



Integrating biodiversity considerations into urban infrastructure development

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**Convention on
Biological Diversity**



Biodiversity and infrastructure:

Why is it important?



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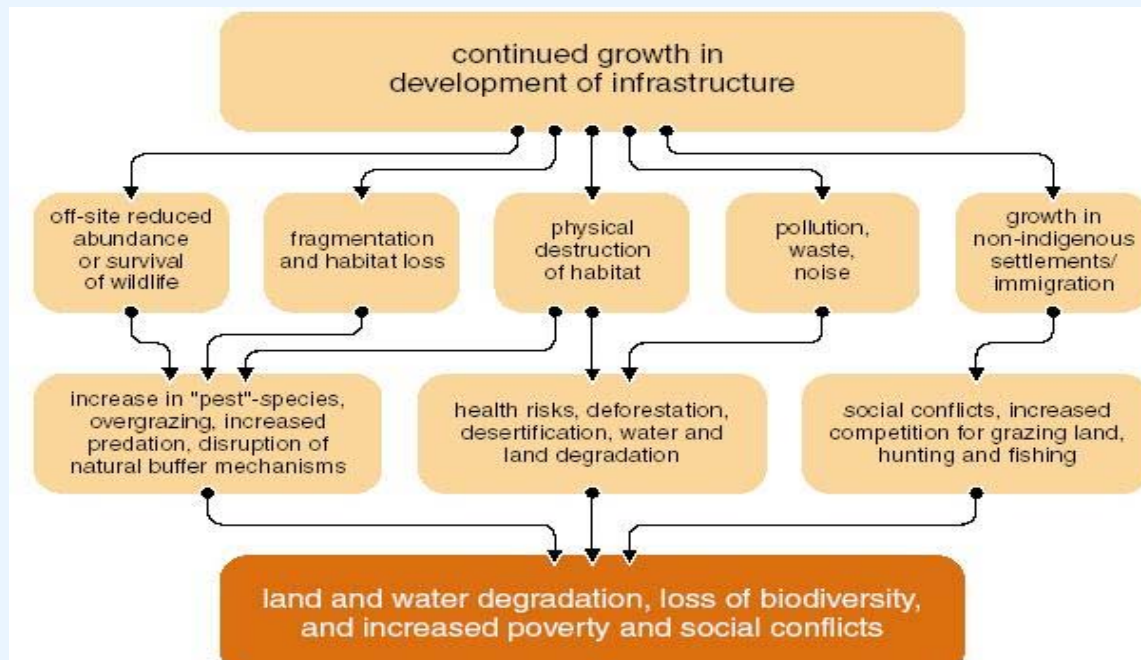
\$35 Trillion in public funds will be spent on infrastructure over the next 20 Years

- **North America will spend \$180 billion on infrastructure each year**
- **Europe will spend \$205 billion.**
- **Asia will spend \$400 billion.**
- **And \$10 billion will be invested in Africa annually.**





Impacts of infrastructure development





50% of the population is urban-and growing

➔ Loss of Biodiversity

- Species have been disappearing at up to 1000 times the natural rate
- An estimated 34,000 plant and 5,200 animal species face extinction, including one in eight birds and one third of all amphibians
- 20% of known bird species have already disappeared
- 41% of mammals are in decline and 28% are under direct threat
- 45% of the Earth's original forests are gone.

➔ Ecosystems become less resilient

➔ People become more vulnerable to climate change and other global change processes



Biodiversity and infrastructure:

What can be done?

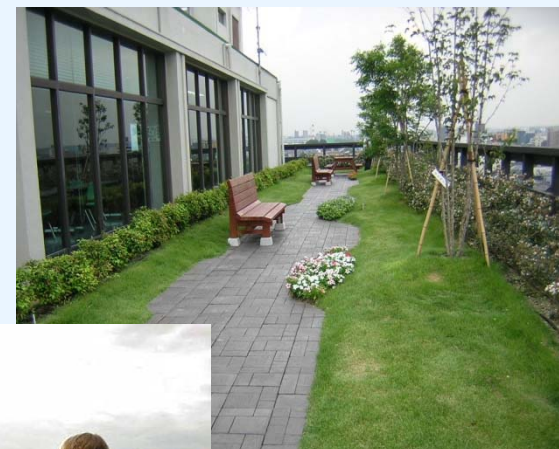


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Green infrastructure: Some benefits

- Safe habitat
- Direct ecosystem services
- Stability of urban ecosystems
- Help the creation or re-creation of ecosystems “in the desert”
- Enlarge vegetation cover
 - less risk of losing native flora
- Educational benefits
- Positive impact on well-being



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Cities and local authorities

- (a) Decision-making centres**
- (b) Urban experiences to strengthen national, regional, global policies and strategies;**
- (c) Design and implementation of**
 - land-use and zoning planning tools**
 - urban development and infrastructure guidelines**
 - consumer awareness campaigns;**
- (d) Direct influence on users at the local level**
- (e) Green procurement**





Good timing for awareness raising and action..

A) In line with para.4, Decision IX/28:

*Invites Parties, other Governments, regional and international development agencies and banks engaged in **projects that include infrastructure development for cities and local authorities, to integrate biodiversity considerations into those projects**, where relevant, and explore options for specific capacity-building and programmes on biodiversity for local officials responsible for their implementation and maintenance.*

B) Mention in the draft plan of action 7.(m) and 11.(f)

C) International Year of Biodiversity, COP10 and international events on infrastructure and biodiversity: Singapore, Mexico

D) Momentum created by leading cities





Integrating biodiversity considerations into urban infrastructure development is urgent and essential to preserve life on Earth

Promoting the positive impacts of green infrastructure on biodiversity contributes to raising global awareness, and cities and local authorities have a major role to play



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