



A European Union
Programme



COOPERATION PERSPECTIVES

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Global Thematic Concentration for Cooperation

TH-NW. 1 – ECOLOGICAL TRANSITION- GREEN DEAL A Greener Future for Cities in Europe and Asia / Australasia

CIRCULAR ECONOMY
Waste Management

GREEN
INFRASTRUCTURE
Nature Based Solutions
Water Management

SUSTAINABLE AGRICULTURE
Food systems, Urban Gardens

TH.NW. 2 – URBAN RENEWAL & SOCIAL COHESION A Sustainable Future for Cities in Europe and Asia / Australasia

URBAN
AGENDA/PLANNING
SUD Strategies,
Public Space,
Urban Model: 15 min. Vision

MOBILITY & TRANSPORT
Street 4 people -
Superblocks – Metropolitan
Connections

TH.NW.3 – INNOVATIVE, SUSTAINABLE & CARBON NEUTRAL ECOSYSTEMS & STRATEGIC SECTORS A Smarter Future for Cities in Europe and Asia / Australasia

TOURISM &
CULTURE

HEALTH, LIFE
SCIENCE,
ELDERY
BIOECONOMY

EDUCATION, JOBS &
SKILLS,
Clusters, Innovation
Centres

CROSS CUTTING OVERALL CHALLENGES



POST COVID RECOVERY IN CITIES



CLIMATE CHANGE & ENERGY TRANSITION



SMART CITY & DIGITAL TRANSITION

Perspectives of Cooperation (Pilots)

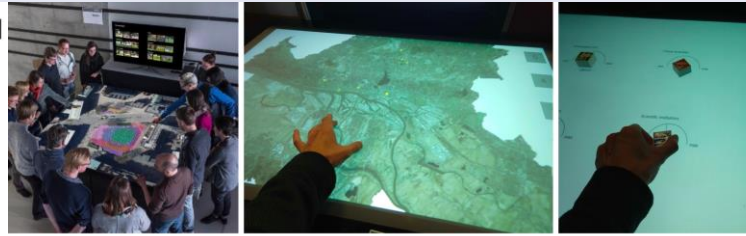
- **Thematic**
 - Circular Economy
 - Nature-based solutions
 - Tourism / Cultural (Resilient Cultural Heritage)
 - Education & Skills
 - Smart City (cross-sectional)
 - Energy / Energy-Efficiency / Solar Potential
 - Urban Mobility
 - Public Spaces
- **Stakeholder-oriented / utilize intrinsic motivation**
 - Academic Institutions
 - Municipalities and/or State Agencies
 - Business Clusters and/or Businesses
 - Urban Designers and/or Architectural Networks/Partnerships
- **Frameworks**
 - EU Green Deal (8 Thematic Areas, 2 Cross-Sectional Areas)
 - New European Bauhaus (bridges Green Deal with Culture & Arts): Sustainability, Inclusiveness, Aesthetics

Perspectives of Cooperation (Pilots)

- **Methodology / Processes:**
 - Urban Data
 - Urban Data Visualization and Simulation
 - Tools and solutions for planning, visualization and simulation
 - Digital Twins
 - Knowledge Exchange: academic (summer schools), cross-sectoral (including business clusters)
 - Stakeholder Engagement (Quadruple Helix) / Citizens Engagement / Co-Design - Co-Creation
 - Experimentation: urban testbeds, urban living labs
 - Evaluation
- **Goal/Institution-oriented: sustainable cooperation structures**
 - Joint Research Center for Green and Urban Design
 - Joint Lab for Digital Twins, BIM/GIS, ...
 - Joint Business Cluster Agreements
 - Joint Chapters with the Chambers of Commerce (circular economy, nature-based solutions, smart city, urban data solutions,...)
 - Joint Urban Testbed for Joint Experimentation or Connected Local Urban Testbeds for Joint Exchange, Monitoring, Solutions
 - Joint or Reciprocal Expo Participations
- **Indicators**
 - Manageable (Time, Effort, Partners)
 - Stakeholders with intrinsic motivation (and ideally means)
 - High probability of sustainable financing and/or access to financing mechanisms

