

Environmental Services Training Group

LOCAL AUTHORITY ENVIRONMENT CONFERENCE
2017

Protecting the Environment for Future Generations

Minella Hotel, Clonmel Wednesday 24th. May 2017.

Protecting the Environment for Future Generations

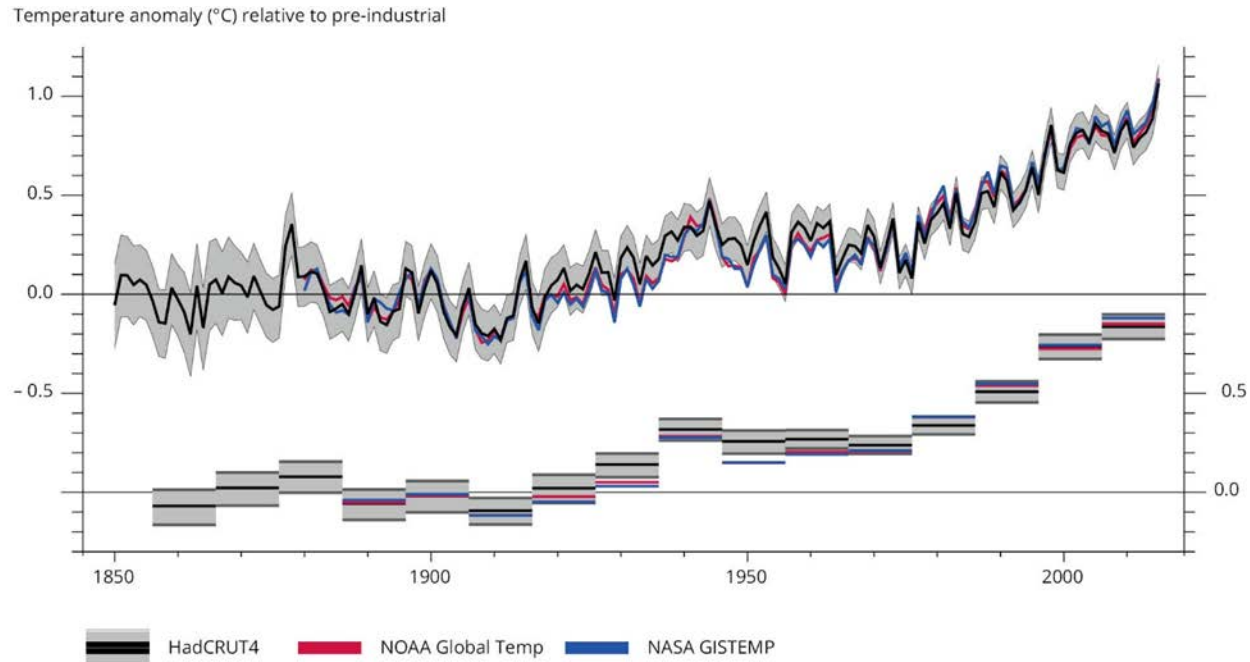
The Role of Local Authorities in Climate Action



