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### Submission to The National Framework Plan 2040

I would be grateful if you could accept the following submissions to the above Plan Draft as follows, (1) Summary of Housing Solutions, (2) Working Solutions, (3) Climate Change and Coastal Protection.

1. Housing Solutions as the attached.
2. Working Solutions

Promote and provide incentives for the following:

(a) Work from home office units, village and small town business development units. All of this will allow for a quality of work life balance and some millions of travel hours per week.

- 3) Climate Change and Coastal Protection.

a) Reclaim, Repair the Coastlines with the €5 Billion that is needed to deal with Climate Change on our Coastlines and river areas.

b) Fund this from E.U. and Central Government Funding now. If we don't start this work all around the coast now the costs will double with the winters of storms ahead.

These works have all been done in parts of the U.K. and the same consultants and contractors have bases here.

All the research has been done for the works completed in the U.K.

  
25/10/2017.

Christopher O'Rourke



By LYNN KELLEHER

**IRISH SCIENTISTS** have issued a stark doomsday warning about large swathes of the country going under the sea to climate change.

In a grim global warming special on RTE's flagship environment series Eco Eye, it is warned that sea level rises due to climate change could leave two per cent of Dublin

swallowed by the ocean. Professor Robert Dewey, from the Coastal Marine Research Centre (CMRC), estimates that it will cost at least €5bn to protect our most populated cities and the most critical areas of the Irish coastline.

He warned the low-lying cities of Cork, Dublin, Belfast and Galway will find it "very difficult" to defend against violent storm surges and rising seas in the coming decades.

Professor Dewey, who is one of the country's leading experts on global warming, warned of a "doomsday scenario" if climate change continues at the current pace.

He said: "Climate change is a reality. It's here. That's something as a society we haven't bought into. It will be a very difficult problem for Dublin, Cork, Belfast, Galway and what is com-

# Scientists issue doomsday warning about Irish cities becoming lost to the sea

ing down the tracks is a significant warming of the planet. The last time it warmed of this order, 88 per cent of life on earth disappeared.

"Given the nature of politics being short-term, it's the last thing on our politicians' minds."

## EXTERMINATE

"I have five grandchildren. Whatever time is left to me it doesn't matter, but for them at the age of four and five I can see we have significant problems to solve."

"We can't wait any longer for reducing carbon emissions and making significant changes."

In RTE's climate change special, a series of scientists give a hard-hitting message about the catastrophic dangers of global warming, which will make last year's extreme storms and flooding seem tame.

If catalogues how the last decade has been the hottest on record and how plant and animal species are going extinct at times faster than before due to the

unprecedented changes taking place on the planet.

*Irish climate experts have predicted that houses and other assets along the coast may have to be abandoned to the rising tides of the sea as it will be too costly to protect them.*

Dr Barry Dwyer, environmental scientist with the Coastal Marine Research Centre at the Irish Naval Headquarters, said climate models show that two per cent of the capital is in danger of being swamped by the sea, along with more than three per cent of northern counties.

He said: "The big problem is storm surges that we have in Ireland with sea level rises, and then add another storm surge on top of that and that becomes a two-metre storm surge."

"In the more northerly counties we are looking at up to 3.5 per cent of the entire land area being inundated, and that doesn't account for the big wash that would come off the storm surge and the destruction from that."

In Eco Eye, presenter Duncan Stewart travels to the geologically spectacular country of Iceland to show how melting glaciers across the planet are contributing to sea level rise and climate change at an alarming rate.

Eco Eye reports how NASA scientists discovered just last year that a huge section of the west Antarctic ice shelf has begun an irreversible calving into the sea, which on its own will raise sea levels by an additional metre above the current accepted figures.

## RIVERS

As global warming increases, so will the quantity of rain, which will put huge pressure on our rivers, with the Office of Public Works identifying at least 300 areas of Ireland which will suffer from increased flooding.

Gabhal O'Mahony, Coastal Research scientist with the CMRC, said: "We've concentrated a lot of things along our coastline. Be it our urban centres, our road or rail networks and even our leisure time."

"The strategy is really going to involve a lot of agencies working side by side."

"No one organisation is going to have the answer to climate change."

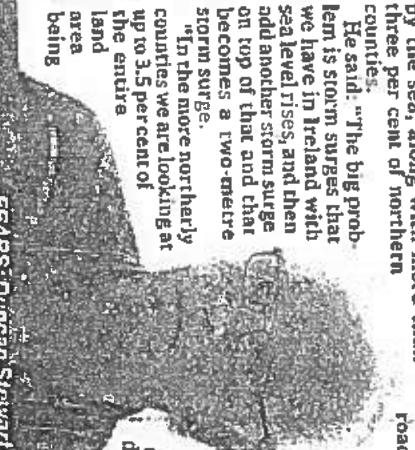
He said certain areas of the coastline may have to be sacrificed.

He said: "We need to make decisions on where perhaps we can defend and where we can retreat." Eco Eye will be shown on RTE One on Tuesday, January 5, at 7pm.

GRIM: Robert Dewey



FEARS: Duncan Stewart





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OR  
Christopher  
O'Rourke  
Group

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## Summary of Housing Solutions

1. Deliver climate change housing solutions at fifty per cent of current delivery costs.
2. Promote the introduction and continued supply of growing numbers of alternative housing solutions.
3. To promote with social planners around the country the bringing into use of the 270,000 one-off to four-off serviced infill sites when and where needed and will deliver housing at fifty per cent of current delivery costs.
4. To help deliver the use of 120,000 empty nester home sites for parents to move to two bed dwellings on their home sites and deliver the family home to the next generation at a discount and more importantly keep the family units together.
5. To suggest the increasing of the exempted development size from 40 sm to 60 sm. This would allow 45,000 housing family solutions within six weeks.
6. To promote the reduction of open spaces in housing spaces from fifteen per cent to ten per cent and provide sites for an additional 60,000 dwellings at low cost when and where needed.
7. The promoting of bringing back to use of unoccupied dwellings, 110,000 units. The total number of units or sites in above is 605,000.
8. To promote on an ongoing basis the building of communities and promoting social inclusion by suggesting small business development units in every town and village in Ireland.

  
Christopher O'Rourke,  
Plannina Partner.

SUMMARY OF MY SUBMISSION

TO THE NATIONAL FRAMEWORK PLAN 2040 AND FURTHER DEVELOPMENT PLANS

Building Communities Promoting Social Inclusion