

AN URGENT NEED FOR A PARADIGM SHIFT IN POLICY MAKING

Ensuring sustainability and disaster mitigation in transport
policies

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What we know

What is about to happen?

Global surface temperature will continue to increase until at least the mid-century under all emissions scenarios

Many changes in the climate system become larger in direct relation to increasing global warming

Many changes due to past and future greenhouse gas emissions are irreversible for centuries to millennia

How to mitigate?

Limiting human-induced global warming by limiting cumulative CO₂ emissions, along with strong reductions in **other greenhouse gas** emissions

Very low or low GHG emissions lead within years to discernible effects on greenhouse gas and aerosol concentrations

Very low and low GHG emissions would lead to substantially smaller changes in a range of CIDs

What we do not know

Aviation perspective:

- Weather extremes to affect operations
- Changing travelling habits to affect routes and destinations
- CO₂ ≠ GHG



We need a paradigm shift
to cope

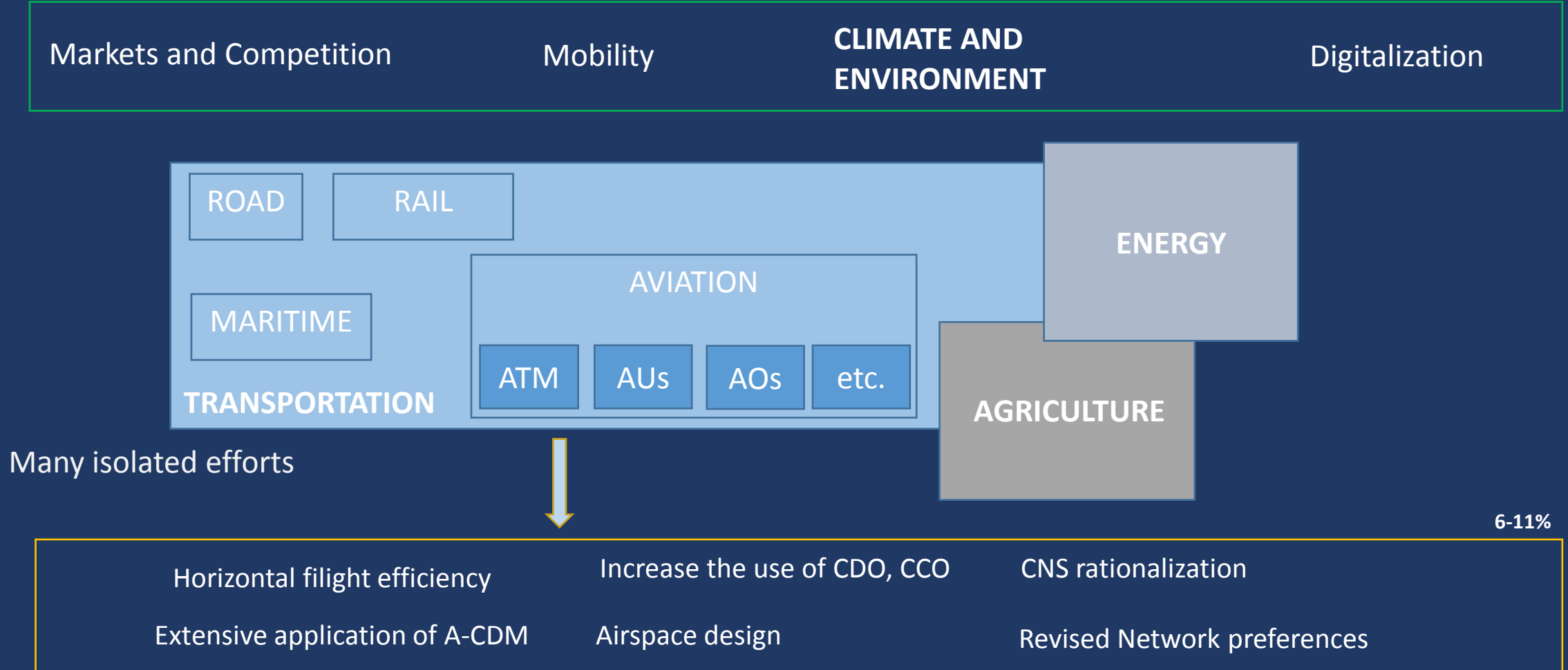
How do we cope? - Aviation



STILL TO BE ADDRESSED

- Nice objectives without consequences
- Emission as a commodity – a moral license to pollute?
- Non CO2 emissions and effects: weak policies
- Setting realistic targets to be really achieved
- Techno-optimism driving policies
- Missing responsibilities
- Interdependencies not acknowledged
- Relevant principles of EU law not observed

