



A European Union
Programme

EU-KOREAN CITIES COOPERATION

Presenter: Pablo Gándara, Team Leader Asia &
Australasia

Date: 30/09/2021



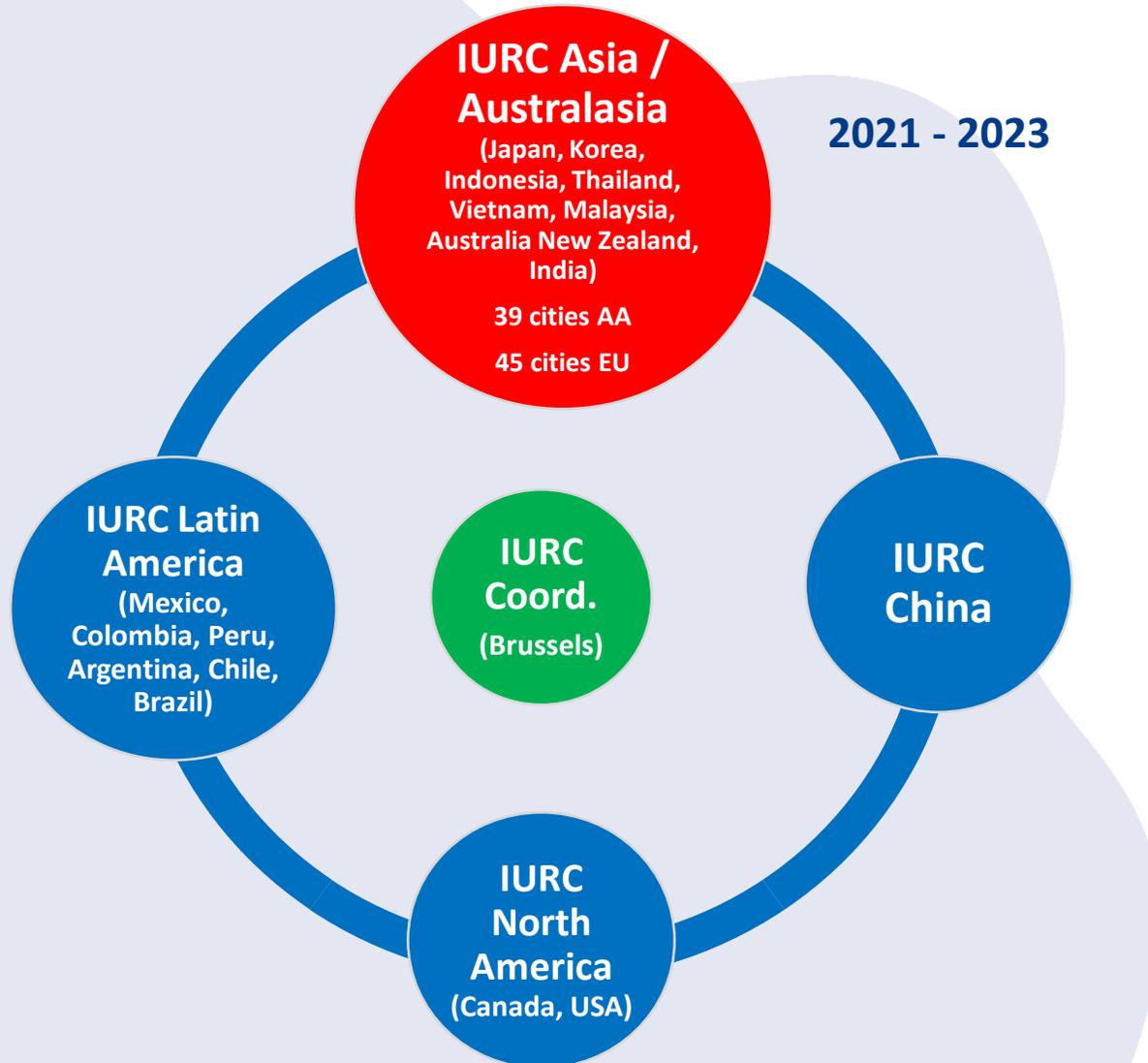
Briefing Contents

- The **objective** of today's kick-off meeting
- **What is** the IURC Programme about?
- **How** does the project facilitate knowledge exchange?
- **What** does the cooperation entail?
- **How** do EU-Korea cities add value to each other?
- The **focused thematic clusters/networks**
- **Introducing EU cities to Korea and vice versa**
- **What** are the bilateral/multilateral working mechanisms?

Objective of the Kick-Off Meeting

- To create an **opportunity** for the EU-Korea cities to e-meet and to give a **preliminary briefing** of what the IURC programme is all about and what is the **endgame**
- To provide a platform to generate **better understanding** of what the EU-Korea **city-to-city cooperation hopes to achieve**
- To give both sides an opportunity to **ask questions to align thoughts** and to **start thinking of the target focused areas of cooperation** by understanding **Korean cities' key challenges**
- To **manage expectations** of EU and Korean cities – what to expect, how IURC Asia-Australasia facilitates this process
- **Financial contributions and commitments** involved

Key Figures



What?

- A programme of the EU managed by the [FPI](#)
- Support by the EU Delegations, [DG REGIO](#).
- Cities from the EU and non-EU 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 **concrete** pilot projects & UCAPs.

How? Regional team in Thailand (coordination). Helpdesks for cities in all countries. Cross-country *thematic clusters* experts.

What else?

Support *business* cooperation.

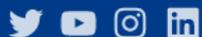
Design, produce and disseminate *audio-visual* content.

Project Team




Cross country thematic cluster experts (NKE) with strong EU thematic knowledge

Find the cities at www.iurc.eu



Latin America

North America

China

Asia & Australasia



About

Thematic Networks

Cities & Regions

News & Events

Contact 🔍



Cities



Regions

Refine Your Search

+ Search by country

- Geographical focus

+ Thematic Cluster

+ Cross Cutting Challenges

Your filters:

Asia & Australasia x

All

Europe

Latin America

North America

China

Asia & Australasia

▼ Albacete, Spain

Europe

Asia & Australasia

Cities from the Republic of Korea

Cities

▼ Busan, South Korea

Asia & Australasia

▲ Sejong, South Korea

Asia & Australasia



Population: 351k.

Area: 465 km²



Thematic Clusters



Cross-cutting challenges



▼ Seoul, South Korea

Asia & Australasia

Sejong Special Self-Governing City is the de facto administrative capital of the Republic of Korea, located in the centre of the country. It was founded in 2007 as the new planned capital of South Korea and is well-known for specialising in smart city, mobility and transportation.

