

Nature-based solutions and multi-level governance for carbon-neutral and resilient cities and regions



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8 December, 12:30, EU Pavillion, COP24, Katowice



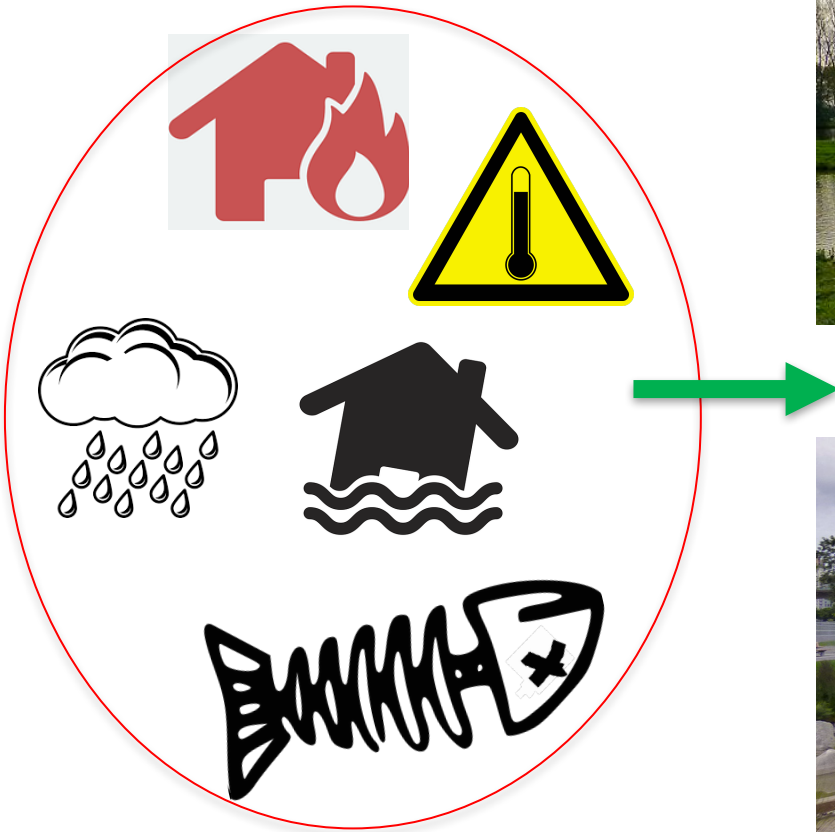
NATURE-BASED SOLUTIONS FOR CLIMATE CHANGE MITIGATION AND ADAPTATION

McKenna Davis
Ecologic Institute



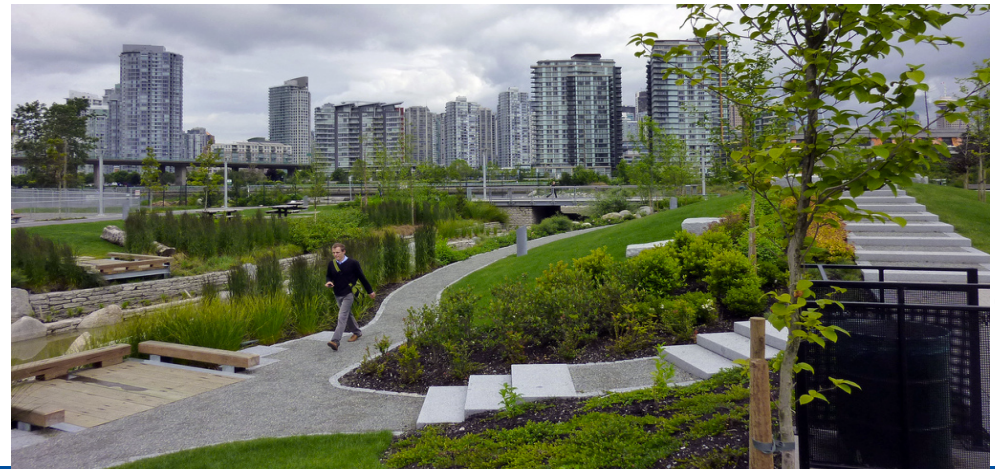
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Climate-related challenges: A well-known picture... Time for a new solution?



