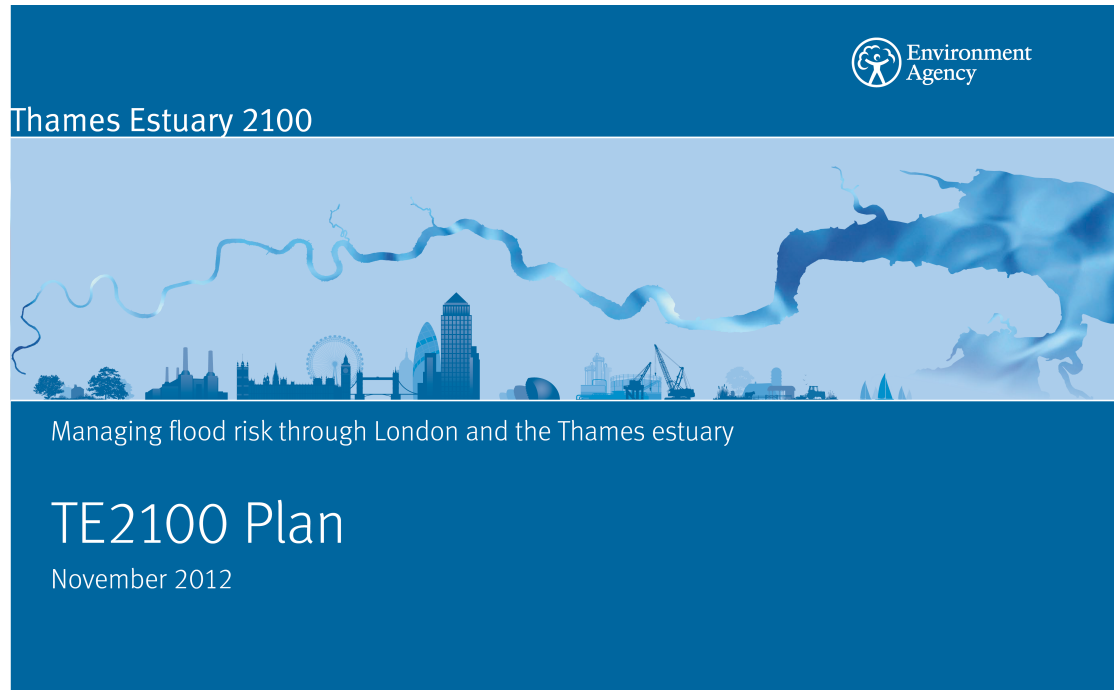


The Thames Estuary 2100 perspective



Presented by: Anna Robotham and Andy Beverton

Met Office Sea Level Workshop

September 2021

Contact us: ThamesEstuary2100@environment-agency.gov.uk

What is Thames Estuary 2100?

Long-term strategic flood risk management plan for the Estuary

Plan area includes:

