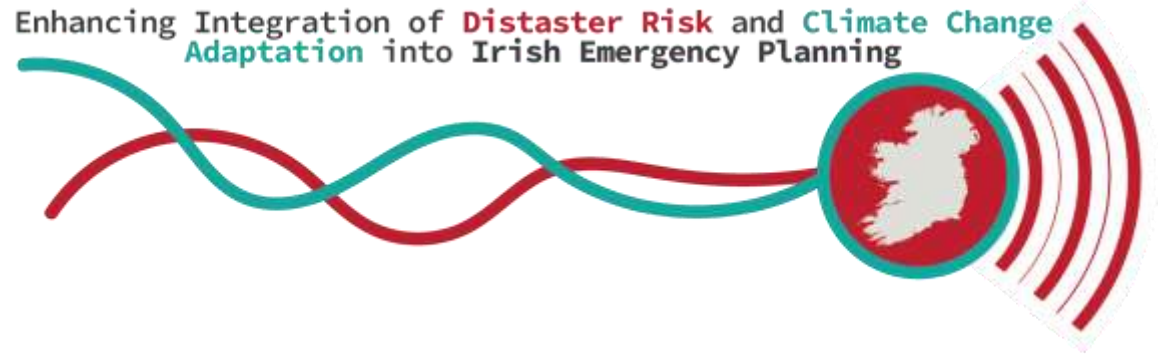


# Enhancing Integration of Disaster Risk & Climate Change Adaptation into Irish Emergency Planning

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Enhancing Integration of **Disaster Risk** and **Climate Change**  
**Adaptation** into Irish Emergency Planning



School of Law  
Scoil an Dlí



This project is funded under the EPA Research Programme 2014-2020. The EPA Research Programme is a Government of Ireland initiative funded by the Department of Communications, Climate Action and Environment. It is administered by the Environmental Protection Agency, which has the statutory function of co-ordinating and promoting environmental research

# Challenge

“[T]he impacts of weather- and climate-related hazards on the economy, human health and ecosystems are amplified by socio-economic changes and environmental changes. Efforts to reduce disaster risk and at the same time adapt to a changing climate have become a global and European priority.”

European Environment Agency, 2017

“[T]here is a growing recognition at EU / international level of the need for greater integration of emergency planning (particularly disaster risk reduction) and climate change adaptation ... [T]his has already begun in Ireland. Under this Framework, it is foreseen that these relationships will continue to strengthen over time.”

*National Adaptation Framework: Planning for a Climate Resilient Ireland, 2018*

# Objectives of the research

1. Identify the institutional and policy linkages and barriers to coordination and integration of disaster risk management and climate change adaptation (CCA) planning in Ireland.
2. Provide a roadmap for integrating emergency planning and CCA in the context of existing policy instruments and approaches.
3. Provide guidelines for mainstreaming CCA assessments into the Irish emergency management frameworks.



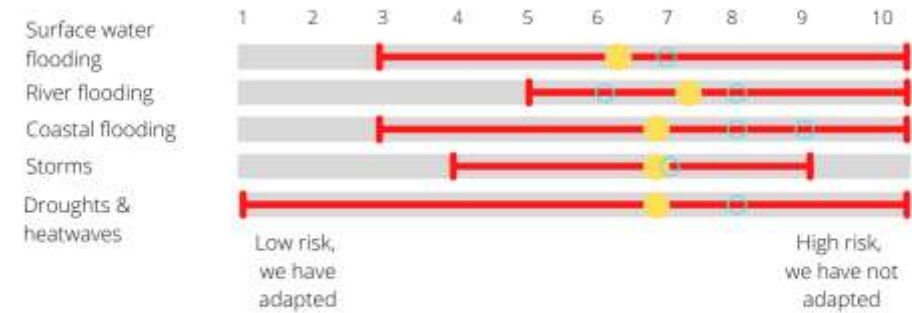
# Methodology

- Literature review (July 2020)
- Key informant interviews (#19)
- Regional focus groups (#24)
  - County Mayo
  - Cork City
  - Dublin metropolitan area



