



Management of Disaster Risk and Societal Resilience (MADIS)

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Introduction

- Management of Disaster Risk and Societal Resilience (MADIS) is an internationally-funded project through Belmont Forum and EPSRC.
- MADIS aims to improve insights into the interaction and interdependencies between different risk, resilience, and vulnerability indices and their relationship to the impacts of droughts and evolution of infrastructure systems.

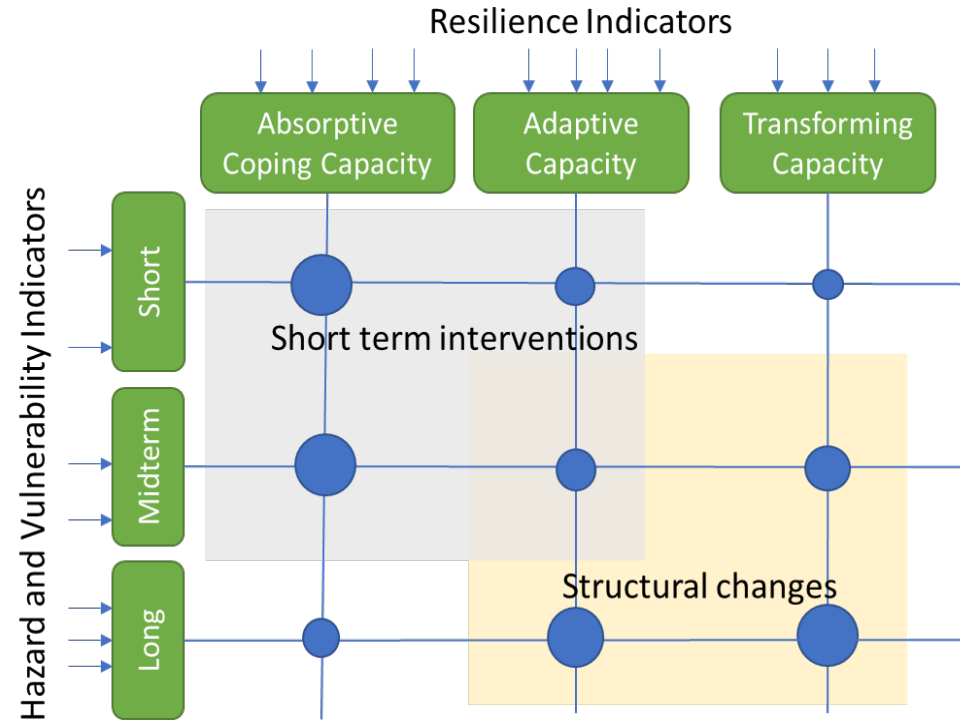


EP/V006592/1



MADIS Approach

- Better identify and represent the linkages between hazard, exposure, sensitivity, and resilience indicators.