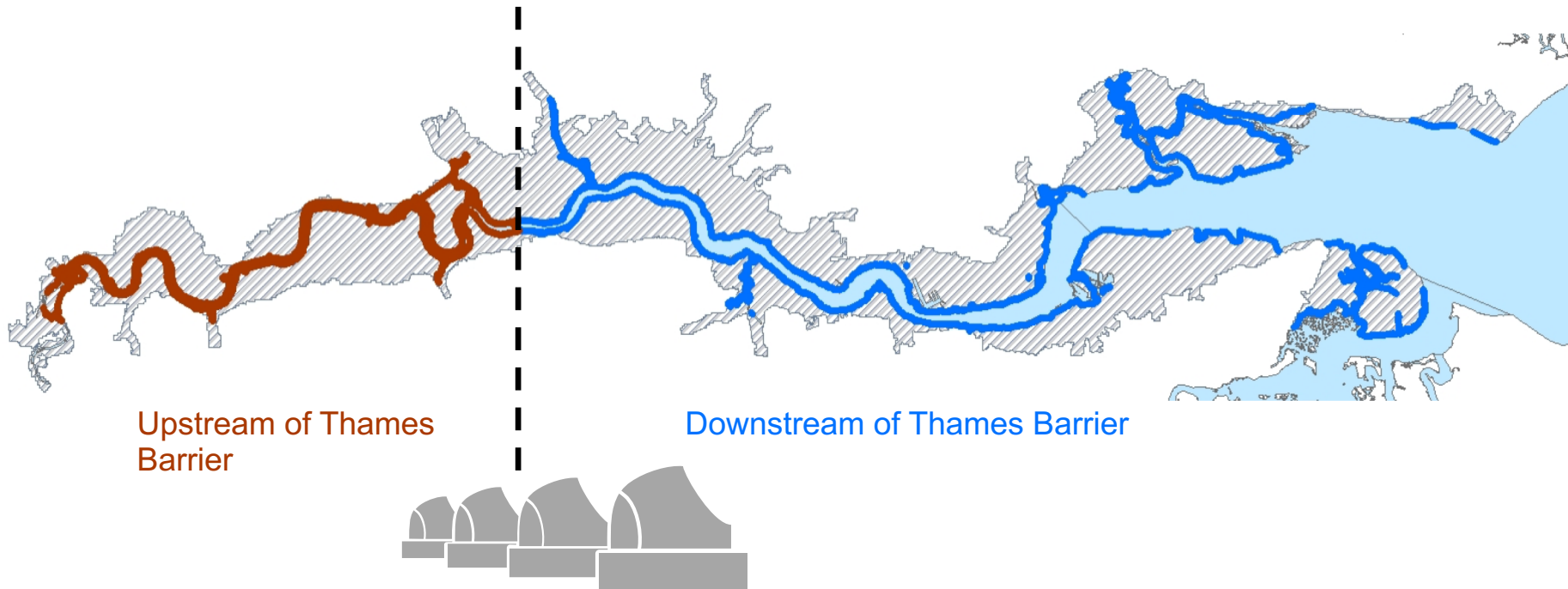
- 1.42 million people
- £321 billion worth of residential property
- Over 3000 flood walls and embankments

Key drivers:

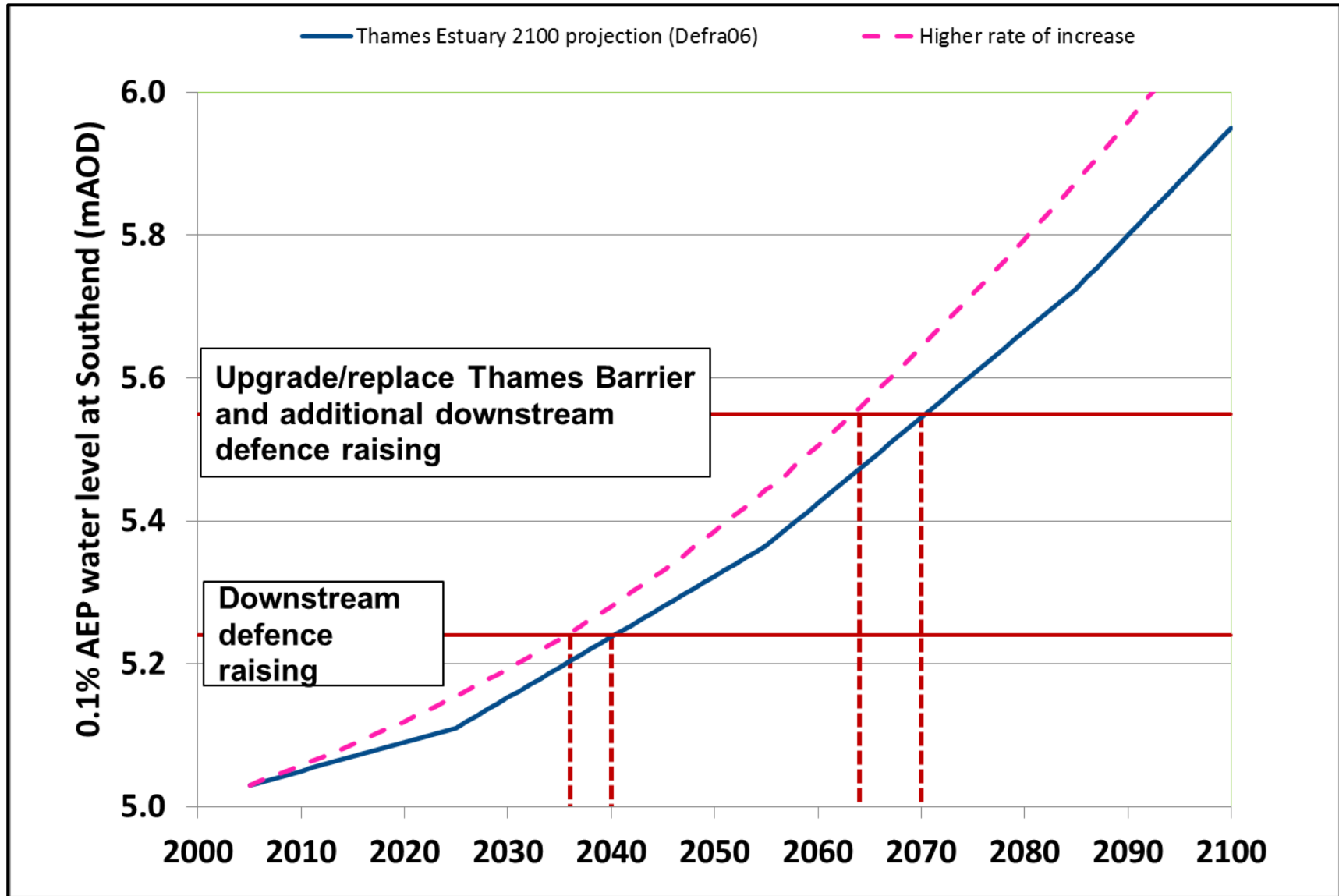
- Managing tidal flood risk under climate change
- Changing from reactive to strategic defence management



How does the Plan use climate change projections?



How does the Plan use climate projections?