John O'Neill
DCCAE

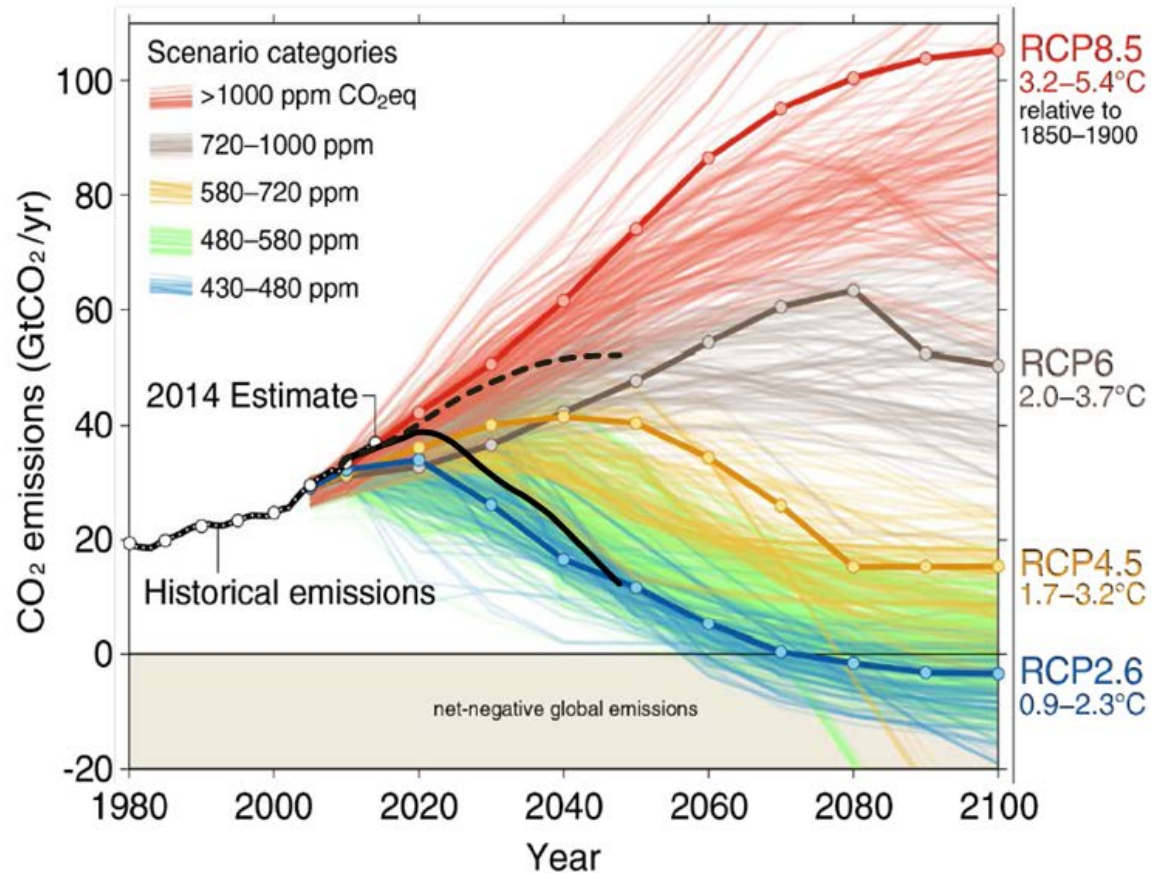


Global Temp – 1850-2015/16



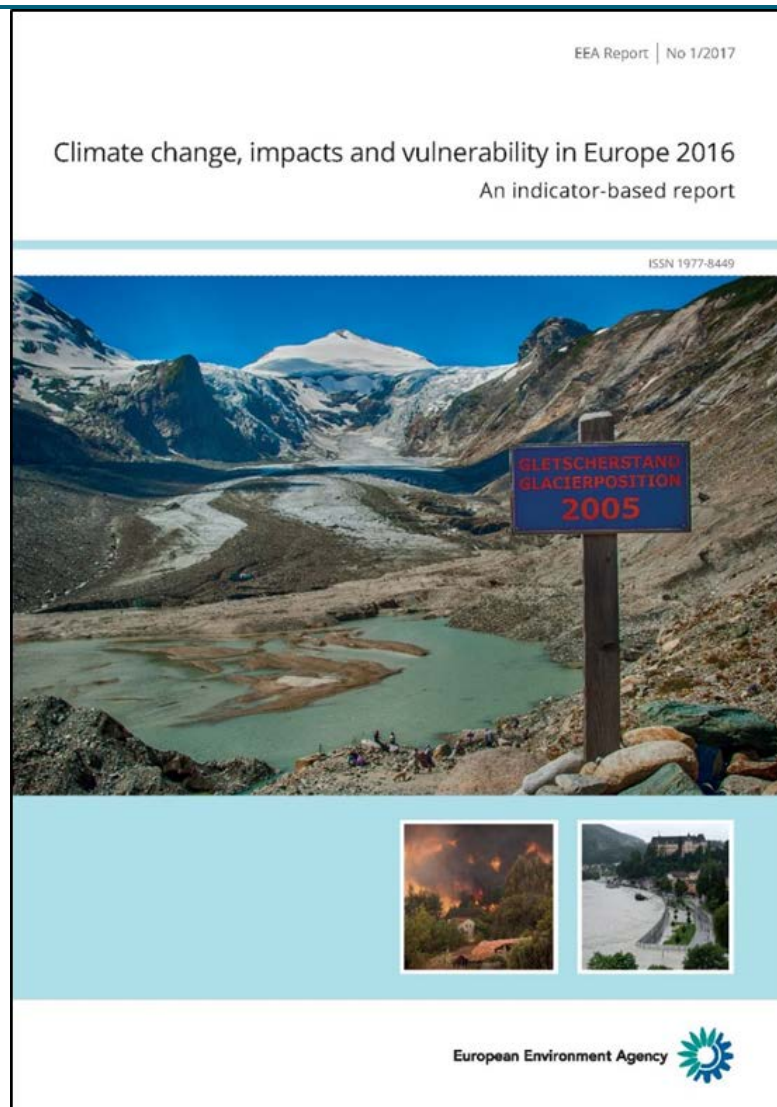
Source EEA

2 Degree Challenge (1.5?)

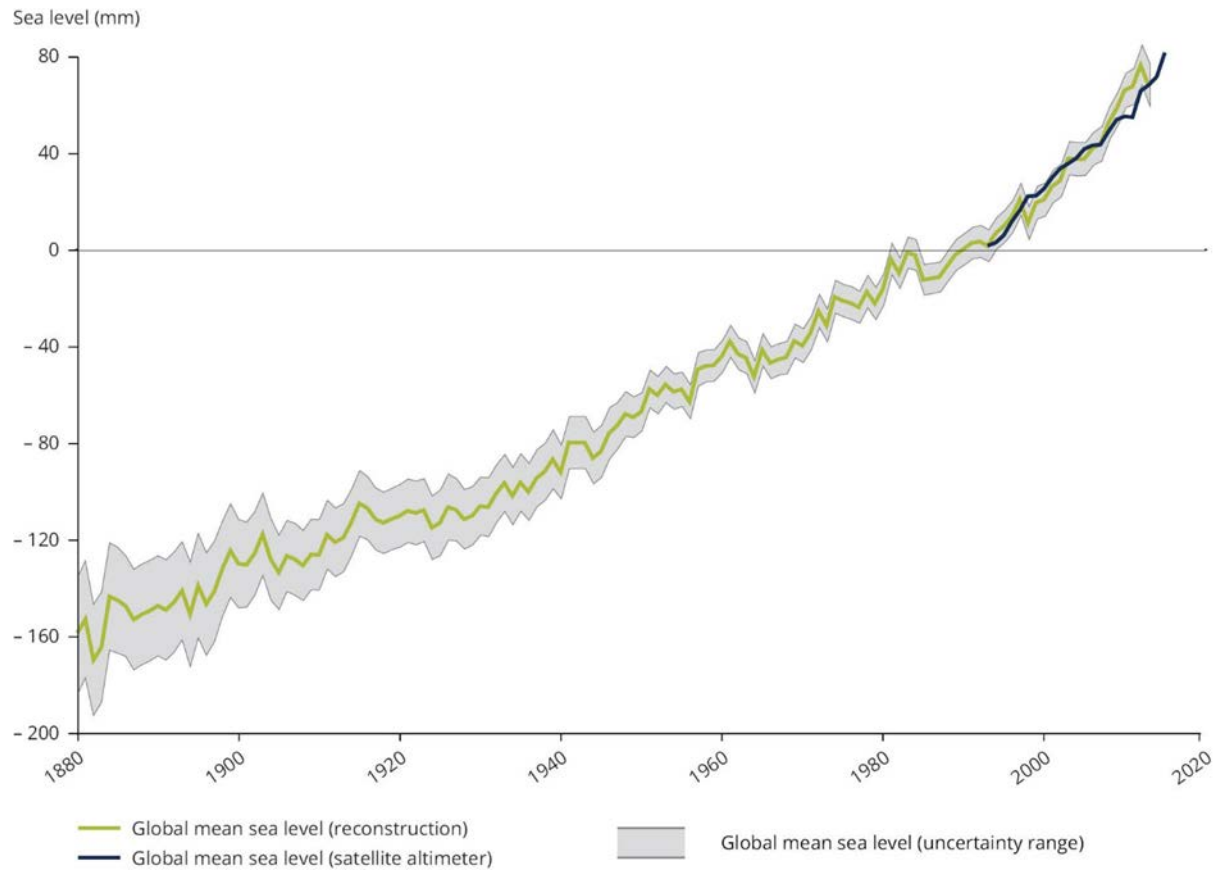


EEA Report 2016

- **Observed changes in extreme weather events** (heavy precipitation)
- **Observed impacts to climate change** – disease outbreaks/invasive species etc.
- **Future increases of climatic hazards** – heat waves, droughts etc.