Republic of Korea (3+3)

- Building up on EU World Cities (2017-2018) and IUC (2017-2020) projects:
 - 4 city-to-city partnerships
 - 3 climate action plans *peer reviewed*
- Policy context:
 - Digital New Deal (digital innovation)
 - Green New Deal (net-zero emissions / low-carbon)
 - Stronger Safety Net (inclusive country)
- Coordination by CITYNET
- Korean cities: Seoul, Busan, Sejong
- EU cities: Dublin, Rotterdam, Sofia





World Cities

EU – Third Countries Cooperation on Urban and Regional Development



PROJECT	ACTIVITIES	CITIES	COUNTRIES	RESULTS	TOPICS	한국어	BAHASA	TIẾNG VIỆT
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2017-2018

EU – INDONESIA

2015-2016

EU – KOREA



EU – VIETNAM



SEOUL & SONGPA-GU

EU – SOUTH AFRICA

GWANGJU

EU – AUSTRALIA

SUWON



BUSAN

EINDHOVEN

TAMPERE

BARCELONA

SCOTTISH CITIES



Creating Shared Value

- Building partnerships and strengthening networks during Covid-19
 - Pilot projects, engage in research in solving pressing city problems
- Knowledge exchange
 - Grow city champions to accelerate urban innovation combining EU expertise and Korea's local knowledge on the ground
- EU Best Practices
 - Thematic study visits to EU to witness best practices in action
- Korea's contribution
 - Thematic study visits to Korea: deeper understanding of EU cities in addressing key challenges on the ground
- Global Knowledge Platform
 - EU-Korea case studies and U-CAPs as replication models

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

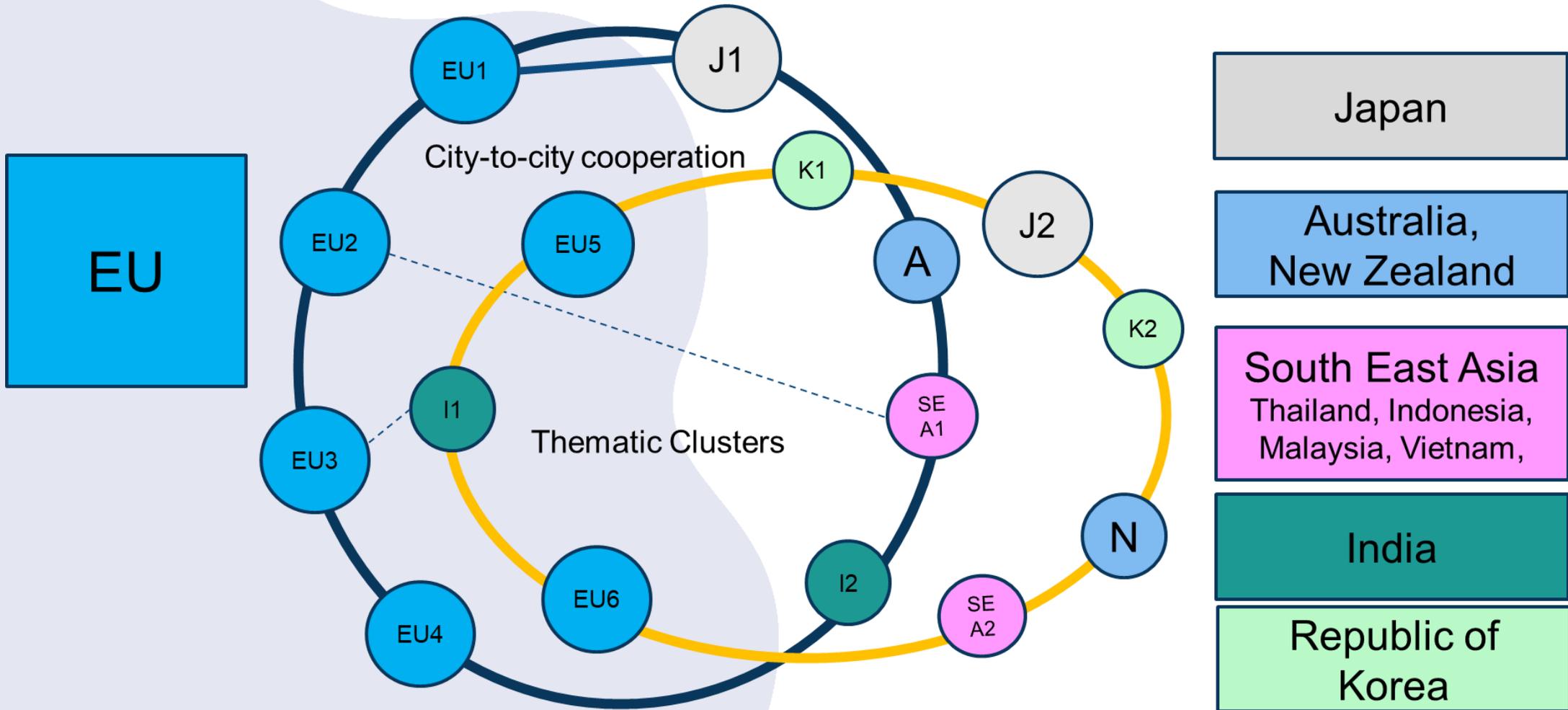


CLIMATE CHANGE & ENERGY TRANSITION



SMART CITY & DIGITAL TRANSITION

Clusters and Sub-Regions



Thematic cluster meetings - example

ADDRESSING CLIMATE CHANGE IN CITIES

Nature-Based Solutions and Green Infrastructure

JOIN US ON **5 OCTOBER 2021**
16:00-17:30 KST | 09:00-10:30 CEST



SCAN TO
REGISTER!