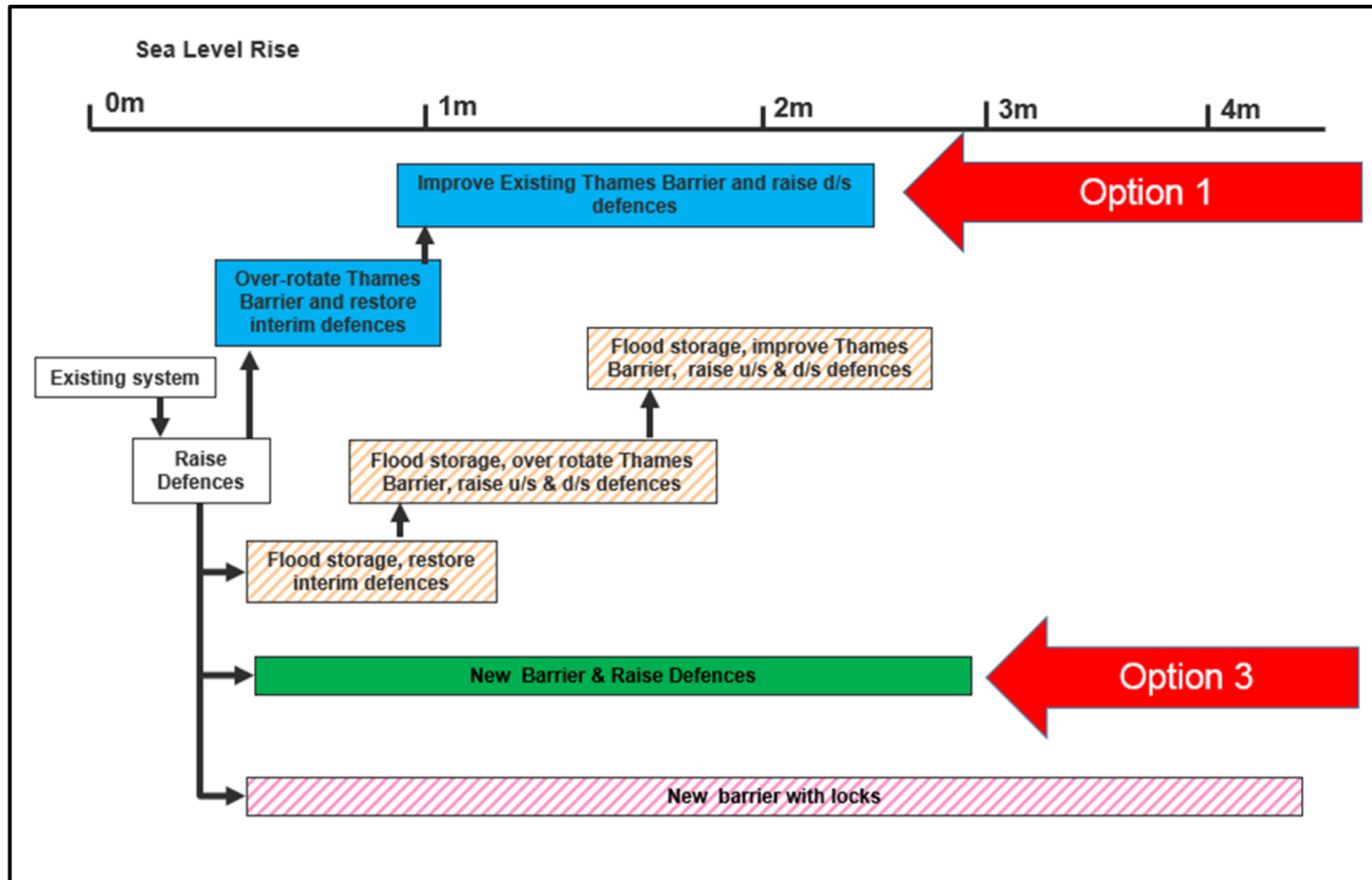


Key challenges when using climate projections to update the Thames Estuary 2100 Plan



The challenge of uncertainty in projections

- To optimize expenditure, we have to use an adaptation pathways approach, which can cause confusion for stakeholders
- We need to set a deadline for raising flood defences - we can't give a range of dates to developers.

