

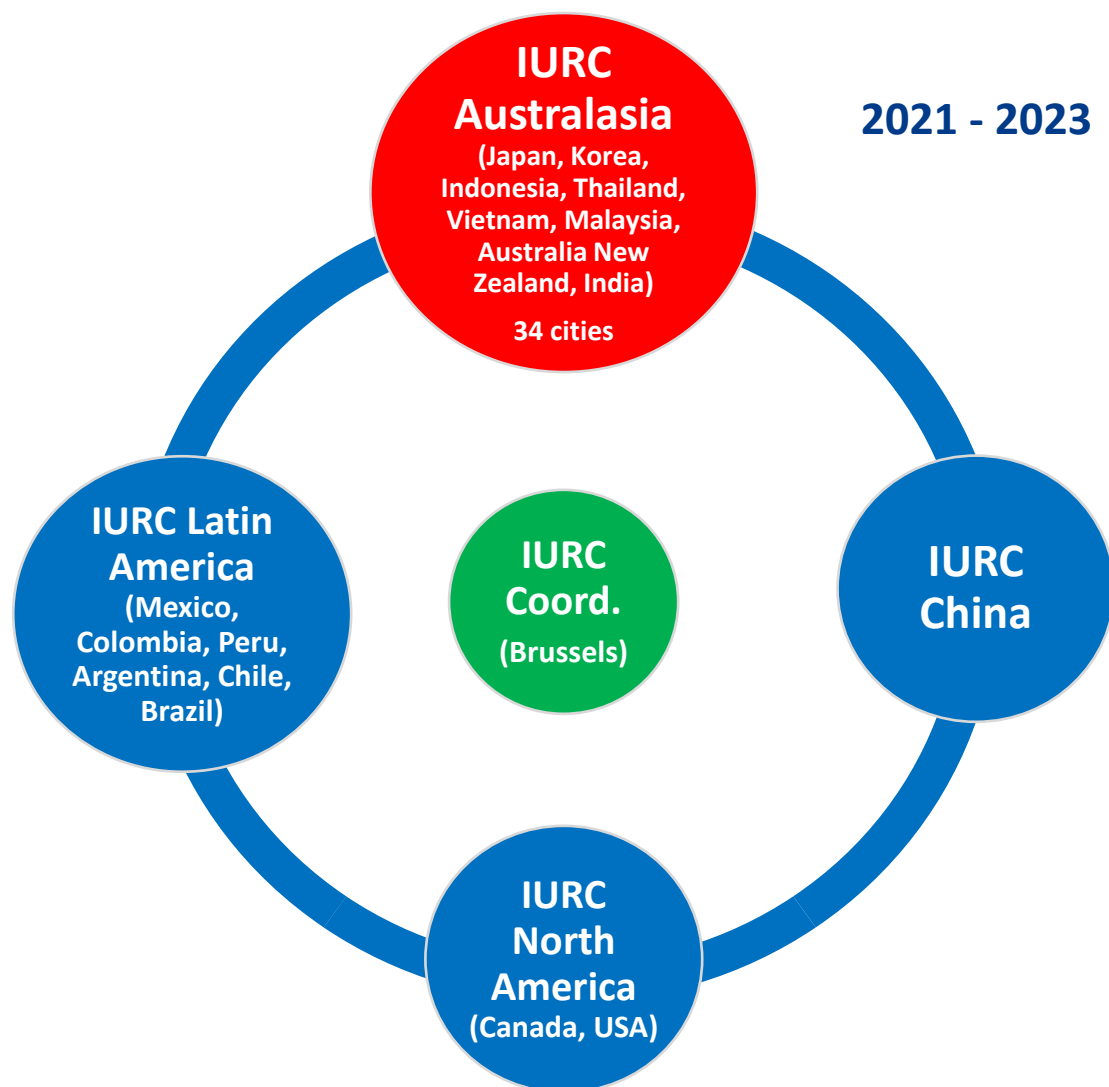
Introduction to IURC Asia and Australasia (AA)

Presenter: Pablo Gándara, Team Leader IURC AA

Date: 26/05/2021



Key Figures



What? 34 + 34 cities will be involved in pairing / cluster activities

- Thematic cluster events
- Trainings
- City-to-city / multi-city study visits
- Networking events in Brussels and the region
- Thematic & best-practices reports

Why?