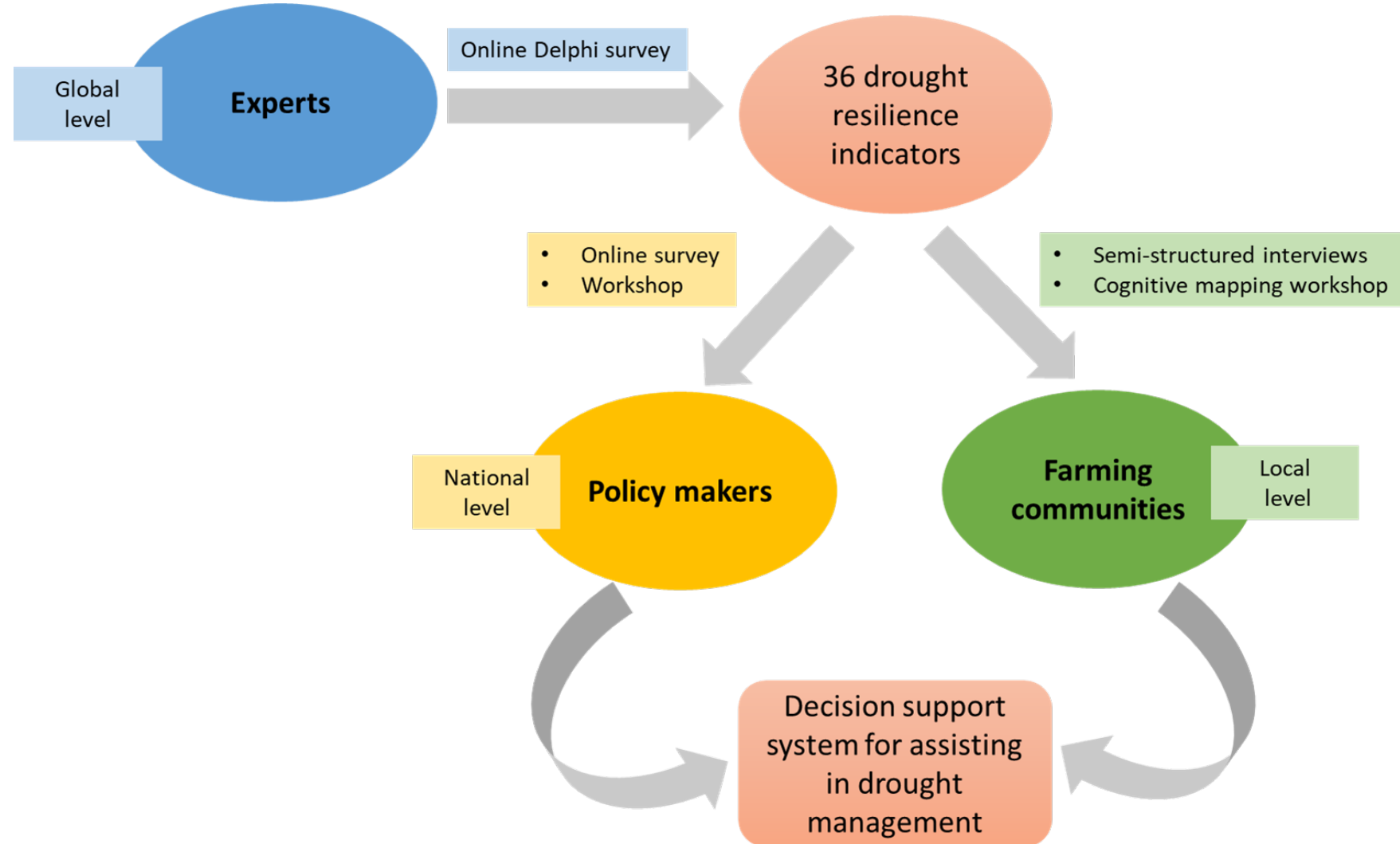
versus the current linear approach





Overview

- MADIS looks at drought indicators from different perspectives.
- Experts
- Policy makers
- Small scale farming communities



Time	Title and Chair	Speaker
9:00-9:30	Registration and networking tea & coffee	
9:30-10:00	Welcome address	Chris Fogwill, Cranfield University
10:00-10:30	Keynote: “Challenges of energy sector in Türkiye with respect to climate change mitigation targets and sustainable climate-resilient development”	Murat Turkes, Boğaziçi University
	Chair: Nazmiye Ozkan, Cranfield University	
10:30-11:00	Panel discussion Chair: Nazmiye Ozkan, Cranfield University	Murat Turkes, Boğaziçi University
		Abdullah Konak, Penn State Berks
		Priscila Carvalho, UCL
		Paul Burgess, Cranfield University
11:00-11:15	Tea & coffee break	
11:15 to 12:30	Theme 1: Advancing the Sustainable Development Goals: Fostering Resilient Water- Energy-Food Systems in the Face of Shocks	
	Chair: Nazmiye Ozkan, Cranfield University	
11:15-11:30	Developing an enabling environment for risk informed development to build resilience in the water sector: A case study of Lesotho	Johanes Amate Belle, University of the Free State
11:30-11:45	Lebanon 2020: How the explosion impacted the food safety of the Lebanese population? A critical opinion	Carol Verheecke-Vaessen, Cranfield University
11:45-12:00	A critical analysis on disaster housing in Türkiye: Retrospective and prospective perspective	Md Tariqul Islam, Cranfield University
12:00-12:30	Discussion on Theme 1 (Q & A)	
12:30-13:15	Lunch	
13:15-13:45	Indicator based assessment for drought impacted small farms + Learnings from small scale farmers in Morocco	Tanaya Sarmah, Cranfield University
13:45-14:15	A decision support system to provide holistic policy recommendations for drought risk management	Abdullah Konak, Penn State Berks
14:15 to 15:15	Theme 2: Tools for Transformation: Social Innovations, Technological Advancements, and Nature- Based Solutions	
14:15-14:30	Integrating machine learning and remote sensing for resilient water-energy-food systems: A multi-scale perspective	Abdou Khouakhi, Cranfield University
14:30-14:45	An early warning system for food supply chain resilience to environmental disruption: Literature review	Kate Jones, Cranfield University
14:45-15:15	Discussion on Theme 2 (Q & A)	
15:15-15:30	Tea & coffee break	
15:30-16:45	Theme 3: Paving the Way for Just Transitions in Disaster Risk Adaptation through Last Mile Governance	
16:30-17:45	Exploring differentiated nature of livelihood vulnerability in the context of climate change: An intersectional analysis of	Md Tariqul Islam, Cranfield University



Housekeeping & ground rules

- No fire drill planned
- Keep your phone on silent mode
- No attributes to individuals





Thank You

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