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OESTE ADAPTA

Planeamento da Adaptação Climática Municipal na Região Oeste

ADAPTATION TO CLIMATE CHANGE - CONTEXT AND INTERNATIONAL EXPERIENCES

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WESTERN NORWAY RESEARCH INSTITUTE
VESTLANDSFORSKING

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Background for my presentation



“Comparative analysis of the adaptation policy landscape in the Nordic region” (Expected May 2023)

- Commissioned by the Nordic Council of Ministers
- December 2022 – June 2023
- WNRI lead, in collaboration with University of Helsinki, Stockholm Environment Institute and Technical University of Denmark

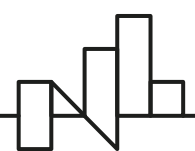
<https://www.vestforsk.no/en/project/comparative-analysis-adaption-policy-landscape-nordic-region>



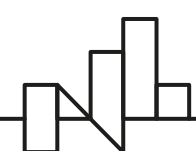
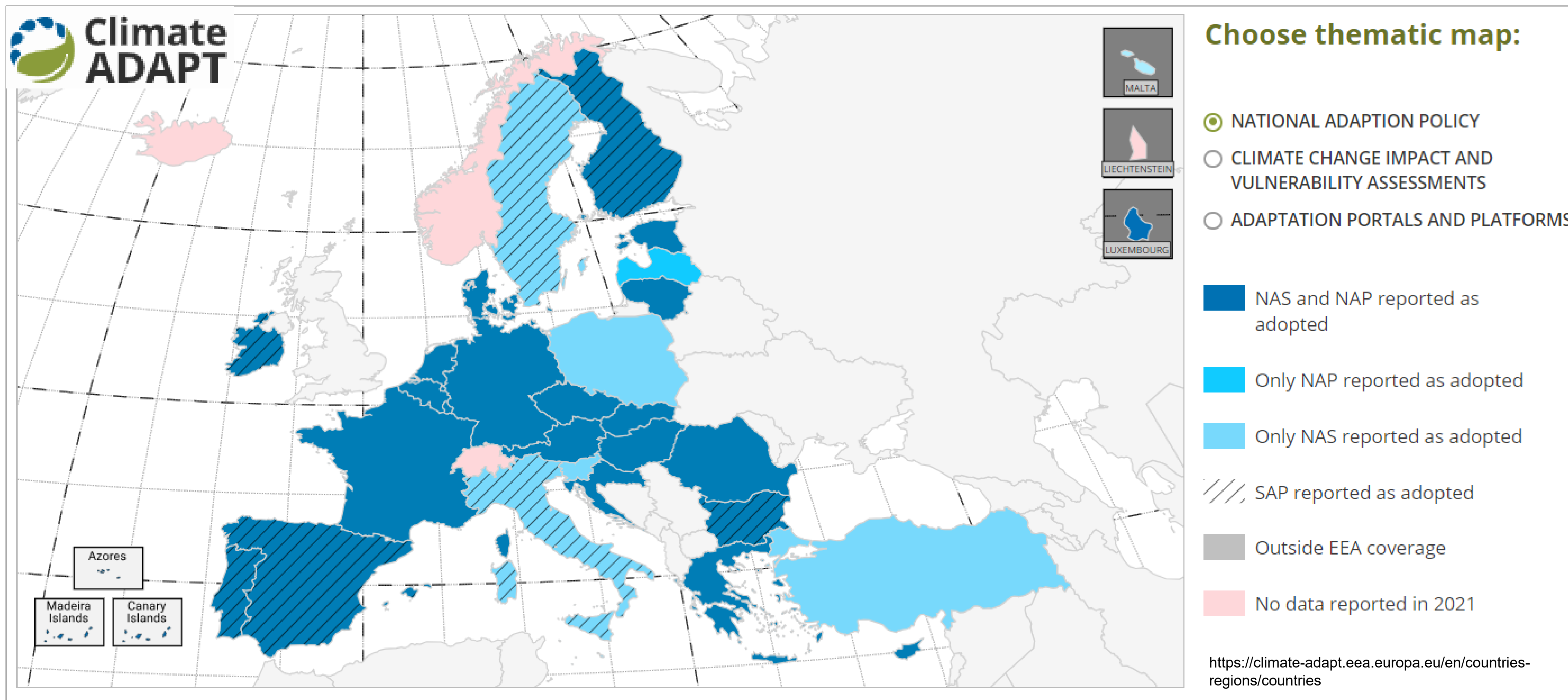
“Mapping of climate change adaptation in selected countries” (February 2023)