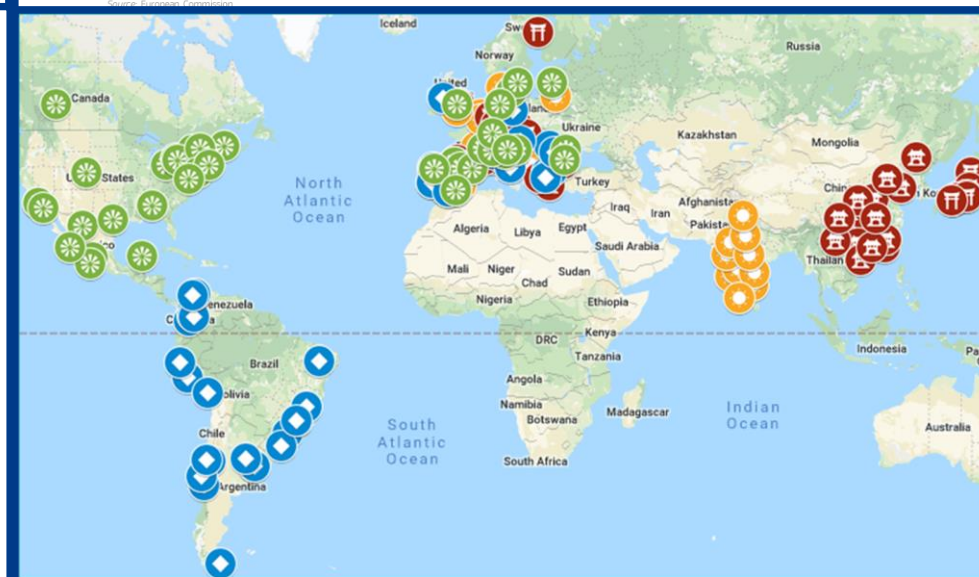
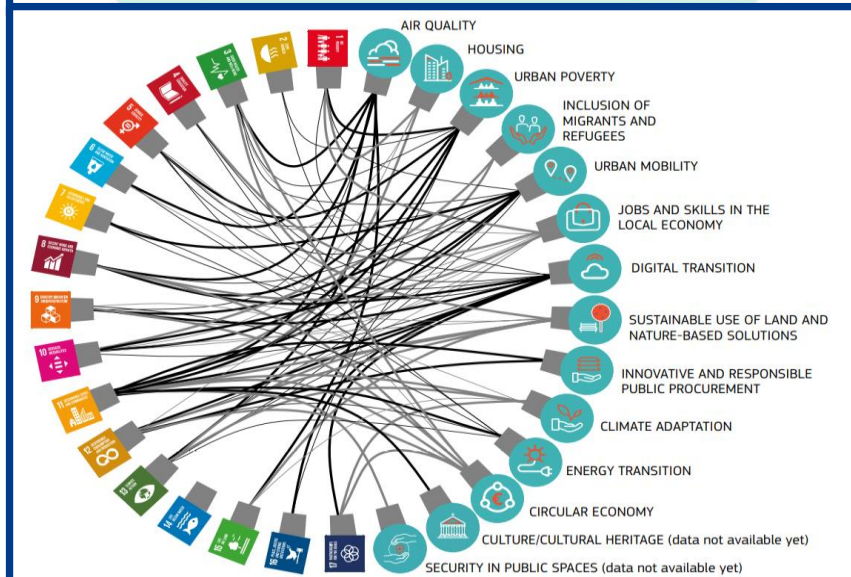
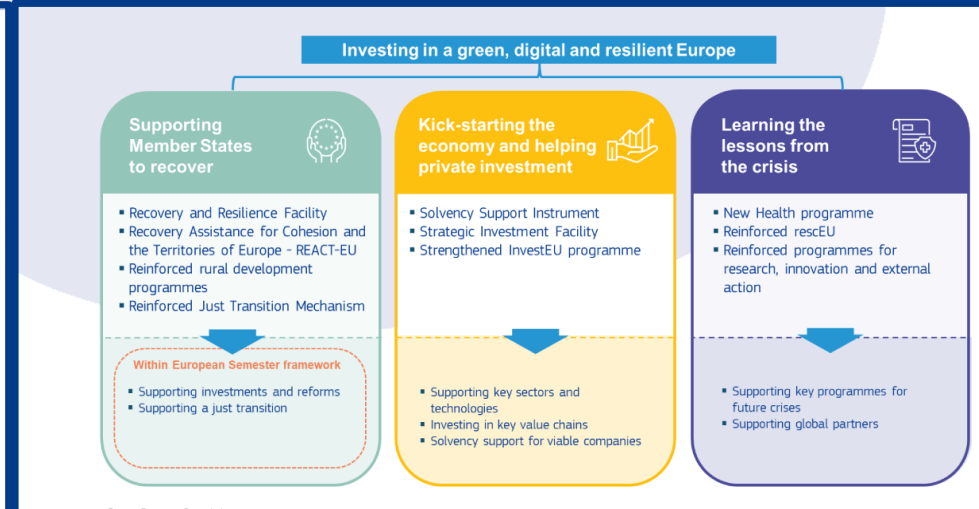
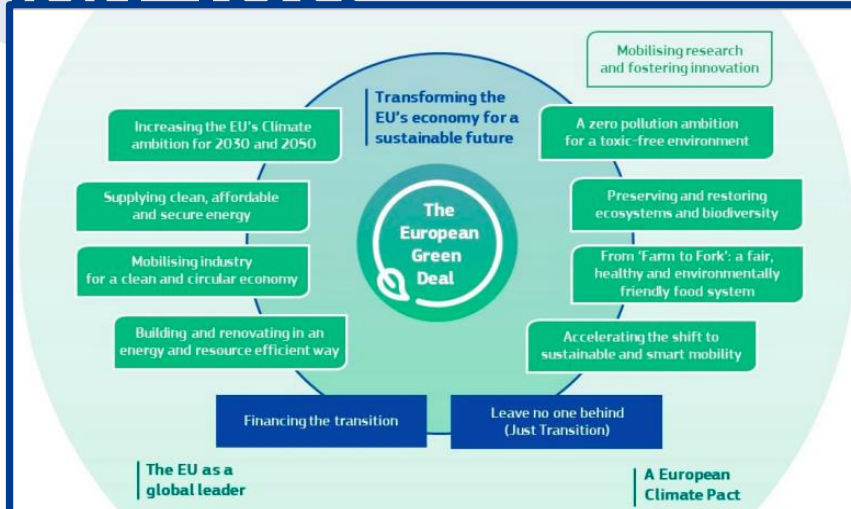
- Support EU city diplomacy (establish relationships)
- Realise pilot projects & UCAPs

How? Regional team in Thailand (coordination), India and Japan. Helpdesk for cities in all countries. Today: Australia / NZ, the Republic of Korea and Malaysia.