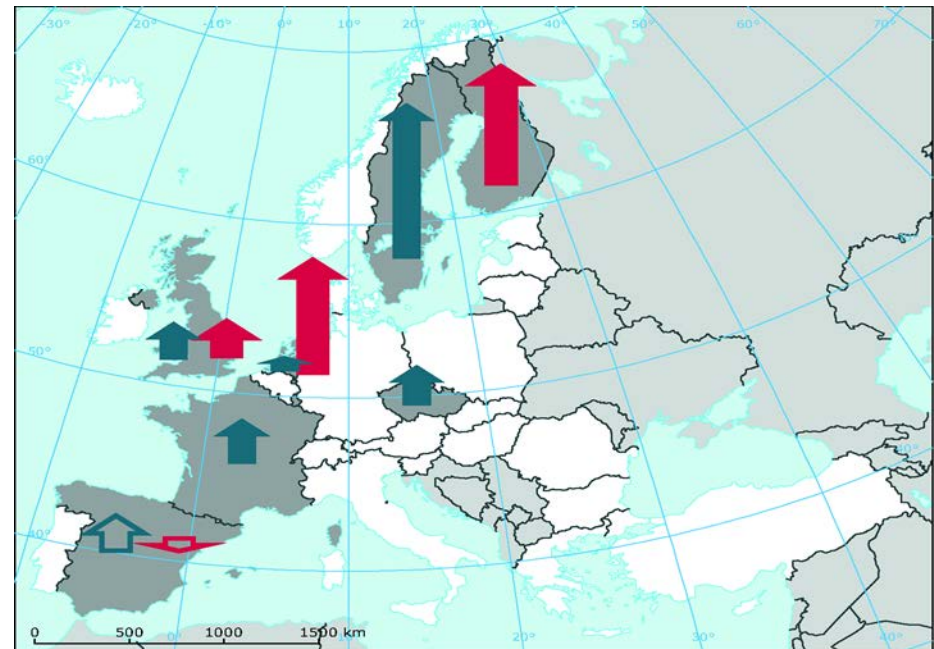


Global Sea Level Rise



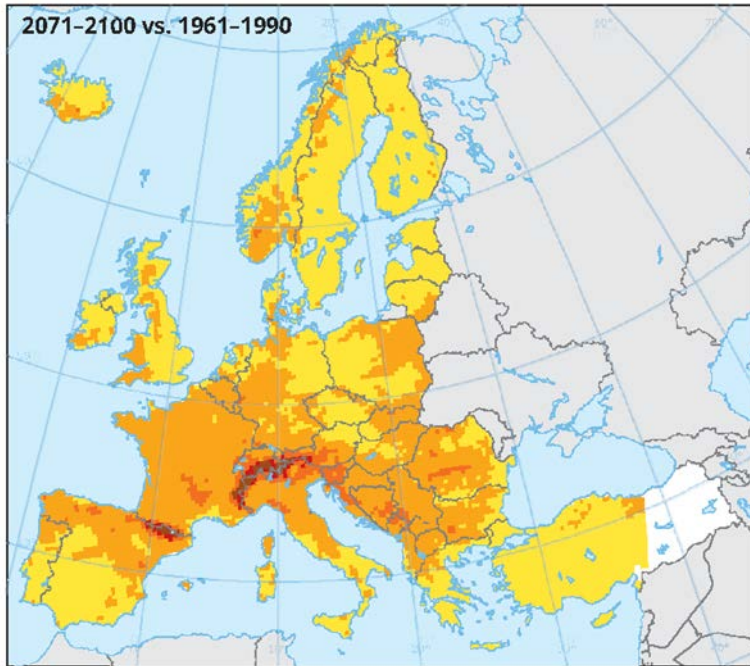
Ecosystems – Birds/Butterflies

- Trending Northwards
- Cold Adapted losing out to warm adapted!
- 9490 Bird Communities - 37km on average
- 2130 butterfly communities – 114km on average

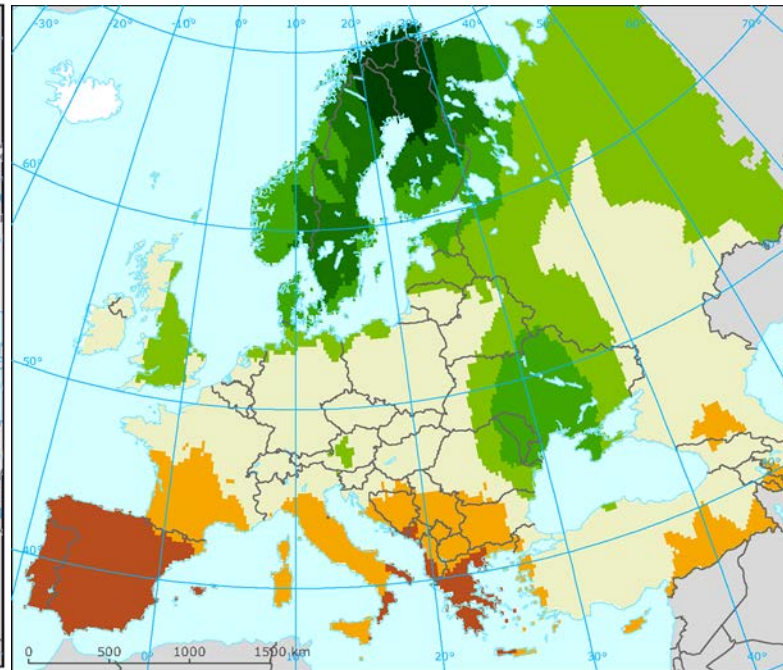


Crop yield/Forest Fires

2080



2050



Projected changes in water-limited crop yield

(%)

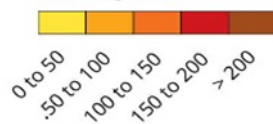
- 25 to - 15
- 15 to - 5
- 5 to 5
- 5 to 15
- 15 to 25
- 25 to 35
- > 35