@M. Voorendt

Water retention area in South Holland;
Vancouver Olympic Village



@P. Chung

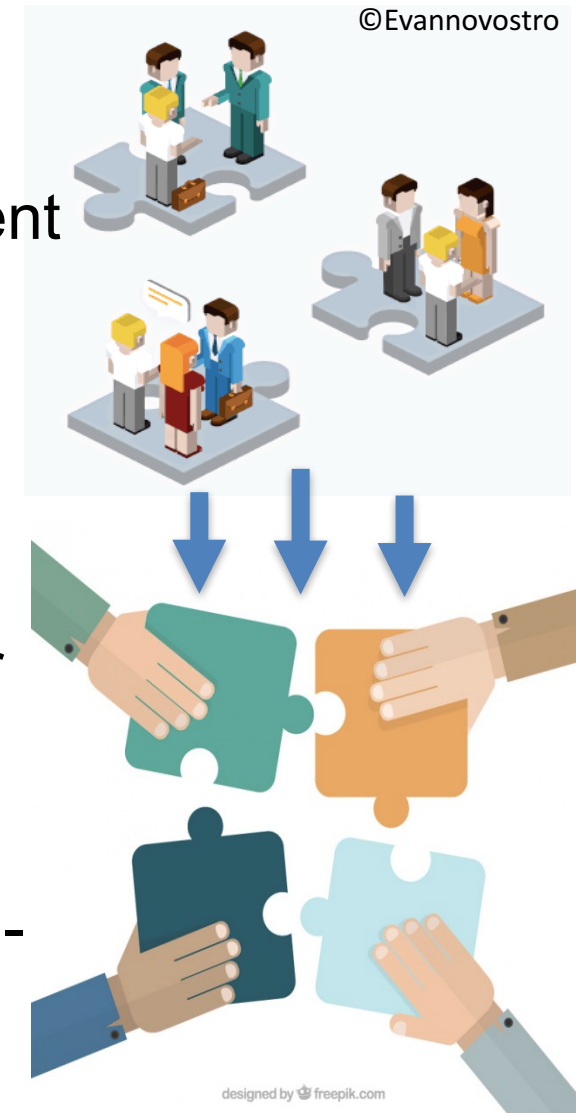
NBS as a tool to support climate targets



- ▶ Focus on adaptation, but lagging in mitigation
- ▶ Huge potential to use NBS as ‘no-regret’ tool for:
 1. Carbon sequestration and storage
 2. Increased energy efficiency
 3. Climate change adaptation

So where's the catch...?

- ▶ Lack of awareness of NBS as complement or alternative to grey infrastructure
- ▶ Fragmented and site-specific evidence basis
- ▶ Silo thinking and failure to mainstream NBS; need for new collaborations and larger scale coordinated interventions
- ▶ Weak policy framework and lack of financial and regulatory instruments for multi-level governance of NBS



NBS support within current policy frameworks

- ▶ While reviewed frameworks *do* provide a basis for NBS support, they:
 - ▶ Lack quantitative and measurable targets
 - ▶ Need stronger focus on creating new green and blue spaces
 - ▶ Do not exploit potential to deploy NBS in urban areas
- ▶ Uptake depends on self-initiative and commitment, but...
 - ▶ Local/regional policy support more likely if such policies exist at higher governance level
 - ▶ Mandatory standards or measures helpful for local and regional action

Potential for improving NBS uptake and governance

- ▶ Promote NBS as part of an integrated global approach
- ▶ Nationally Determined Contributions (NDCs) as tool to foster and mainstream NBS
- ▶ Integrate quantified and operational targets in policy instruments across governance levels
- ▶ Continue demonstrating NBS and its potential!
 - Already 332 examples of urban NBS addressing mitigation/adaptation challenges in NATURVATION's **Urban Nature Atlas** (<https://naturvation.eu/atlas>)

Thank you!

Any questions?



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Current experiences in implementing climate-proofing policy instruments at the local and regional levels

- **Andrzej Bobrowski**, Chief Specialist in the Department of Agriculture and Rural Development of the Marshal Office of the Wielkopolska Region (Poland)
- **Andrew Cooper**, Councillor, Kirkless Council, member of the Committee of the Regions (UK/EU)
- **Joanna Kiernicka**, Director of Climate and Nature Protection Office, Municipality of Wroclaw (Poland)
- **Risa Smith**, Co- Chair, IUCN, World Commission on Protected Areas Climate Change Specialist Group (Canada)

Moderator: **Nikolai Jacobi**, ICLEI Europe



Towards an improved multi-level governance for NBS in climate and energy planning – Opportunities at the global, EU and national level

- **Patrick Biard** – Auvergne Rhône-Alpes Energy Environment Agency, Head European and International Affairs and Deputy Secretary General of FEDARENE
- **Tomasz Bergier** – Vice-President, Sendzimir Foundation
- **Marta Bystrowska** – Chief Specialist, Polish Ministry of Economic Development, Department for Development Strategy, Urban Policy Unit
- **Sandeep Sengupta**, Global Coordinator, IUCN Climate Change Portfolio, Global Policy & Programme Group

Moderator: **McKenna Davis**, Ecologic Institute



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