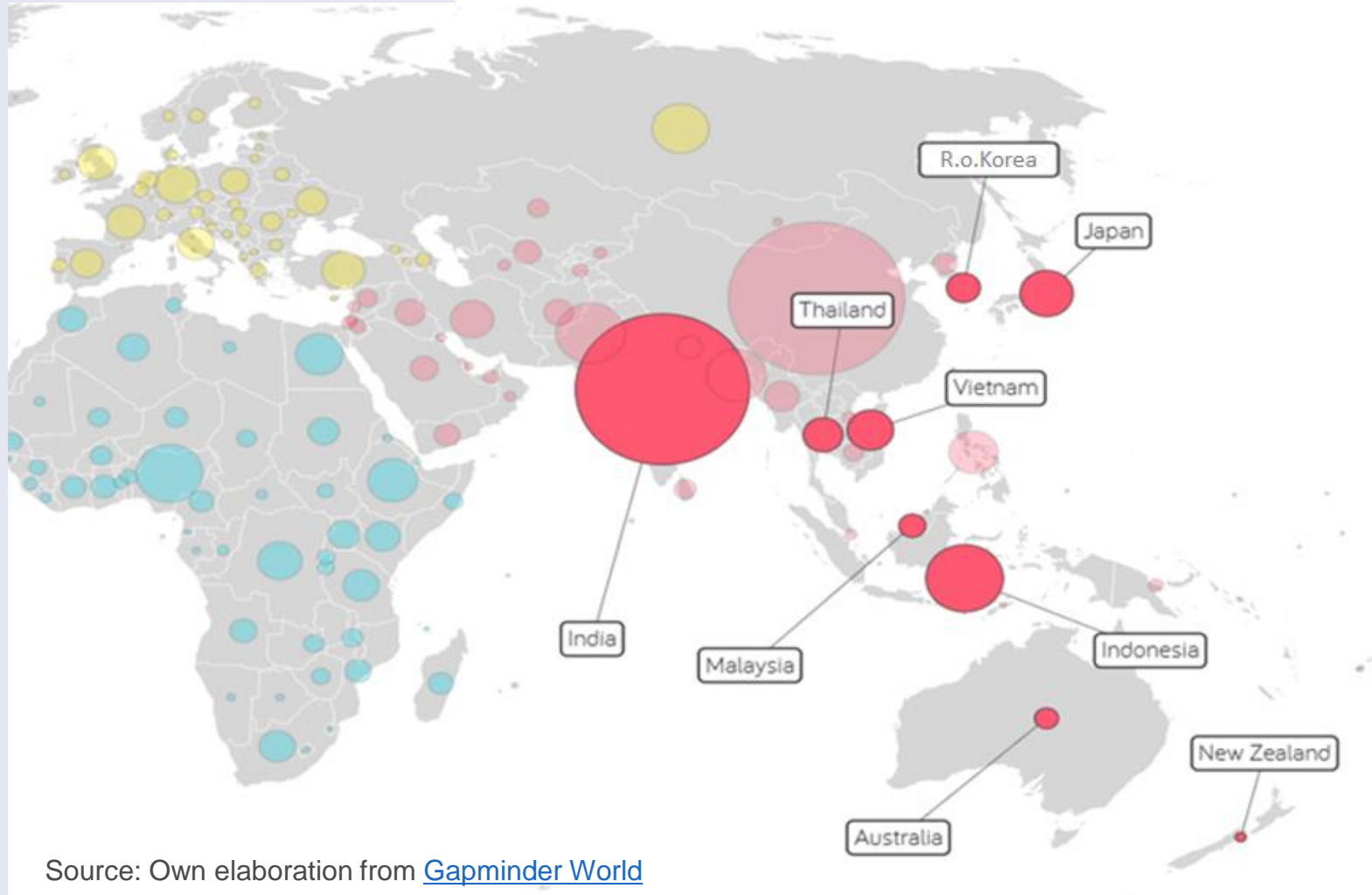
What else?

Support *business* cooperation
Design, produce and disseminate *audio-visual* content

Project Context – EU Green Deal, Recovery Package, SDGs, EU Urban Agenda IURC



The Region



Source: Own elaboration from [Gapminder World](#)

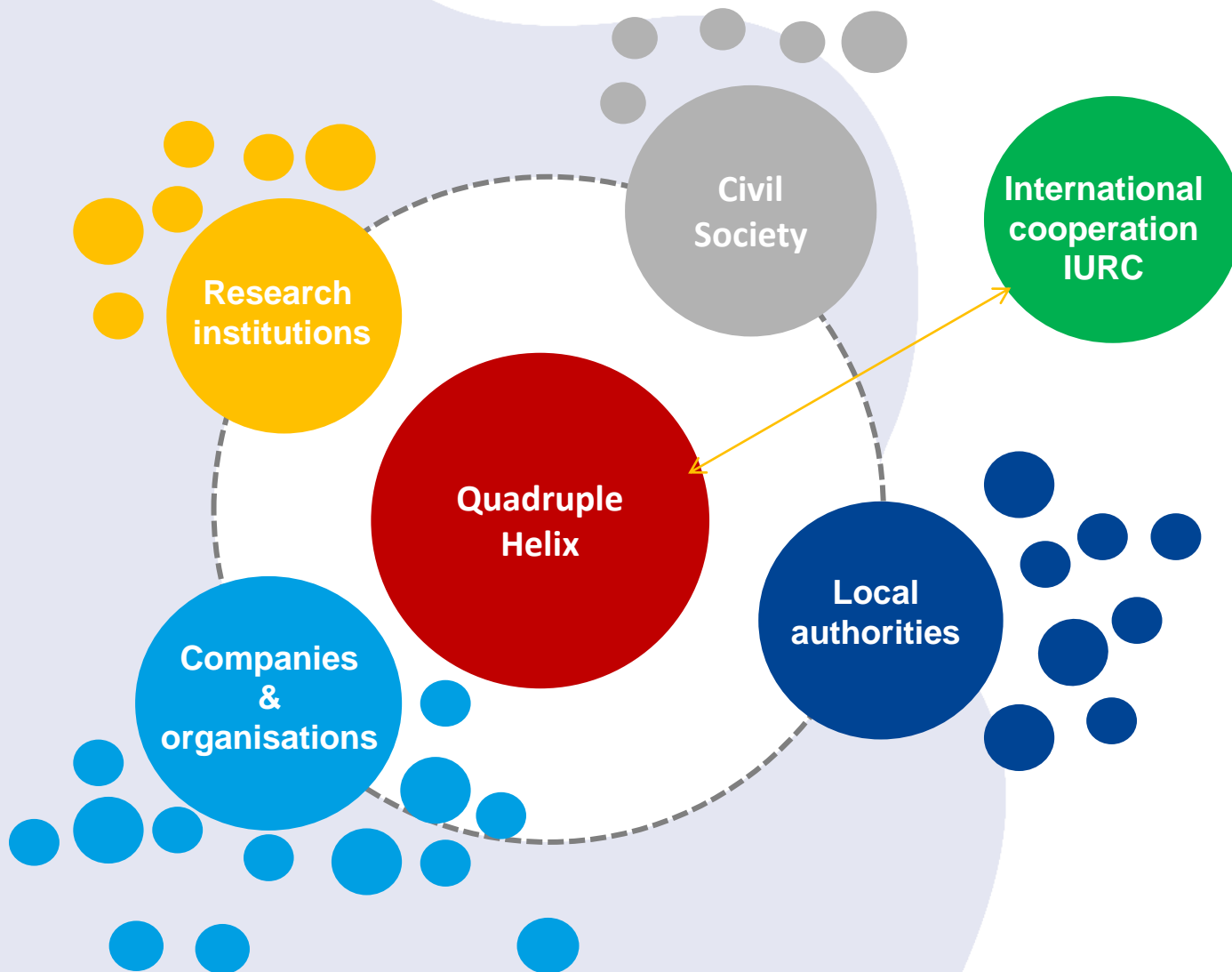
Total population in 9 Australasian contract countries: **2.06 billion inhabitants**

Fast **growing** urban population.