No data

Outside coverage

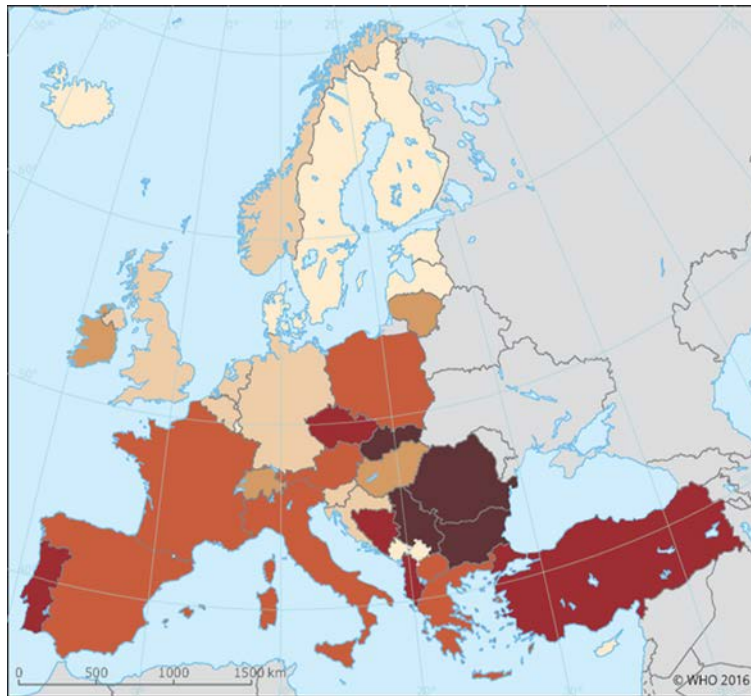
Projected change in forest fire danger

% change in SSR

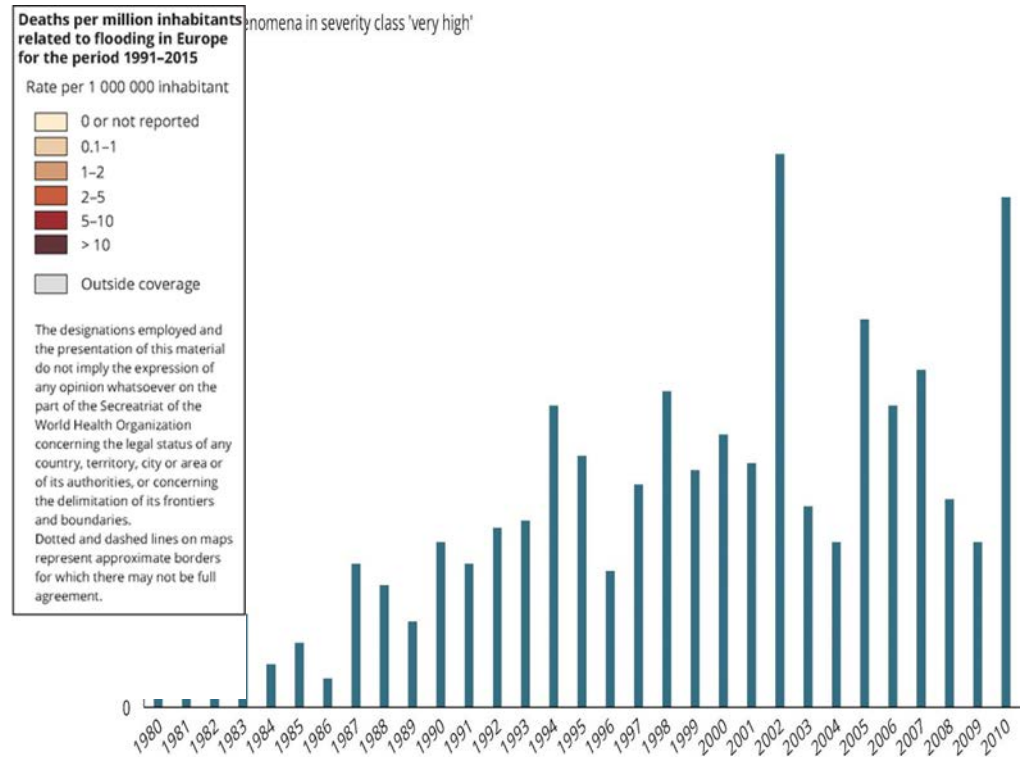


Flooding

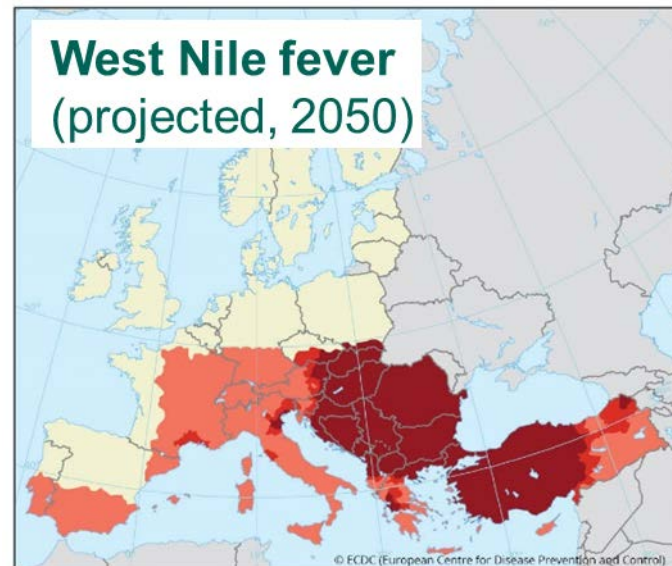
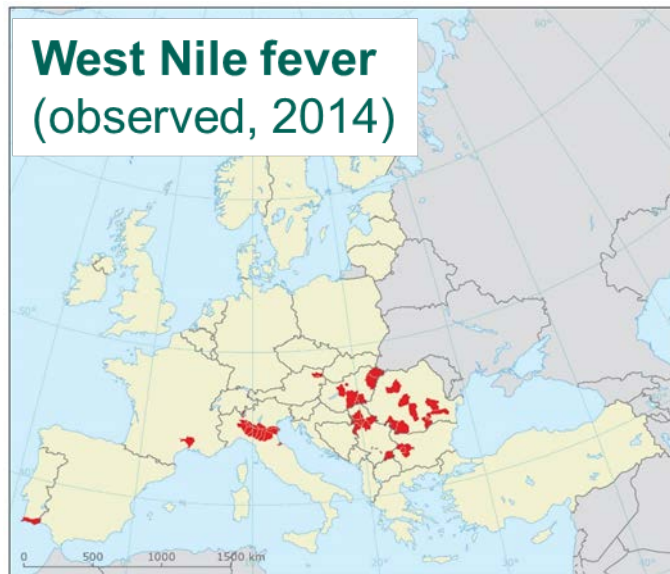
Deaths from Flooding 1991-2015



Very Severe Floods 1980-2010



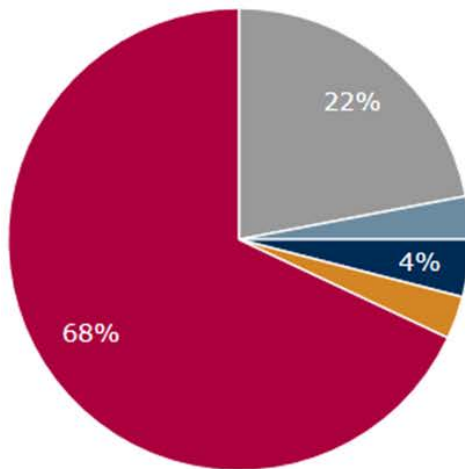
Spread of infectious diseases!



Impacts of extreme events – 1980-2015 (EEA)

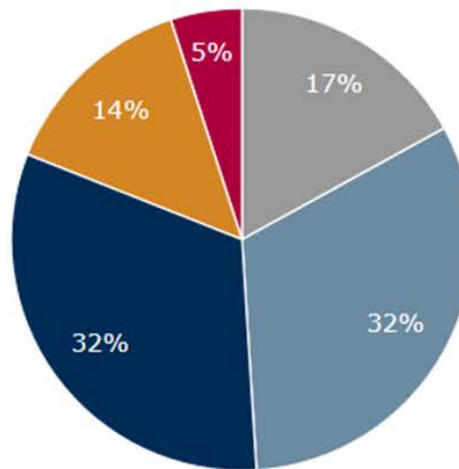
Fatalities

114 807



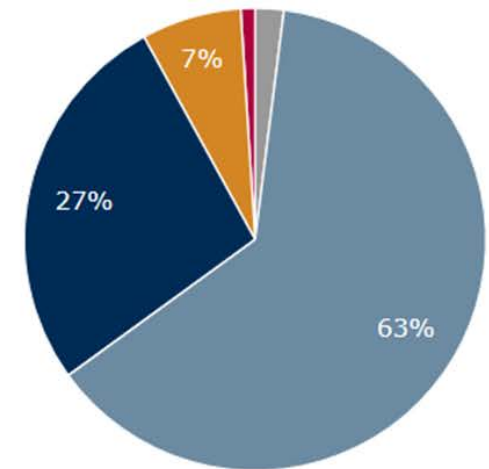
Total economic losses

EUR 520 billion (2015 prices)



Insured losses

EUR 155 billion (2015 prices)



● Geophysical events ● Meteorological events ● Hydrological events ● Climatological events ● Climatological event (heat wave)

International Response

- UN
 - Paris Agreement 2 degrees (1.5)
- EU
 - Targets - 40% Reduction by 2030 compared to 1990 (non ETS)
 - ETS
 - Internal burden sharing of effort required to ensure targets are split equitably and efficiently – on-going!
 - New Effort Sharing Decision – 2017?



National Response...

