

#ClimatEireitage

A Story

Dr Cathy Daly,
Carrig Conservation & University of Lincoln
Georgetown University Law Centre 4th October 2024



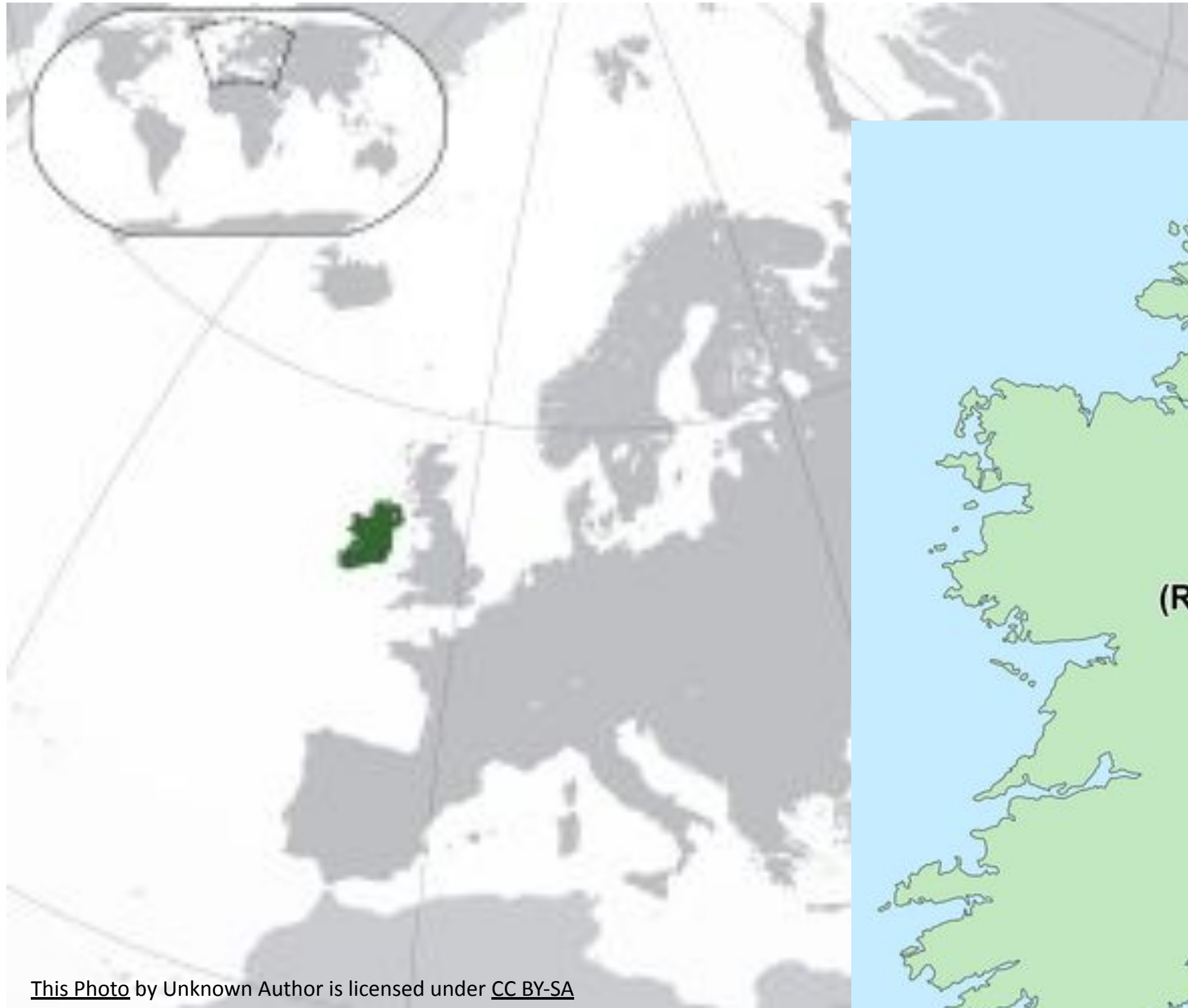
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Introduction

- Where to start?
- Recent projects
- Future directions

Where to start?