Remarkable **urban diversity** in the region is with regard to demographics & urban development challenges.

For example, **Japanese** cities face much higher population densities than **Malaysian** ones, and **Indian** cities growth at a much higher speed than **Australian** or **New Zealand** cities.

The Quadruple Helix Approach



Urban Cooperative Action Plan (UCAP)

- Identify key 4-Helix **stakeholders**
- Effective **matching & coaching**
- Identify **key concrete projects**
- Streamline **communication** (e.g. social media groups)
- **Follow-up** regularly (online)
- Define **decision-making** mechanism
- Develop implementation **roadmap**
- Remain at **project-level** work
- Promote **self-initiatives** by stakeholders

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

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

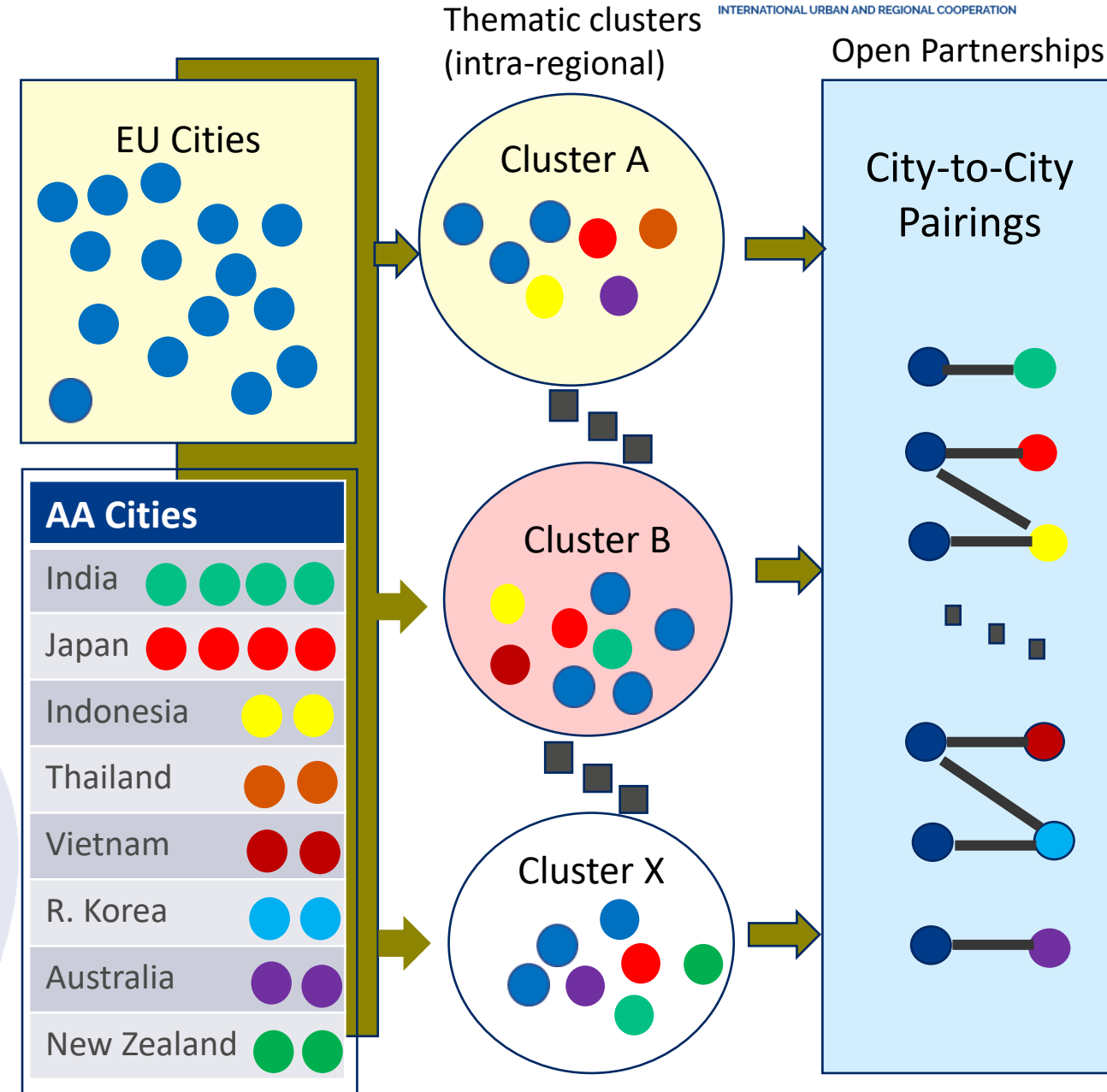
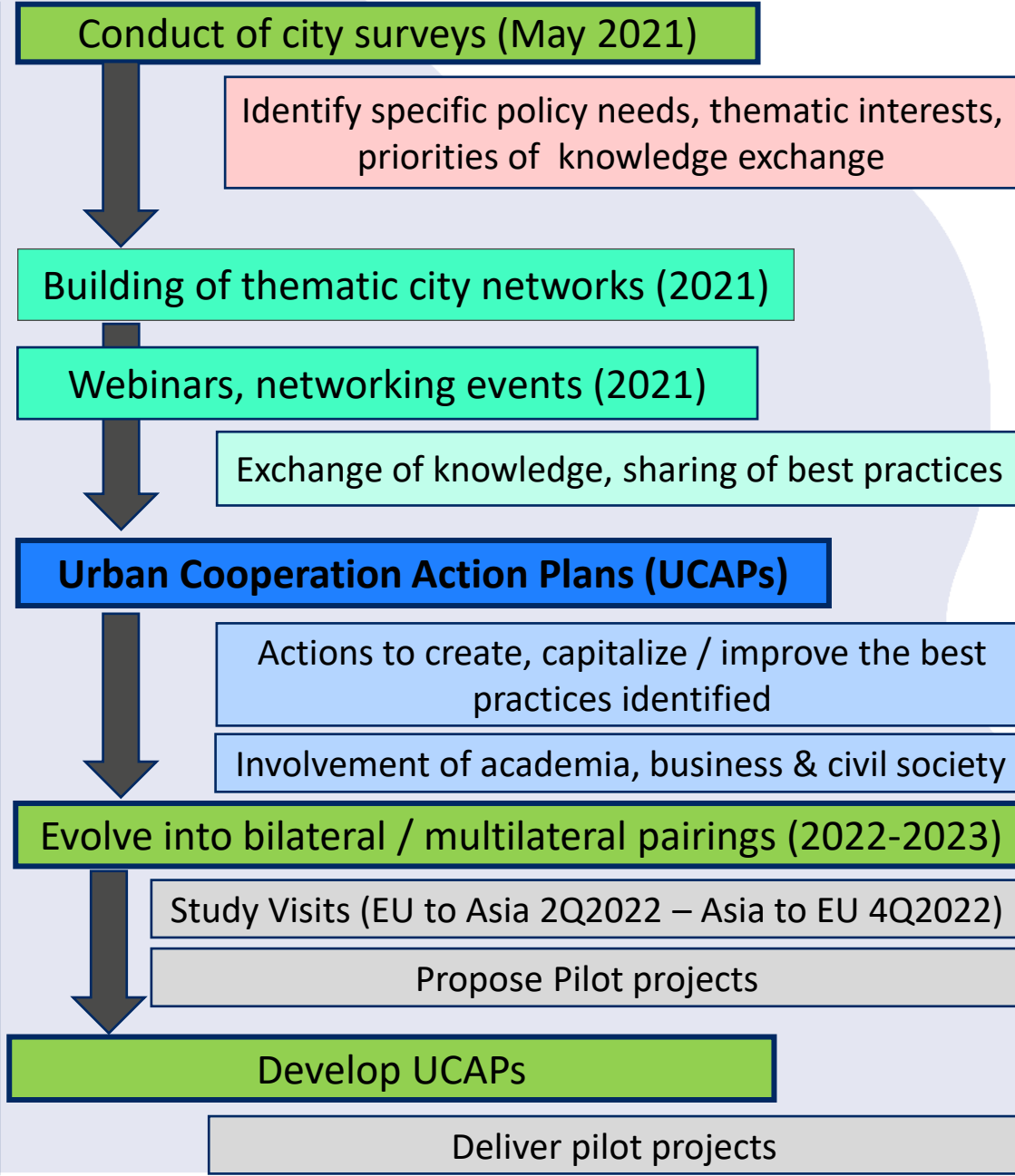


