

línte na farraige



Wexford Town and Harbour

TIDE GAUGE:
WEXFORD HARBOUR

WEXFORD COUNTY COUNCIL

INSTALLATION BY **Timo Aho & Pekka Niittyvirta**

Línte na Farraige is a series of light installations across Irish coastal sites. The lines of light represent future sea level rise, based on predictions from the 2021 Intergovernmental Panel on Climate Change report, and historic storm surge data. The installations, designed by artists Timo Aho and Pekka Niittyvirta, demonstrate the need to reduce our greenhouse gas emissions and adapt together to protect our coastlines, communities and infrastructure from the effects of climate change.



www.lintenafarraige.com
@lintenafarraige
#lowertheline

— Sea Level Rise

Globally, sea levels are rising at a rate of 4 millimetres per year, primarily due to climate change. Increasing air and ocean temperatures are causing melting of ice sheets and glaciers, as well as the expansion of sea water as it heats up. Human activities, such as transport, heating, electricity, agriculture and air travel, have warmed the atmosphere and oceans by releasing greenhouse gases.

In February 2014, this area of Wexford was flooded following Storm Darwin. The line of light here represents the level that would be reached by a similar storm surge in the year 2150 when sea levels have risen by 1 metre, due to moderate climate change.

— Impact

Sea level rise will put coastal communities at risk all over the world, as waters flood low-lying areas and force people to leave their homes. The impacts of storms, that produce extremely high seas and coastal flooding, will be more severe. In Ireland, 40% of the population live within 5 kilometres of the coast and so sea level rise and storm surges are likely to have major social and economic impacts. In Wexford, coastal infrastructure, including key transport networks, sanitation systems, businesses and homes will be at risk from flooding and coastal erosion, as well as coastal ecosystems, habitats and species.

— Action

Reducing global greenhouse gas emissions will mean that we can avoid the worst-case sea level rise scenario predicted by scientists. In Ireland, we can work together to support policies that champion a low carbon future and take individual actions to reduce our carbon footprint, like reducing our use of fossil fuels, taking less flights, insulating our homes, using more active travel or reducing food waste. Whilst we can work together to 'lower the line', some sea level rise in the future is inevitable given our historic emissions. We therefore need to support initiatives that will protect our coastlines, such as the restoration of wetland ecosystems, sea defences, and planning and regulatory measures to prevent development in at-risk areas.



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin



Maynooth University
National University of Ireland Maynooth



Creative
Climate Action



Clár Éire Ildánach
Creative Ireland
Programme
2017-2022



Rialtas na hÉireann
Government of Ireland



Tionscadal Éireann
Project Ireland
2040



Comhairle Cathrach na Gaillimhe
Galway City Council

WITH SUPPORT FROM
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Taitteen edistämiskeskus
Centre for konstfrämjande
Arts Promotion Centre Finland



Foras na Mara
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KOPONEN
HILDÉN

Línte na Farraige is a recipient of the inaugural Creative Climate Action fund, an initiative from the Creative Ireland Programme in collaboration with the Department of the Environment, Climate and Communications that supports creative, cultural and artistic projects that build awareness around climate change and empower citizens to make meaningful behavioural transformations.

Please help us to evaluate the impact of this Creative Climate Action experience by scanning the QR code and completing a short questionnaire.

This research is being carried out by the MaREI Centre for Energy, Climate and Marine Research at University College Cork and is funded by Creative Ireland.



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