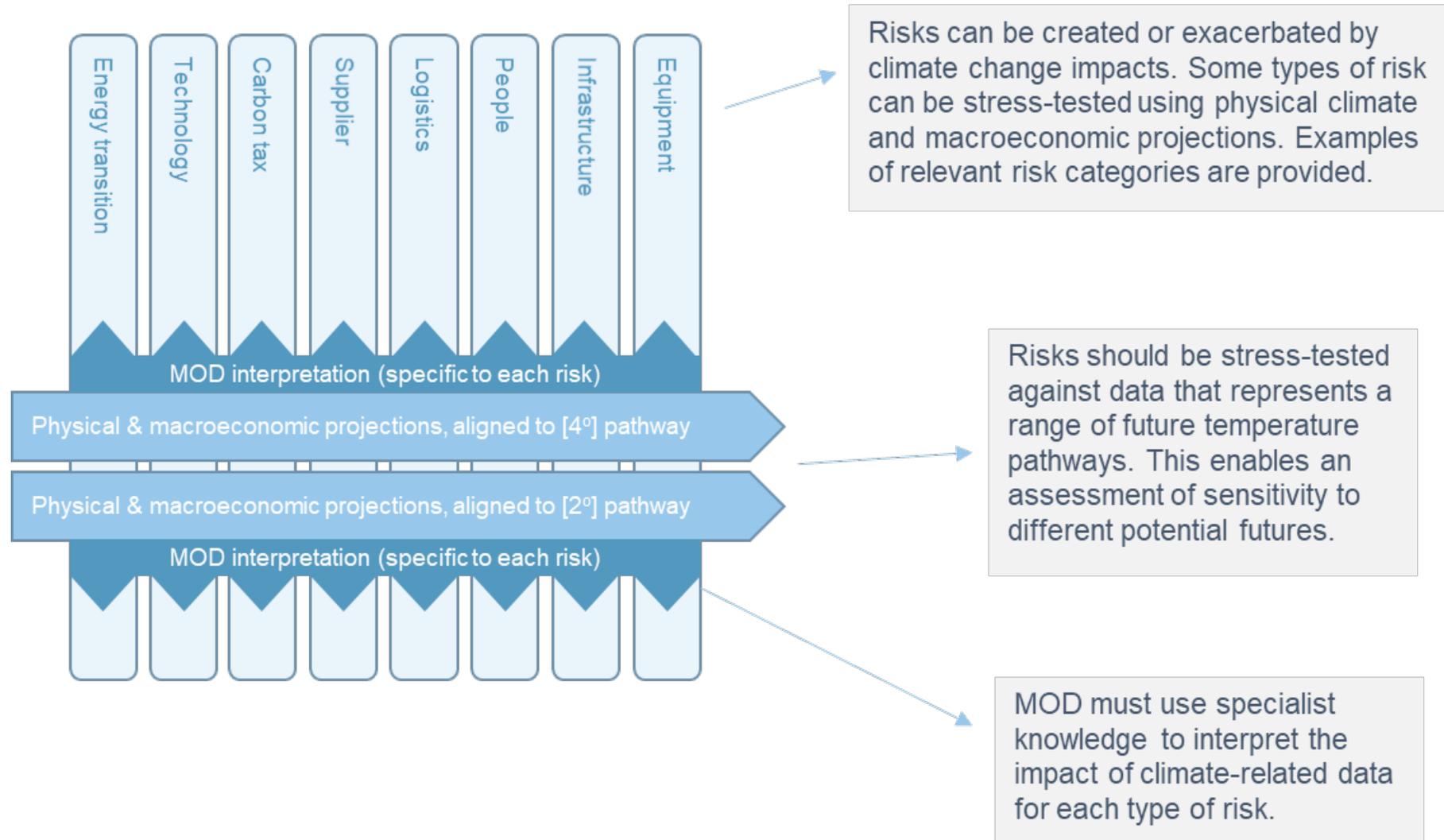
# Defence Faces a Myriad of Risks Linked to Climate Change