- Commissioned by the Norwegian Environment Agency
- Austria, Finland, Germany, Sweden, UK
- September 2022 – February 2023

<https://www.vestforsk.no/nn/publication/kartlegging-av-klimatilpasningsarbeid-i-utvalgte-europeiske-land-finland-storbritannia>

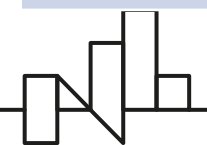


Current – as of 2021 - status in Europe

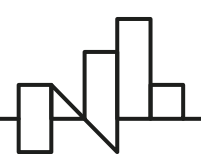
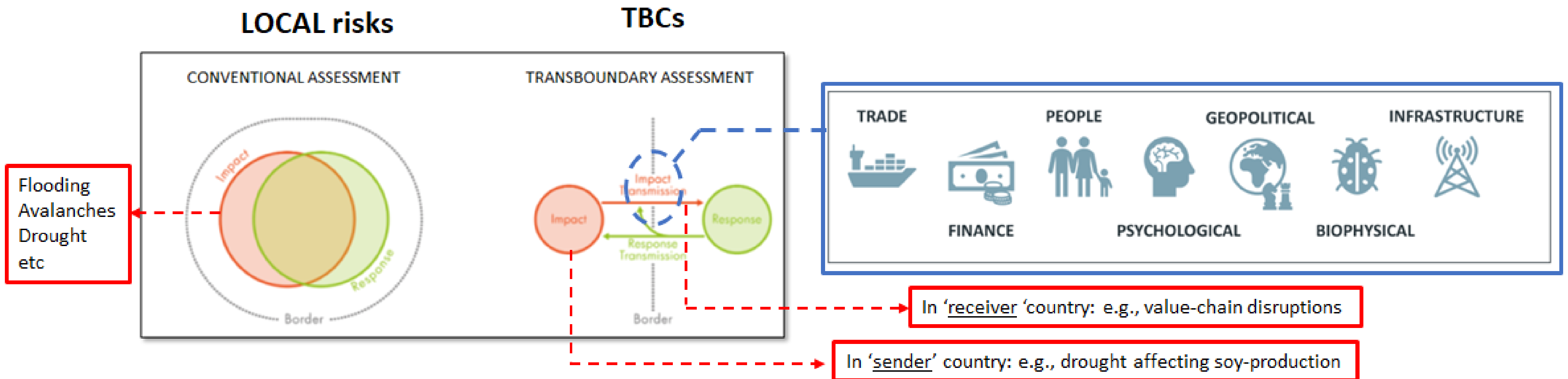


