

Background

- COP21 → general consensus that transition to low/zero-carbon economy is essential
- Transition to a low-carbon economy will involve changes affecting various actors/groups of actors
- Transition to a low-carbon economy has the potential to improve quality of life and to contribute to a more sustainable, resource-light economy
- Poorly managed transition could affect various actors unequally leading to public backlash, social upheaval and even greater inequality
- It is widely recognised that transition to low carbon economy needs to address existing inequalities and avoid generating new inequalities



Background

- The Paris Agreement – *Preamble*

'Taking into account the imperatives of a **just transition of the workforce and the creation of decent work and quality jobs** in accordance with nationally
defined development priorities

Acknowledging that climate change is a common concern of humankind, Parties should, when taking action to address climate change, respect, promote and consider their respective obligations on human rights, the right to health, the rights of indigenous peoples, local communities, migrants, children, persons with disabilities and people in vulnerable situations and the right to development, as well as gender equality, empowerment of women and intergenerational equity,'



Why is inequality a problem?

Inequalities in terms of

- Wealth and income
- Health
- Access to employment
- Access to social participation and democratic processes
- Access to new technologies and finance
- Quality of the environment and impacts of climate change

Leading to

- Eroding of social cohesion
- Increase in social polarisation
- Mass unemployment



Leading to

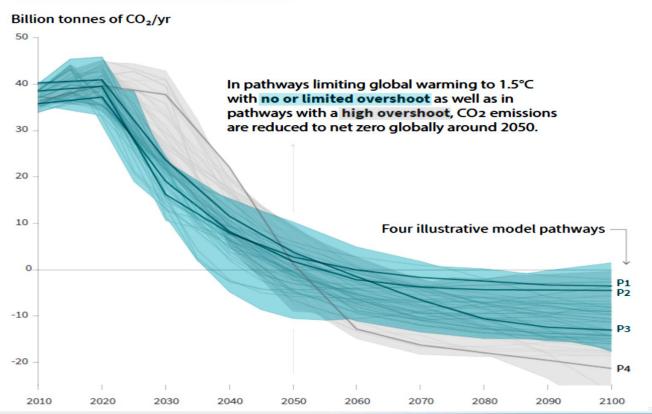
- Challenges for the stability of communities and nations
- Involuntary migration



World Economic Forum (2017) *The Global Risks Report 2017*, http://www3.weforum.org/docs/GRR17 Report web.pdf

Transition pathways limiting global warming to 1.5 C

Global total net CO2 emissions



Source: IPCC SR1.5, 2018



Inequalities of transition

Transition to low-carbon economy

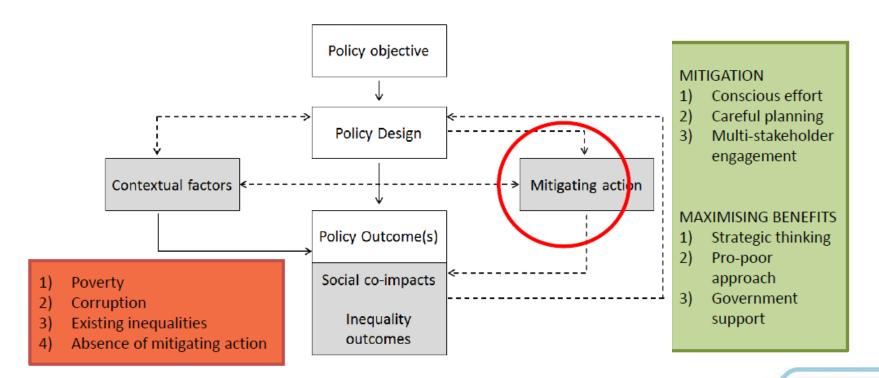
- Recalibration of the existing economic, energy and industrial agendas
- Decline in carbon-intensive industries
- Some business models will be radically altered (e.g. power sector, construction)
- Some occupations and business models will be eliminated or diminished (for e.g. coal mining, refineries)
- Changes in land use

Implications for Inequalities, including

- Income disparity
- Wealth disparity
- Health inequality
- Ethnic inequality
- Unequal access to opportunities
- Gender inequality and gendered patterns of employment
- Environment and climate



Overview of methodology





Factors influencing the extent and direction of

Overview of methodology

Policy measure Potential equality outcome(s)