High levels of complexity cannot be addressed by isolated solutions



Addressing complexity

HOLISTIC APPROACH

CLEAR VALUE CHOICES

CONSISTENCY

FACT BASED

CLEAR VALUES

CLEAR OBJECTIVES

CLEAR CHOICES

CLEAR PRIORITIES

NO HARM PRINCIPLE

CROSS SECTORAL

EFFECTIVE

RELIABLE

POLLUTER PAYS PRINCIPLE

CLEAR PRIORITIES

TRANSPARENT

FACT BASED

HARMONISED

REALISTIC

PRECAUTIONARY PRINCIPLE

AVOID TECHNO-OPTIMISM

MULTIMODAL

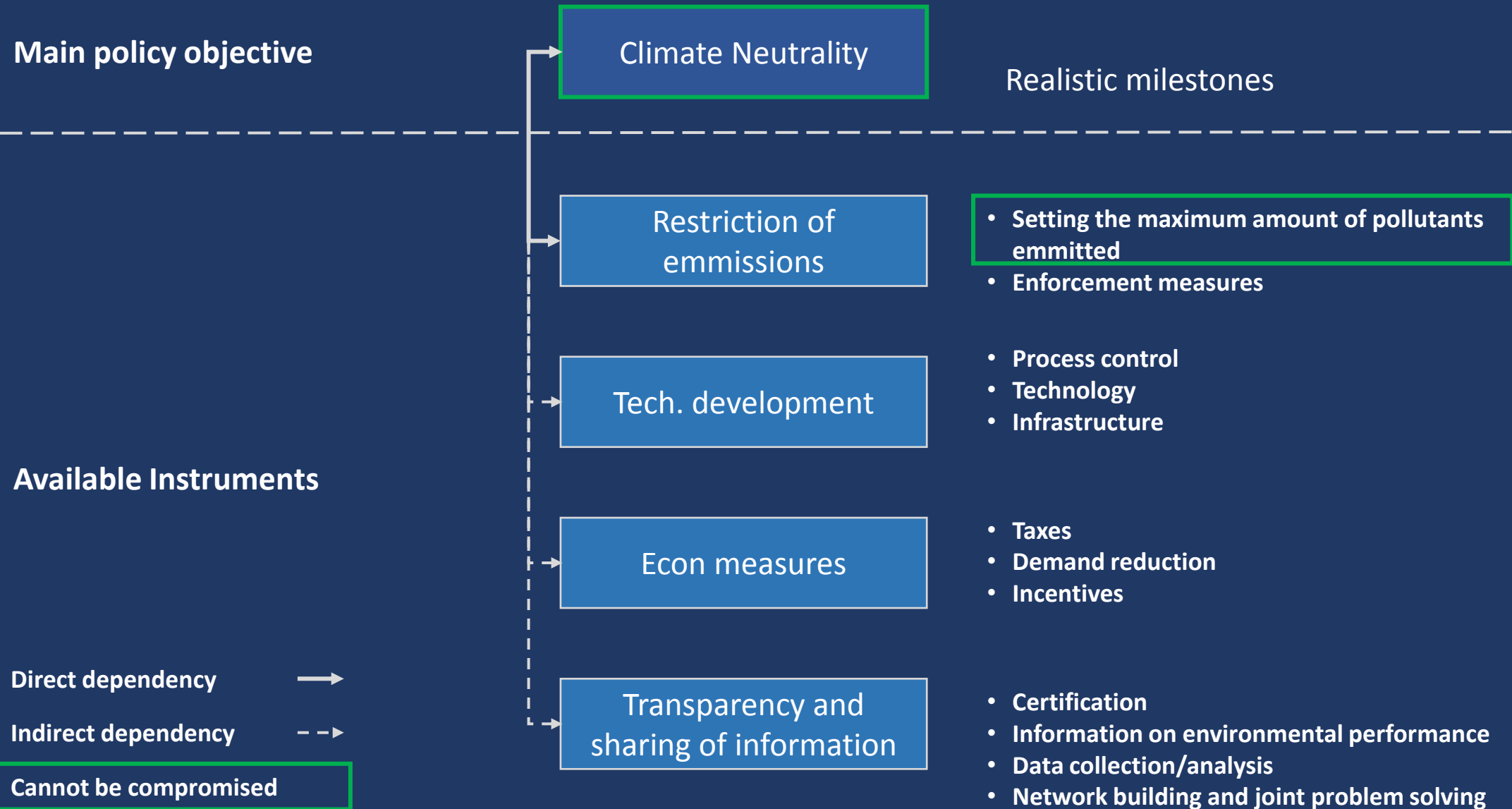
ENFORCEABLE

NON-CO2

CLEAR RESPONSIBILITIES

EVIDENCE BASED

Possible Solution



Thank you for your attention!