Thames Estuary 2100 Managing tidal flood risk through the 21st century





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Planning early



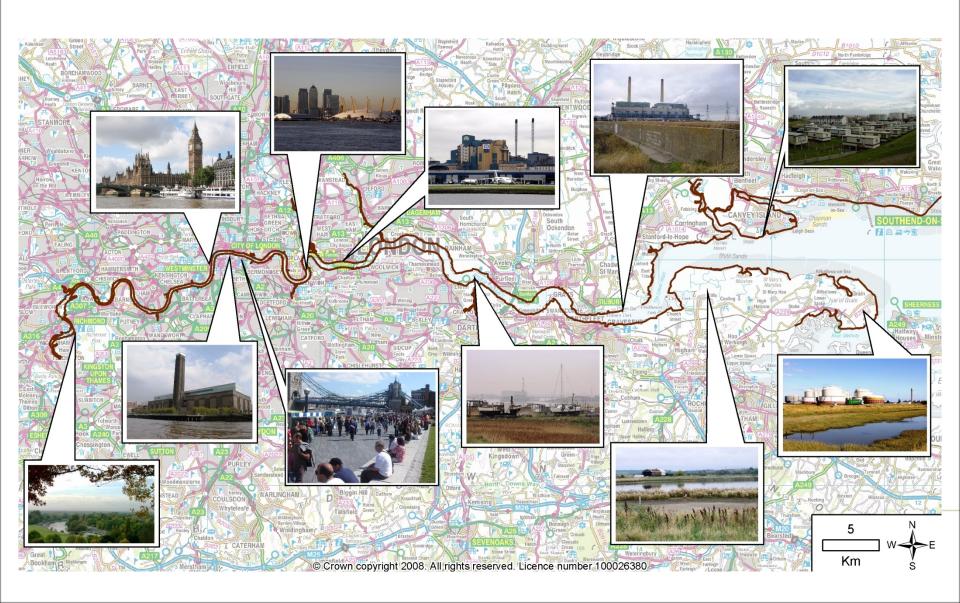








Managing flood risk in a diverse estuary



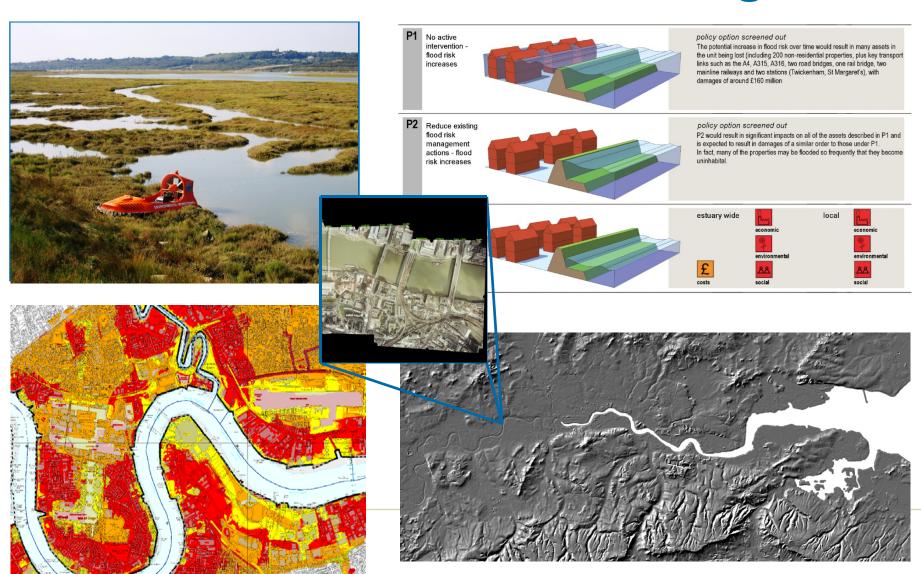
Adapting to climate change







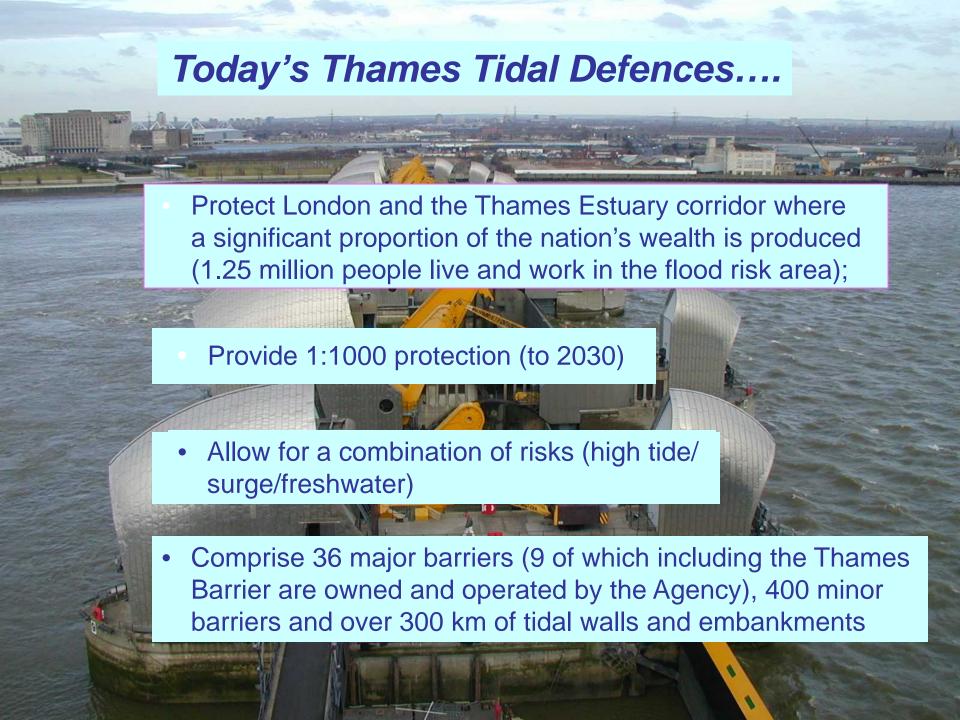