## Summary of perception survey responses

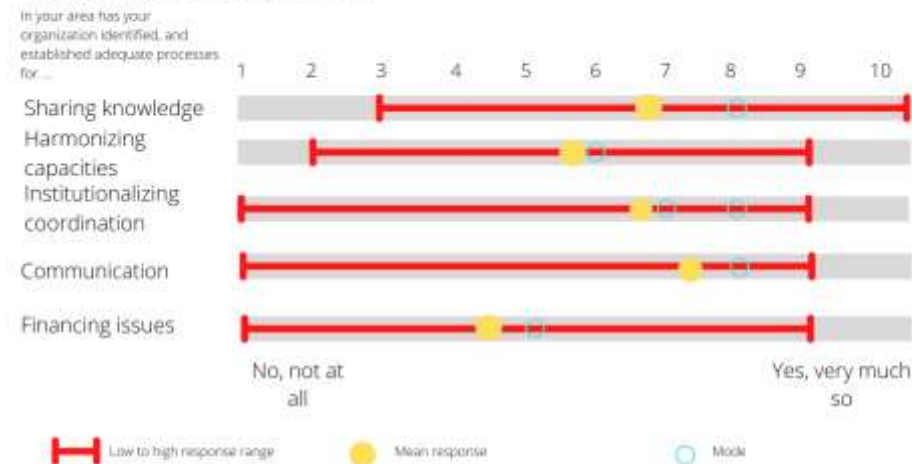
### Current perceptions of risk and level of adaptation



### Perceptions of principal emergency response organization's ability to cope with extreme weather-related disasters



### Pathways for adaptation



# Overview of Key Legal & Policy Frameworks



	Risk Management	Climate Change	Sustainable Development
<b>International</b>	Sendai Framework on DRR (2015-2030)	UNFCCC / Paris Agreement	UN Agenda 2030 & the SDGs
	Draft National Risk Assessment (2021) National Risk Assessment (2019)	Climate Action Plan 2021: Securing Our Future (2021)	A Better World: Ireland's Policy for International Development (2019)
	Strategic Emergency Management Framework (2017)	National Adaptation Framework: Planning for a Climate Resilient Ireland (2018)	Ireland: Voluntary National Review (2018)
<b>National</b>	Major Emergency Management Framework (2006)	Local Authority Climate Change Adaptation Guidelines (2020)	Our Sustainable Future: A Framework for Sustainable Development in Ireland – Progress Report (2015)
		National Mitigation Plan (2017)	Our Sustainable Future: A Framework for Sustainable Development in Ireland (2012)

# Research hypothesis

## Policy and plans

- Policy frameworks and implementation plans for CCA and DRR are already under development

## Mitigation

- Mitigation works to avoid, reduce or transfer disaster risks in Ireland are ongoing

## Response capacity

- PRAs are adequately prepared for the current level of extreme weather events

## Information

- Relevant information is increasingly available through the Climate Ireland website and other sources

## Achieving integration

- Achieving integration of CCA and DRR in Ireland requires actions across a range of different sectors and institutions

