NATURE-BASED SOLUTIONS FOR CLIMATE CHANGE MITIGATION AND ADAPTATION

McKenna Davis

Ecologic Institute
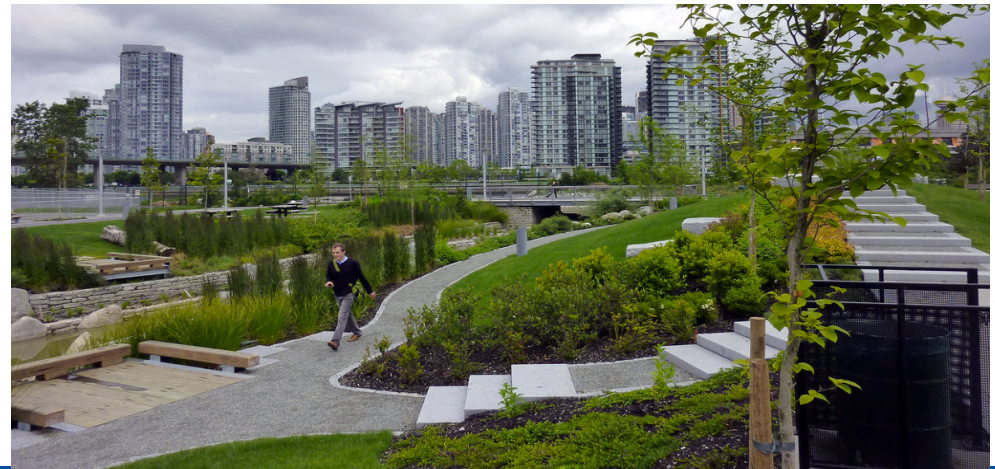
Climate-related challenges: A well-known picture... Time for a new solution?
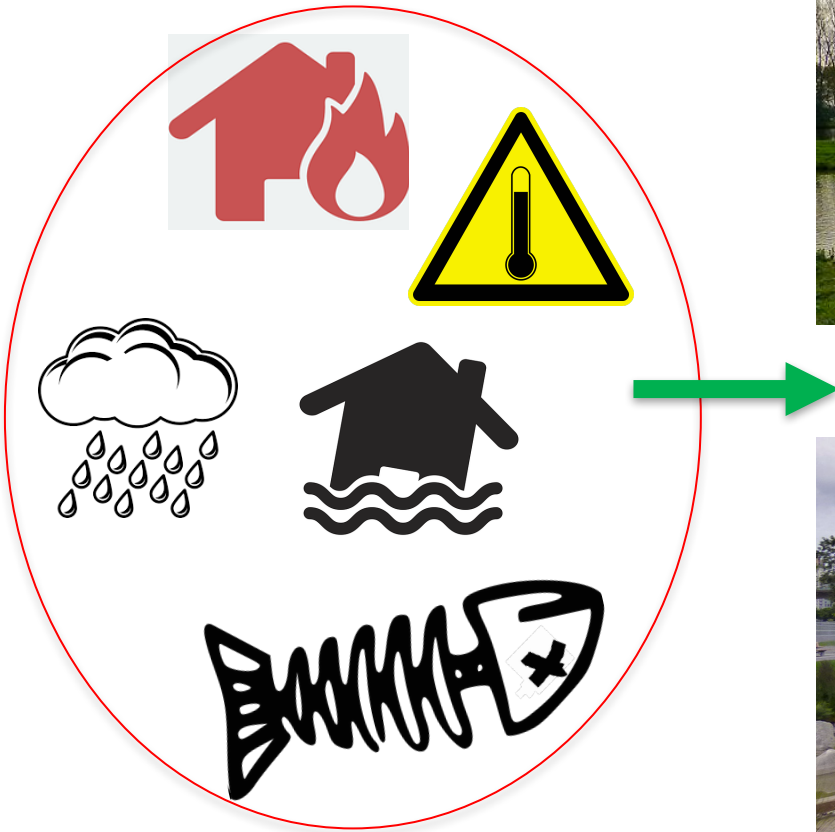
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Water retention area in South Holland;
Vancouver Olympic Village

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NBS as a tool to support climate targets

NATURE-BASED SOLUTION

WORKING WITH NATURE

GREEN & BLUE INFRASTRUCTURE

NATURAL WATER RETENTION MEASURES

ECOSYSTEM-BASED MANAGEMENT

▸   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

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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
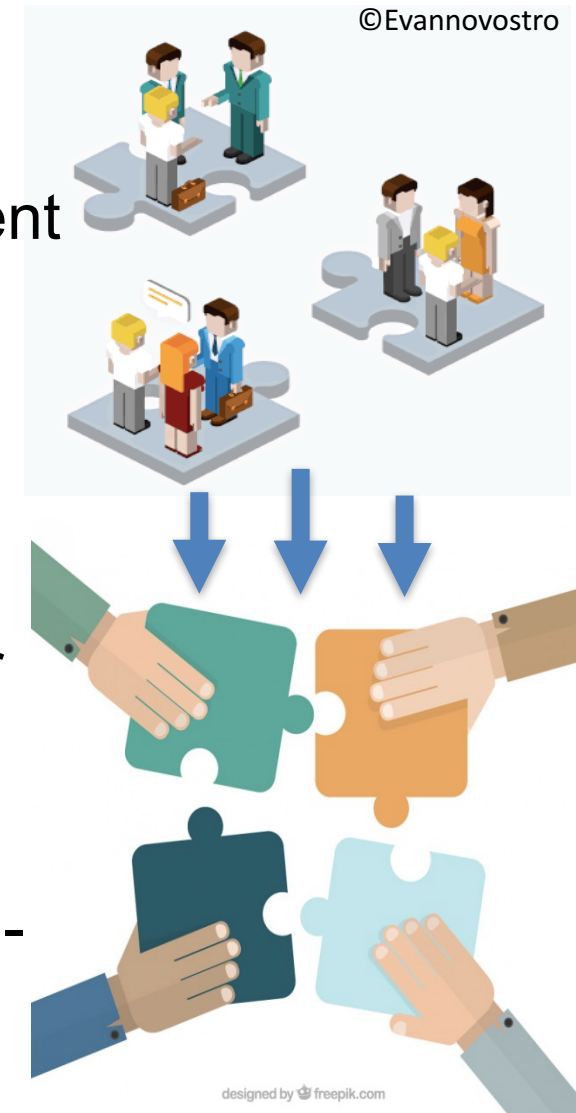
NBS support within current policy frameworks

▶ 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)