

IUC-Japan Calendar (2017-2020)



| Year | Month | | (1 st round) 5 pairings | (2 nd round) 3 pairings | (3 rd round) 2 pairings | |
|------|-------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|--|
| 2017 | 1 | Launch Meeting (at EUD Tokyo) | | | | |
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| 2018 | 1 | Second round call of applications | | | | |
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| 2019 | 1 | Third round call of applications | | | | |
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| 2020 | 1 | Impacts of COVID-19 | | | | |
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Launch Meeting (at EUD Tokyo)

First-round call of applications

5 pairings selected

1st city-to-city event in Brussels

1st Exchange Meeting (Brussels)

Second round call of applications

2nd Exchange Meeting (Tokyo)

Study tour in Japan

3 pairings selected

2nd city-to-city event in Brussels

Study tour in EU

Study tour in EU

3rd Exchange Meeting (Brussels)

Third round call of applications

4th Exchange Meeting (Tokyo)

Study tour in Japan

2 pairings selected

3rd city-to-city event in Brussels

UCAPs

5th Exchange Meeting (Brussels)

Study tour in EU

Impacts of COVID-19

UCAPs

Study tour in Japan

IUC-Asia (Japan, India & Asia) Seminar

IUC-Japan Regional Seminars

6th Exchange Meeting (Online)

4th city-to-city event in Brussels

UCAPs



City-to-City Event annual meeting in Brussels



3rd City-to-City Event, November 2019, Brussels



5th Exchange Meeting November 2019 Brussels



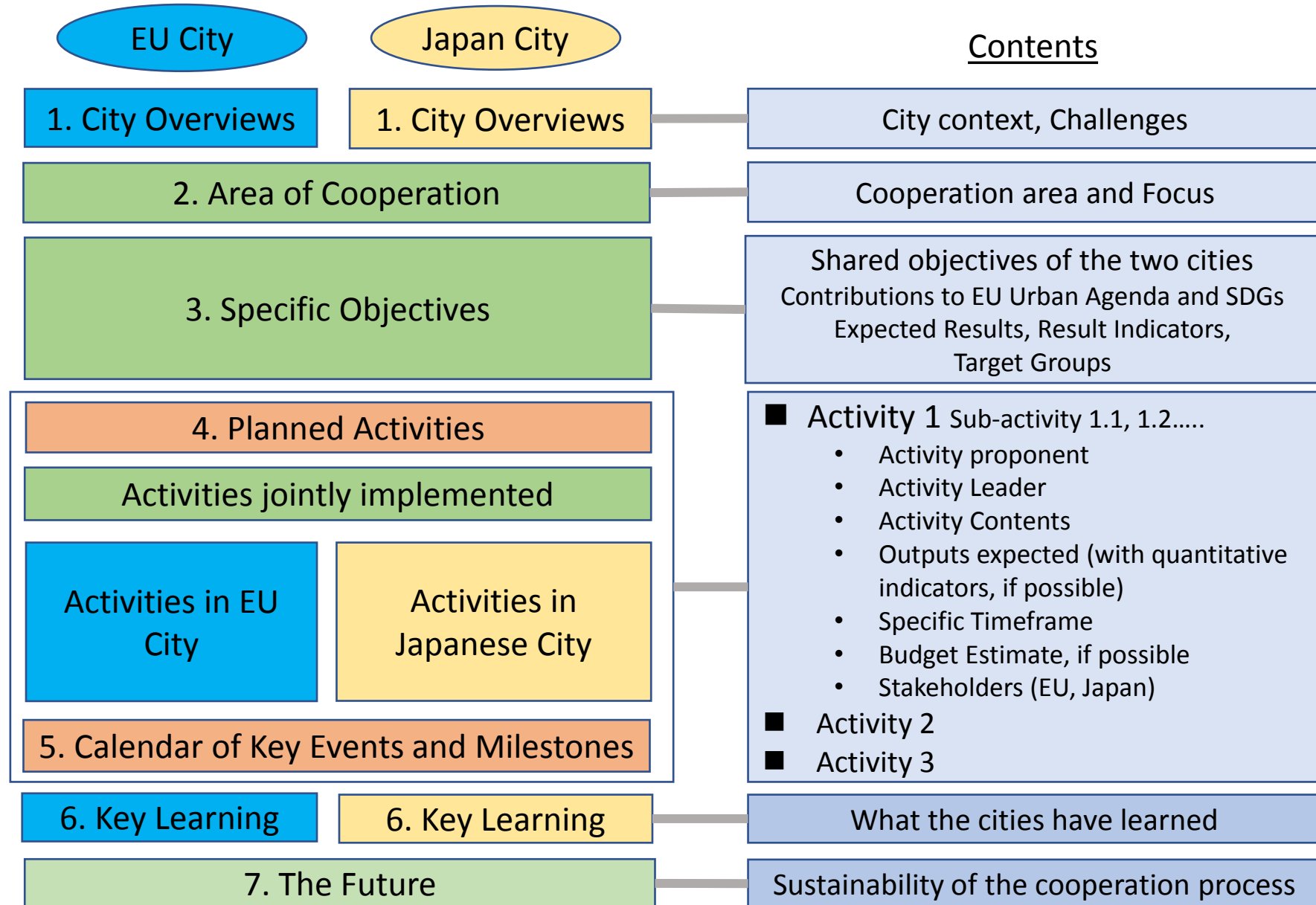
3rd Exchange Meeting October 2018 Brussels