Ireland

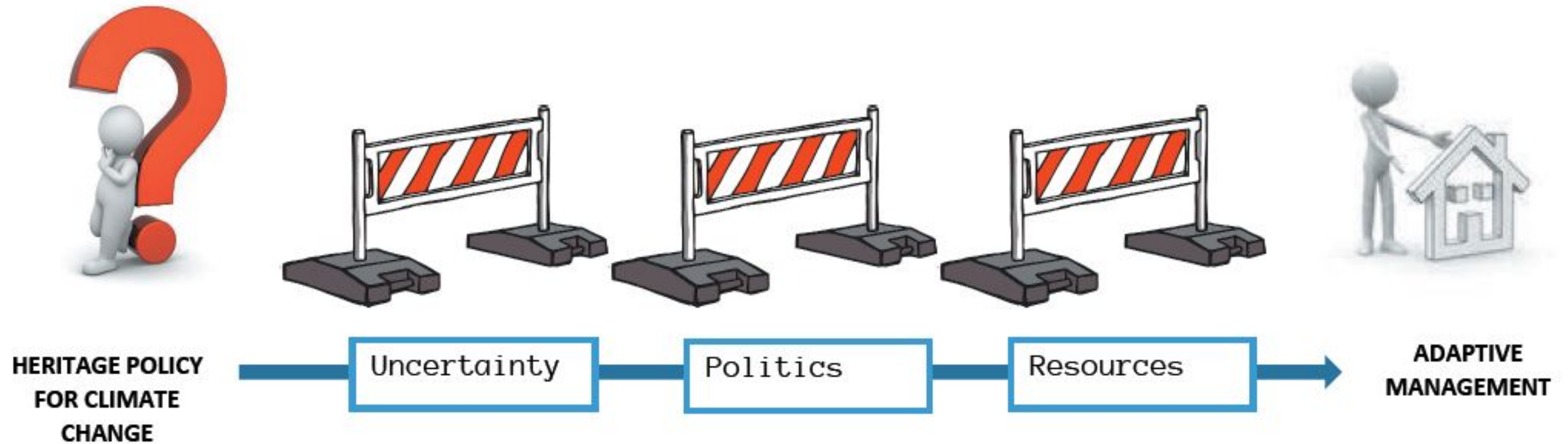
Population 5.15 million

EU member

2 World Heritage Sites:

Brú na Bóinne
Sceilg Mhichíl

Where to start?



The start?

- 2009 report by Heritage Council and Failte Ireland
- 2010 Report ICOMOS Ireland
- 2011 IMF Bailout
 - 2013 Vulnerability assessment World Heritage Sites
- 2016 Climate Action and Low Carbon Development Act

