



MaREI

Centre for Marine and
Renewable Energy

A World Leading SFI Research Centre



Science
Foundation
Ireland For what's next

GREENHOUSE CARBON BUDGETS - HOUSEHOLD METAPHOR'S BRIDGING THE SCIENCE - POLICY INTERFACE ON CLIMATE CHANGE

Dr James Glynn

Metaphors of Transformative Change
Environmental Research Institute, University College Cork
15th September 2017





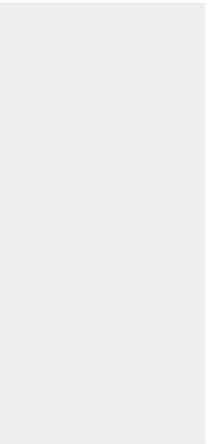
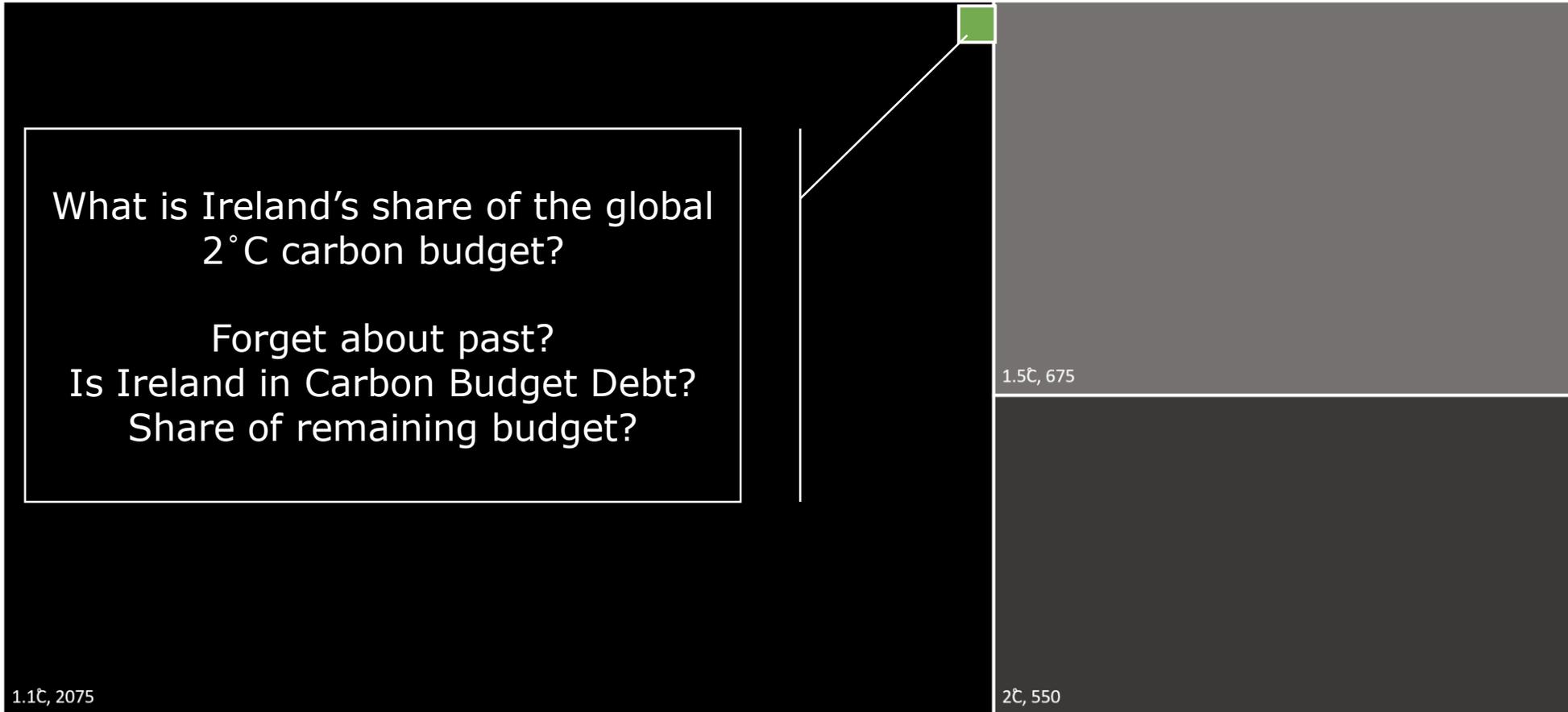
NASA Earth's City Lights - 2012
<http://earthobservatory.nasa.gov/Features/NightLights/>