- **Publication of Policy 2014**
 - The low-carbon roadmapping process will be guided by a long-term vision of low-carbon transition based on –
 - an aggregate reduction in carbon dioxide (CO₂) emissions of at least 80% (compared to 1990 levels) by 2050 across the electricity generation, built environment and transport sectors; and
 - in parallel, an approach to carbon neutrality in the agriculture and land-use sector, including forestry, which does not compromise capacity for sustainable food production.
- **Climate Action and Low Carbon Development Act 2015**
- **Climate Change Advisory Council**



Climate Act...

- Preparation of National Mitigation Plan – 5 year
 - Public Consultation – April 26th
 - 124 submissions
 - Final Plan – June 10th
- Preparation of National Adaptation Framework
 - 2012 Framework
 - Public Consultation
 - Final Plan - Dec 10th
 - Role of Sectors



Local Authority Response...

- Low carbon transition
 - Role of Energy Agencies
- Climate resilience
- Awareness – Dialogue at local/regional level
- Leadership
- Regional Approach?

Workshops/Guidelines/Resources

Climate Change Research

Date: 29 November
Venue: EPA Regional Institute

Climate Change Science

November 12th - 13th
November 19th - 20th

Rationale: Under the National Development Plans, local authorities are mandated to include climate change adaptation in their development plans. This process is supported through its research programme, and the support of this activity.

Purpose: This one-day workshop is designed to provide local authorities with the tools that are currently being developed to integrate climate change adaptation into local authority planning.

Aim: The workshop aims to introduce local authorities to the process of developing an adaptation strategy, and to discuss the means of mainstreaming the strategy into development planning.



Selected Agenda Items:

- The science of climate change
- The adaptation policy context
- A guideline for Local Authorities
- Information sources available
- How to utilise funding via the National Adaptation Fund

Places are limited, please book early

Rationale: The Climate Change Act 2009 mandates local authorities to include climate change adaptation in their development plans. The EPA provides information and analysis in support of local authorities.

Purpose: The seminar will show case existing climate change adaptation measures. It will also seek to understand the challenges to decision-making.



Selected Agenda Items:

- Climate Policy
- The Science of Climate Change
- Information Support
- Flooding and Adaptation
- Climate Adaptation

Places are limited, please book early



Welcome, Barry!

ABOUT US HOME LOGOUT

Climate Ireland

CLIMATE CHANGE - ADAPTATION - CLIMATE INFORMATION - SECTORS - TOOLS RESOURCES - CONTACT US

Welcome to Climate Ireland

Climate Ireland provides informational support and advice to help organisations, sectors and government to adapt to the inevitable consequences of climate change.

This work involves:

- Enhancing knowledge and raising awareness
- The provision of information required for climate adaptation
- Facilitating decision-making for adaptation

What do you want to do?

Learn more about Climate Change

Explore Climatic Information

Learn about Climate Adaptation

Examine the Sectoral Impacts

Latest News

July

TEMPERATURE PROJECTIONS FOR IRELAND

In collaboration, researchers from Met Éireann, UCD and the ICHEC have published high resolution temperature projections for Ireland by the mid century. [Click here.](#)

June

NEW REPORT ON THE UK'S ADAPTATION PROGRESS

A new report provides a comprehensive update on the UK's adaptation progress and identifies areas for further actions. [Click here.](#)

For more news, click [here](#).

We hope that you find the climate Ireland Resource informative and useful. In order to further develop and enhance the resource, your feedback would be of great value. We would appreciate it if you could take the time to complete a short questionnaire on your experiences of the resource.

Please click here to take part in this questionnaire survey

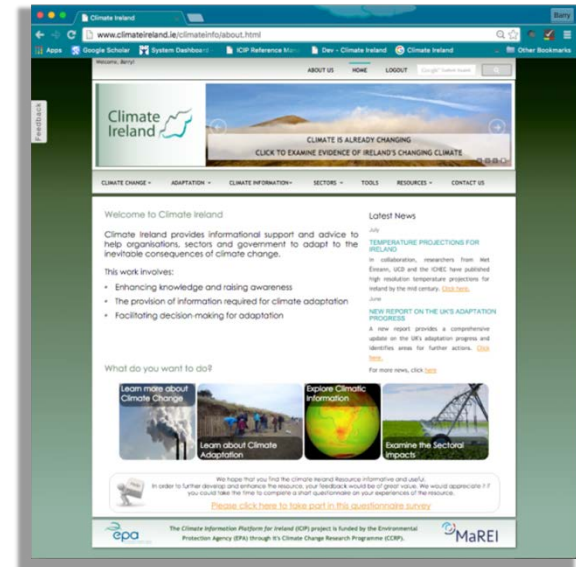
The Climate Information Platform for Ireland (ICIP) project is funded by the Environmental Protection Agency (EPA) through its Climate Change Research Programme (CCRP).