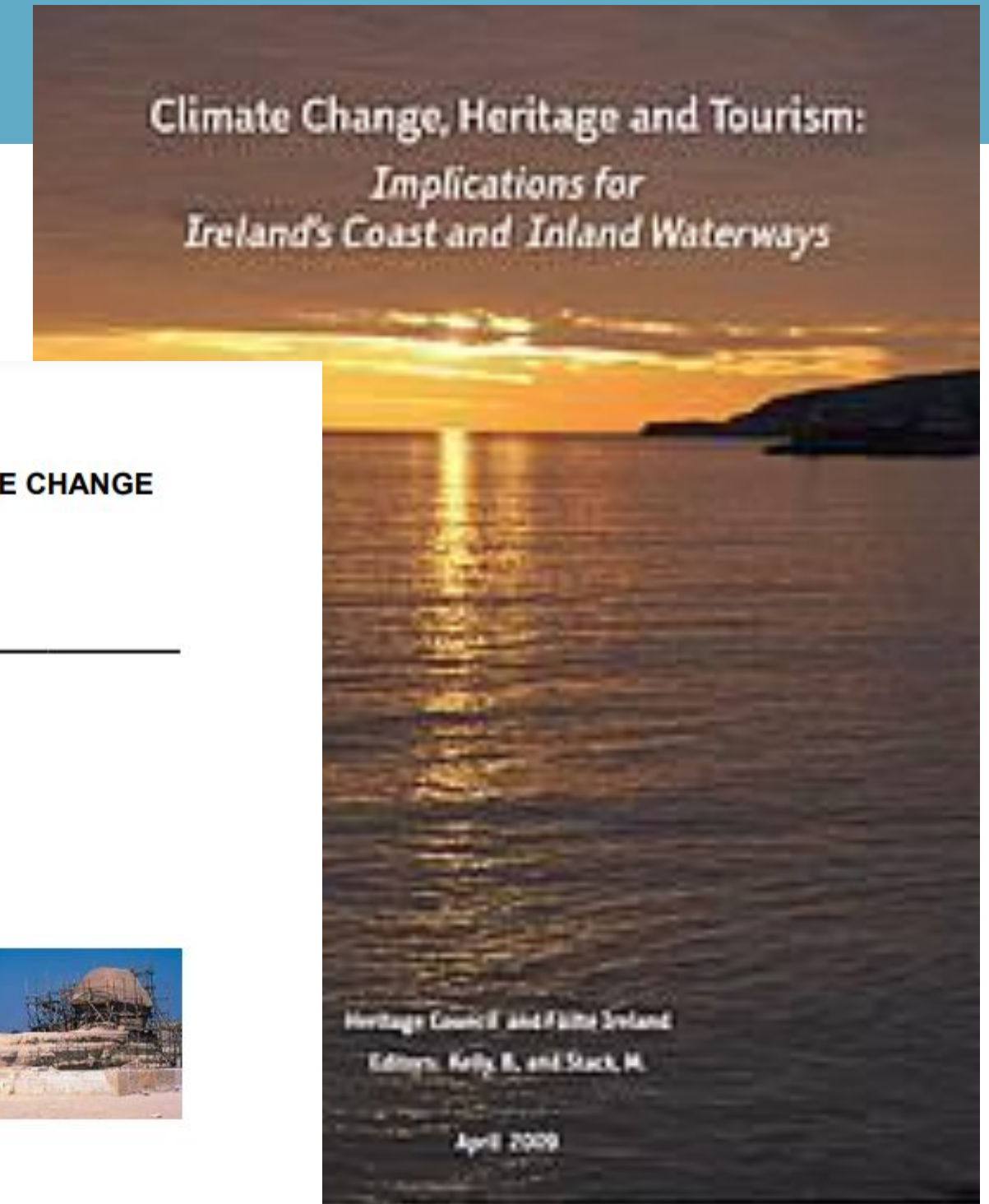


MONITORING IMPACTS of CLIMATE CHANGE on BUILT HERITAGE



Report of the ICOMOS Ireland Climate Change Sub-Committee

January 2010



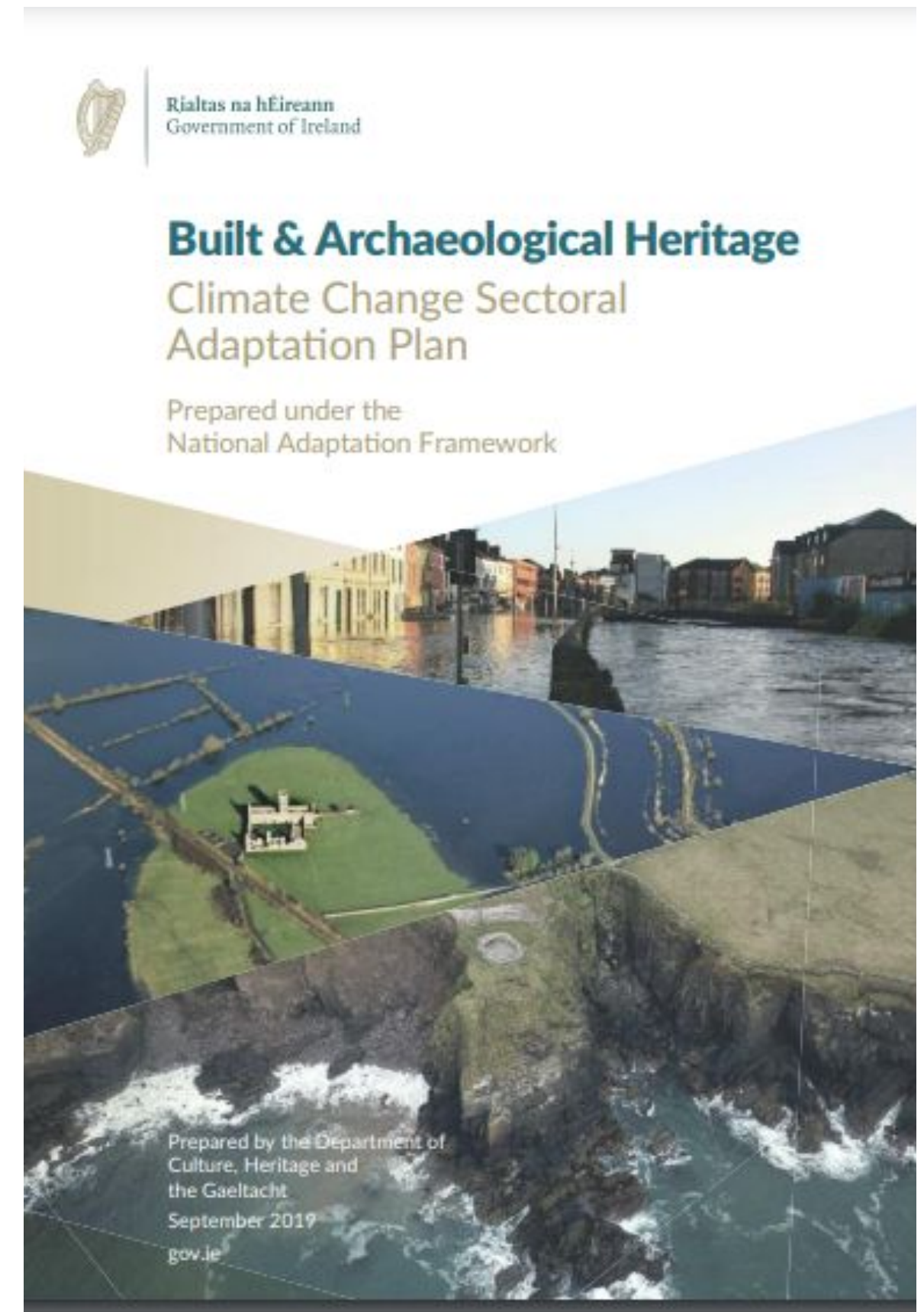
Where to start?

Climate Change Adaptation Strategy for Built and Archaeological Heritage

2019



An Roinn Cultúir,
Oidhreacht agus Gaeltachta
Department of Culture,
Heritage and the Gaeltacht



Where to start?

Heritage & Climate Action

01

Understanding Climate Risk & Adapting:

- Impacts on heritage – what are they, how do we understand vulnerability?
- How can we respond?