Overall

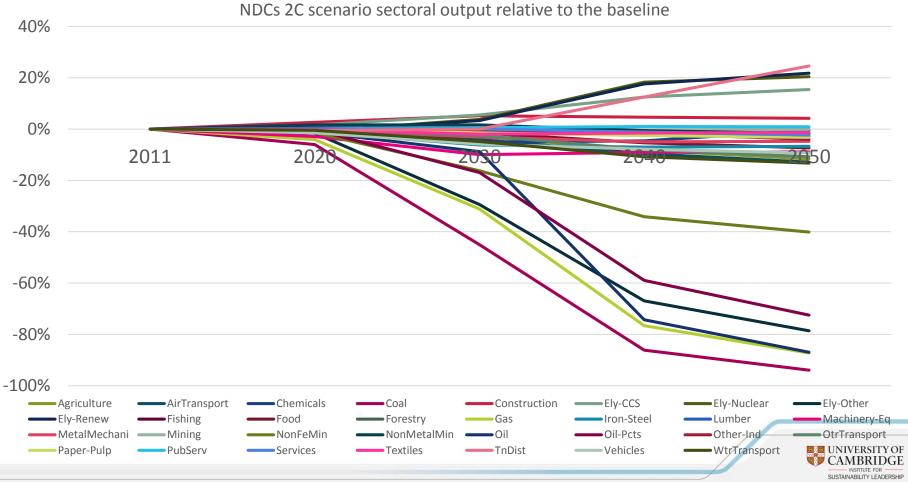
policy objective		Health	Wealth/ income	Gender	Ethnic	Risk of conflict	impacts
energy	Programmes to improve energy efficiency in homes	$\uparrow \downarrow$	$\uparrow \downarrow$	↑		Low	Targeting of fuel poor and low-income households can maximise co-benefits; policy design and quality of home improvements important to avoid adverse outcomes, such as health problems and growing cost of electricity
	Removal of fossil fuel subsidies	$\uparrow \downarrow$	\	$\uparrow \downarrow$		Low	Mechanisms for compensating vulnerable consumers for potential losses to reduce regressive distributional impacts
	Improved public transport networks	↑	↑	↑	↑	Low	Consultation at planning stage to ensure that the proposed changes address the transport needs of the poor without creating cost barriers
	Improved modal choice	↑	$\uparrow \downarrow$			Low	Important to ensure that public funds are used to provide improved choices also for the poorest

Preliminary ICES results for Brazil

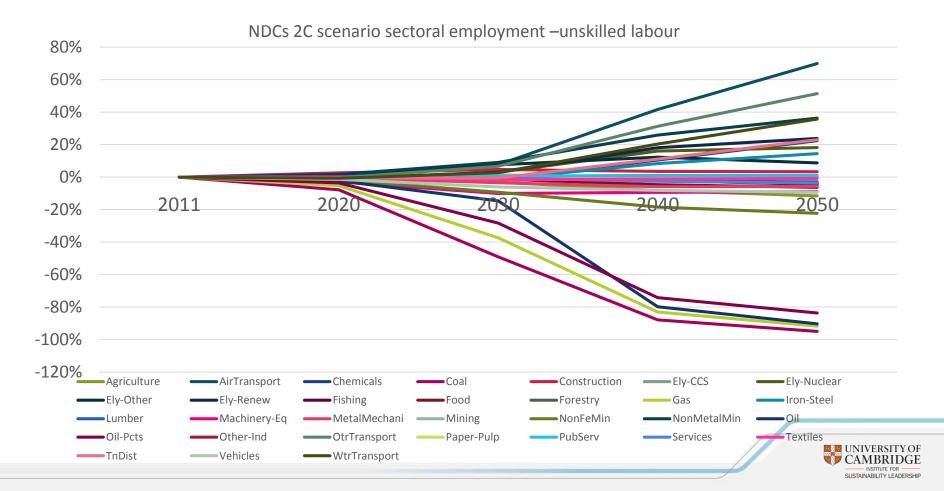
Energy Intensity of GDP		
	2010-30	2030-50
NDC Ambition to 2C	-36%	-54%
Accelerated ambition to 2C	-31%	-32%
Carbon Intensity of final energy		
	2010-30	2030-50
NDC Ambition to 2C	-1%	-69%
Accelerated ambition to 2C	-22%	-69%



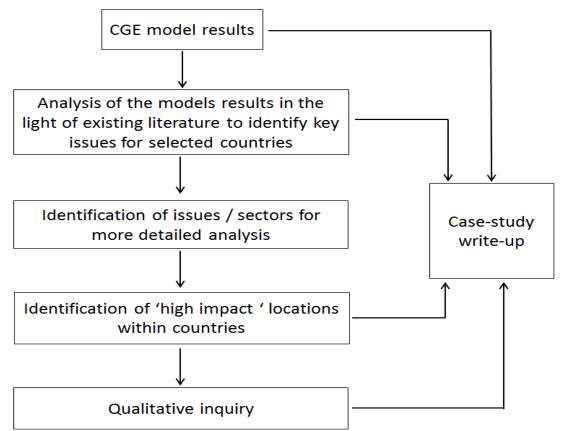
Preliminary ICES results for Brazil



Preliminary ICES results for Brazil



Overview of methodology





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Thank you