The next stage of conventional climate change adaptation

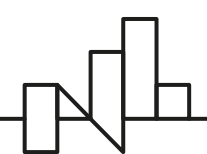
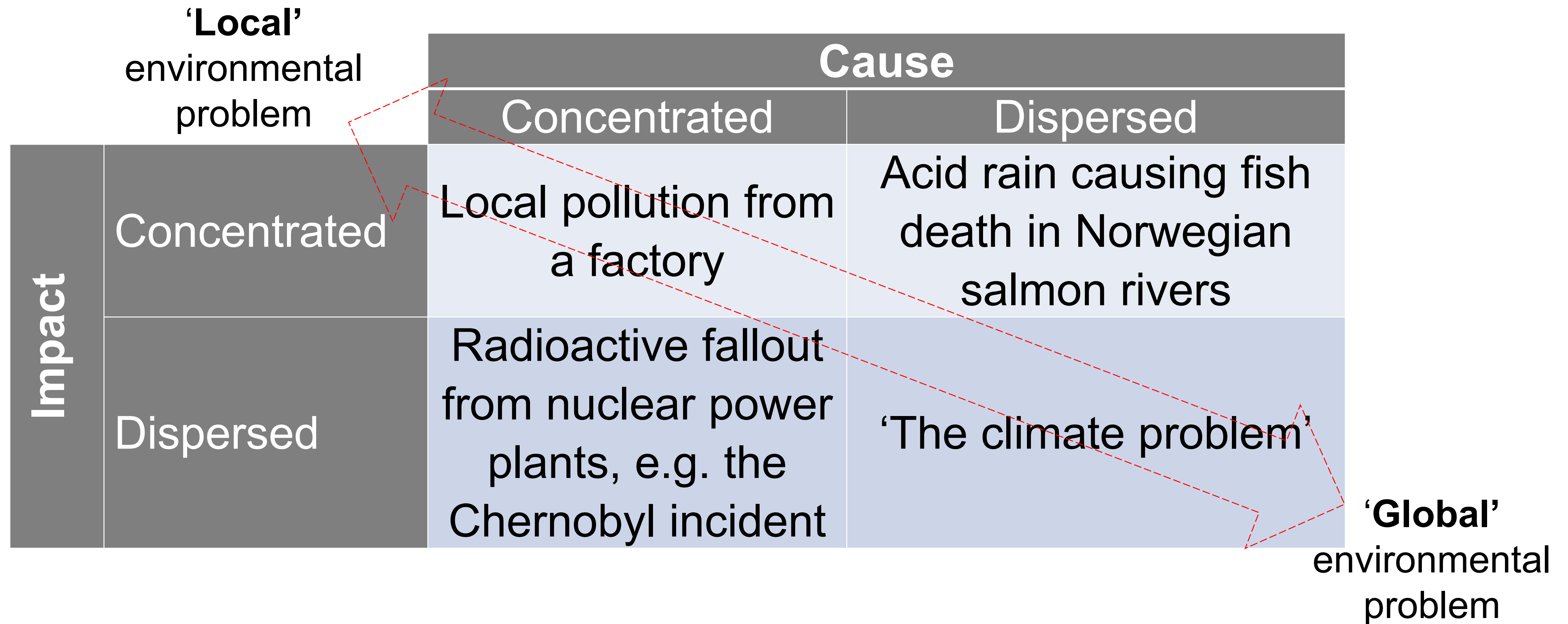
Current stage	Next stage
Adaptation prioritized significantly lower than mitigation	Adaptation prioritized closer to being at par with mitigation
Adaptation mostly post-event response to natural hazard events	Adaptation more frequently pre-event proactive measures
Adaptation applying mostly technical measures	Prioritising nature based above technical solutions to climate change adaptation
Adaptation indicators mostly related to 'climate change' and 'climate change impact' indicators	Adaptation indicators also covering 'societal drivers of risk' and 'adaptation efforts'
Adaptation addressing only the local climate risks	Adaptation also addressing transboundary climate risks



What is transboundary climate risk?

