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# NATURE-BASED SOLUTIONS FOR CLIMATE CHANGE ADAPTATION, OECD PERSPECTIVE

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# Overview

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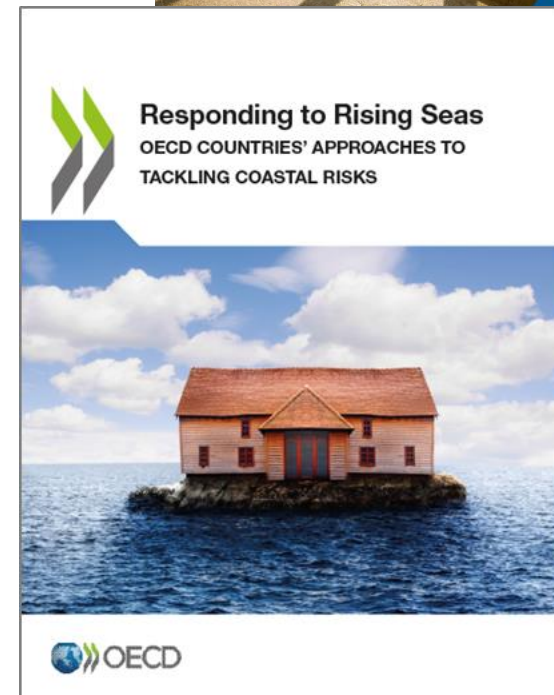
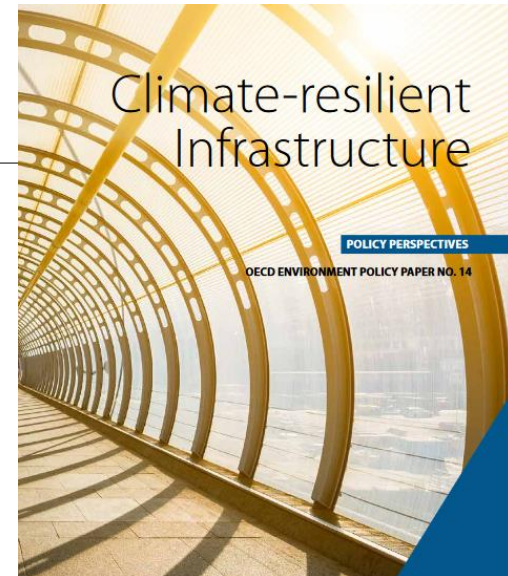
1. Existing OECD work on climate change adaptation and financing water infrastructure
2. Why focus on nature-based solutions
3. Proposed future work





# OECD work on adaptation

- **Resilient infrastructure:** Guidance for national governments as they plan, build and finance resilient infrastructure
- **Coastal adaptation:** policy tools that national governments can use to encourage an efficient, effective and equitable response to ongoing coastal change.



Forthcoming: 6 March 2019



# OECD Roundtable on Financing Water

## Rationale and aims:

- Raise the profile and urgency of the issue on the international political agenda and within the finance community
- Deepen the evidence base on how to strengthen policies to encourage investment that contributes to water security and sustainable growth
- Push the boundaries of conventional thinking
- Stimulate action-oriented dialogue and promote impactful approaches to water-related investment







# Why nature-based solutions?

- NbS can address two major challenges: **adapting to climate change** and **mitigating biodiversity loss**
- They can also:
  - Complement conventional, engineered ‘grey’ infrastructure
  - Provide multiple benefits
  - Be more cost-effective
  - Provide additional flexibility for responding to the impacts of climate change





# Barriers to diffusion of NBS



## Institutional barriers

- Perceived as emerging technologies
- Silo institutional arrangements, lack of policy coherence
- Disconnect between short-term actions and long-term goals

## Regulatory barriers

- Regulations, funding mechanisms and lock-in failures tend to favour grey infrastructures

## Financial and investment barriers

- Many benefits not easily monetised; undermining potential revenue flows for private investors
- Conservative financing strategies (e.g. those of international financial institutions) often biased towards large-scale, grey infrastructure



THANK YOU

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