



EU Strategy on Adaptation to Climate Change

Forging a climate-resilient Europe

SEARICA 'Water is coming' 29 March 2021

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Climate change

- Impact are already there ...
- and even in a best case scenario (+ 1,5°C) ...
- Hazards will increase considerably ...



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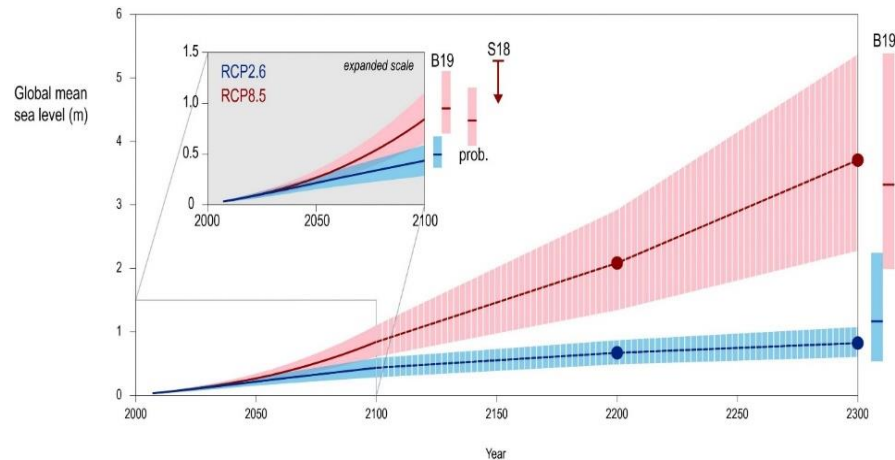
Impacts of climate change on coastal areas

- Sea level rise
- Coastal storms
- Altered precipitation
- Ocean warming, ocean acidification

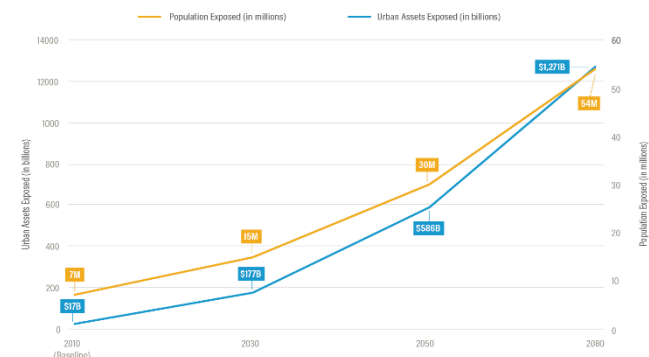
Coastal floods
 Coastal erosion
 Marine ecosystems ↓

Anthropogenic pressures

- Urban development
- Land use changes
- Alterations of river flows



Expected Annual Damage From Coastal Floods Over the Next 60 Years



Source: WRI

WORLD RESOURCES INSTITUTE

Policy context

- The **2030 Agenda for Sustainable Development**
- The **Paris Agreement**
- The **European Green Deal**:
 - European **Climate Law**, • **2030 Climate Target Plan**
 - European **Climate Pact** • **EU Biodiversity strategy**
 - **Farm to fork strategy** • **Forest strategy**
 - Renewed **sustainable finance strategy**
 - ... and more!



A new EU strategy on climate adaptation

“Forging a climate-resilient Europe - The new EU strategy on adaptation to climate change”

Adopted by European Commission on 24 February 2021

- 2020: Blueprint, open public consultation, and expert reviews
- 2018: Evaluation of the first EU Adaptation strategy (2013)

Vision & Objectives

- Vision: by 2050 the EU will be a climate-resilient society, fully adapted to the unavoidable impacts of climate change
- Objectives:
 - **Smarter adaptation** – improving knowledge and managing uncertainty
 - **More systemic adaptation** – support policy development at all levels and sectors
 - **Faster adaptation** – speeding up adaptation across the board
 - **Stepping up international action** for climate resilience