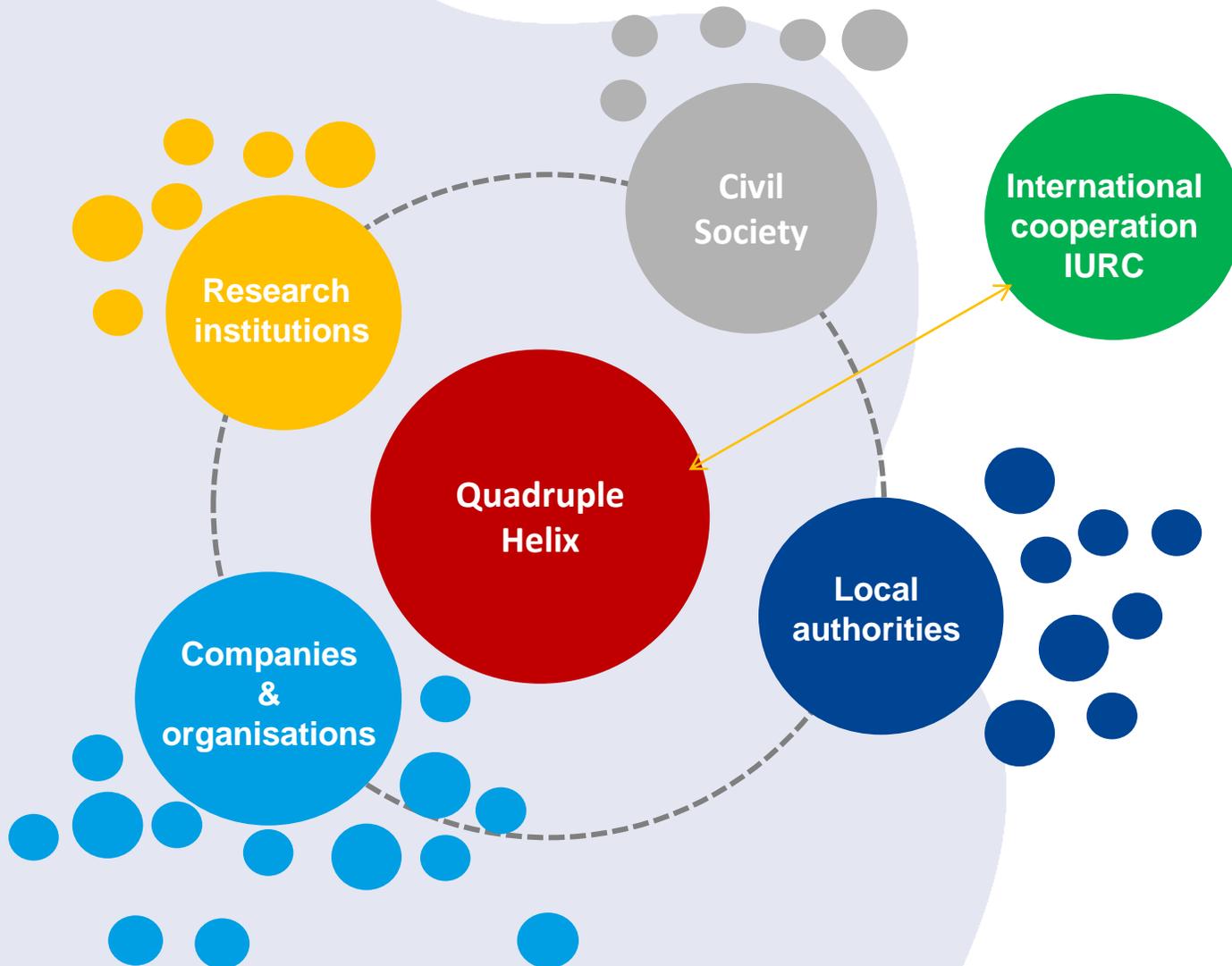


FEATURING 2
PANEL DISCUSSIONS

Panel 1
*Nature-based solutions
and urban heat islands*

Panel 2
*Water retention
infrastructure for heavy
rainfall and flooding*

The Quadruple Helix Approach



Urban Cooperative Action Plan (UCAP)

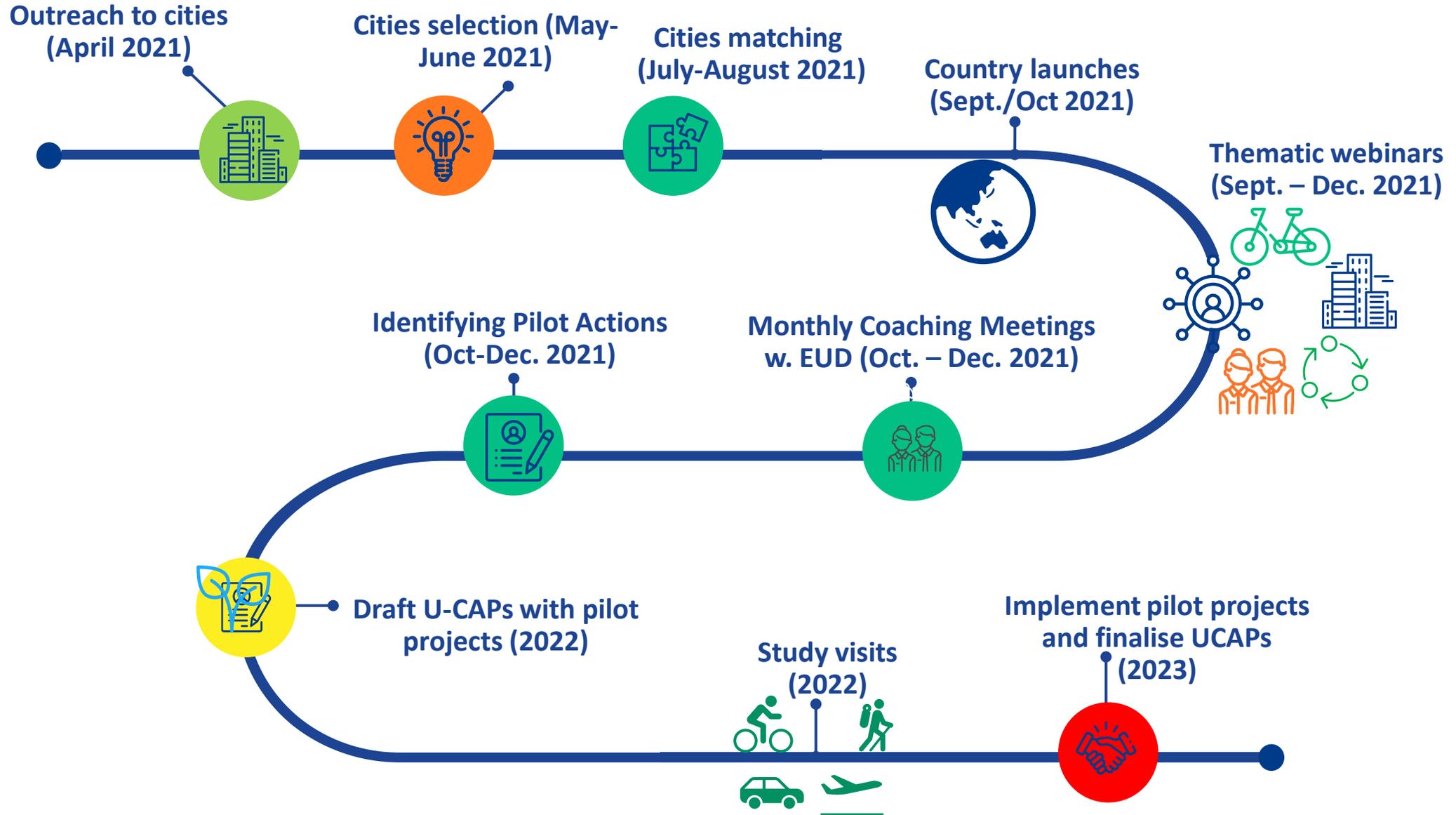
- Identify key 4-Helix **stakeholders**
- Effective **matching & coaching**
- Identify **key concrete projects**
- Streamline **communication** (e.g. social media groups)
- **Follow-up** regularly (online)
- Define **decision-making** mechanism
- Develop implementation **roadmap**
- Remain at **project-level**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

The UCAP

- The IURC AA project team will adapt the Urban Cooperation Action Plans (UCAPs) template (to be delivered by the CCS) and will make use of them as living documents, containing:
- A constantly updated **roadmap** for the cooperation throughout and beyond the financial EU support period, and
- A brief **assessment** of how the IURC project actions contribute to the existing urban development strategies at local, national and international level.
- Expected **results** and benefits.

City:		
Province, State, Department...:		
Country:		
Population:		
Size (km²)		
Period of cooperation		
Cooperation <u>Themes</u>:		
Related <u>SDGs</u> and <u>Urban Agenda</u> topics:		
Key <u>focus</u> of cooperation themes:		
Key <u>challenges</u> of cooperation theme:		
Main <u>objectives</u> of cooperation as described in the U-CAP:		
Short description of main <u>activities</u> and key <u>outputs</u> (e.g. pilot projects):		
Expected <u>results</u> and <u>benefits</u>:		

Timeline 2021 - 2023



IURC Activities



NEW GREEN POSSIBILITIES

19 POLICY TALK

The Policy Talk will invite city officials and urban planners to share the vision of their respective city's green urban development and exchange ideas on policy and incentive mechanisms.