02

Mitigating the causes of Climate Change:

- The Paris Agreement
- Transition and Transformation

5 Goals, 16 Objectives, 48 actions (with indicators and outputs)

GOAL 1: Improve understanding of the heritage resource and its vulnerability to climate change impacts

GOAL 2. Develop and mainstream sustainable policies and plans for climate change adaptation of built and archaeological heritage

GOAL 3. Conserve Ireland's heritage for future generations

GOAL 4. Communicate and transfer knowledge

GOAL 5. Exploit the opportunities for built and archaeological heritage to demonstrate value and secure resources



National strategy supported by scientific research leading to local actions

POLICY

Flexible
Anticipatory
Cross cutting
Leadership

ACTIONS

Stakeholder focussed
Win whatever
Informed & supported
Learning from experience

SCIENCE

Monitoring
Research
Communication

Recent Projects

US Climate Heritage Policy
International Context





CLIMATE CHANGE RISK & ADAPTATION ASSESSMENT OF SIX LOCAL AUTHORITY GRAVEYARDS IN CO. KERRY

A project funded under the CMF

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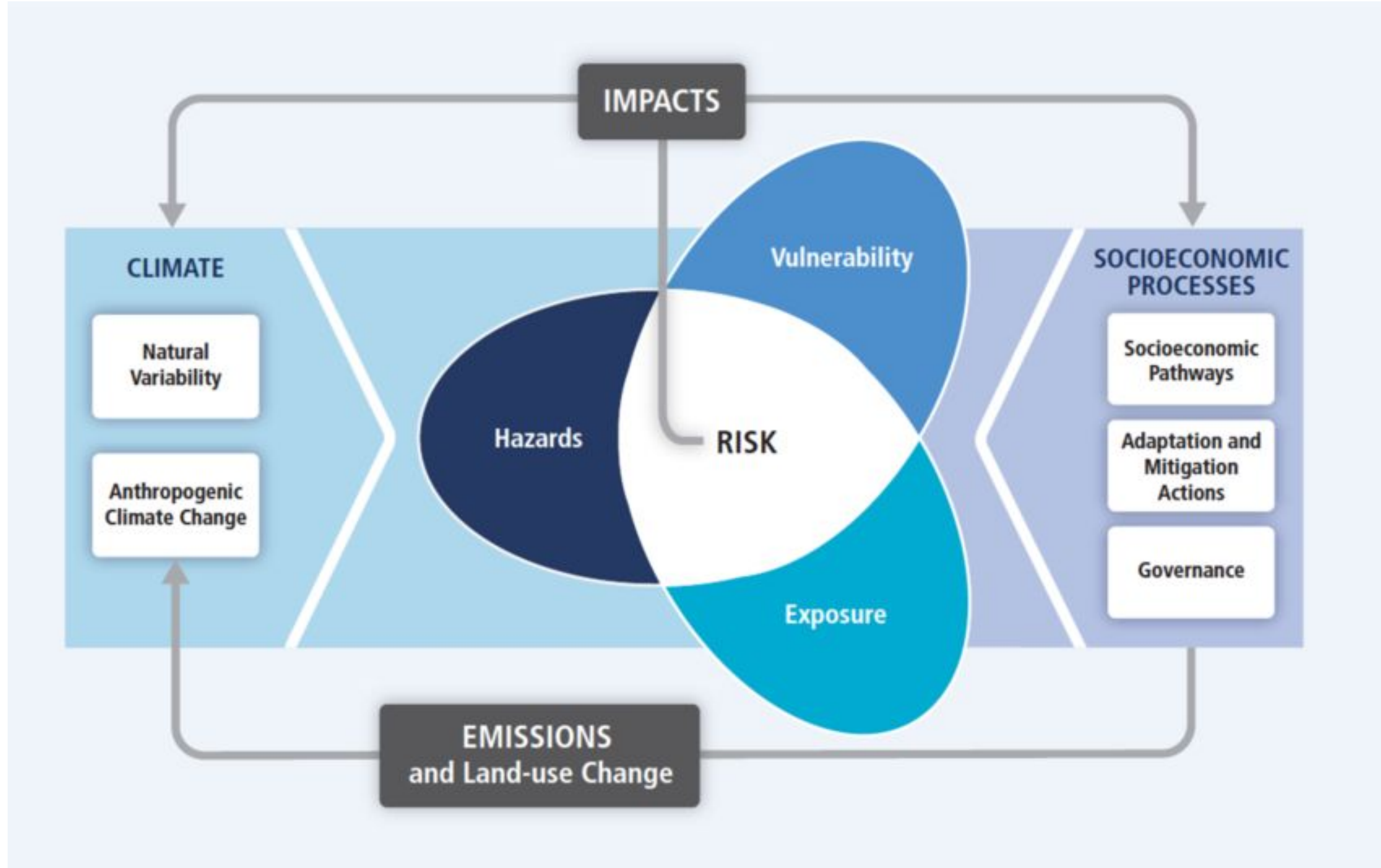
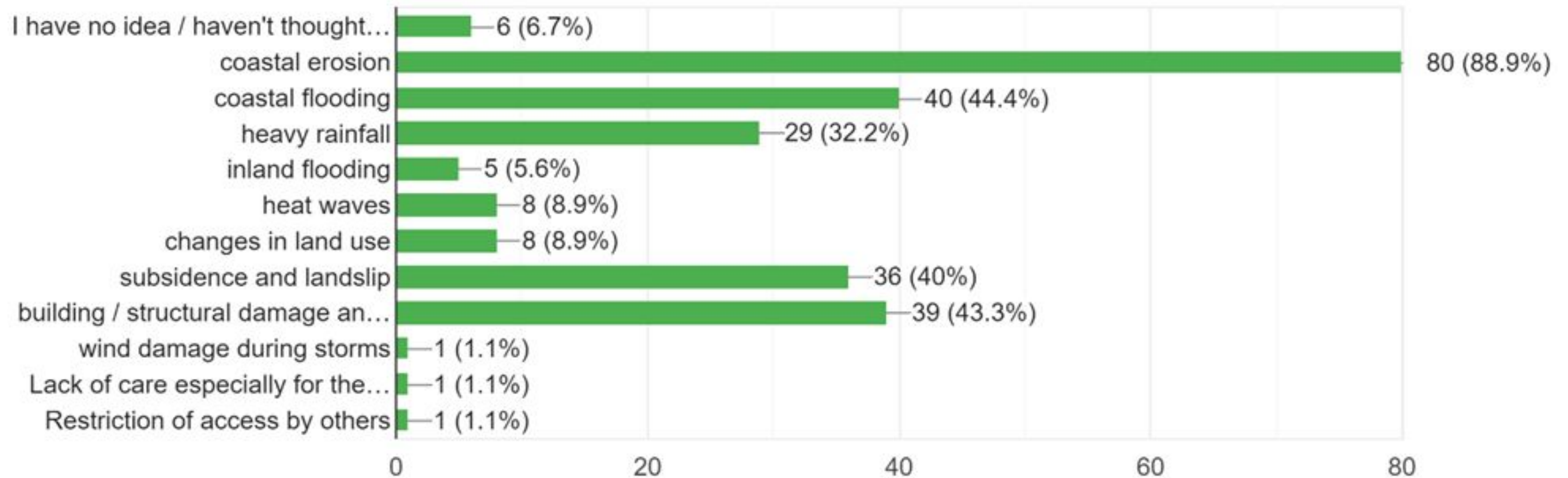


