Adaptation without borders:

Understanding indirect climate risk



Albert Salamanca Climate Change, Disasters and Development Cluster Go to www.menti.com and use the code 23 03 5

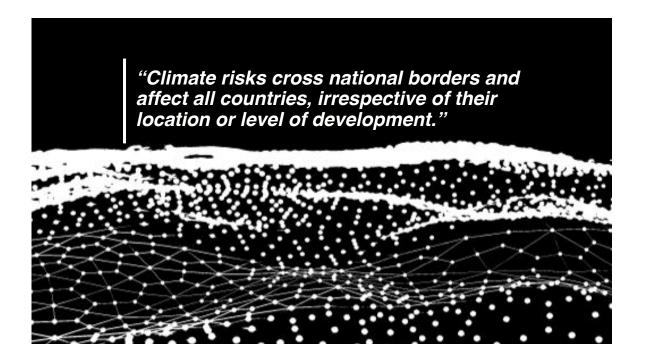
How many years have you been involved in NAP planning and formulation?

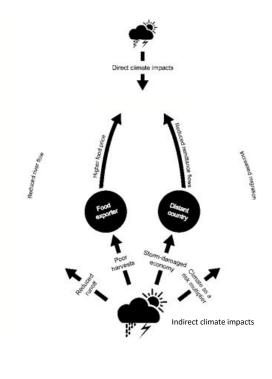


IPCC Definition of adaptation

The process of adjustment to actual or expected climate and its effects. In human systems, adaptation seeks to moderate or avoid harm or exploit beneficial opportunities. In some natural systems, human intervention may facilitate adjustment to expected climate and its effects.

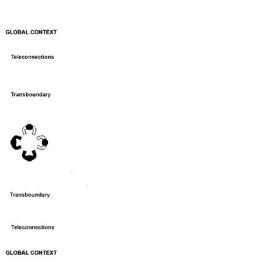






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Pathways of transnational climate risk





How can they be managed? Responses can target different stages of a transboundary climate risk





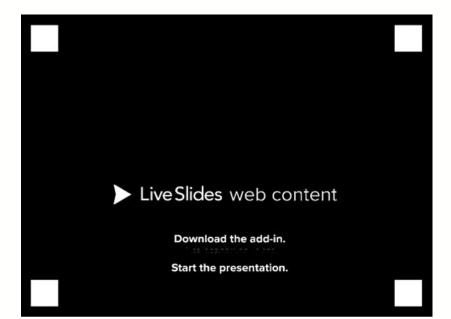
AT SOURCE

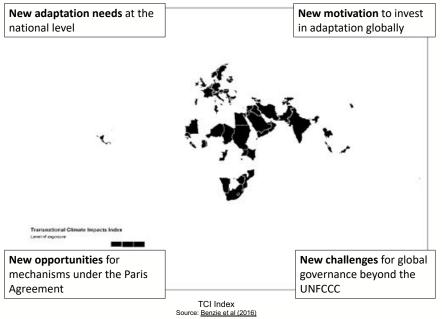
ALONG THE PATHWAY POINT OF IMPACT

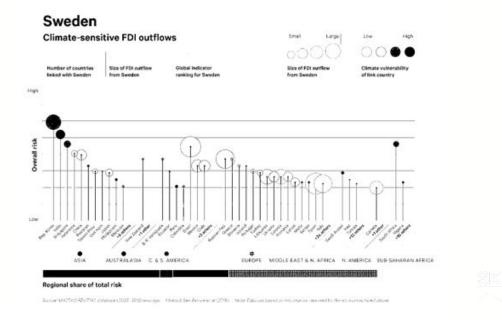


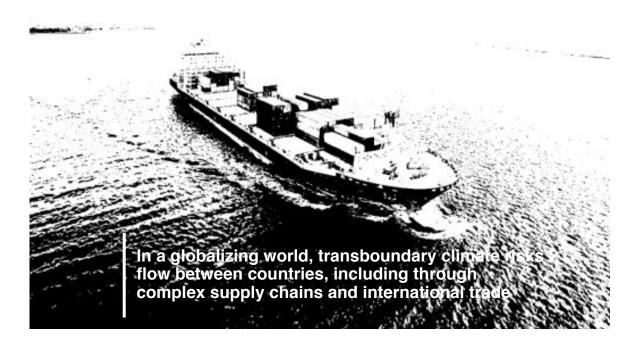
Transnational Climate Impacts Index

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Managing Transboundary Climate Risks