IUC-Japan Action Plan Guidelines

based on the guidelines for U-CAP (Urban Cooperation Action Plan)





IUC-Japan City Pairings

| | EU City | JAPAN City | Subject Area of Cooperation |
|--|-----------------------------------|------------------|---|
| 1st Group <i>Kick-off: Nov 2017</i> | Frankfurt (Germany) | Yokohama | Smart cities |
| | Essen (Germany) | Koriyama | Clean technology and renewable energy |
| | Donostia-San Sebastian (Spain) | Hirosaki | Buildings and site regeneration |
| | Ioannina (Greece) | Ichinomiya | Sustainable mobility and transport |
| | Ancona (Italy) | Ikoma | Clean energy, social inclusion, and healthy cities |
| 2nd Group <i>Kick-off: Oct 2018</i> | Bratislava (Slovakia) | Tokorozawa | Climate change adaptation, urban nature-based solutions, and smart eco-city development |
| | Grenoble-Alpes Metropole (France) | Toyota | Smart city development |
| | Umea (Sweden) | Kamakura | Smart cities, social inclusion and the integration of SDGs |
| 3rd Group <i>Kick-off: Apr-Aug 2019</i> | Marseille (France) | Kobe | Sustainable economic development and port regeneration |
| | Turku (Finland) | Nagano and Obuse | Integration of urban-rural circular economy in food-water-energy nexus |

1st Group 5 pairings: Yokohama and Frankfurt

Overview of Action Plan

Common Challenge of the 2 cities

- ⇒ 1) Increasing renewable energy
- 2) Changing behavior of citizens and businesses

Cooperation Areas: Energy Transition

- Focus: 1) Interdependency with regional development
- 2) Raising awareness with regard to different target groups

Specific Objectives:

- 1) Development of cooperation with other municipalities to support the utilization of additional renewable energy production
- 2) Launching a new raising awareness project using **nudge**



What is the added value of International Urban Cooperation?

Partnership
Essen – Koriyama

Maximizing Urban Cooperation for the Future - **ESSEN & KORIYAMA**



Logo image of the partnership
newly-designed in Sep. 2019



1. Invaluable relationship fostered in the IUC programme

- Friendship nurtured in the course of the IUC programme
- Continued knowledge transfer on good practices for common challenges
- Establish networks among research institutes, private sectors in diverse fields

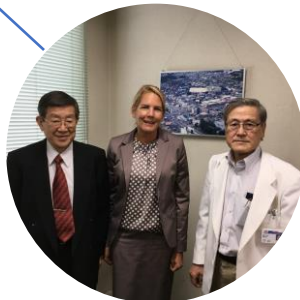


Signing ceremony for the
continued cooperation in
Koriyama in Sep. 2019



2. Foundation for open innovation in close collaboration among industry, academia and government

- Opportunities for open innovations in the fields of renewable energy and medical device industry
- Matching events vigorously promoted by city governments



3. Strengthened bonds between next generations

- Exchange programme between high school students
- Internship programme between medical institutions
- Pupils scholarship programme for practical business training



Hirosaki and Donostia-San Sebastian

Buildings and site regeneration

1- Refurbishment of municipal buildings with high energy efficiency criteria → Reduction of 40% of the heating demand. Maintaining 21 celsius degrees comfort temperature all day long.