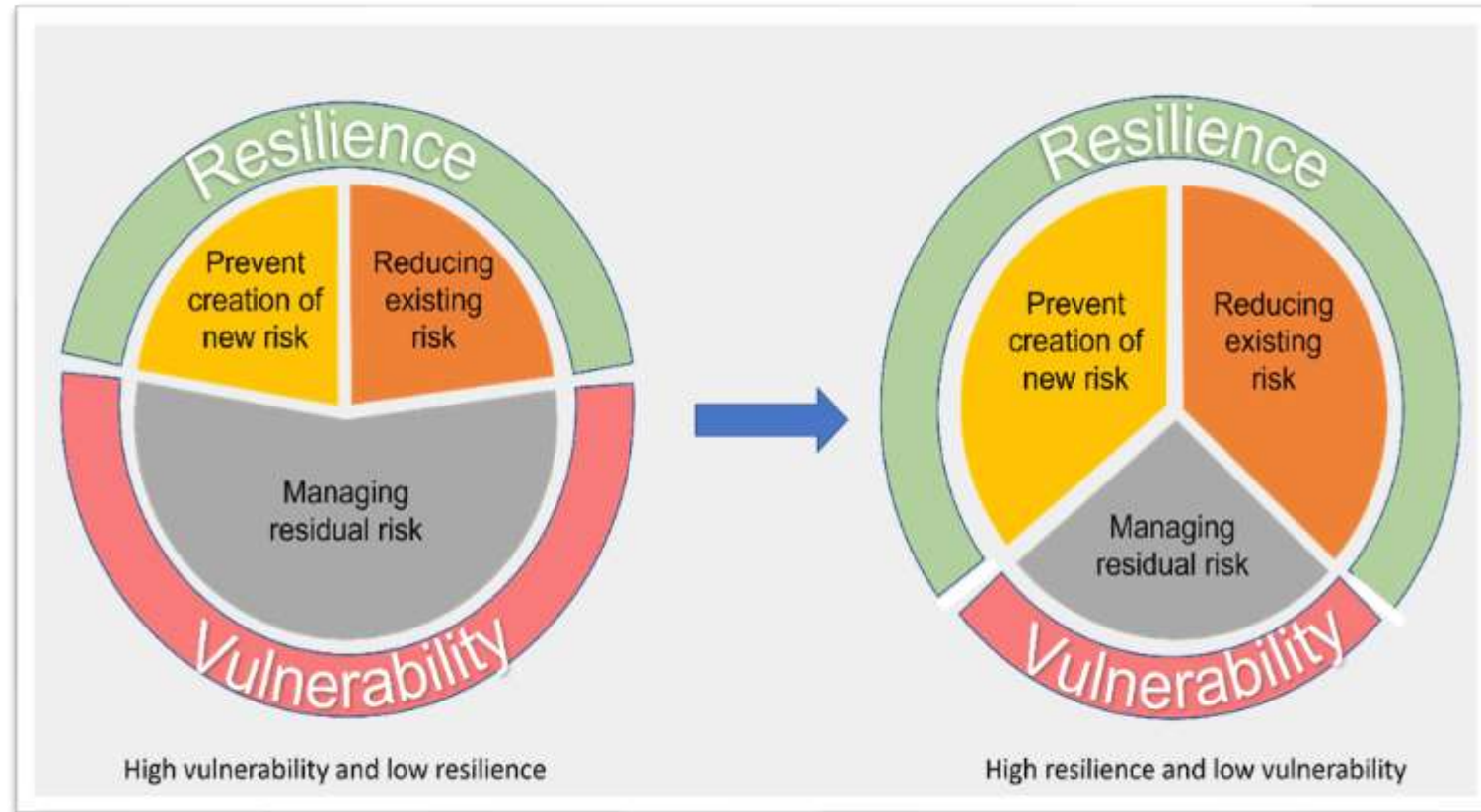


# Ireland's Model for Emergency Planning

- Originated in the MEM Framework 2006
- Included in the SEM National Structures and Framework 2018