GREEN CITY SHAPE

Scan to Register



Moderator: Peeradorn Kaewlai
(Professor and Researcher)



Young-Chang Cho
(Seoul Metropolitan Government)



Brigitte Köhnlein
(Deputy Head, Department of Federal, European and International Affairs, Ministry for Environment, Climate, Energy and Agriculture, City of Hamburg)



Thomas Jacob
(Head of International Project, Senate Chancellery Senate of the Free and Hanseatic City of Hamburg)



Dr. Patrick Maurelli
(Senior Advisor at Disorse per Roma SpA (an urban management agency in Rome) and a civil engineer, an expert in urban planning and renewable energy)



Wirat Manassanitwong
(Director-General of Environment Department, BMA)

LIVE ZOOM | PAGE : CITY CRACKER

19 July
(GMT+2)
10.00-12.00
(GMT+7)
15.00-17.00
(GMT+8)
16.00-18.00
(GMT+9)
17.00-19.00

BANGKOK DESIGN WEEK 2021

#BKKDW2021 #BangkokDesignWeek



NEW GREEN POSSIBILITIES

International online forum

23 JULY PLATFORM TALK

The Platform Talk will highlight key "platforms", or initiatives and networks, that promote green urban development. The topics for the discussion will include how these platforms can be sustained and scaled-up so that more green spaces can be developed in urban areas, resulting in a better quality of life for the people.

Scan to Register



Moderator: Supitcha Tovivich
(Asa CAN, Academic Expert from Silpakorn University)



Yossapon Boonsom
(Founder of welpark)



Daniela Patti
(Managing Director of Eutropan, Cooperative City Magazine)



Sofia Castelo
(Lead for the Environmental Resilience Community of Practice in Think City)



Piero Polizzaro
(Chief Resilience Officer, Department City Resilience)

LIVE ZOOM | PAGE : CITY CRACKER

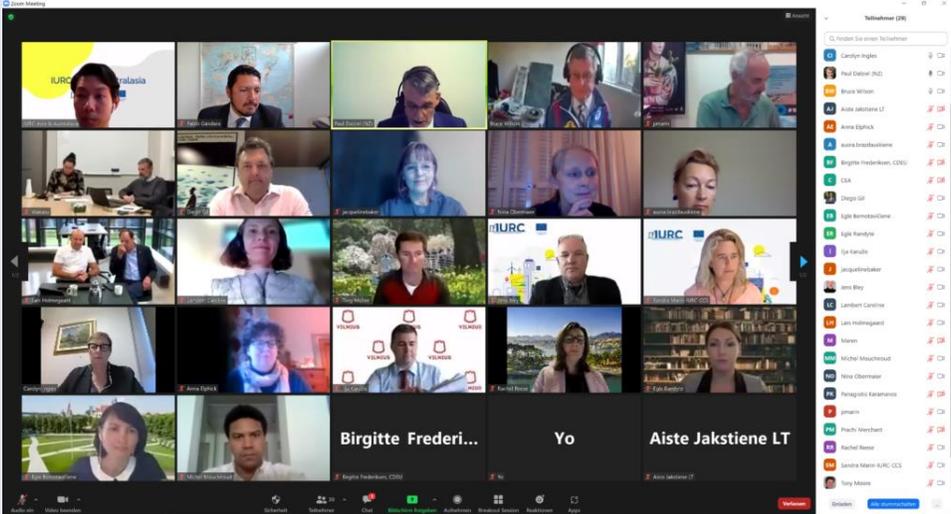
23 July
(GMT+2)
10.00-12.00
(GMT+7)
15.00-17.00
(GMT+8)
16.00-18.00
(GMT+9)
17.00-19.00

BANGKOK DESIGN WEEK 2021

#BKKDW2021 #BangkokDesignWeek



IURC Activities



Whakatū / Lemvig

- Our connections / engagement: Visits to Denmark, Visit to Aotearoa / NZ.
- Principles of Collaboration. Working together on local and national climate challenges through the Klimatorium forum and the Quadruple Helix model.
- New ways of working collaboratively together on an international scale. Involvement of private and public companies, national and local government, research and education institutes and the community who will work together in an innovative way which supports the goals and aspirations of each Party and their regions.
- Support with the opening of the Klimatorium / Klimatorium.
- IURC Opportunity.
- We have established relationships with Norway (Statland, National Institute of Nutrition and Seafood Research, Nofima), Netherlands (Food Valley and Wageningen), Matis in Iceland and the Stockholm Resilience Centre – Stockholm in Sweden.

EIXO Atlantico, Portugal/Spain

- Eixo Atlántico (EA), is a cross-border association of 39 municipalities from Galicia (Spain) and North of Portugal with nearly 30 years of experience in joint local development.
- **Pilot Area for IURC:** Intermunicipal Community of Terras de Trás-os-Montes (CIM TTM) - 117,527 inhab.
- **Economy:** Large agricultural and forestry resources with a strong agro-industrial sector. Tourism & technology.
- **Interest:** Sharing experience in building an to urban agenda for functional areas (transferring methodology) and looking at the experience of similar areas to learn from them and transfer good practices to CIM TTM.
- **Areas of interest:**
 1. Urban agenda / Planning, SUD strategies
 2. Mobility & Transport – metropolitan connection
 3. Circular economy – waste management

IURC Asia & Australasia Reads



Working Group Meeting On Solid Waste Management (Developments And Updates) From The Indian Cities Of Gangtok, Leh And Vijayawada

👤 Siriwat Pokrajien · 📅 September 27, 2021 · 🕒 2 Min Read

On 24 September 2021, the German RETech Partnership and the International Urban and Regional Cooperation programme of the European Union together organised an exclusive webinar on solid waste management in...

[READ MORE →](#)



Warm Atmosphere At EU-Japan IURC Kick-Off Meeting

👤 Siriwat Pokrajien · 📅 September 17, 2021 · 🕒 3 Min Read

On 16 September, the Japan Helpdesk, led by Mr. Hidefumi Imura, Urban Development Expert Japan, organised a kick-off meeting to welcome partner cities to a new phase of EU-Japan urban...

[READ MORE →](#)