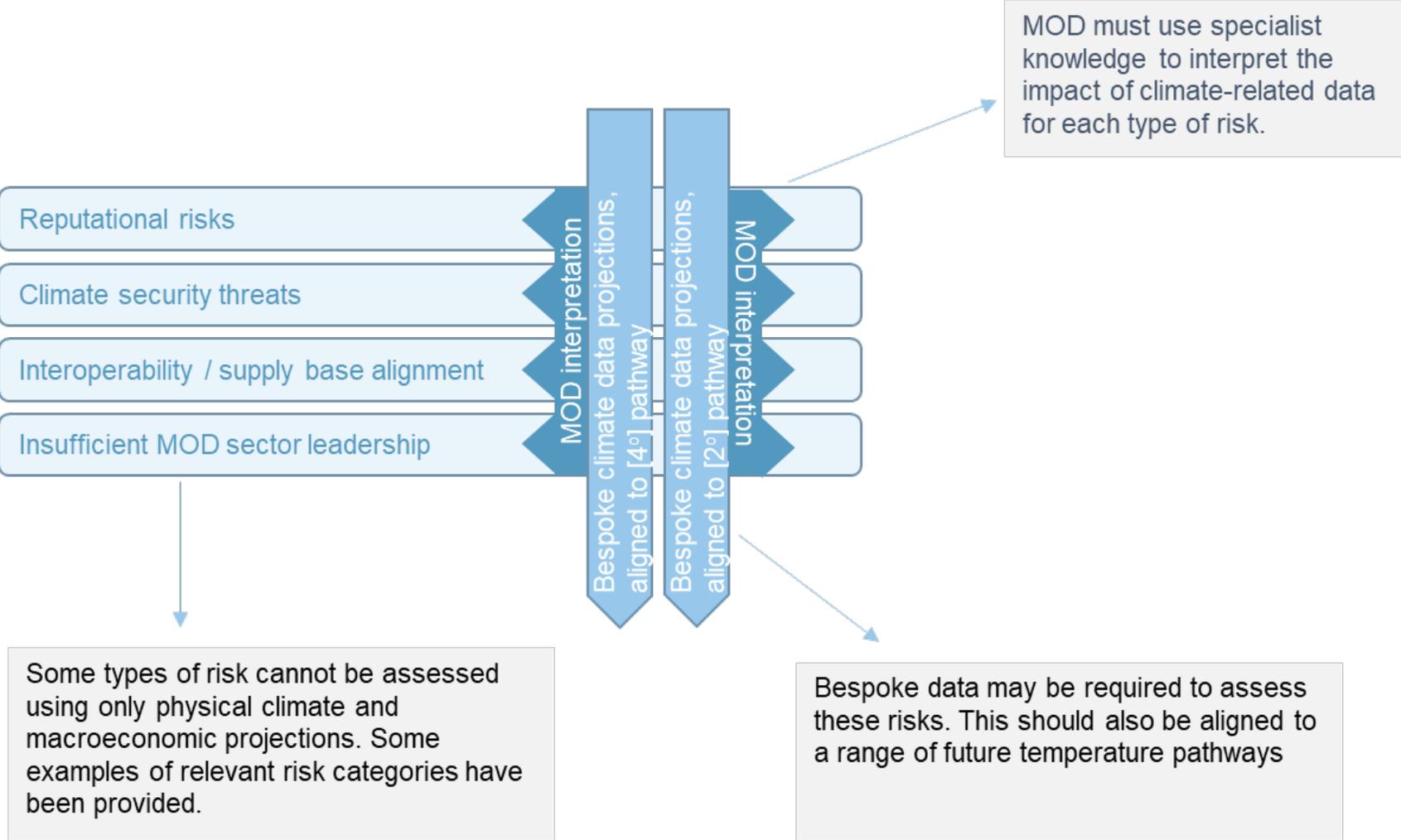
# Use case 1: Integrating climate-related data and projections into the MOD's planning processes



