

# Strategy takes time

## Time for a transformational change at the coast?

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Contributions

Drawing on EU Interreg C5a and CCC and ECF

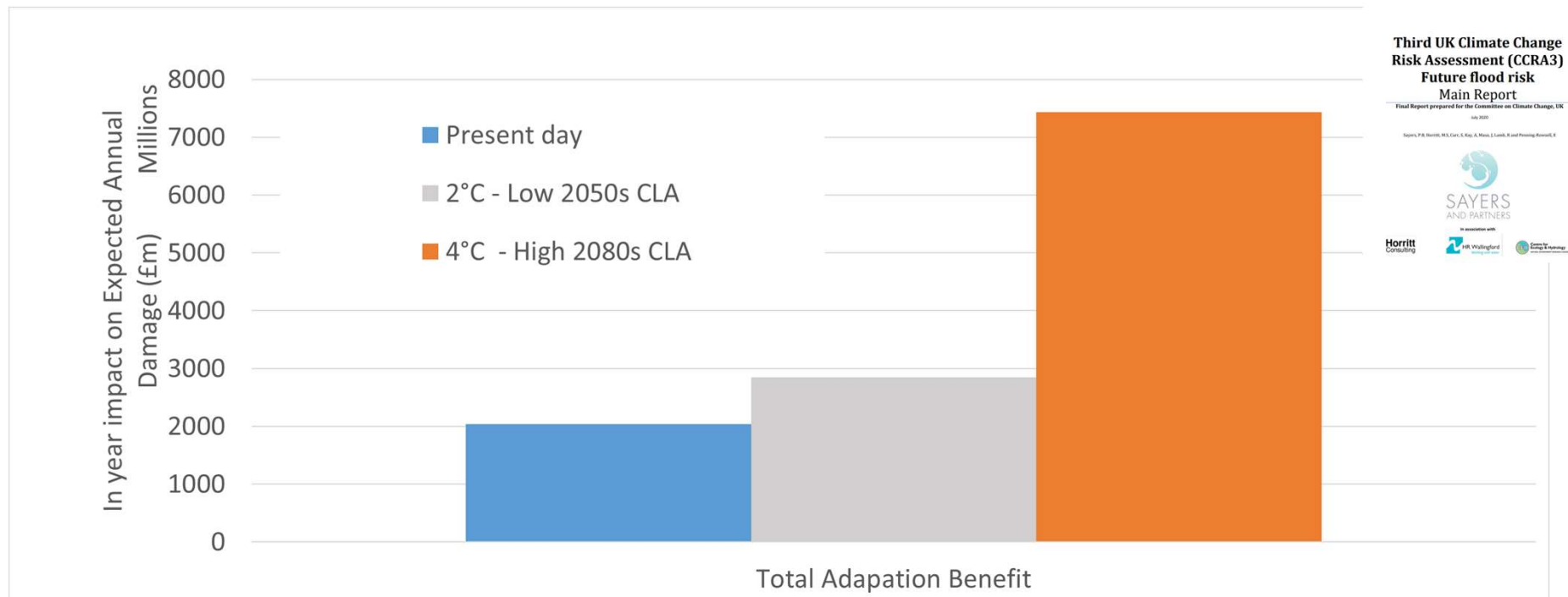
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# The opportunity is now .... Adaptation

Flood related adaptation will be a significant cost - if simply focused on **conventional risk reduction approaches this would be a wasted opportunity**...**proactively** seek multiple benefits ....