Examples of Cooperation

EU Cities Garden Pavilions under Construction in Yangzhou



Providing reliable data for traffic improvements + VR experiences for citizens



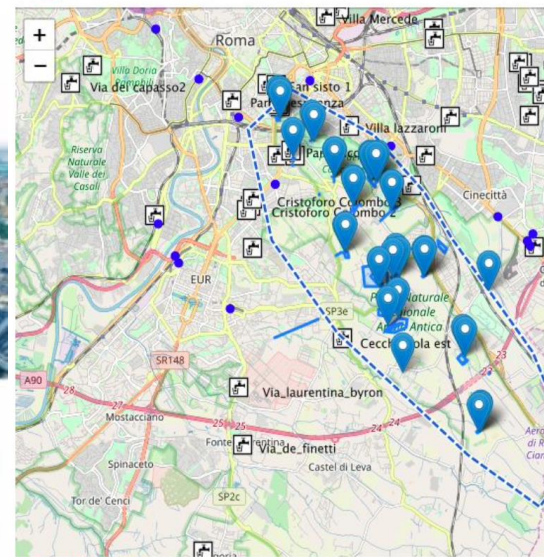
IUC ASIA

SMARTICIPATE Topics > Partecipa agli orti ...

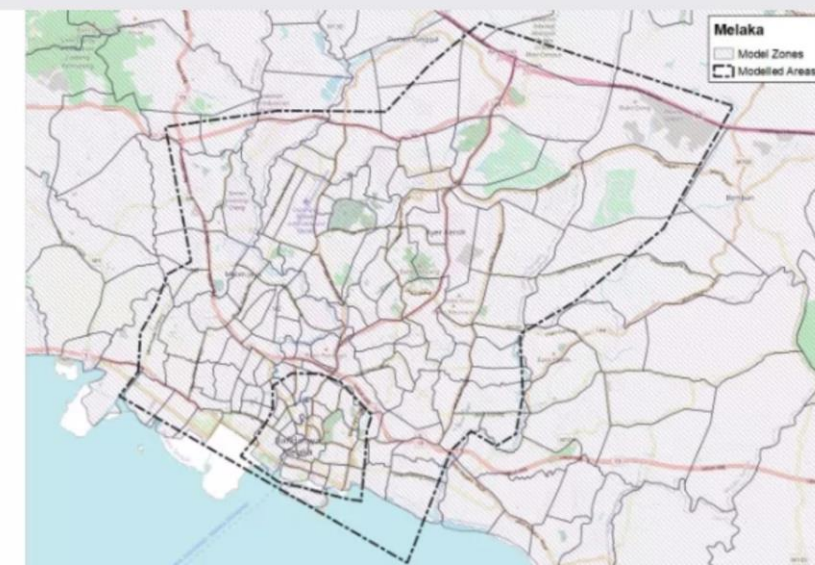


GIS-BIM for Digital Integrated Design

Case Study - Green Urban Design



Transport modelling data
Macro and Meso scale model
Source: MM



Leaflet | © OpenStreetMap contributors, test attribution for groundwater_monitoring_network, test attribution for or Infronafra: test attribution for Parchenni Scambino

Sample Resources

**LIVING LAB HANDBOOK
FOR URBAN LIVING
LABS DEVELOPING
NATURE-BASED
SOLUTIONS**



Co-creating Climate Smart Cities: A Practical Guide

Developing digital solutions for and with citizens



RUGGEDISED
Designing smart,
resilient cities for all

ORGANICITY PLAYBOOK

How to launch
Experimentation as a Service
in your city

A guide to SynchroniCity

A universal approach to developing, procuring
and deploying IoT- and AI-enabled services.





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