CLIMATE CHANGE & ENERGY TRANSITION



SMART CITY & DIGITAL TRANSITION

From Thematic Clusters to Pairings



Timeline 2021

- Application of European cities
- Selection of AA cities
- Establishment of Helpdesk / Country Coordination

- 1st Thematic cluster meetings

- 2nd Thematic cluster meetings
- Preparation of study tour
- Elaboration of country report

March - April

July - August

October

May - June

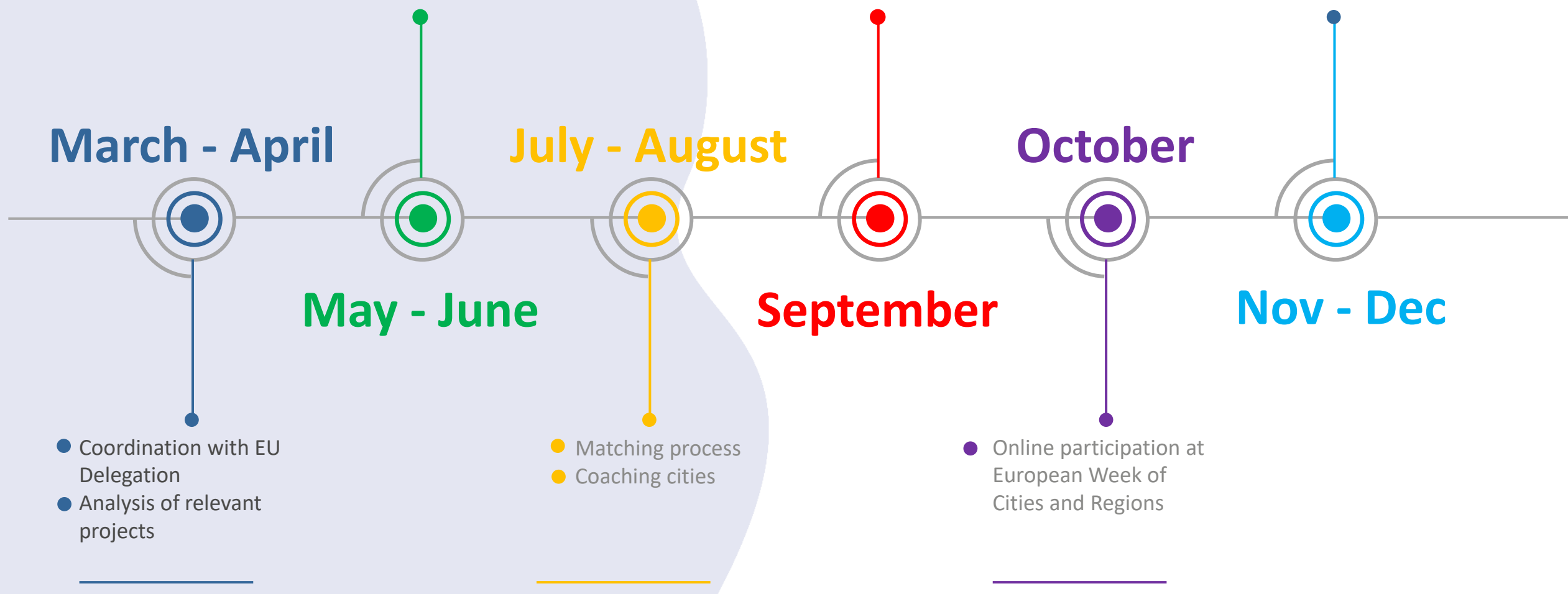
September

Nov - Dec

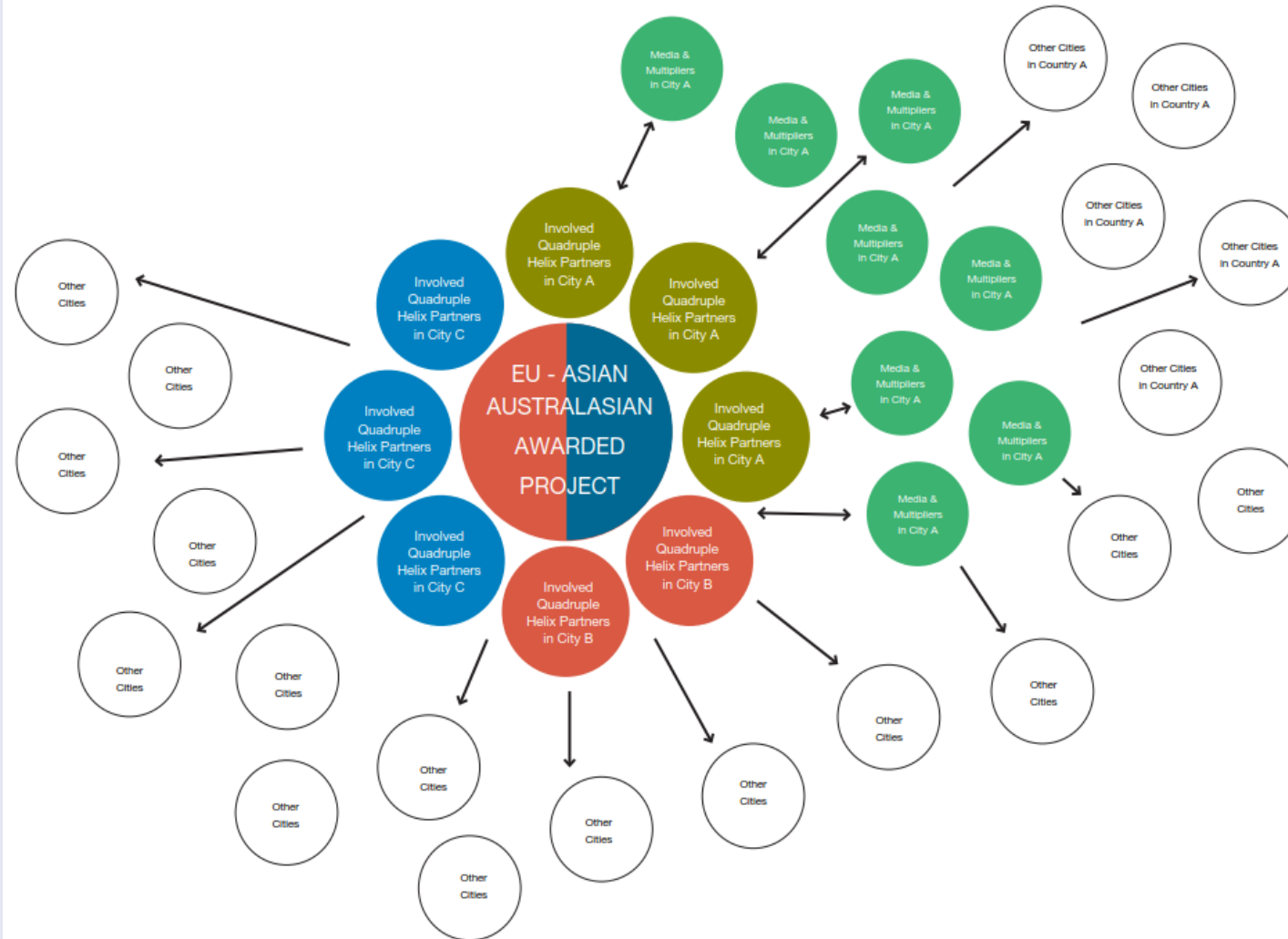
- Coordination with EU Delegation
- Analysis of relevant projects

- Matching process
- Coaching cities

- Online participation at European Week of Cities and Regions



Pilot Projects Competitive Award



- Promote city engagement for **short term actions** within the city or thematic clusters.
- The fund aims at encouraging cities to propose **innovative** and sustainable pilot projects in the short term that benefit the sustainable urban development of the cities involved.
- Applications must be submitted by the **EU cities**, since the benefit should be primarily for them.
- Moreover, this will inspire other cities to **replicate** actions, thus creating a regional **community** of practice.
- **Time:** 2022 - 2023

IUC Inspiration – Circular Economy