Enthusiastic Participation From EU And Malaysian Cities During Kick-Off Meeting

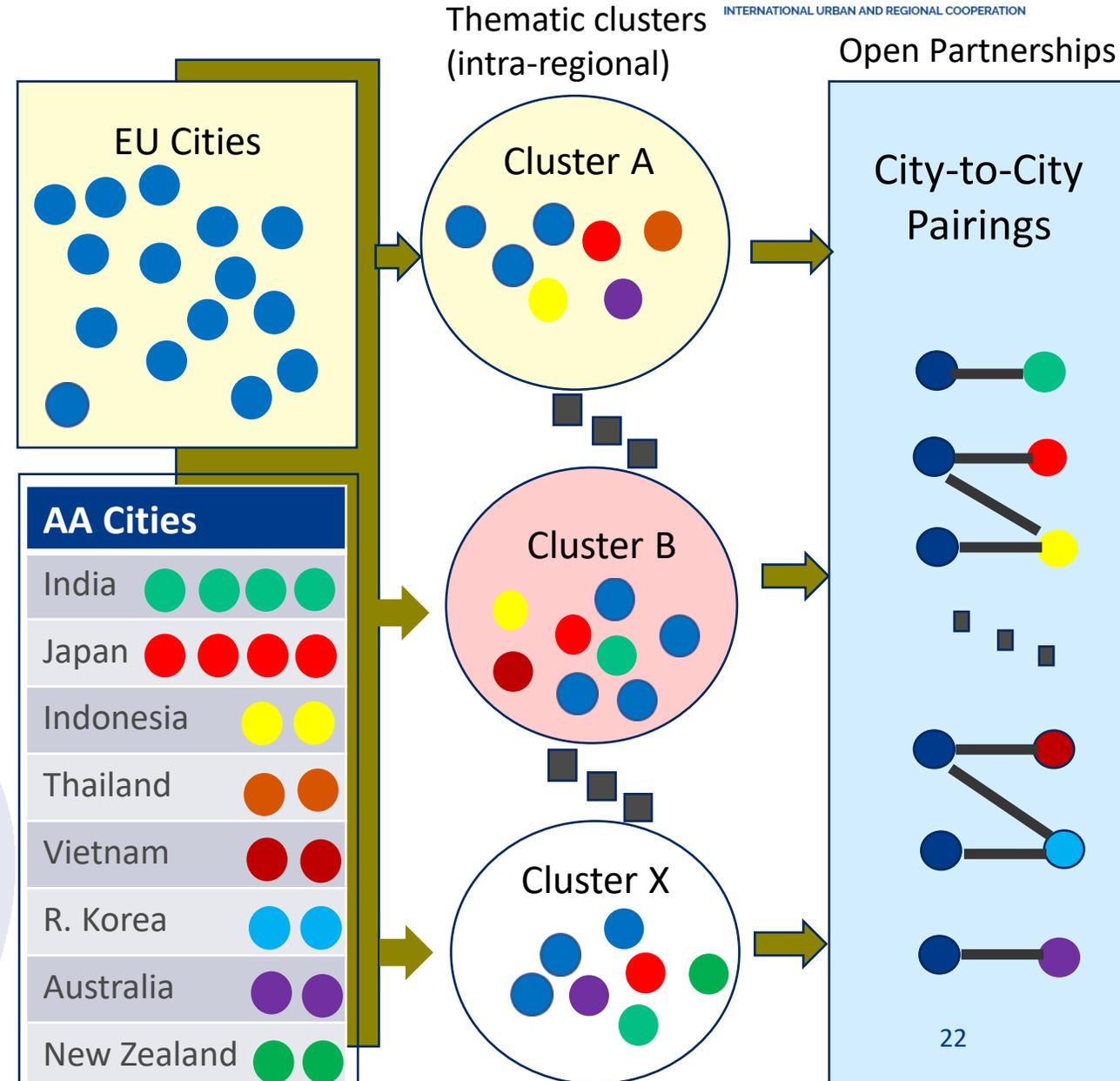
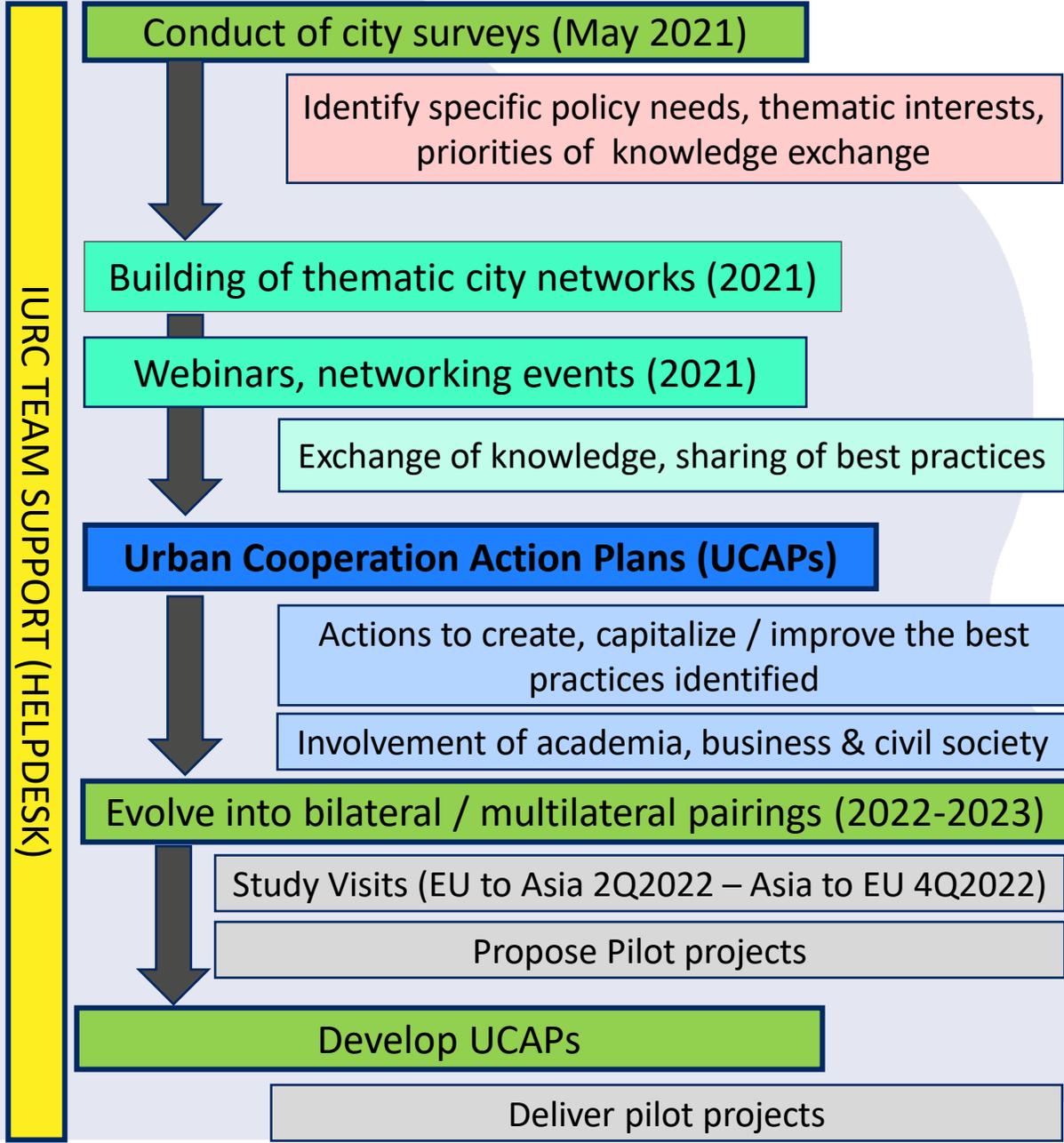
👤 Siriwat Pokrajien · 📅 September 16, 2021 · 🕒 3 Min Read

Some 20 city coordinators from Penang and Malacca in Malaysia, Maia and Vila Nova de Famalicão in Portugal, and NCI / Bologna in Italy participated in the EU-Malaysia Cities Kick-off...