Evidence based decision making



Involving others







The TE2100 Plan



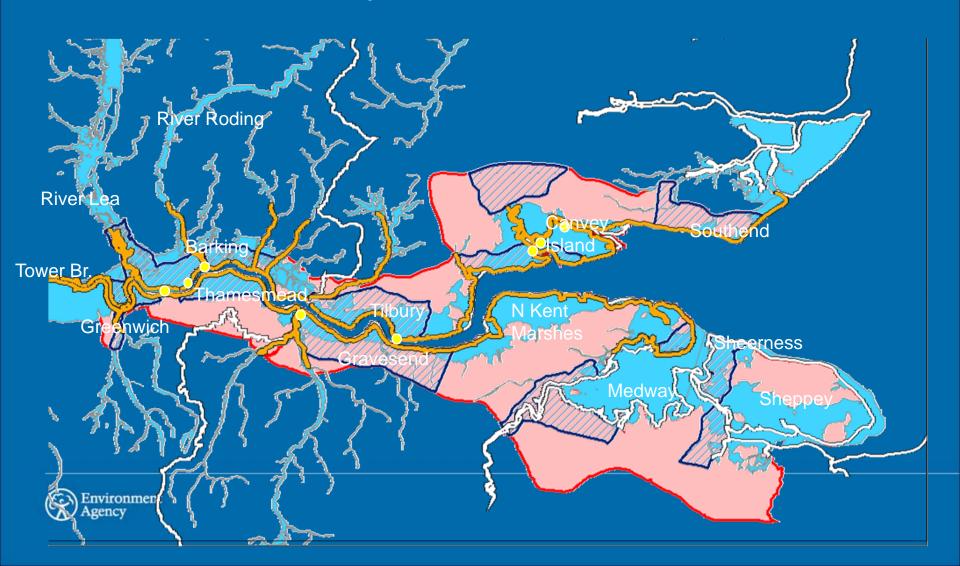




Thames Estuary and Flood Risk Management

- Area at risk of flooding (primarily tidal flood risk)
 - Demises and ever 240km of defences
 - 8 major Barriers and over 340km of defences
 - Thames GatewayGrowth Points







