



A European Union  
Programme

# COOPERATION PERSPECTIVES

Presenter: Jens Bley, IURC AA Cluster Coordinator

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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

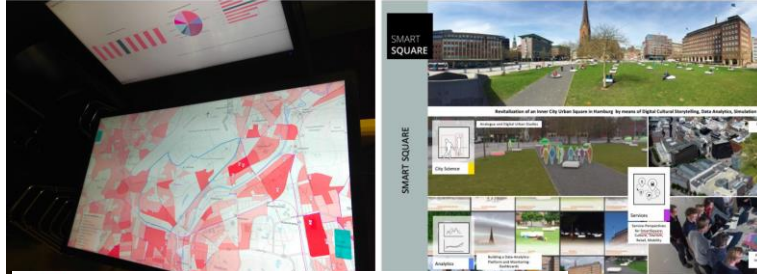


# Examples of Cooperation

## EU Cities Garden Pavilions under Construction in Yangzhou



Providing reliable data for traffic improvements + VR experiences for citizens



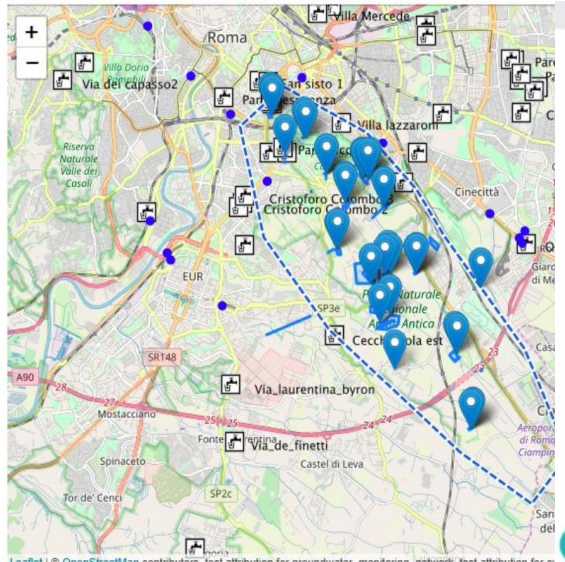
IUC ASIA

SMARTICIPATE Topics > Partecipa agli orti ...

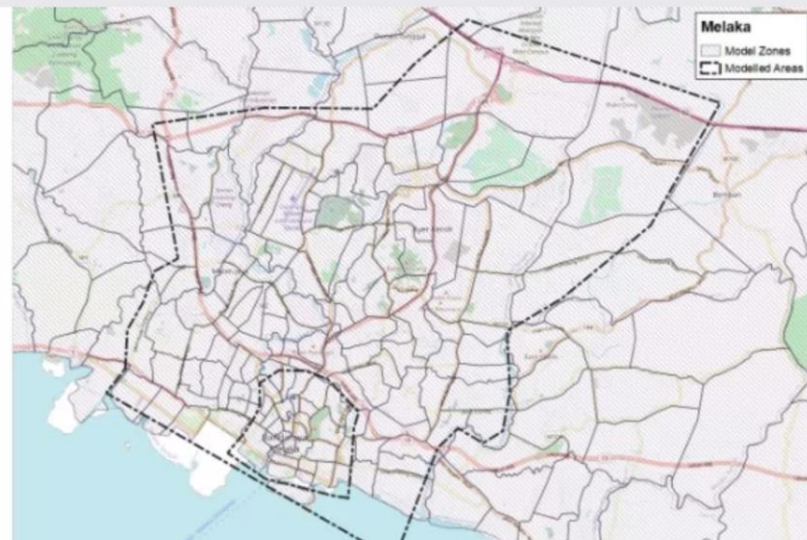


GIS-BIM for Digital Integrated Design

Case Study - Green Urban Design



Transport modelling data  
Macro and Meso scale model  
Source: MM





# Sample Resources

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



**UNaLAB**  
URBAN NATURE LABS



## Co-creating Climate Smart Cities: A Practical Guide

Developing digital solutions for and with citizens



**RUGGEDISED**  
Designing smart,  
resilient cities for all



ORGANICITY

## 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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