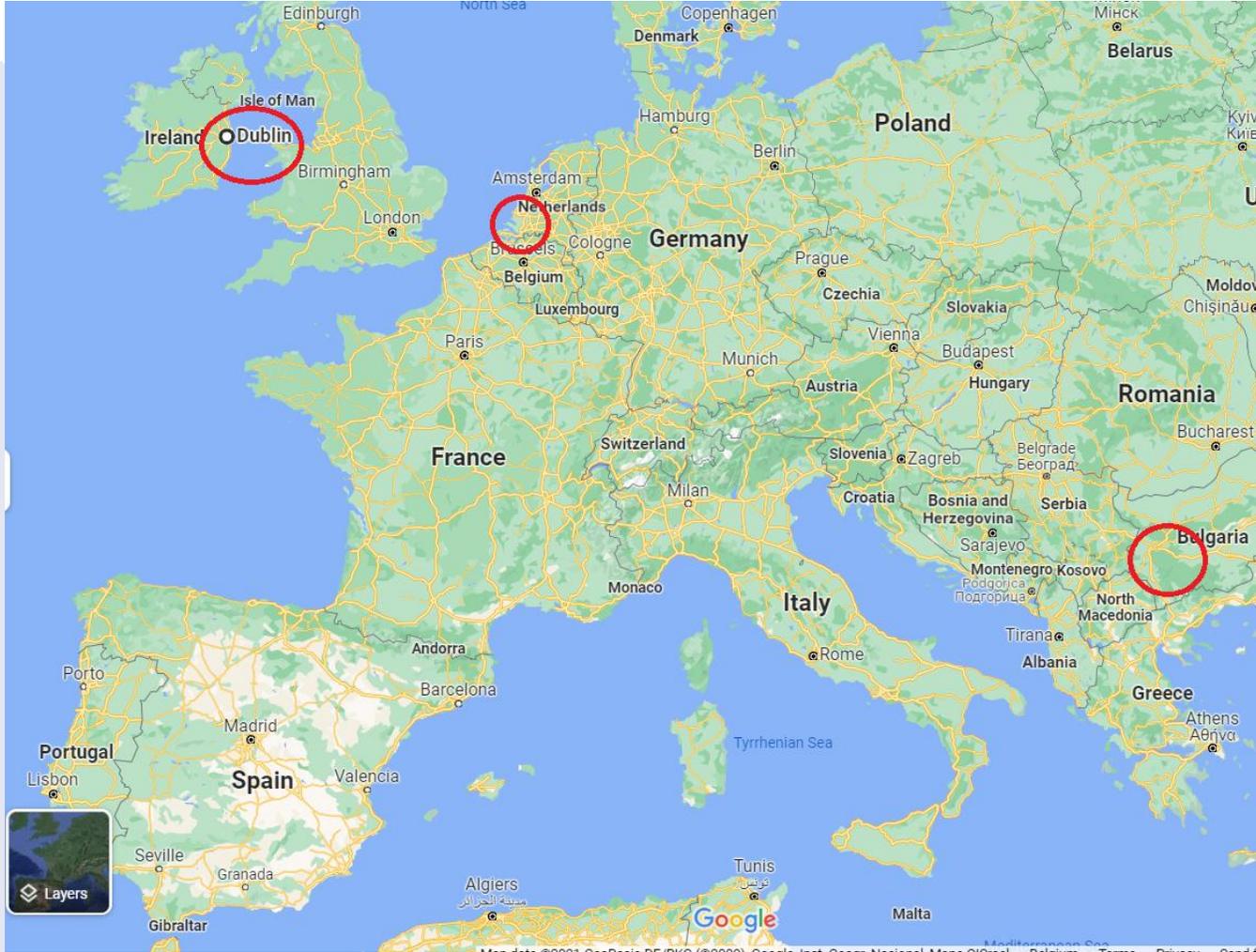
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PART 2 – Comments & Next Steps