The image is a collage of four screenshots from a video conference. The top-left screenshot shows a grid of 20 participants in a Zoom meeting, with some participants having labels like 'IUC', 'BJ', 'U', 'M', and 'NP'. The top-right screenshot shows a close-up of a woman wearing a blue hijab and glasses, speaking. The bottom-left screenshot shows a close-up of a woman with short dark hair and glasses, speaking. The bottom-right screenshot shows a presentation slide titled 'Circular Buildings – Some Pilots'. The slide contains two sections: 'Demo 1: Large Buildings Selective Demolition in urban center' and 'Demo 2: Production of SRM construction products for building and civil engineering applications'. The slide also features logos for 'despe' and 'CINDERELA'.


Circular Buildings – Some Pilots


Demo 1: Large Buildings Selective Demolition in urban center
The Tour UAP in Lyon had to be demolished and replaced with a taller, more technological skyscraper. Two towers in Glasgow were dismantled without use of explosives. In just three months the towers had disappeared. The Italian company Despe won twice the prestigious 'World Demolition Awards' performing these demolition safely, swiftly and with 95% of recycled materials.

Demo 2: Production of SRM construction products for building and civil engineering applications
Three pilot production plants of SRM-based construction products in Maribor (Slovenia), Umag (Croatia) and Madrid – Henares corridor (Spain) will be built as part of the CinderCEBM demonstration.