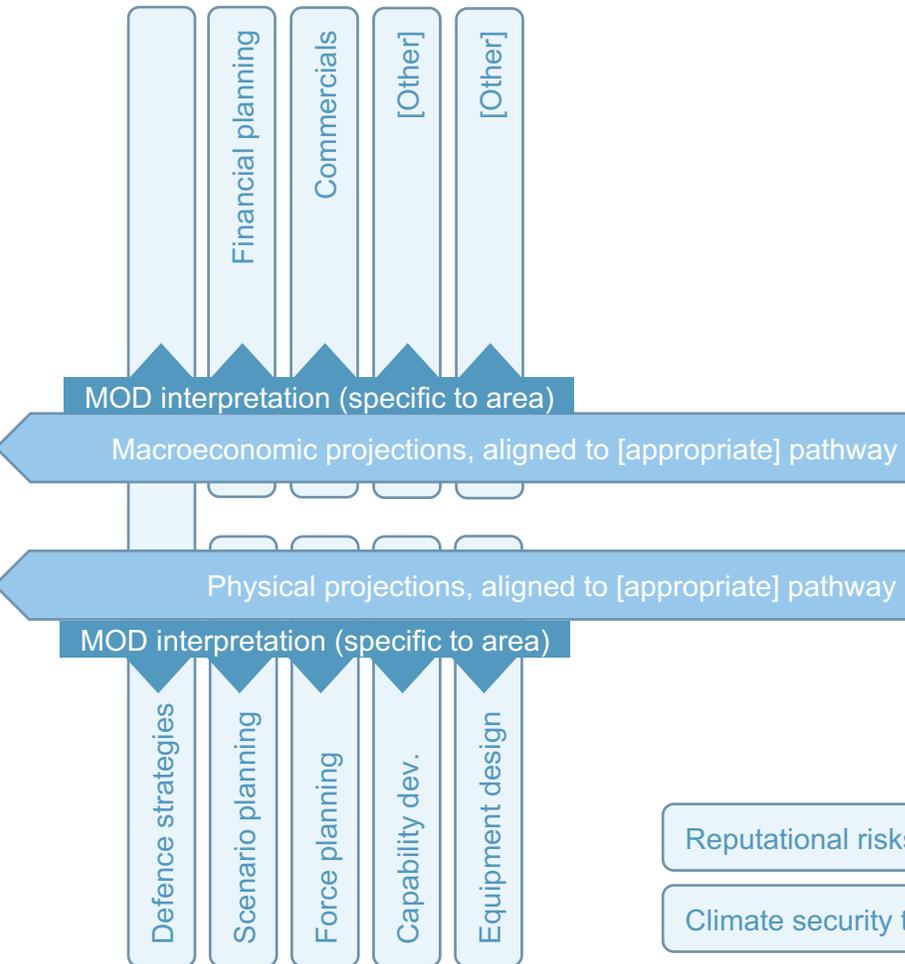
## Use case 2: Conventional Climate Risks Stress-testing resilience to physical and transition climate change risks



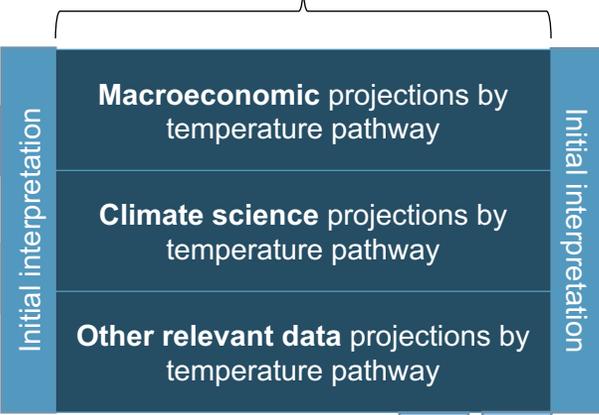
# Use case 3: Non Conventional. Stress-testing the impact of climate change risks which are not suited to traditional climate projection analysis