© picture: Peter Löffler

Smarter adaptation

improving knowledge and managing uncertainty, by

- Pushing the frontiers of **knowledge** on adaptation
- More and better climate-related **risk and losses data**
- Making **Climate-ADAPT** the authoritative European platform for adaptation knowledge

Year	Area coastal erosion
2050	2000 - 2300 km ²
2100	3800 - 5000 km ²



© picture: NOAA

More systemic adaptation

support policy development at all levels and sectors, by:

- Improving **adaptation strategies and plans**
- Fostering **local, individual, and just resilience**
- Integrating climate resilience in **macro-fiscal policy**
- Promoting **nature-based solutions** for adaptation



© picture: Peter Löffler

Faster adaptation

speeding up adaptation across the board, by:

- Accelerating **the rollout** of adaptation solutions
- Reducing **climate-related risk**
- Closing the **climate protection gap**
- Ensuring the **availability** and **sustainability** of **freshwater**



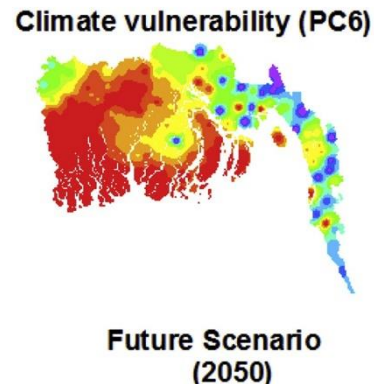
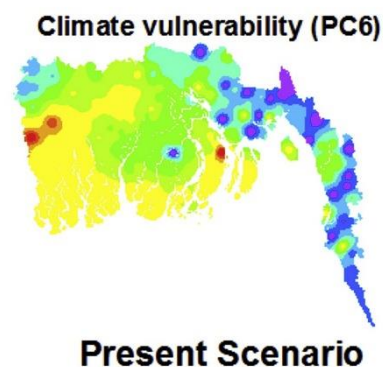
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Stepping up international action

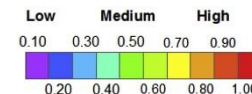
For climate resilience, by:

- Increasing support for **international climate resilience** and **preparedness**
- Scaling up **international finance** to build climate resilience
- Strengthen **global engagement** and **exchanges** on adaptation

