



CLIMATERISKIRELAND

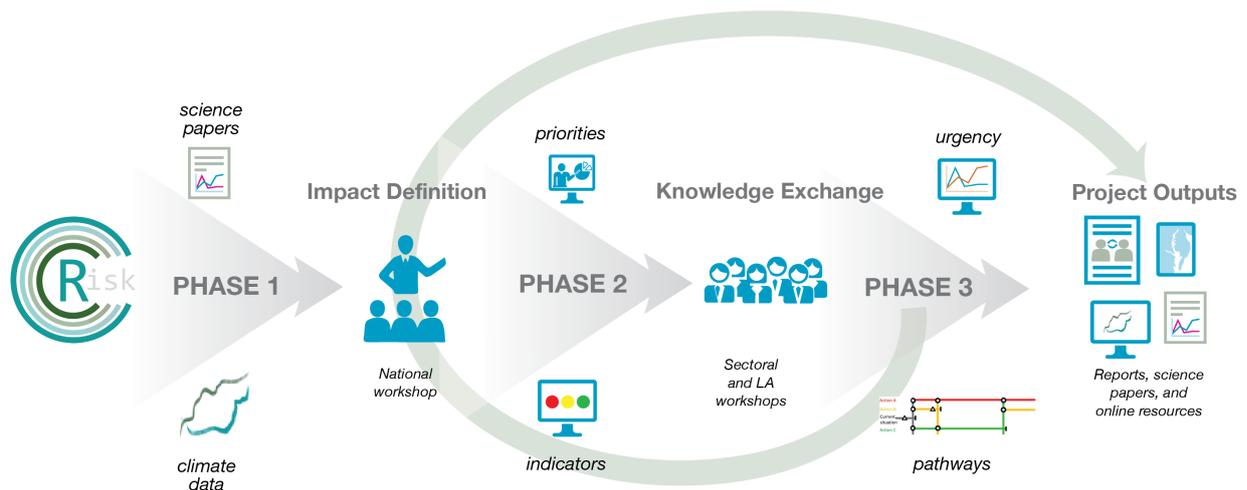
National Risk Assessment of Impacts of Climate Change



Changing climate and increased variability present many threats and risks to both human and biophysical systems at multiple scales. The outcomes of such changes will progressively affect all aspects of environmental functioning including social and economic landscapes. Impacts will be felt across key Earth systems operations (including the occurrences of extreme events and disasters) as well as social sectors like agriculture and rural economies; communications and transport; utilities and infrastructures; and industry and business.

Understanding the nature of current and emerging risks, as well as sensitivities and exposure to those risk, will provide critical information on the net effects of vulnerability and adaptation and what should the priorities be for the Ireland's National Climate Change Adaptation Framework (2012; expected 2017). Tracking variability using a variety of environmental quality and human and ecological health indicators will increase the capability of assessing climate risks and resiliency opportunities as they evolve.

This project seeks to develop an initial National Risk Assessment with the aim of contributing to the delivery of a Climate Resilient Ireland through sectoral and illustrative case study linkages.



PROJECT OBJECTIVES

1. A cross-cutting assessment of the climate risks affecting Ireland.
2. Assessment of scale (spatial and temporal) and magnitude of climate risks and their impacts under different scenarios including the degree of urgency in timing for actions.
3. Ranking and prioritisation of the likely severity of different risks and impacts within environment sectors.
4. Evaluation of the combined effects and synergies of different risks operating on sectors: on what these might be, the causes and circumstances under which these would operate.
5. Recommendations for local to national levels of the needs in response to risks and opportunities of appropriate actions: the timescales, approaches and the range of techniques/methods for use.

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