

+ Programme

uropean Union

Teachers Training Workshop

Belgrade, June 16-17, 2022

OBJECTIVES AND METHODOLOGIES

The Teaching Methodological guidelines: **OVFRVEW**

SESSION 2:

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Natural areas scarcely or not at all populated

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URBAN GREEN A RESOURCE FOR HEALTH





URBAN GREEN A RESOURCE FOR HEALTH

HEALTH MITIGATION INTERVENTIONS

Total and average annual reduction of deaths attributable to a temperature reduction of 1.3°C of the specific city average temperature in the period

Total and average annual reduction of deaths attributable to a temperature reduction of 2°C of the specific city average temperature in the period

Total and average annual reduction of deaths attributable to a temperature reduction of 1.3°C and 2°C of the specific city

average temperature in the period



EXAMPLE



Selected area for NBS interventions

Selected area: examples of critical issues

- heavily built up area
- poor vegetative cover
- high prevalence of population> 65 years
- presence of pollutant production activities

What to do: examples of activities

- analysis of the actual state of the area using the ENVI-met microclimatic software
- survey of plant species present and selection of tree, shrub and herbaceous species to be included
- elaboration of different cooling scenarios
- simulation through ENVI-met of the scenes with quantification of the benefits (temperature, relative humidity, etc.)



EXAMPLE

Selected area for NBS interventions Selected area: examples of critical issues

heavily built up area;
poor vegetative cover;
high prevalence of population> 65 years;
presence of pollutant production activities. What to do: examples of activities

•analysis of the actual state of the area using the ENVI-met microclimatic software;

 survey of plant species present and selection of tree, shrub and herbaceous species to be included;

elaboration of different cooling scenarios;

 simulation through ENVI-met of the scenes with quantification of the benefits (temperature, relative humidity, etc.).





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Potential integration of various green and blue infrastructure strategies within an urban system

2022 IPCC_AR6_WGIII_FinalDraft_Chapter08.pdf



<u>Urban forests and street trees provide the greatest mitigation benefit because of their ability to sequester and</u> store carbon while simultaneously reducing building energy demand.

	Urban Green and Blue Infrastructure	Mitigation Benefits	Adaptation Co-benefits	SDG Linkages
Urban Forests				1 Mextra
Street Trees				3 MART HELLIN ALT HELE AREA 11 MOREARE STORY 13 ALT HELE 13 ALT HELE 13 ALT HELE 13 ALT HELE 14 MORE STORY 15 MORE 15 MO





The assessments of mitigation benefits are dependent on context, scale, and spatial arrangement of each green infrastructure type and their proximity to buildings.

Local implementations of urban green infrastructure can pursue toward inclusive sustainable urban planning (SDG 11.3) and the provision of safe, inclusive and accessible green and public spaces for all.

KEY POINTS









CONCLUSIONS

The importance of urban green infrastructure for reducing the total warming in urban areas due to its local cooling effect on temperature and its benefits for climate adaptation.

Urban green infrastructure involves the protection, sustainable management, and restoration of natural or modified ecosystems while simultaneously providing benefits for human wellbeing and biodiversity.





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Thanks for your attention

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