Simple Science-Policy Message: Carbon Budgets

Temperature increases about 0.5°C for every 1 trillion tonnes of CO₂ emitted



Carbon Budgets (GtCO₂)

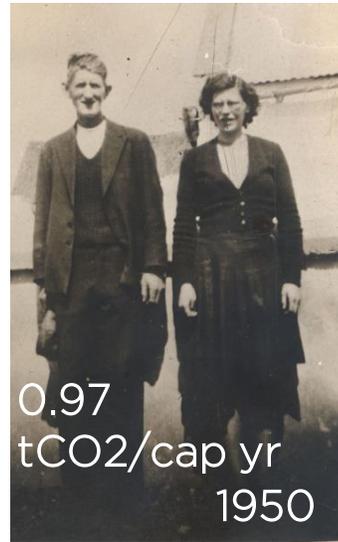


■ 1.1°C ■ 1.5°C ■ 2°C

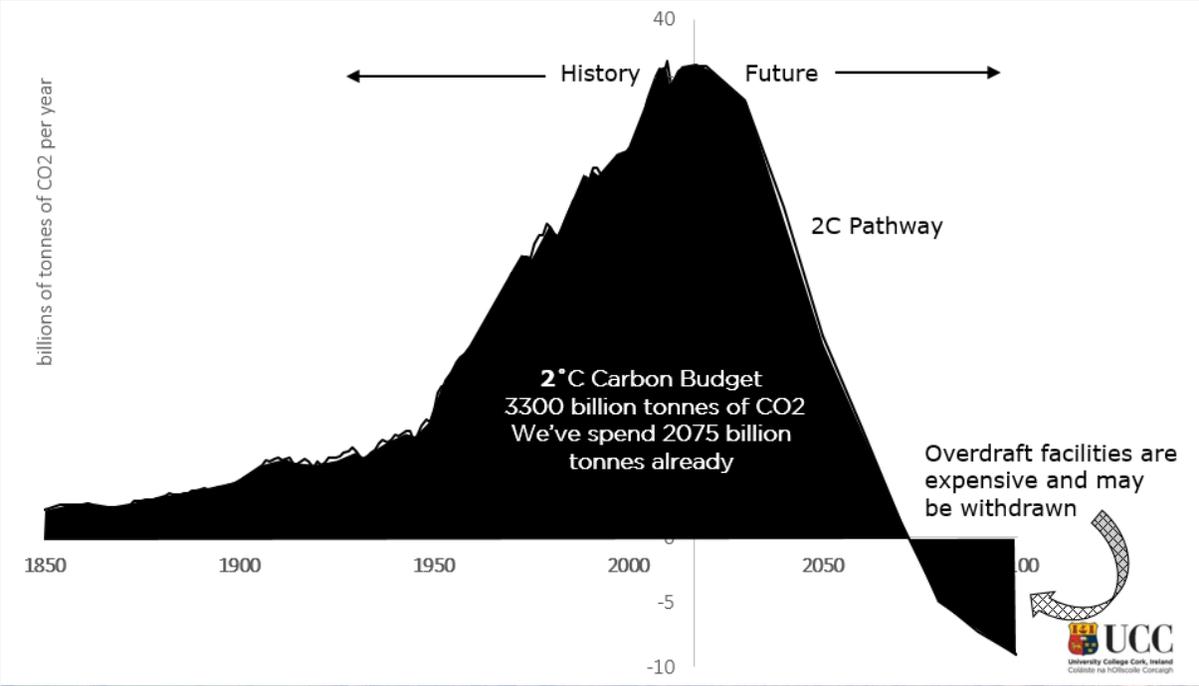




Intergenerational transnational equitable budgets



My nephews
Morgan
& Charlie
(& Sylvain my
brother in law)



Intergenerational transnational equitable budgets



My nephews
Morgan
& Charlie
(& Sylvain my
brother in law)



A World Leading SFI Research Centre



Thank you
QUESTIONS?