IUC Inspiration – Digital Twins & Training

 **SAPIENZA**
UNIVERSITÀ DI ROMA

 Ministero per i beni e le attività culturali e per il turismo
DIREZIONE GENERALE EDUCAZIONE, RICERCA E ISTITUTI CULTURALI

 **IUC**
INTERNATIONAL URBAN COOPERATION
European Union – Asia

 A European Union Programme

Welcome to the Rivaldi Palace Virtual Tour !

This is the first Demo deployed by **CITERA Sapienza** and **MIBACT DGERIC**, with the support of **IUC-Asia Programme**, to test and show the potentialities of 360° modelling techniques and virtual environments, applied to a restoration complex worksite.

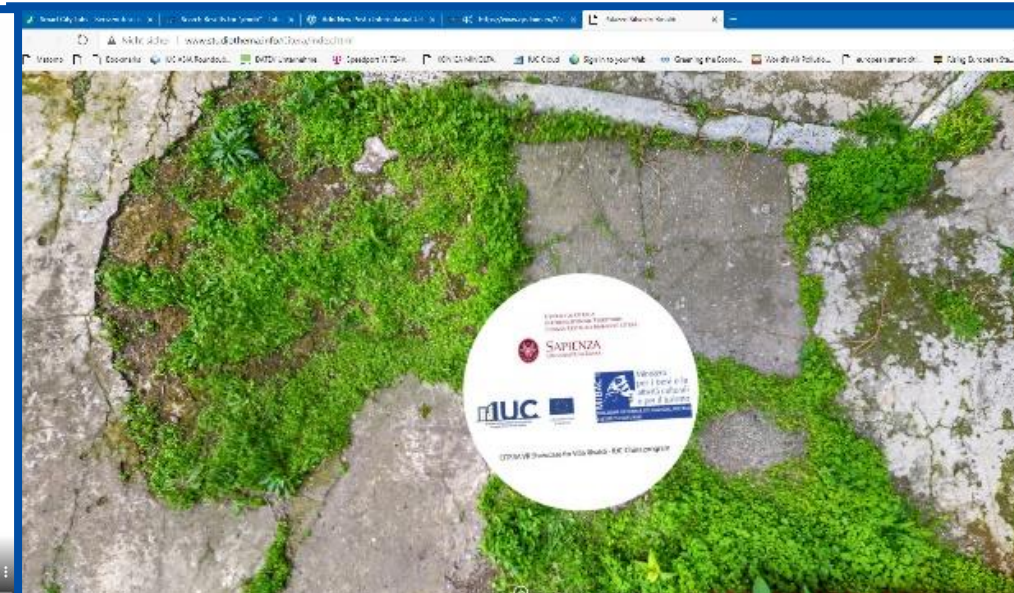
The **Digital Twin Lab of CITERA Sapienza University** is engaged in research activities in the field of digital modelling aiming to the protection and conservation of historical buildings and cultural heritage. The tradition and know-how, the Italian excellence in the field of restoration, with the support of new technologies, generate great opportunities of international cooperation for Research, Training and Education. Training on job, Living Lab and advanced research on site activities meet in the roman experience of the **Renaissance Palace of Silvestri-Rivaldi**, nearby the Colosseum, where takes place one of the most important recovery and restoration activity currently underway in Italy. Here **MIBACT – DGERIC** is managing several «Restoration School Worksites», open to students and teams from all over the world, and many workshops focusing on different applied disciplines are going to be planned within **Ad Templum Pacis Project – DTC LazioInnova Regione Lazio**.

A «School Worksite» is a place where the immaterial enrichment of new discoveries is shared on the ground, with interdisciplinary scopes and approaches and with the participation of many user profiles: historians, restorers, digital designers and modelers, architects, cultural promoters, sponsors and visitors.

CITERA Research Centre proposes new activities and workshops on Historical BIM and innovative interactive models for Digital Twins. Within the **IUC - International Urban Cooperation – programme**, Rome and Chinese cities are cooperating in this domain for R&D and educational purposes. Theory and practice have never been so close. Italy and China are working closer and closer together.

Learning by cooperating, cooperating by training

0.14 / 1.22 Enjoy the Rivaldi Palace Virtual Tour DEMO!







GIS-BIM for Digital Integrated Design

Basic Theories of Performance and Optimization Design of Green Buildings and Cities

Xing Shi, Prof., Ph.D.
College of Architecture and Urban Planning
Tongji University