Growth in the 'managed flood risk' by 2080s in the UK



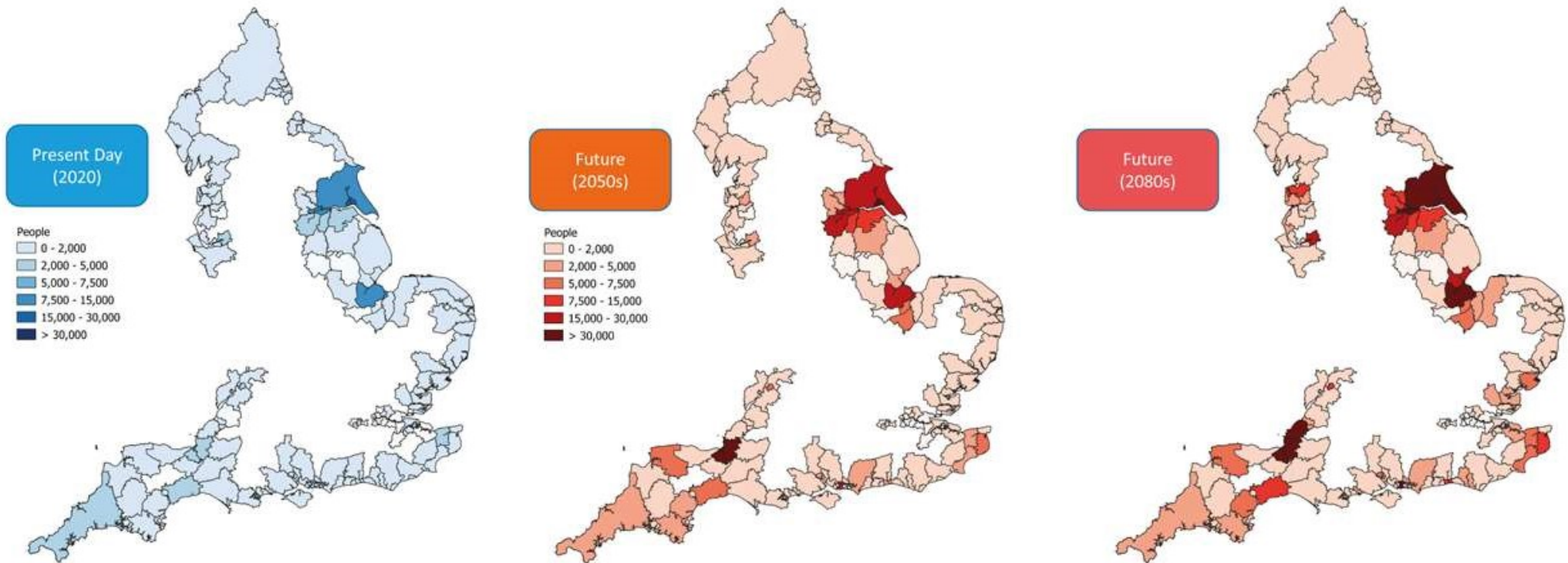
from Sayers et al, 2020– UK Climate Change Risk Assessment – Flood projections

# Different places face different challenges..

Sometimes this will mean implementing **radical change** including relocation – but this takes time to plan and communities supported.

0 50 100 km

— Changing coastal risks – today to 2080s →



Source Sayers et al, 2022



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Responding to climate change around England's coast - The scale of the transformational challenge

Paul Sayers <sup>a, b, c, d</sup>, Charlotte Moss <sup>a</sup>, Sam Carr <sup>a</sup>, Andres Payo <sup>e</sup>

# Innovations will be needed...in planning

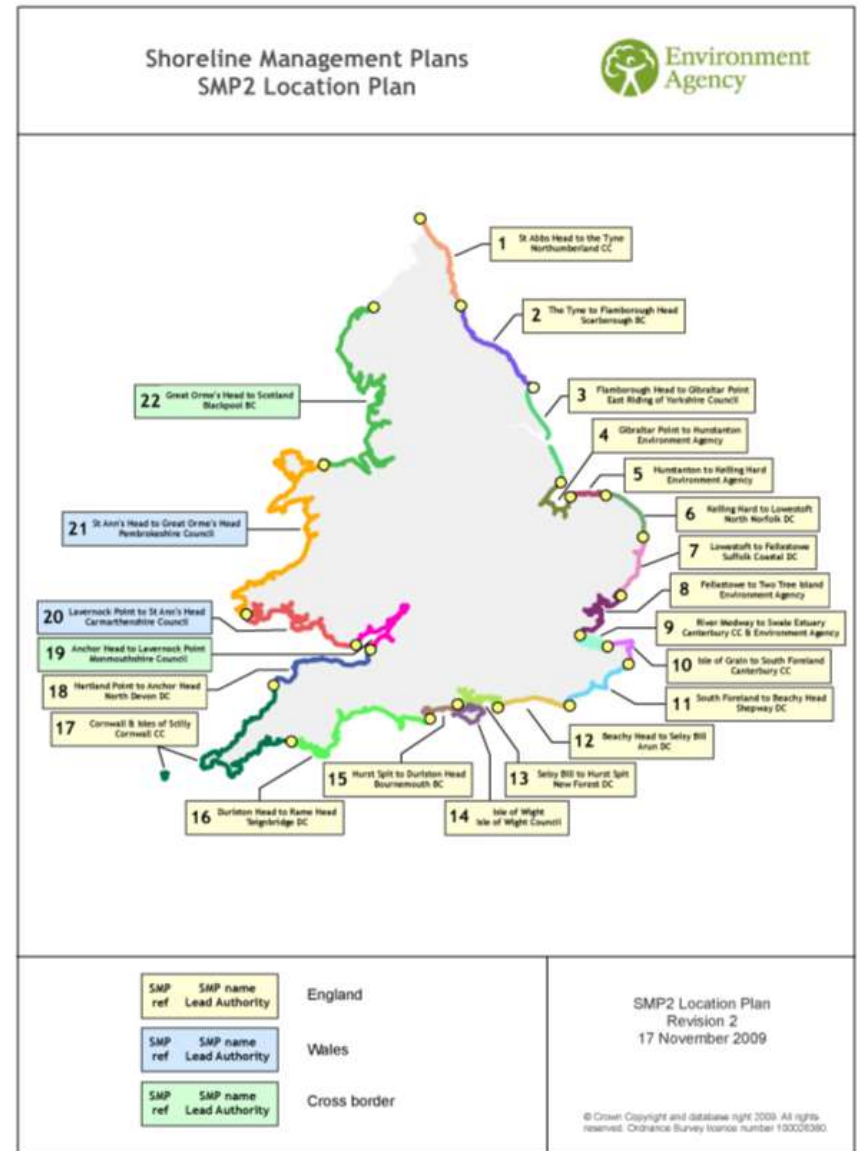
## UK Shoreline Management Planning process..