MaREI

Centre for Marine and
Renewable Energy



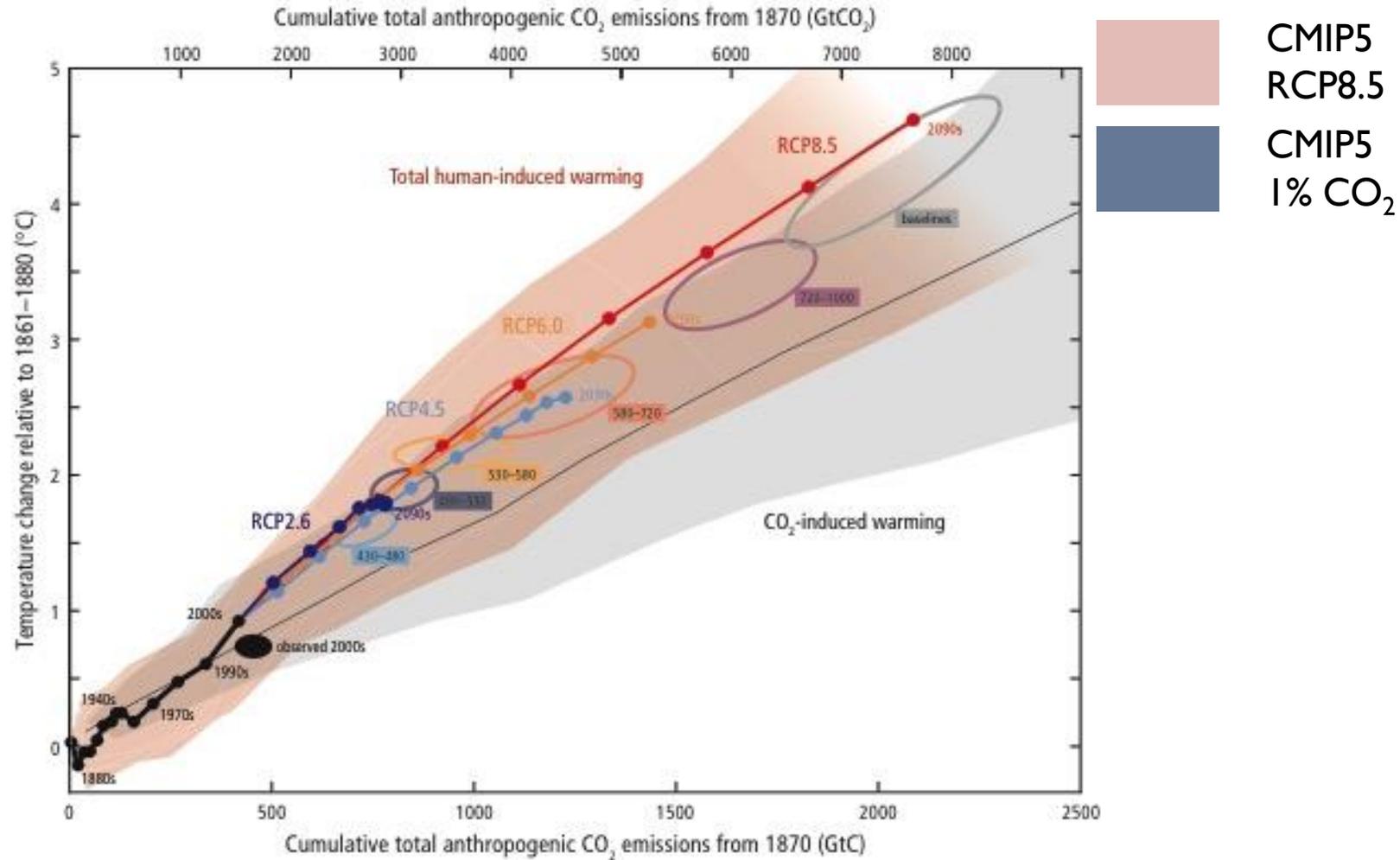


Environmental Research Institute
Instiúid Taighde Comshaoil

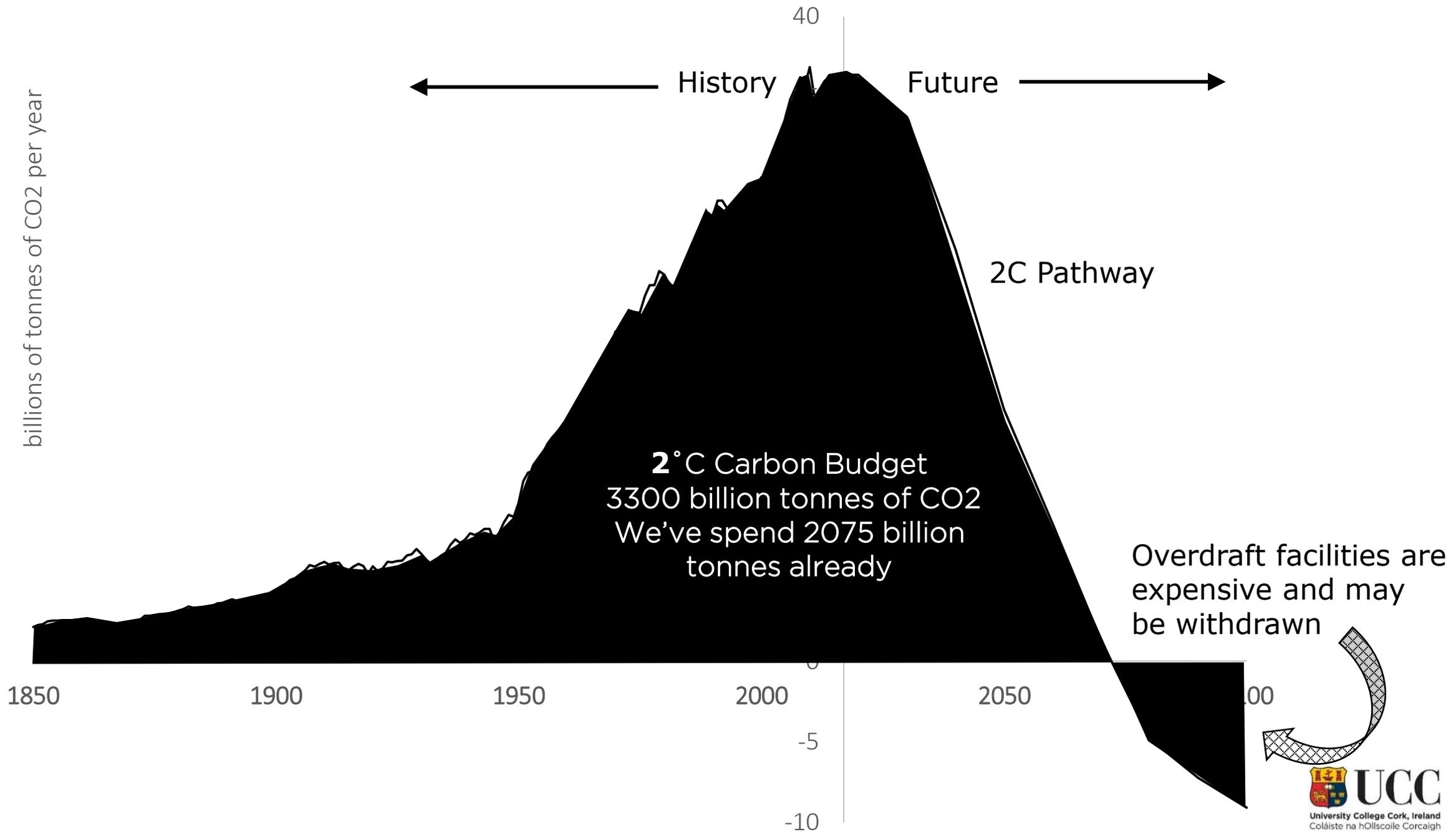
Energy Policy and Modelling Group
www.ucc.ie/energypolicy



Peak warming depends on **cumulative** carbon emissions, but budgets are uncertain



billions of tonnes of CO2 per year







Lahinch Beach, IRELAND
- Monday, January 6th 2014



Lahinch Beach, IRELAND -
Sunday, December 29th 2015