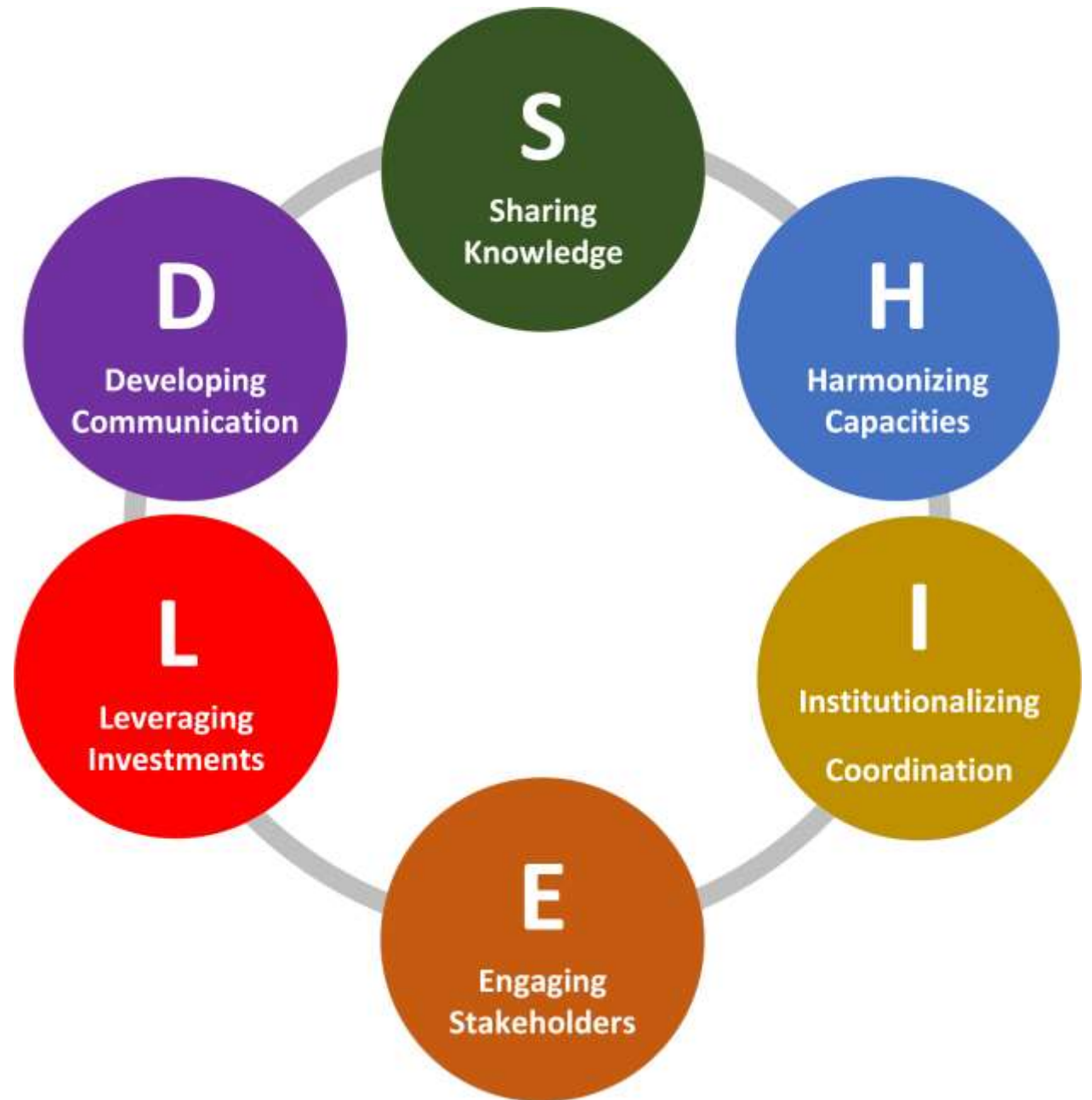
# Disaster Risk Management Objectives





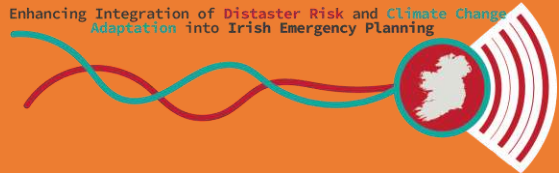
# SHIELD Model for integrating CCA and DRR

- ESPREsSO Project (Horizon2020)
- EU experience



# Overarching research findings

1. Integration between individual elements of the SEM / MEM 5-stage model for emergency planning could be improved.
2. The three objectives of disaster risk management may facilitate clarity of role and purpose for lead government departments.
3. Principal response agencies must ensure that their capacity is at least equal to the changing levels of climate change influenced hazards, community exposure and vulnerability.
4. Further integration of the systems for the governance, management and coordination of climate change adaptation and disaster risk reduction at the national level.
5. Better sequencing of policy-making, planning and research to facilitate integration.
6. All future policies and plans should be specific about the six pathways for integration.



# Proposed roadmap

Current state



Objective: Reduce vulnerability & increase resilience

## Integrated institutional and policy processes

Including:

- Linkages between Government Task Force on Emergency Planning & National Adaptation Steering Committee
- Coordinated approaches between the MEM, SEM, Climate Action Plan, Local Authority CC Adaptation Plans etc

## Utilising the lens of the SHIELD model

- Sharing knowledge
- Harmonising capacities
- Institutionalising coordination
- Engaging stakeholders
- Leveraging investments
- Developing communication

## Based on agreed common principles

1. Review process based on a comprehensive strategy and agreed end point
2. Reduction of institutional, policy & operational siloes
3. Whole of society approach
4. Drawing on regional and international frameworks and good practice

## Preconditions for effective implementation

1. Financial resources at all levels
2. Consistent political will
3. Participation of stakeholders
4. Transparent monitoring and evaluation
5. Detailed sharing and disaggregation of data
6. Common reporting formats

Future state



Outcome:  
Remaining residual risk left to be managed has been reduced

# Guiding Actions for Implementing Integrated Emergency Planning in Ireland based on the Six Pathways of the SHIELD Model

Pathway	Suggested Actions	Indicative stakeholders
Sharing Knowledge	11	
Harmonising Capacities	6	
Institutionalising Coordination	7	
Engaging Stakeholders	6	
Leveraging Investments	10	
Developing Communication	6	

## Project team:

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- Dr Dug Cubie
- Peter Medway

## Research support:

- Shannon Greene
- Emer Slattery

Questions?