Illustration of the core concepts related to Risk in AR5 WGII (IPCC, 2014)

Community survey

Which climate change impacts do you think are the greatest concern for graveyards in Kerry?

90 responses





- **Increasing resilience through maintenance and visitor management:** Climate change is a stress multiplier, but resilience to its impacts can be created by improving the current condition of the sites
- **Interventions to improve the condition and authenticity of the built heritage:** Collapse of poorly maintained historic churches and walls was identified as a key risk and inappropriate repairs further reduce authenticity and stability.
- **Sympathetic approaches to coastal processes (flooding and erosion):** Monitoring should be undertaken to inform the choice of adaptation options in the future. The possibility of nature-based solutions should be considered in preference to hard engineering and a communication and engagement strategy to build community awareness of the challenges involved in protecting coastal graveyards should be undertaken.
- **Developing a strategy for managing loss:** The current KCC management approach of defending the sites from the sea may require revision given climate change projections. Managed loss is likely to create conflict and requires structured consultation to negotiate options such as relocation, documentation and recording, memorialisation, etc.



Thank you for your interest in these graveyards, I have many treasured family members buried on Abbey Island. I understand that in time it may disappear to the sea, but even a memorial with their names on the mainland would be amazing

(respondent to community survey).

Monitoring climate & impacts



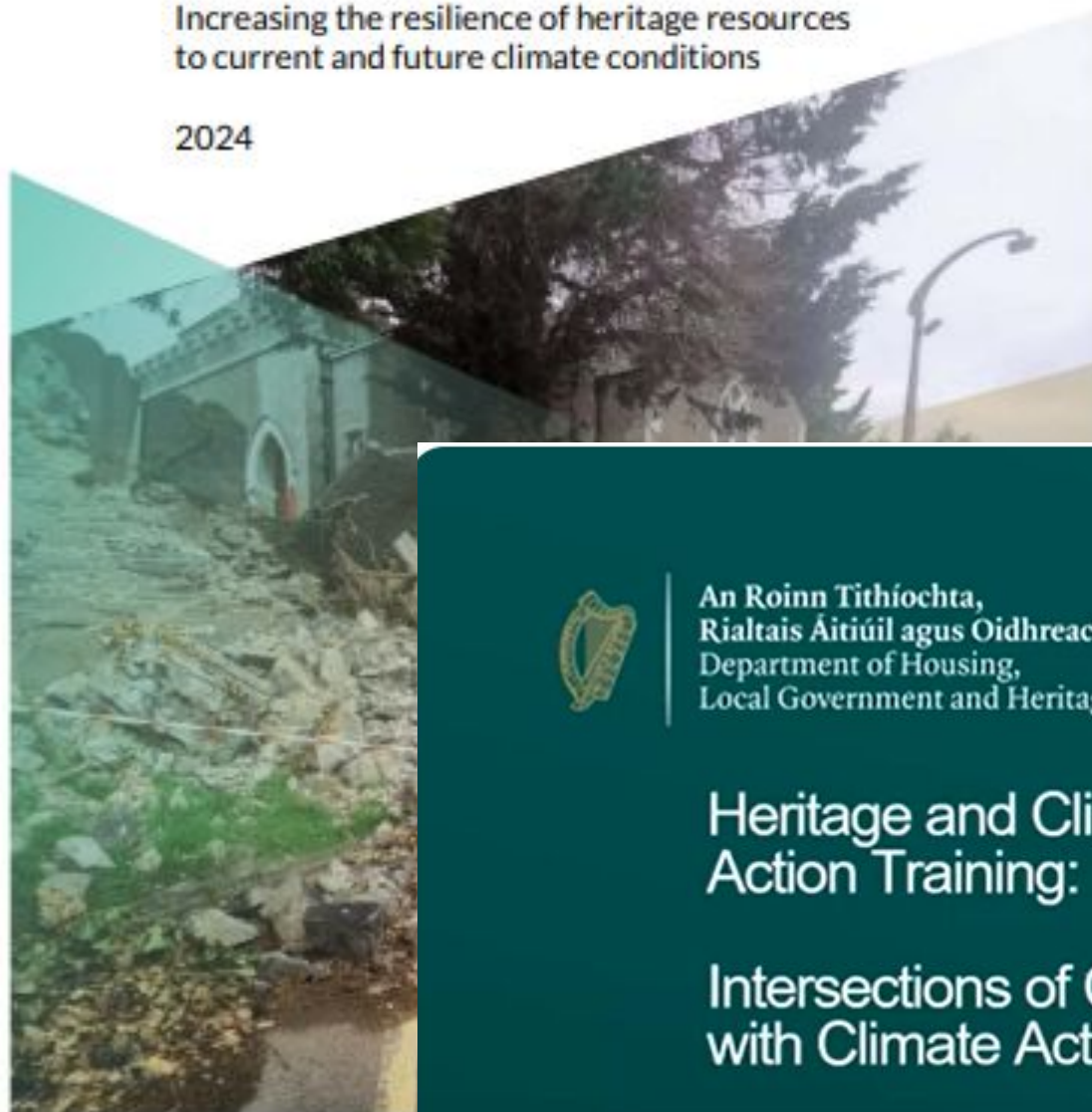


Rialtas na hÉireann
Government of Ireland

Heritage and Climate Adaptation Guidance for Local Authorities

Increasing the resilience of heritage resources
to current and future climate conditions

2024



An Roinn Tithíochta,
Rialtais Áitiúil agus Oidhreacht
Department of Housing,
Local Government and Heritage

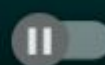
Heritage and Climate Action Training:

Intersections of Cultural Heritage
with Climate Action Policy

ACTIONING POLICY



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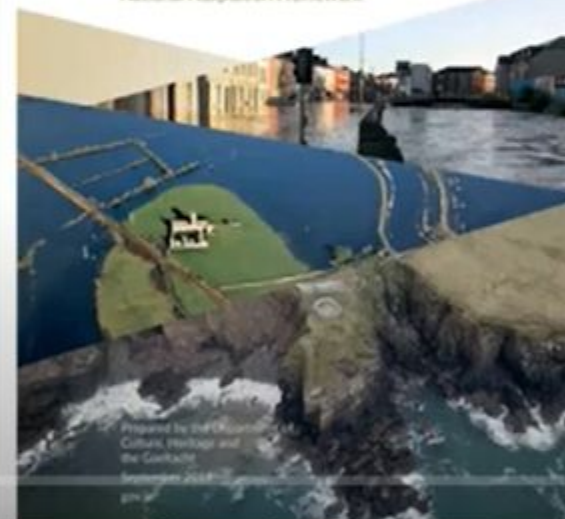
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Rialtas na hÉireann
Government of Ireland

Built & Archaeological Heritage Climate Change Sectoral Adaptation Plan

Prepared under the
National Adaptation Framework



Cathy Daly

Climate Adaptation Guidance
for Local Authorities:
Increasing the resilience of
heritage resources to current
and future climate conditions

Webinar: Actioning Policy,
Climate Change Adaptation
for Built and Archaeological
Heritage



- 2024 Climate Change Risk Assessment (CCRA) Sceilg Mhichíl World Heritage Property
- Built on research by Daly 2014 and combining elements of Adapt Northern Heritage (ANH) and Climate Vulnerability Index (CVI) approaches