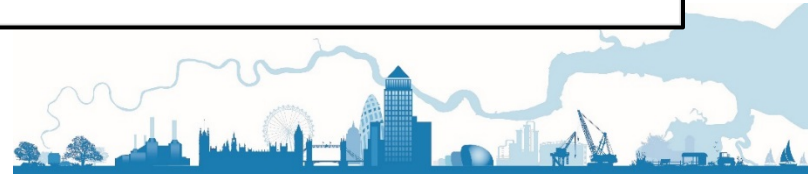
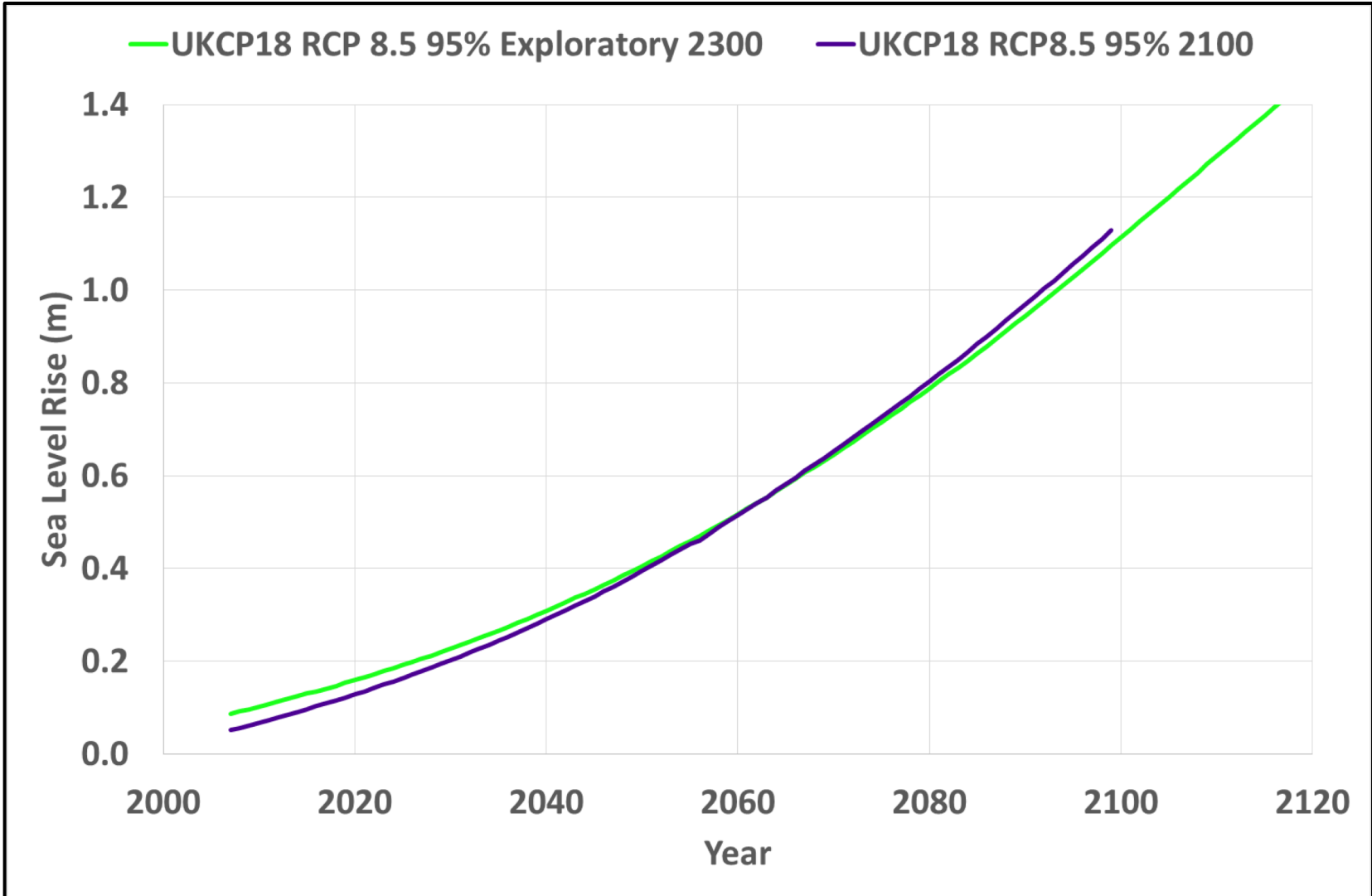