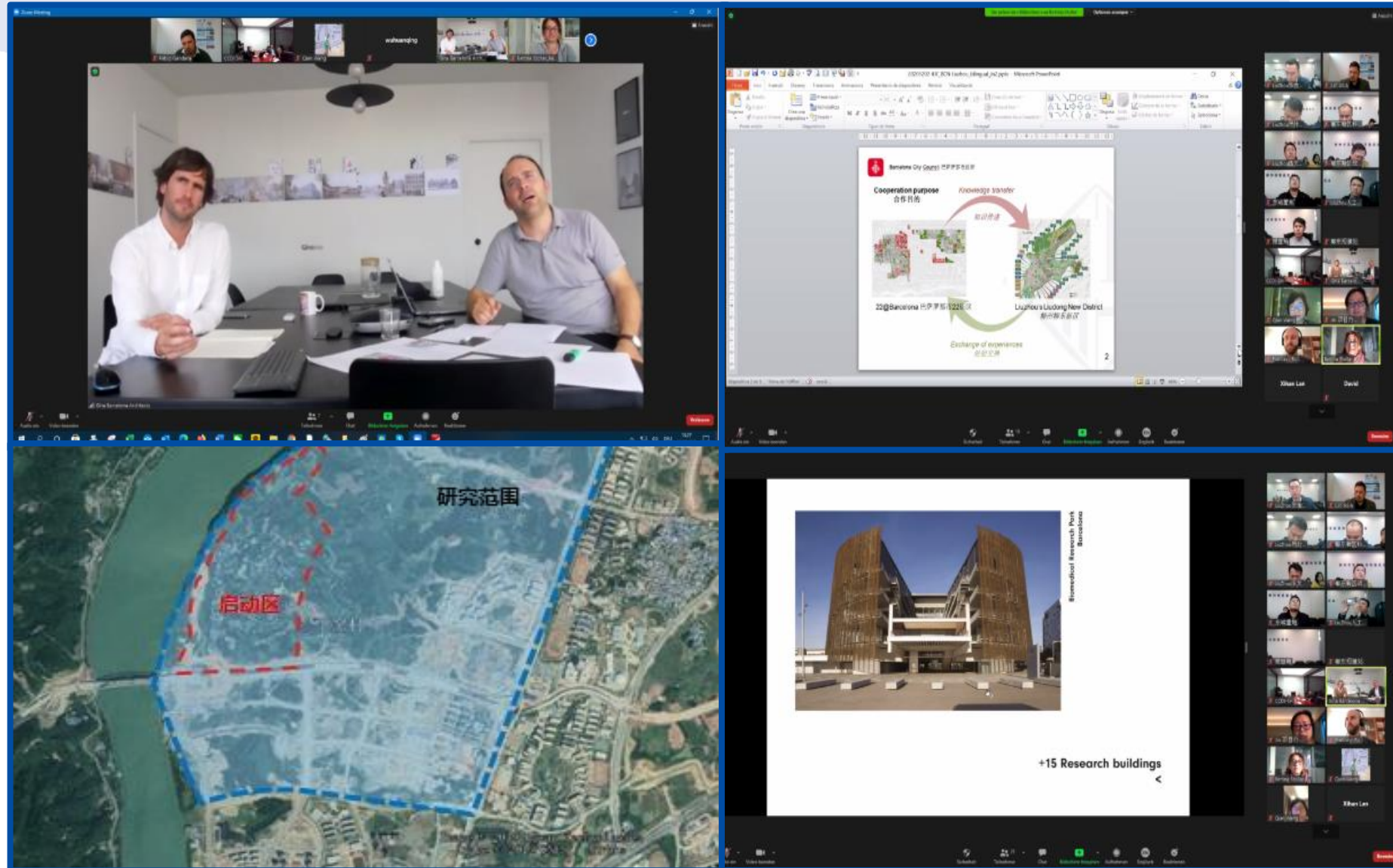




GISBIM
INTERNATIONAL
SUMMER SCHOOL

COOPERATING BY TRAINING

IUC Inspiration – Urban Development



IUC Inspiration - Innovation & Business Support



IUC Inspiration – EU Cities Business Platform & Blockchain Consultations

← → ↻ opencitysmartlab.jimdofree.com/europe-asia-smart-platform/

HOW IT WORKS

The platform allows to identify potential candidate applications for technology transfer in target business fields and supporting scientific and technological cooperation among researchers, small and medium enterprises, start ups, entrepreneurs, investors. The platform is also used to contact identified companies in order to validate the foreseen interest. At this stage, the efficiency of the link enabled by the platform is key to enable rapid validation and prioritization of the different technology transfer paths identified. This step is preceded by a validation phase through experts who help better articulate the potential benefit of the technology placed in new context.

Research

TRL 6 Prototypes
Innovative Start Ups
Research Organisations

Business

Strategic partners
Pilots and Demonstrators
Go to Market

Experts

MILESTONES

PATENT INVENTORS: Giovanni Raspa & Gianluigi Tiberi

2010	2012	2015	2016	2017	2018	2019
THEORETICAL STUDY	PHANTOM TESTS	PHANTOM TESTS	CLINICAL TRIALS	CLINICAL TRIALS	CLINICAL TRIALS	CLINICAL TRIALS
		STARTUP ACADEMY Unicredit Start Lab PIL CITY	STARTUP ACADEMY Unicredit Start Lab	Medtec START-UP ACADEMY Entrepreneur & Technology	HORIZON 2020 SME-INSTR PHASE 2 WINNER	HORIZON 2020 SME-INSTR PHASE 1 WINNER
		ITALY PATENT GRANTED			CHINA PATENT GRANTED	USA PATENT GRANTED

The SMART CITY CLUSTER

An Alliance of 120+ members of the Smart Cities Industry

Helping Cities become Better Places since 2014

Biotechnology and Blockchain Innovations

How blockchain can be used in Biotech Companies?

Maria Ogiyzer League


Blockchain

- What does it bring to us?
Transparency, Integrity, Data preservation, Secure automation
- Alastria: federated blockchain Spanish platform
- Legislation
Actually there are several efforts to develop a common European legal framework
- Use Cases in Public Administration
 - Identity Management
 - Assets Records
 - Smart contracts
 - e-Voting
 - e-Health
 - Justice Administration
 - Education Certificates
 - e-Procurement

For country information, please visit our regional website www.iurc.eu/australasia



COUNTRY INFORMATION **NEWS FROM ASIA & AUSTRALASIA**




Thailand

📍 Siriwat Pokrajem · 📅 May 3, 2021 · 🕒 3 Min Read

IURC Asia & Australasia Partner Country: Thailand
Country Description Thailand is not only undergoing rapid urbanisation but is also implementing various policies to tap urbanism for economic growth and promote...

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COUNTRY INFORMATION **NEWS FROM ASIA & AUSTRALASIA**



Malaysia

📍 Siriwat Pokrajem · 📅 May 3, 2021 · 🕒 2 Min Read

IURC Asia & Australasia Partner Country: Malaysia
Country Description Malaysia has 31 million inhabitants (2016 census estimation) and surface of about 330,000 km² (a bit smaller than Germany). As a...

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COUNTRY INFORMATION **NEWS FROM ASIA & AUSTRALASIA**



Republic Of Korea

📍 Siriwat Pokrajem · 📅 May 3, 2021 · 🕒 3 Min Read

IURC Asia & Australasia Partner Country: Republic of Korea
Country Description Over the past years under a green growth strategy, different authorities have launched a number of initiatives on urbanisation...

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COUNTRY INFORMATION **NEWS FROM ASIA & AUSTRALASIA**



New Zealand

📍 Siriwat Pokrajem · 📅 May 3, 2021 · 🕒 2 Min Read

IURC Asia & Australasia Partner Country: New Zealand
Country Description The New Zealand population has become increasingly urban, like the rest of the world. The size of New Zealand cities...

[READ MORE →](#)

Your Name
pgandara@iurc.eu



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