Technical Site Visit



Technical & Community Workshops

Future Directions

US Climate Heritage Policy
International Context



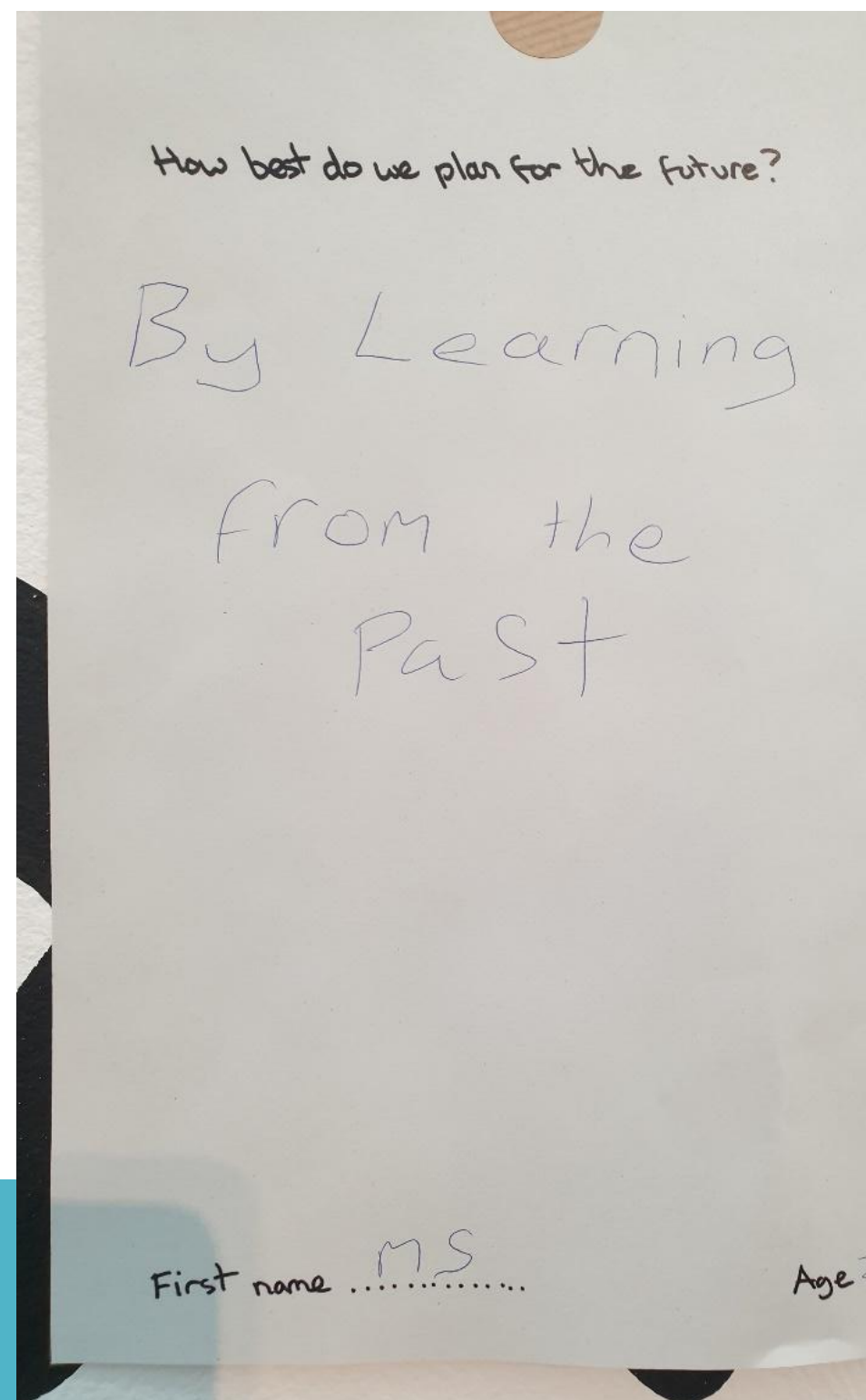
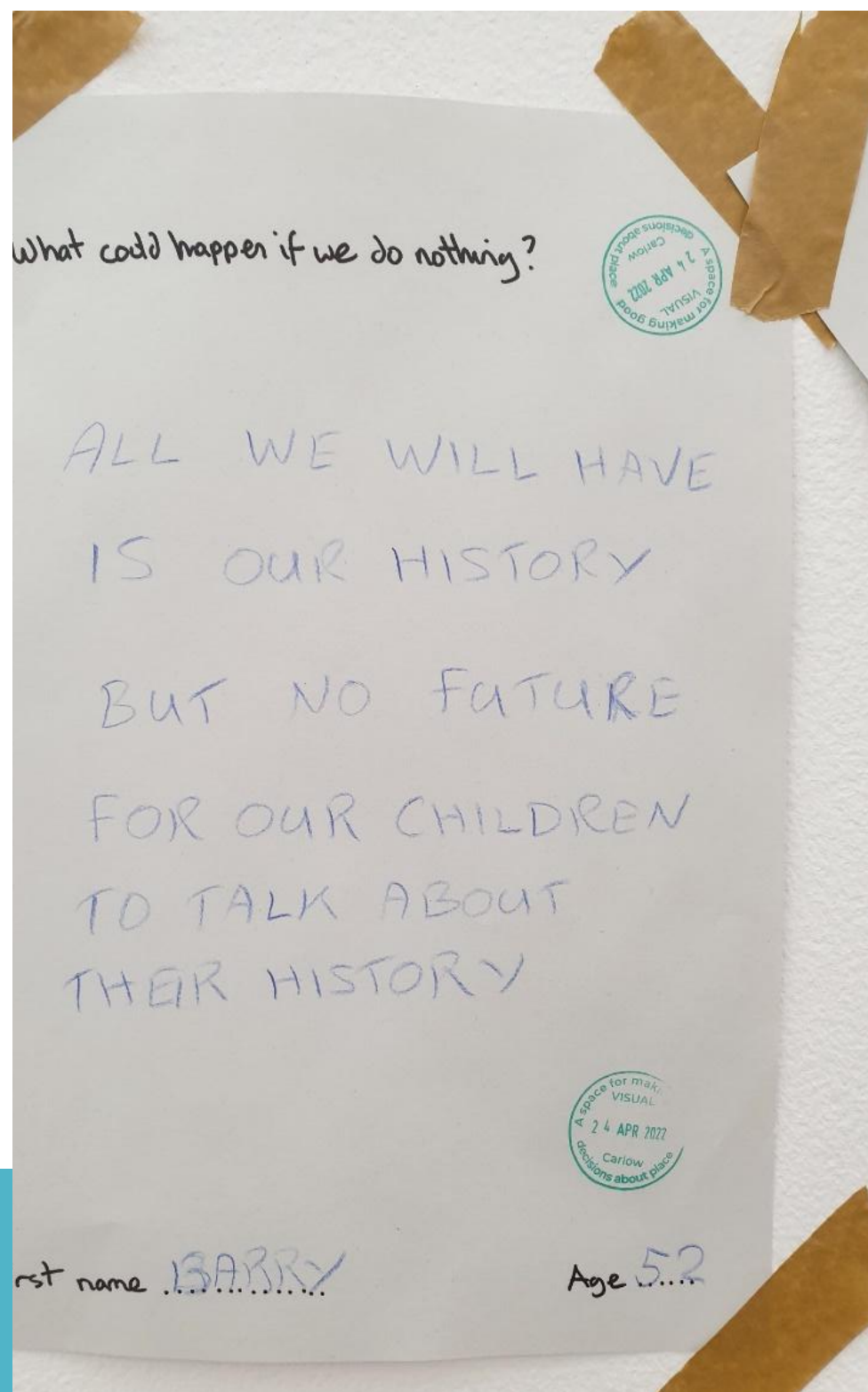
Research Gaps

