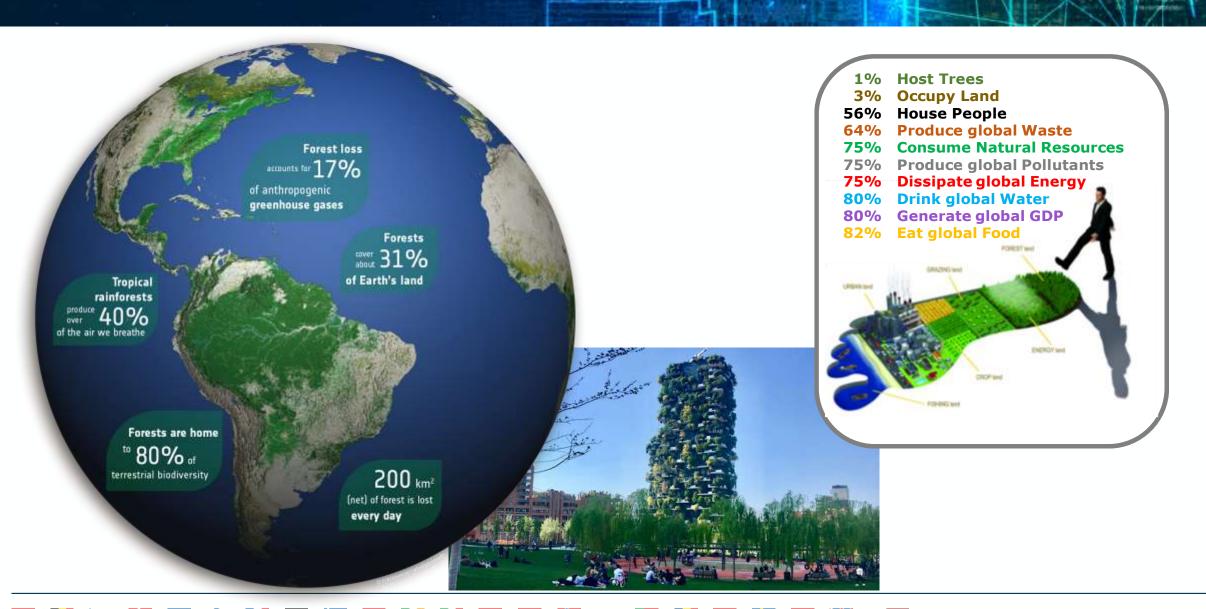


The Nexus between Forests and Cities





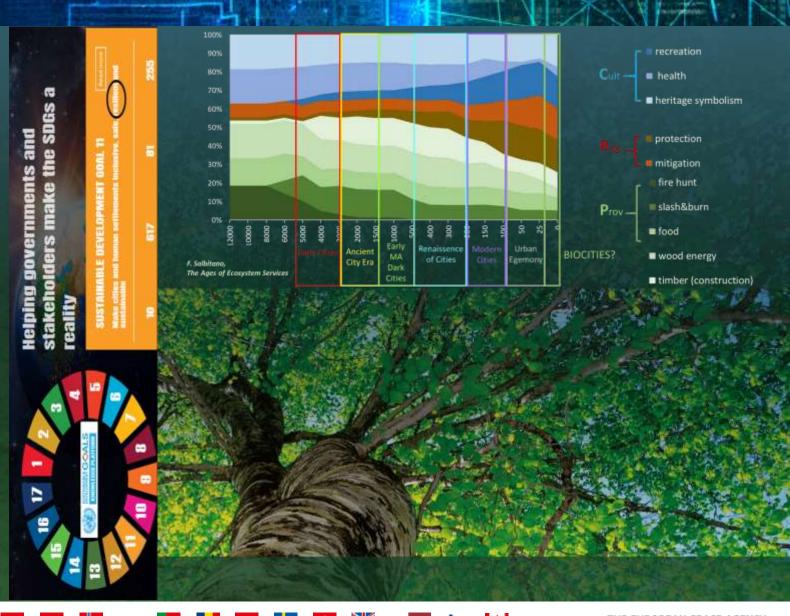
Sustainable Cities and Communities



UN Agenda 2030 – SDG 11

Make cities and human settlements inclusive, safe, resilient and sustainable:

- Integrated and sustainable human settlement planning and management
- Protect natural heritage
- Reduce environmental impact of cities
- Attention to air quality
- Provide universal access to green spaces
- Links between urban, peri-urban and rural areas
- Policies and plans towards climate change adaptation, disasters resilience, decrease impacts of water related disasters
- Sustainable and resilient buildings utilizing local materials



Earth Observation and Green Cities



URBAN RESILIENCE global challenges

DATA PLATFORMS exploitation

ISER NEEDS and COMMERCIAL SERVICES

climate change, public health, urbanization, air quality, ...

DATA



In situ

training dataset



Co-design applications

SERVICES

- + Satellite
- Optical | SAR | Hyperspectral | Lidar
- Cadastral maps

Surveys / inspection reports

Maintenance plans

Tree measurements

Drone / aerial surveys

Lidar (ground campaigns)

NEW CHALLENGES AND SCIENTIFIC RESEARCH

- DESIGN green mapping
 - MANAGEMENT green maintenance
 - PUBLIC HEALTH pollens and air quality
 - CLIMATE CHANGE RESILIENCE

heat islands

NEW BUSINESS

NEW ACTORS









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