2- Increase the production of renewable energy, mainly photovoltaic solar energy → Increase the production by 200 megawatts

3- Implementation of the Smart City concept, new urban developments → Analyze new possible areas in San Sebastian to implement District heatings



Ichinomiya and Ioannina



Lake Ioannina



Kiso River



- Waterside area
- Transportation
- Participatory planning





Ikoma and Ancona



Action Plan

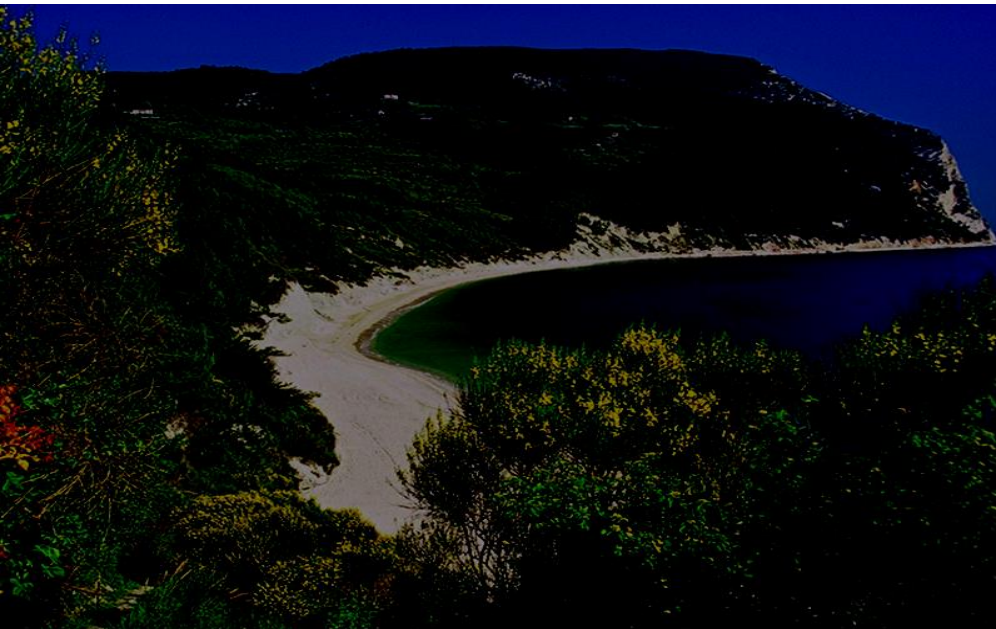
Learned from the Study Tours, the action plan was jointly developed that includes 2 activity plan.

Activity 1

Creation of “places of experience” by utilizing its local resources of Ikoma and Ancona such as nature, history, and culture