The challenge of uncertainty in projections

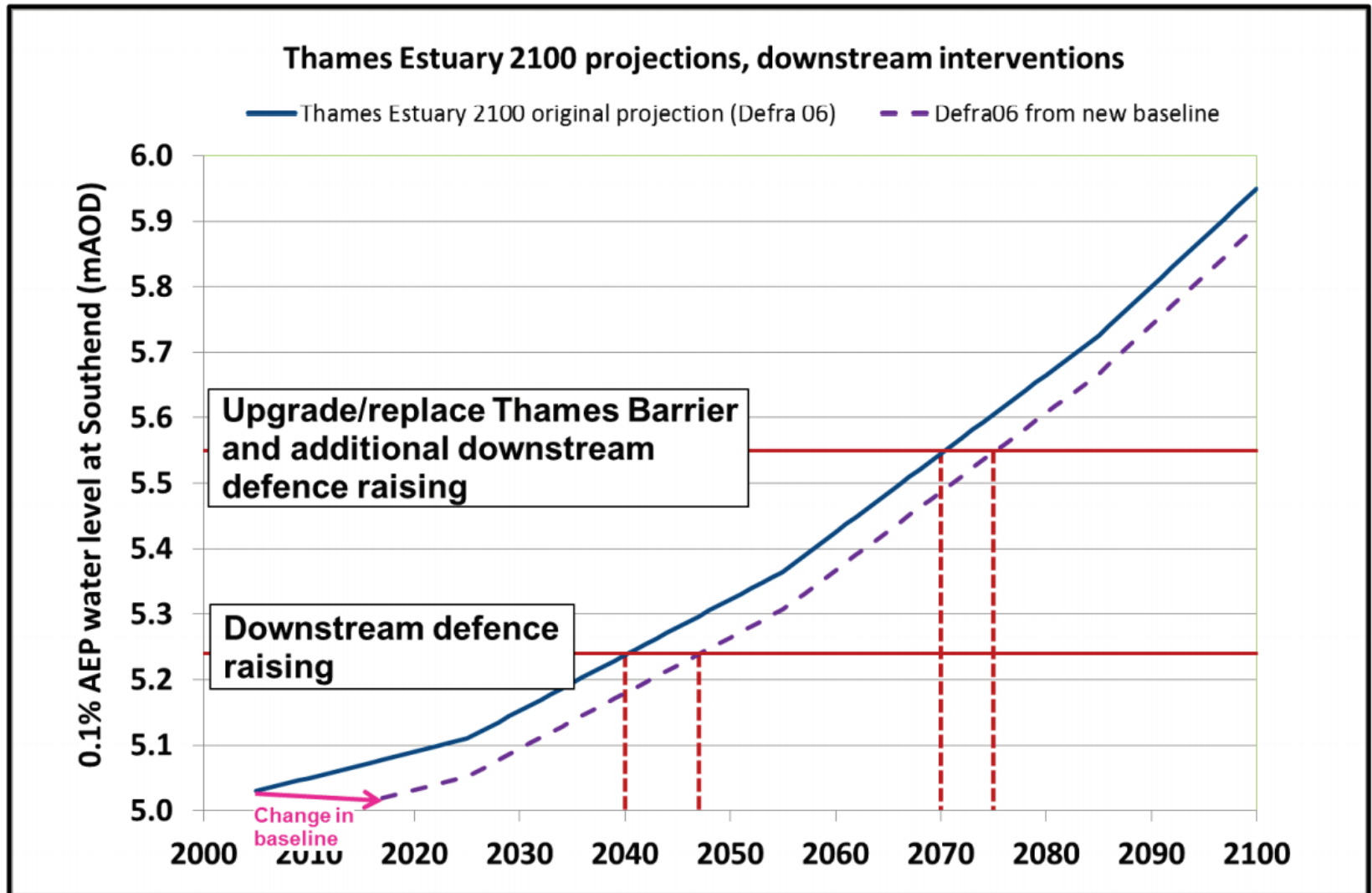
- Why do we have scenarios that appear to ignore the Paris agreement and other commitments?
- Why will sea level rise continue even if the Paris agreement (and other commitments) are met?