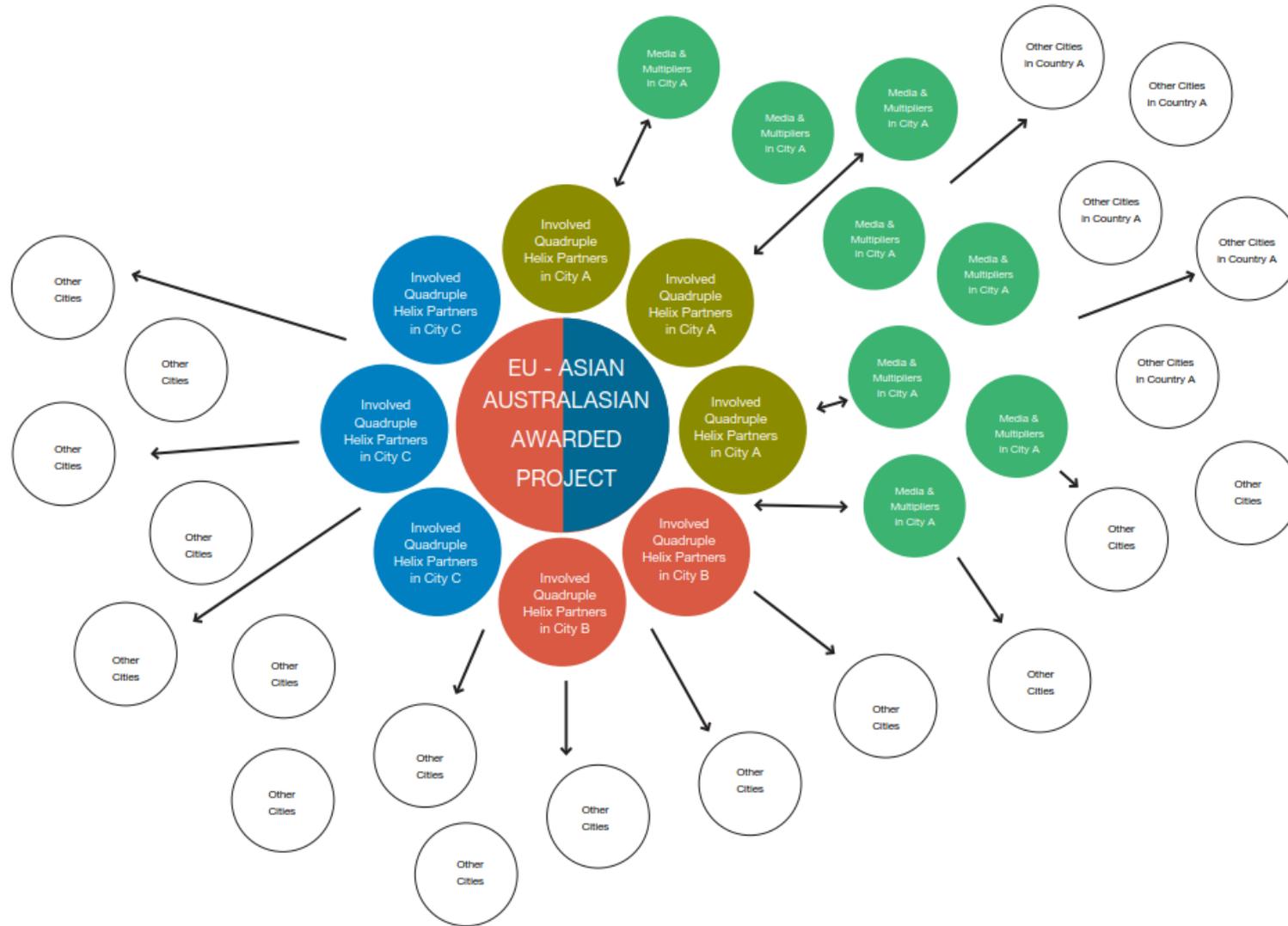
From Thematic Clusters to Pairings



Open pairings

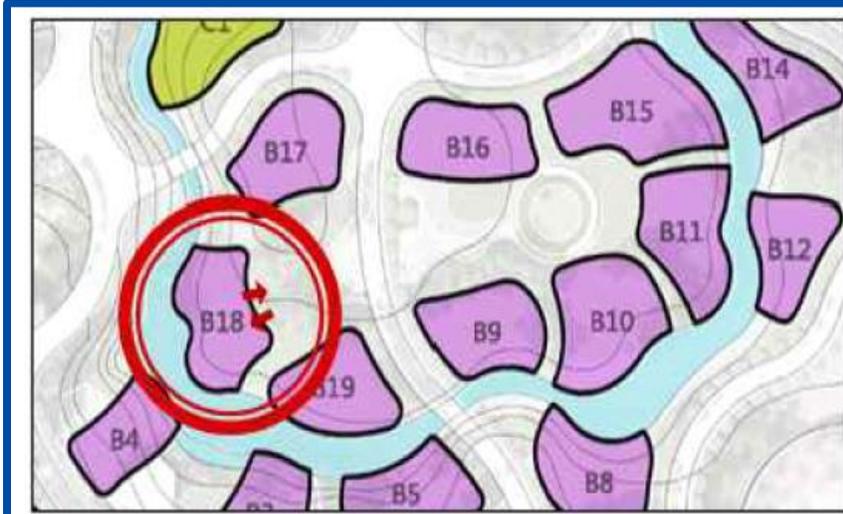


UCAP / Pilot Projects / Competitive Fund

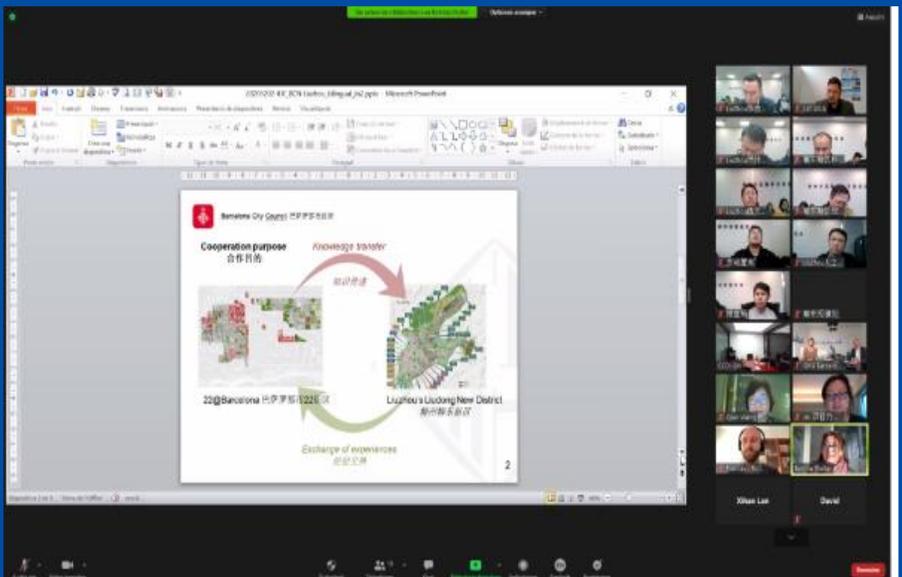
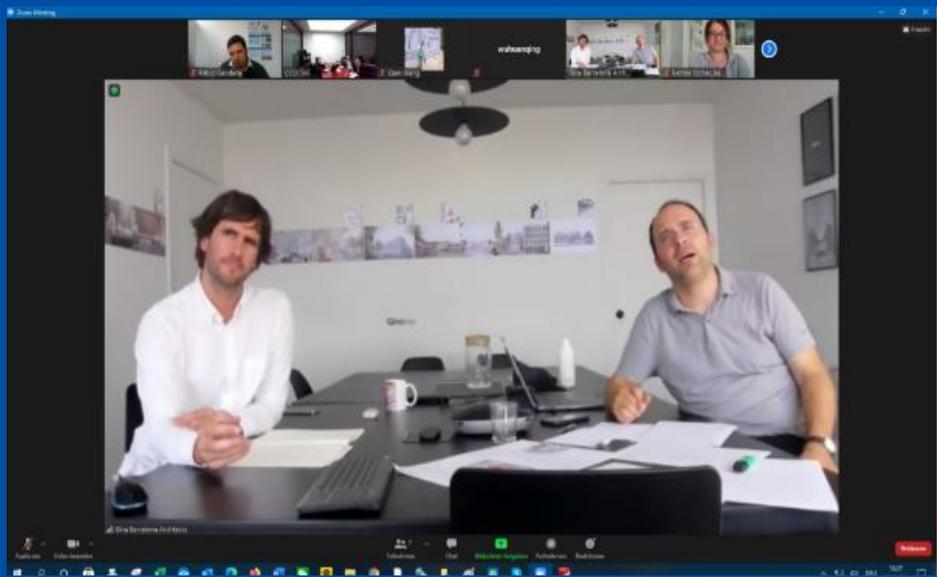


- Based on **IUC** Asia experience
- Promote city engagement for **short term actions** within the city or thematic clusters & **UCAPs**.
- Encourages cities to propose **innovative** and **sustainable** pilot projects in the short term that benefit the sustainable urban development.
- Applications must be submitted by the **EU cities in coordination with non-EU cities**.
- Moreover, this will inspire other cities to **replicate** actions, thus creating a regional **community of practice**.
- **Time: 2022 - 2023**

IUC Examples (1) – Joint Cities Approach Horticult. Expo



IUC Examples (2) Barcelona – Liuzhou



IUC Examples (3) – Digital Twins, Books, Training

 **CENTRO DI RICERCA INTERDISCIPLINARE TERRITORIO EDILIZIA RESTAURO AMBIENTE CITERA**

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

 **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.

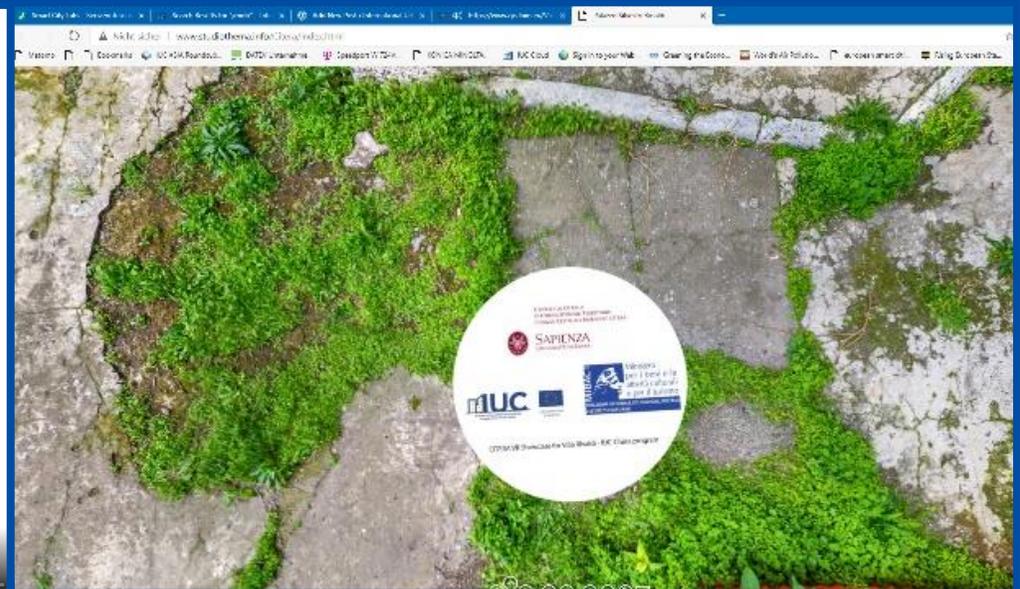
The **Digital Twin Lab of CITERA Sapienza University** is engaged in research activities in the field of digital modelling aiming to the protection and conservation of historical buildings and cultural heritage. The tradition and know-how, the Italian excellence in the field of restoration, with the 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.

