NATURE-BASED SOLUTIONS FOR CLIMATE CHANGE ADAPTATION, OECD PERSPECTIVE

Lisa Danielson, Policy Analyst, Climate, Biodiversity and Water Division, OECD
Overview

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
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

contact: lisa.danielson@oecd.org