MaREI



Research

- Climate Ireland
- Irelands Climate Futures
- Adaptive responses to Climate Impacts – ARC
- Critical Infrastructure Vulnerability to Climate Change
- Irelands climate change risk assessment
- UrbAdapt – Climate Change impacts within the Urban Environment



A Dialogue on Climate Action?



Don't Wait. Communicate.

Make your plan.

Ready.gov

Ad
Council

READY
NEW YORK
NYC OFFICE OF EMERGENCY MANAGEMENT

NYC
Emergency
Management



National Dialogue on Climate Action

- Programme for Government
- 2 years initially
- Advisory Group
 - Independent Chair
- Regional Gatherings
- Green Schools
 - Climate Ambassadors
- Role of Media
- The National Planning Framework?



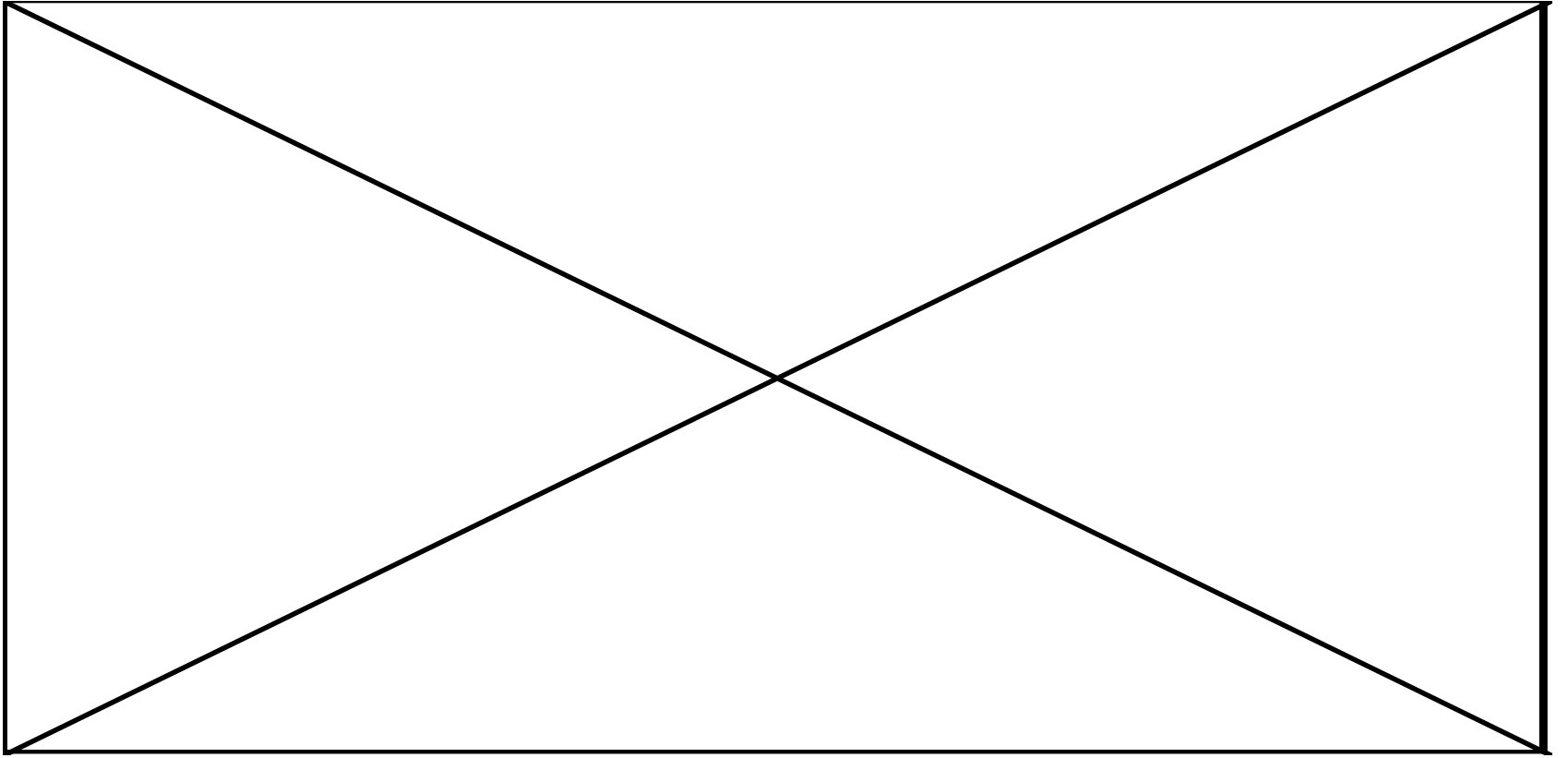
Covenant of Mayors

Dublin Regions
Kilkenny
Carlow
Tipperary
Limerick



Covenant of Mayors
for Climate & Energy





Thank you.....



- Questions?