Improve existing defences

Flood Storage

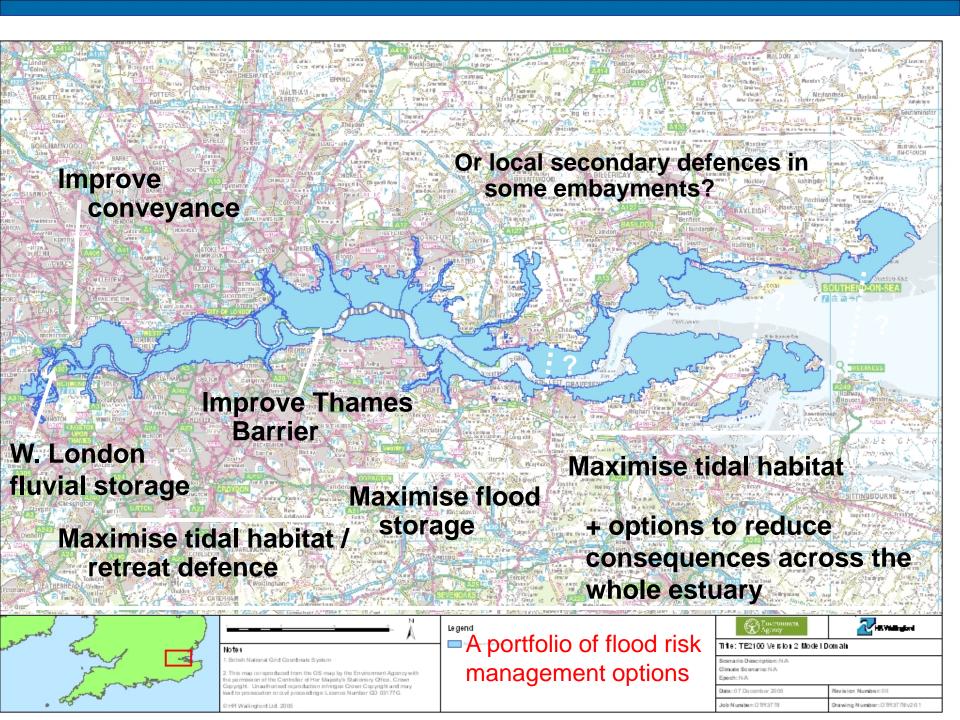


New barrier

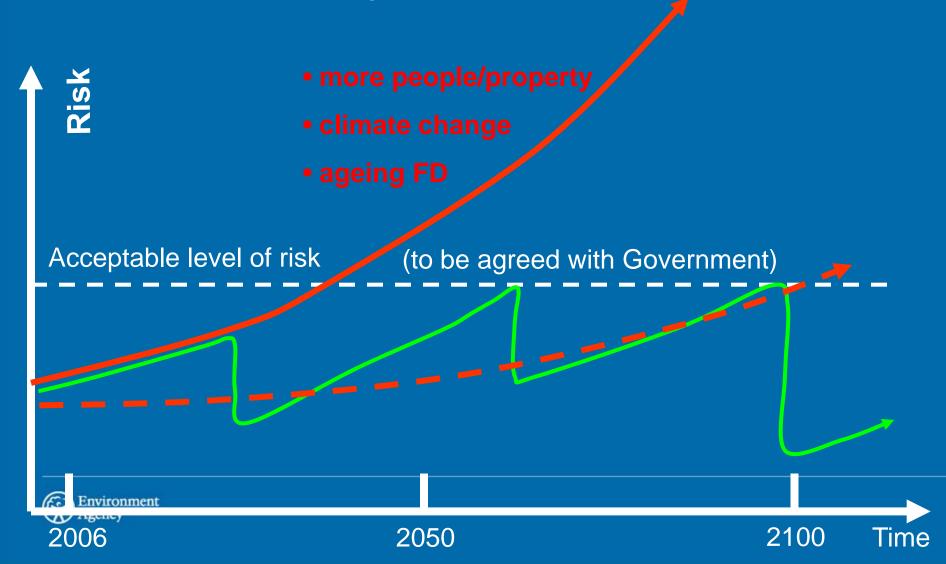
Barrier with locks



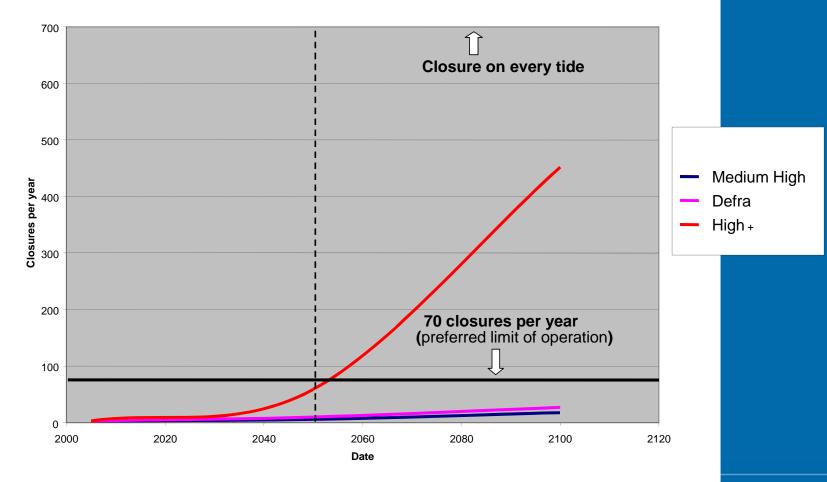
Change ahead? Our estuary-wide options



Managing Flood Risk through Thames Estuary 2100

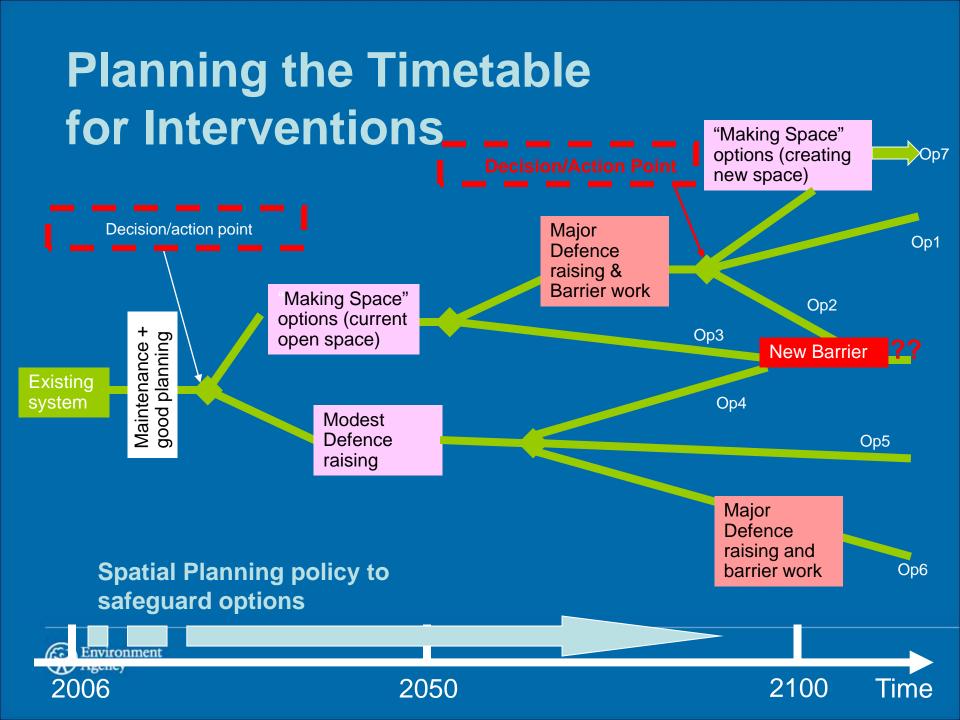


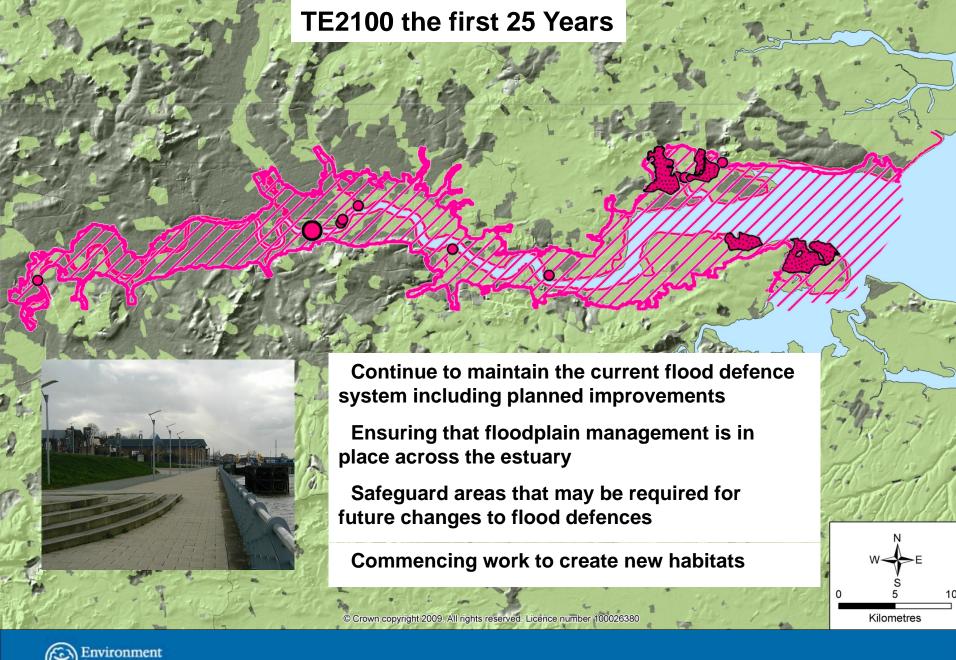
Estimated number of closures per year of the Thames Barrier under different climate change scenarios



estimate, 2006)













Working together

- working with local and regional emergency planners and resilience fora
- working with local and regional spatial planners to plan for a new riverside landscape
- working with local and regional spatial planners to safeguard areas that may be needed for future flood management
- developing an effective monitoring system







Investment over the century



The first 25 years

"Continuing investment and planning together"



The middle 35 years from 2035 to 2069

"Renewal and reshaping the riverside"



To the end of the century from 2070 "moving towards the 22nd century"

⇒ ~ £4.2 bn.



Summary

- Risk-based approach over 100 years
- Rigorous implementation of development planning policy is essential to reduce risk in terms of both likelihood and consequence of flooding
- Monitor climate change and invest when justified
- Ensure that opportunities to manage future flood risk are not lost: sustainable drainage systems, potential flood storage areas, land adjacent to defences for future bank raising.