Bangladesh

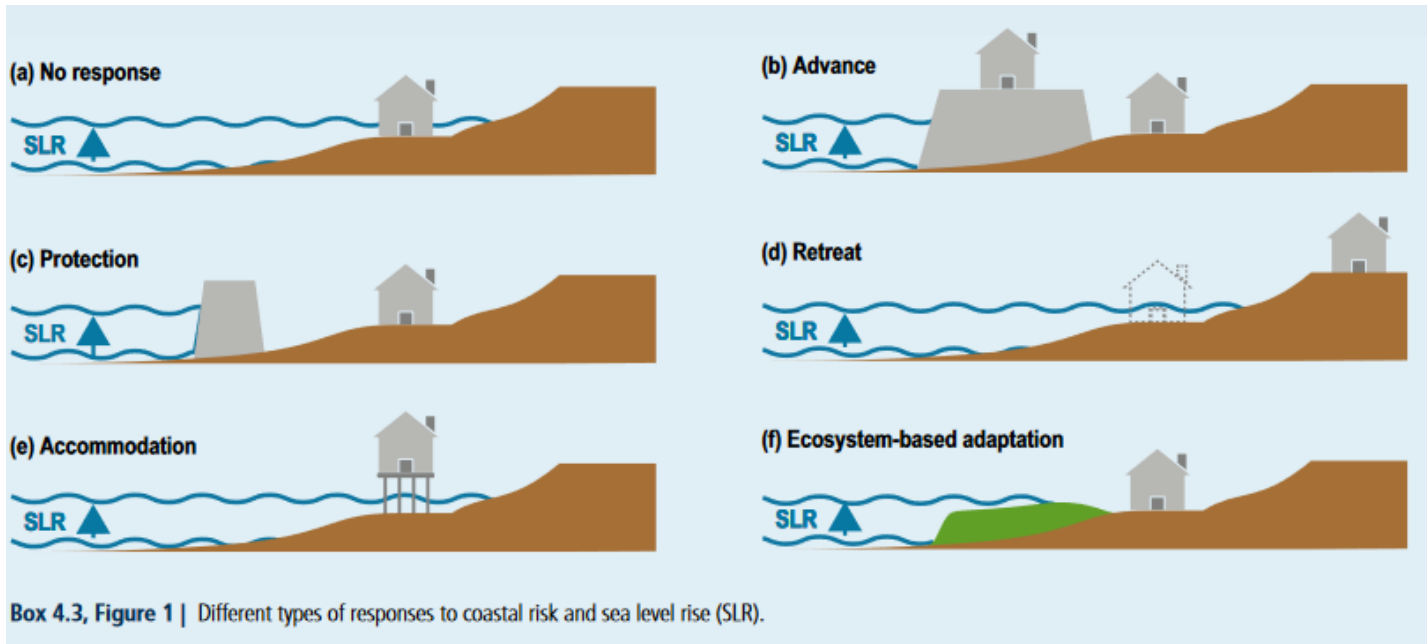


Relative Vulnerability Scale

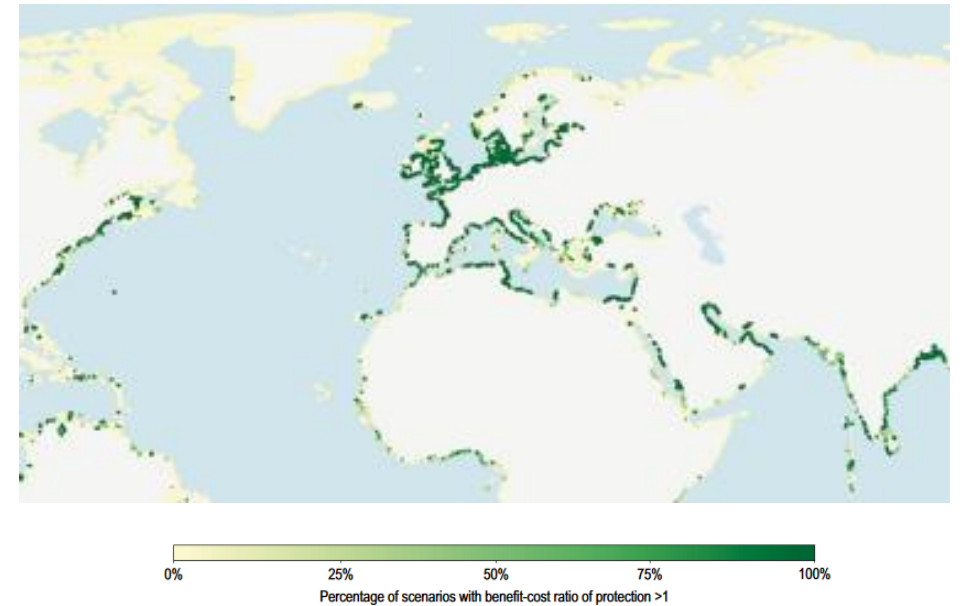


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EU policy instruments SLR and coastal erosion



Different types of responses to coastal risk and sea level rise



Economic robustness of coastal protection under SLR scenarios

Engagement with Member States

- Based on subsidiarity and local nature of adaptation
 - Support MS, subnational authorities, business & individuals
 - Financially, with knowledge & tools
 - Invitation to work together
-
- Window tour → Member States, regions, IGO's & NGO's
 - The EU Council will conclude in June 2021



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Thank you



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