At Origin

Along the Risk Pathway

At Impact



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Managing Transboundary Climate Risks



At Impact



Managing Transboundary Climate Risks

At Origin





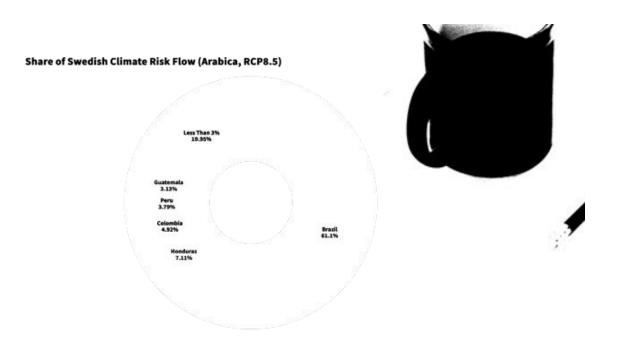
An Assessment Approach

6 Globally Traded Commodities 2 Climate Emissions Scenarios, 3 Time Scales



Import Flow Dependency 232 Producers, 140 Consumers

		Consuming Countries			
•	tries				
	Producing Countries				
	ucing				
	Prod				



- Luxembourg Israel Norway Puerto Rico Saudi Arabia Uruguay Netherlands Latvia Sweden Tunisia Greece Poland Italy
- Italy Morocco Switzerland — Trinidad and Tobago
 - Egypt =

 - Finland India Portugal

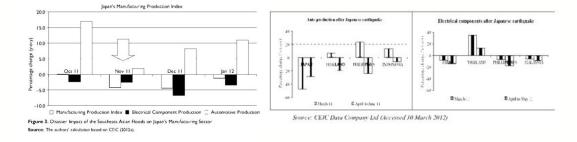
 - Oman
 - Kazakhstan Chile **=**

Brazil

Teleconnections

2011 Thailand Flood

Great East Japan Earthquake 2011





FOOD SECURITY VULNERABLE TO CLIMATE CHANGE

The Singapore Food Agency (SFA) noted that the country's food security is vulnerable to global driving forces and trends, such as population growth, rising urbanisation and incomes, disease outbreaks, resource scarcity and increasingly, climate change.

"Singapore imports over 90 per cent of our food. We are exposed to global price and supply fluctuations as well as threats of food supply disruption and food contamination internationally," said an SFA spokesman.

"These vulnerabilities will become more acute overtime; as global crop and fishery yields are estimated to decline with the changing climate."



Senegal Rice trade flows

Senegal's rice imports Rice price increase before 2008 crisis In Senegal 2008-2009

Small Lingo Line High

43% Pakistan 162% India 233% Thaland 37.3% Theland 16.4% Vietnam

Senagal's rice importa from other countries was 26% botween 2008-13















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The Wilton Park agenda on transboundary climate risk



"Transboundary climate risks are already detectable...

...but managing transboundary climate risk is currently no one's job."

Wilton Park Rapporteur's Report on Transboundary Climate Risk – to be published on Monday







The Wilton Park agenda on transboundary climate risk



"Our vision is that countries provide support and coordinate their adaptation efforts in ways that deliver global public goods, to achieve a resilient world in which all people are secure and can prosper."

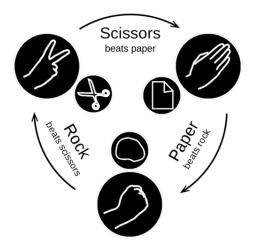
Wilton Park Rapporteur's Report on Transboundary Climate Risk – to be published on Monday







What is your country's transnational climate risk story?







Adaptation without Borders is a new initiative bringing together the research capacities and convening powers of a range of partners to explore the global implications of transboundary climate risks – and to enhance cooperation in meeting the global adaptation challenge.

Convening partners:





- Raising awareness
- Shifting
- perceptionsChanging
- narratives
- Conducting
- research
- Pooling knowledge
- Presenting analysis

• Bridging silos

- Convening
 stakeholders
- stakeholdersForming
- partnerships
- Influencing policyEngaging
- practitioners
- Harnessing
- opportunities