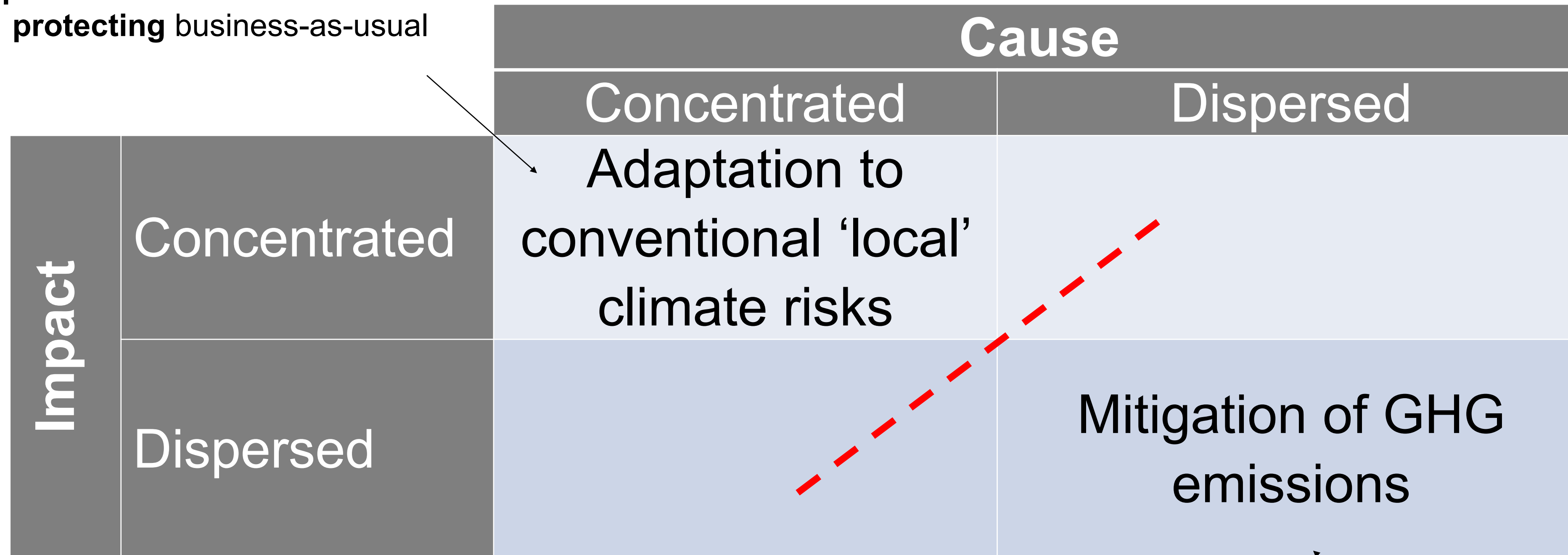


Typology of environmental problems

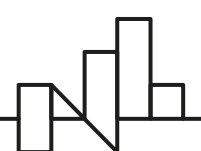


The disconnection of the adaptation and mitigation climate discourses

Much of the responsibility has been assigned to **local** and/or **civil protection** authorities aimed at **protecting** business-as-usual



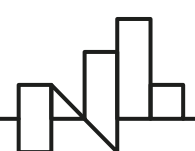
Much of the responsibility has been assigned to **national** authorities and **pollution prevention** authorities aimed at **changing** business-as-usual



Re-connecting the currently divided climate discourses?

		Cause	
		Concentrated	Dispersed
Impact	Concentrated	Adaptation to conventional 'local' climate risks	
	Dispersed	Adaptation to transboundary climate risks	Mitigation of GHG emissions

Who 'owns' this 'new' type of climate risk?



From ‘conventional’ to ‘weak’ and then to ‘strong sustainable’ climate change adaptation

Table 1 A proposed framework for differing between three modes of climate change adaptation (CCA)

Critical dimensions	Conventional CCA	Weak sustainability CCA	Strong sustainability CCA
Maladaptation (Unintended consequences of climate change adaptation efforts)	Indifferent to <i>environmental</i> and <i>social</i> sustainability	Must <i>not reduce</i> environmental or social sustainability	Must <i>increase</i> environmental and social sustainability
Malmitigation (Limitations imposed by climate change adaptation concerns on GHG mitigation efforts)	No limitations imposed by adaptation concerns on GHG mitigation efforts	GHG mitigation efforts must <i>not increase</i> climate risks	GHG mitigation efforts must <i>decrease</i> climate risks
Process of climate change adaptation	<i>Incremental strategy</i>	<i>Mixed strategy</i> (incremental and transformative)	<i>Transformative strategy</i>
	Mostly <i>reactive</i> and <i>protective</i> measures	Mostly <i>proactive</i> measures	Measures also addressing <i>drivers</i> of societal development
	Expert based process	Applying requirements of public participation in public planning	Applying principles of co-production of knowledge



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- Sections
- References
- Metrics

Editorial Type: [Article](#)

Article Type: [Research Article](#)

“I’m Fixing a Hole Where the Rain Gets in, and Stops My Mind from Wandering”: Approaching Sustainable Climate Change Adaptations

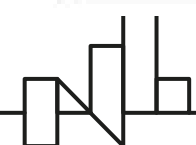
[Carlo Aall](#), [Christiane Meyer-Habighorst](#), [Irmelin Gram-Hanssen](#), [Mari Hanssen Korsbrekke](#), and [Grete Hovelsrud](#)

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Thank you!

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