Hold-the-Line – Managed Realignment – Advance the Line or No Active Intervention

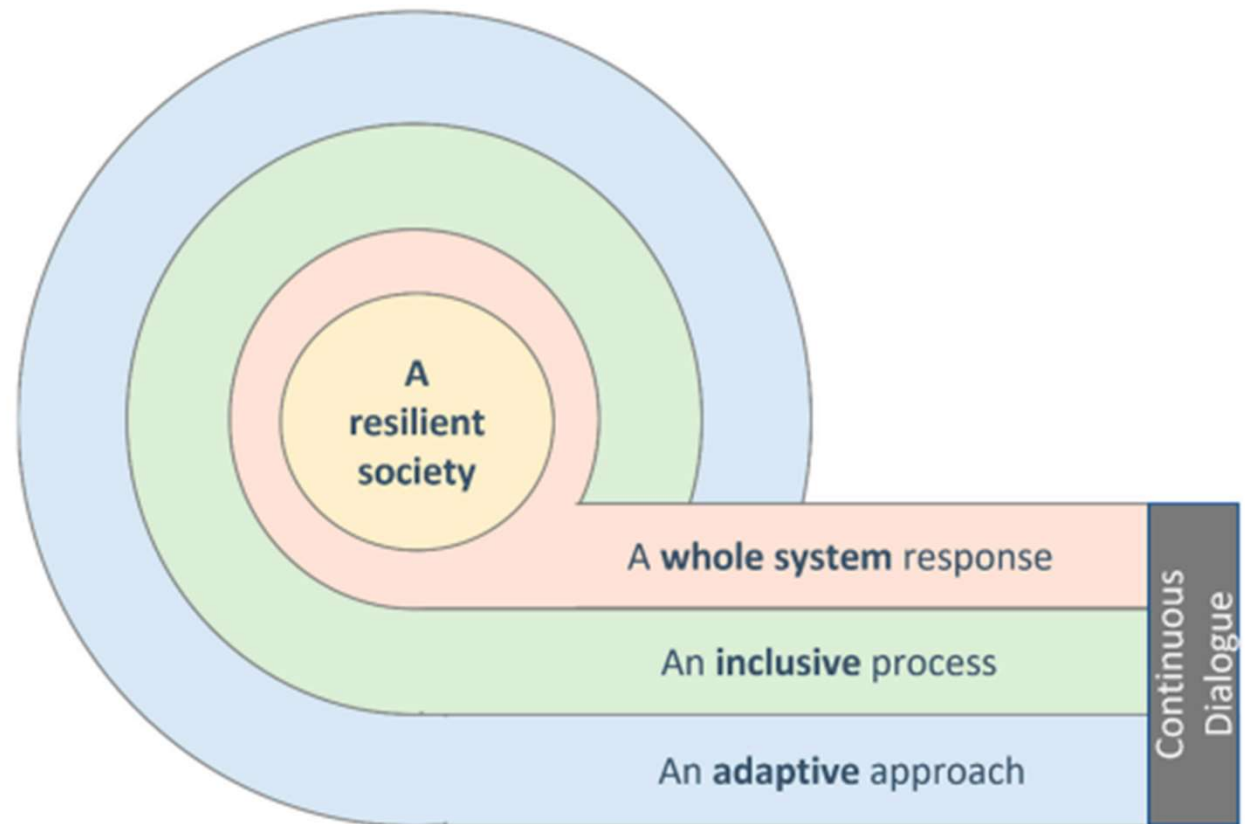
Other countries, such as Belize and New Zealand, are using the UK's SMP approach as a starting point.

They find they are able to go further than in the UK: integrate more fully with Planning, and introduce an actual decision pathway approach, in close collaboration with communities.

Communication with Jaap Flikweert - RHDHV



## Supporting a Cloud-to-Coast Approach



**Figure 1.** The four pillars of the Cloud to Coast framework to support the transition to a resilient society.