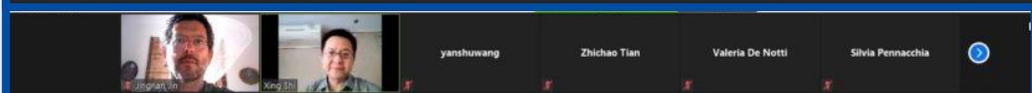
A «School Worksite» is a place where the immaterial enrichment of new discoveries is shared on the ground, with interdisciplinary scopes and approaches and with the participation of many user profiles: historians, restorers, digital designers and modelers, architects, cultural promoters, sponsors and 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 Examples (4) – EU Cities Innovation / Business Support



IUC Examples (5) – EU Cities Business Blockchain & Platform

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 linking 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 Tiberio

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 PTI 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

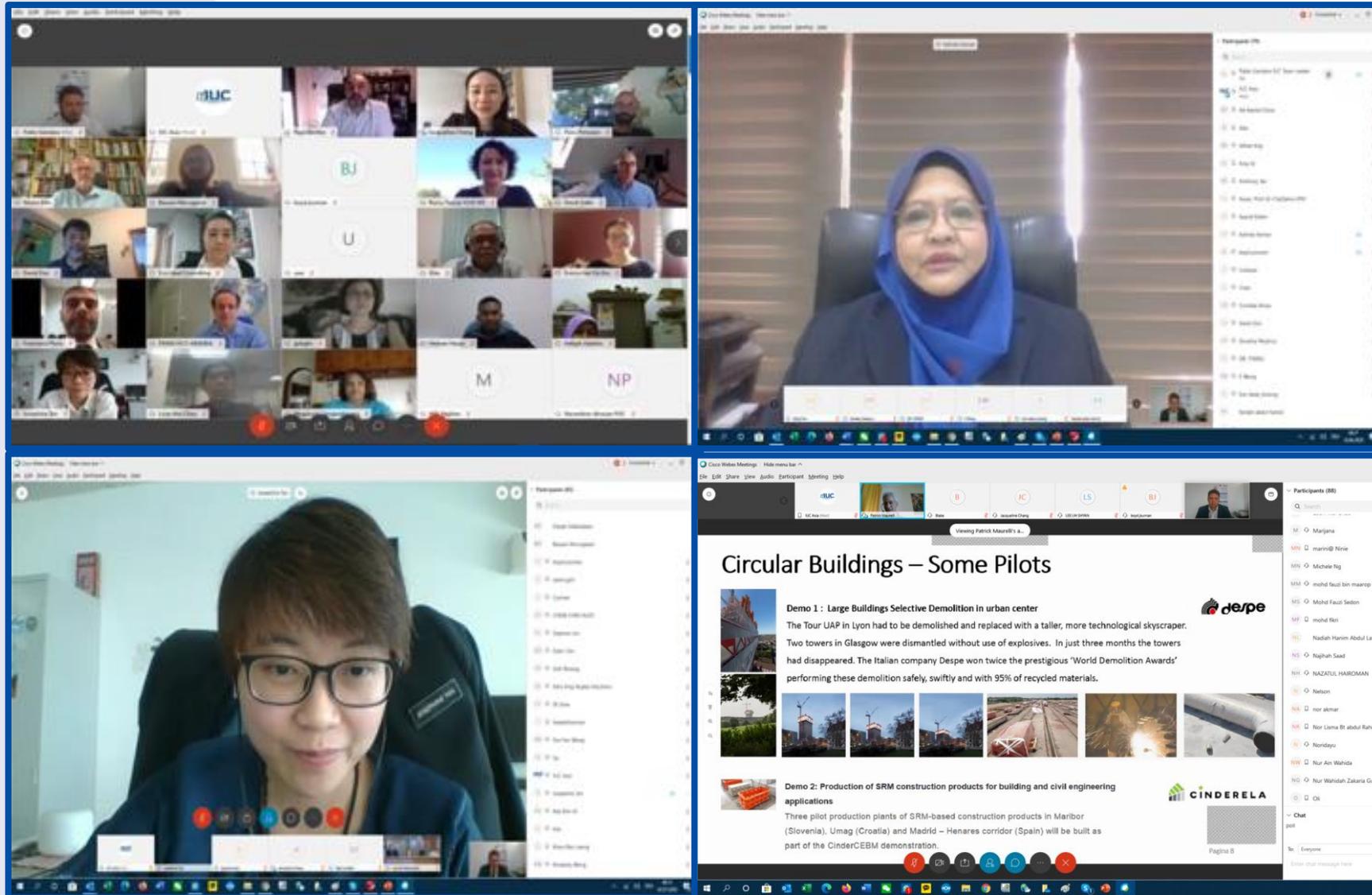
How blockchain can be used in Biotech Companies?

Maria Oglyyer Lopez

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

IUC Examples (6) – Consultation / Blueprint Circular Economy



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.

Participants (88)

- M | Margina
- MV | marini@ Nirve
- MY | Michale Ng
- MM | mohd fauz bin maarop
- MS | Mohd Fauzi Sedon
- MF | mohd fari
- MS | Nadiah Hanem Abdul Latif
- NH | Najah Saad
- NH | NAZATUL HARBOMAN
- N | Nelson
- NA | nar akmar
- NH | Nur Liama Bt abdul Rahim
- NK | Noridayu
- NW | Nur An Wahida
- NH | Nur Wahidah Zakaria Guest
- CI | CI

Chat post

Everyone

Enter chat message here

Pagina 8

IUC Examples (7) – International Events - APUF



All IURC Reads

- ALL
- NEWS FROM IURC
- NEWS FROM ASIA & AUSTRALASIA
- NEWS FROM CHINA
- NEWS FROM LA
- NEWS FROM NA

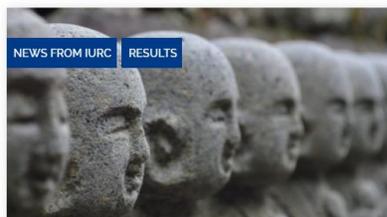


Mumbai Climate Action Plan – Stakeholder Consultation On Sustainable Mobility

Siriwat Pokrajien · September 9, 2021 · 1 Min Read

The Municipal Corporation of Greater Mumbai (MCGM) as a part of the C40 Cities Network in collaboration with the Government of Maharashtra, WRI, Climate Voices and Waatavaran is developing the..

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A Festival Of Ideas

Anthony Colclough · August 31, 2021 · 2 Min Read

What if sharing research and ideas to solve the world's problems could look more like a music festival than a stuffy old scientific conference? Officials from Umeå who travelled to..

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The Journey Of "New Green Possibilities" Is Only Beginning

Siriwat Pokrajien · August 31, 2021 · 1 Min Read

<https://www.youtube.com/watch?v=SfJgbGuAyvs>
The goal of the "New Green Possibilities" International Forum was to look at the promotion of green public space from different angles. This is why it was divided into..

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Knowledge Sharing: The EU-China Regional Innovation Joint Study



IURC Cooperation In Bangkok For A Greener City

Siriwat Pokrajien · August 25, 2021 · 1 Min Read



Videos On Climate Change By Finnish And Japanese Youth To Be Presented At COP26