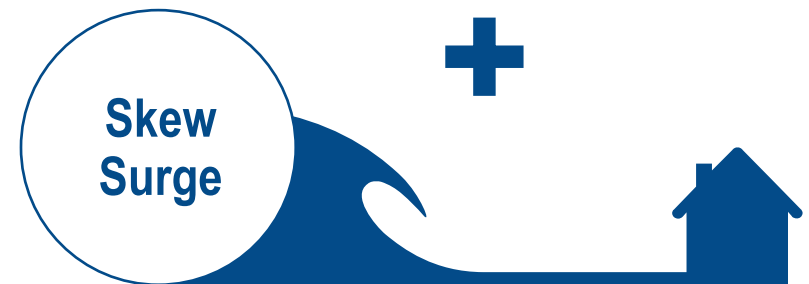
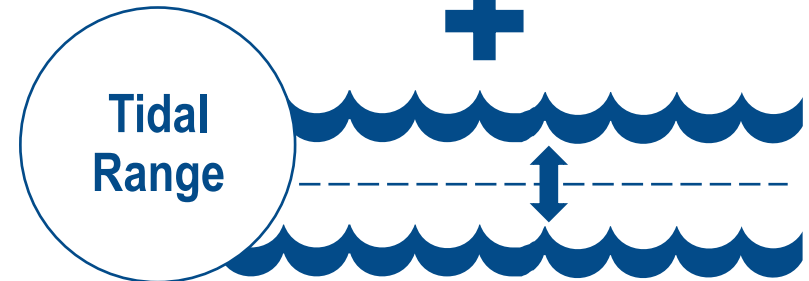
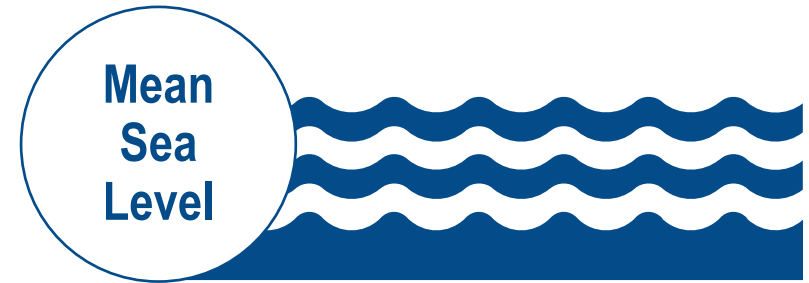
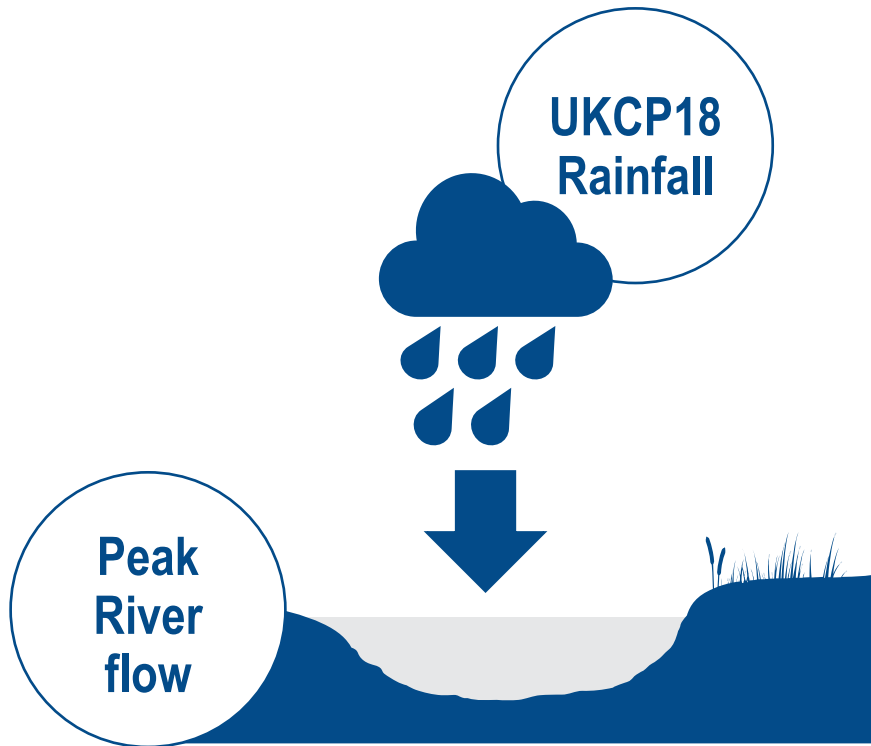
The challenge in application of projections



The challenge of updating baselines



The challenge of application of projections



Thank you for listening

Further information: bit.ly/te2100

twitter.com/TE2100Plan

Contact us: ThamesEstuary2100@environment-agency.gov.uk