US Climate Heritage Policy International Context

- impacts within specific settings and systems
- role of heritage in climate action
- utilize diverse knowledge sources
- limitations of current systems
- pooling and sharing of data across sectors and disciplines
- evaluations of Nature Based Solutions
- inclusion of communities
- mechanisms to help with uncertainty, future discounting, politics and financial instability
- multi-disciplinary approaches

Policy Gaps

- **Cultural Landscapes:** One approach favoured is to take a landscape character approach to understanding climate change impacts and responses.
- **Moveable heritage:** Collections and artefacts
- **Cross sectoral working:** natural heritage, also agriculture, tourism and planning.
- **Dissemination:** The stakeholder WGs have been very useful for creating awareness and capacity but a comment was made that this needs to disseminate further, faster.
- **Climate Action:** Stakeholders were strongly in favour of continuing and strengthening the linkage between adaptation and mitigation
- **Strengthen linkages between sectoral and local plans** (vertical integration)
- **Consider how B&AH CCSAP can contribute to the NAF** – co-benefits.



Visual Centre for Contemporary Art Short Circuit

Short Circuit is a series of four conversation events taking place in Helena Fitzgerald's exhibition A Space for Making Good Decisions About Place in April and May 2022.

Thank you for listening

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References

- Climate Change Adaptation Sectoral Plan for Built and Archaeological Heritage. Dublin: Department of Culture Heritage and the Gaeltacht. Available at <https://www.gov.ie/pdf/?file=https://assets.gov.ie/75639/a0ad0e1d-339c-4e11-bc48-07b4f082b58f.pdf#page=null>
- Daly, C., C. Engel-Purcell, C. Chan, J. Donnelly, M. MacDonagh & P. Cox. 2020. 'Climate Change Adaptation Planning, a National Scale Methodology' in Journal of Cultural Heritage Management and Sustainable Development Emerald [Climate Change Adaptation Planning for Cultural Heritage, a National Scale Methodology - The Lincoln Repository](#)
- Daly, Cathy, Fatorić, Sandra, Carmichael, Bethune, Pittungnapoo, Witiya, Adetunji, Olufemi, Hollesen, Jørgen, Nakhaei, Masoud and Herrera Diaz, Alberto (2022) [Climate Change Adaptation Policy & Planning for Cultural Heritage in Low- & Middle-Income Countries](#). Antiquity . ISSN 0003-598X
- <https://www.gov.ie/en/publication/22a37-heritage-and-climate-adaptation-guidance-for-local-authorities/>