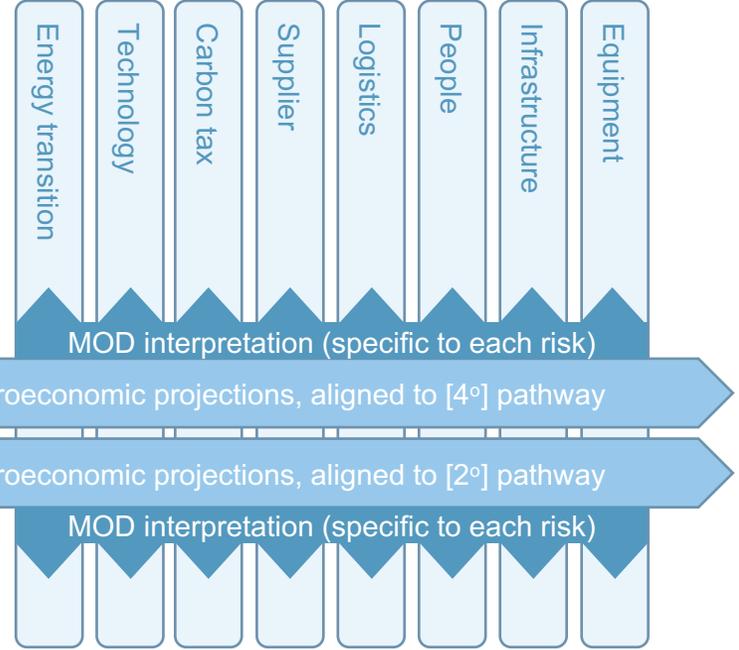
**1. Climate-informed planning:** integrating climate change projections into planning



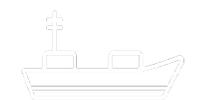
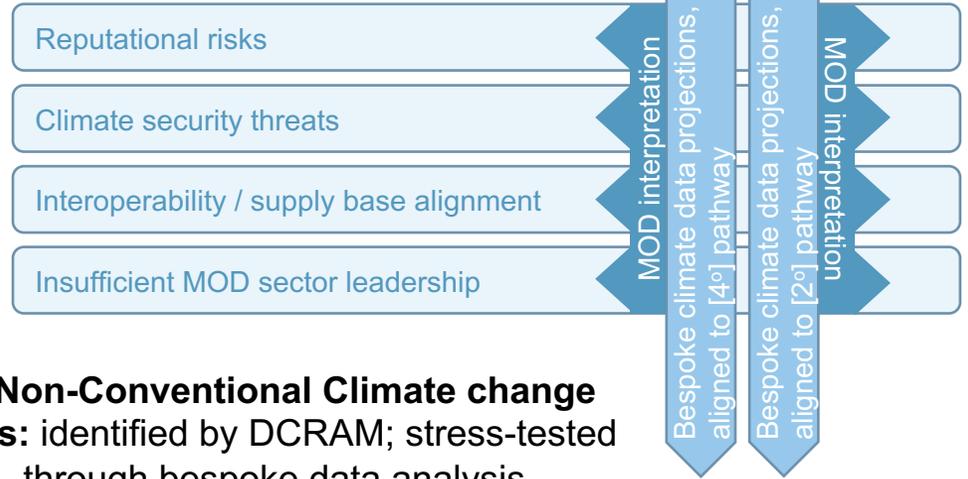
**Assured data sources (now – 2080)**



**2. Conventional Climate Change Risks:** identified by DCRAM; stress-tested through climate scenario analysis



**3. Non-Conventional Climate change risks:** identified by DCRAM; stress-tested through bespoke data analysis



# Future Energy Considerations