Activity 2

Development of joint strategy for slow tourism



URBAN NATURE BASED SOLUTIONS

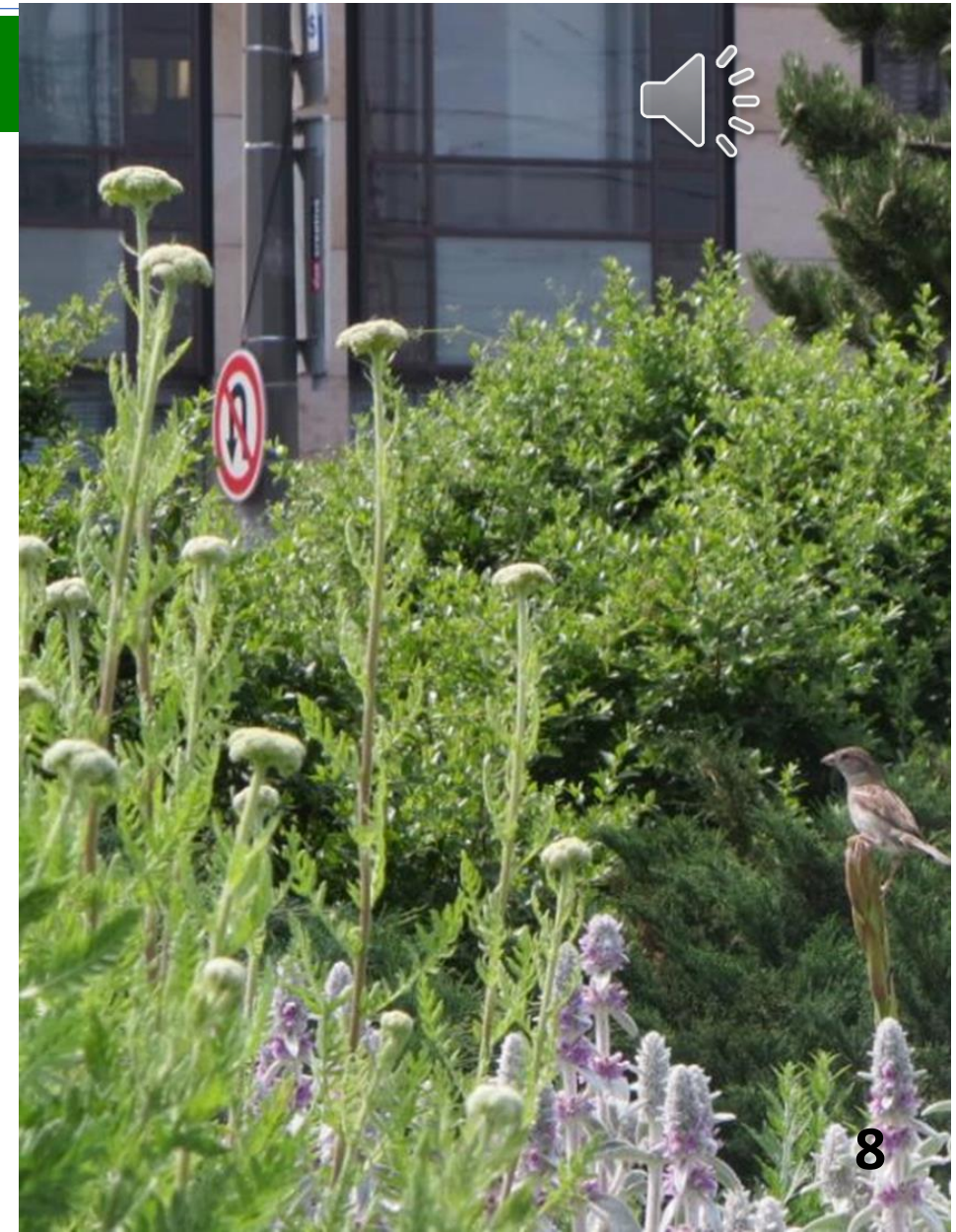
Examples of green and blue adaptation solutions

CLIMATE CHANGE ADAPATION

Examples of dealing with heat islands and extreme weather changes (rainfall) - adaptation of public space, public policies

SMART ECO-CITY DEVELOPMENT

SUSTAINABLE CITY - energy, food, water, waste, sustainable urban development and good quality of life - EXPLOITATION of local potentials and resources





Toyota and Grenoble-Alpes Metropole



H2 fleet deployment , promotion to local stakeholders & networking



Toyota Mirai, Hyundai NEXO and Renault Kangoo are proposed to be purchased within the programme “ZEV”

Grenoble-Alpes Métropole is in charge of the deployment of the “ZEV” project on its territory

Regional objectives of ZEV:

Until 2023

+ 1000 H2 vehicles

+ 20 H2 refuelling stations

「SENTAN」

Base facilities of the manufacturing

Lecture



Seminar



Consultation



Marketing



Talent training

Manufacturing experience



Kamakura and Umea



“Kamacon”, “Umecon”

Specific objective 1: Address urban challenges from SDGs using FabCity approach through social innovations (citizen and stakeholder involvement)

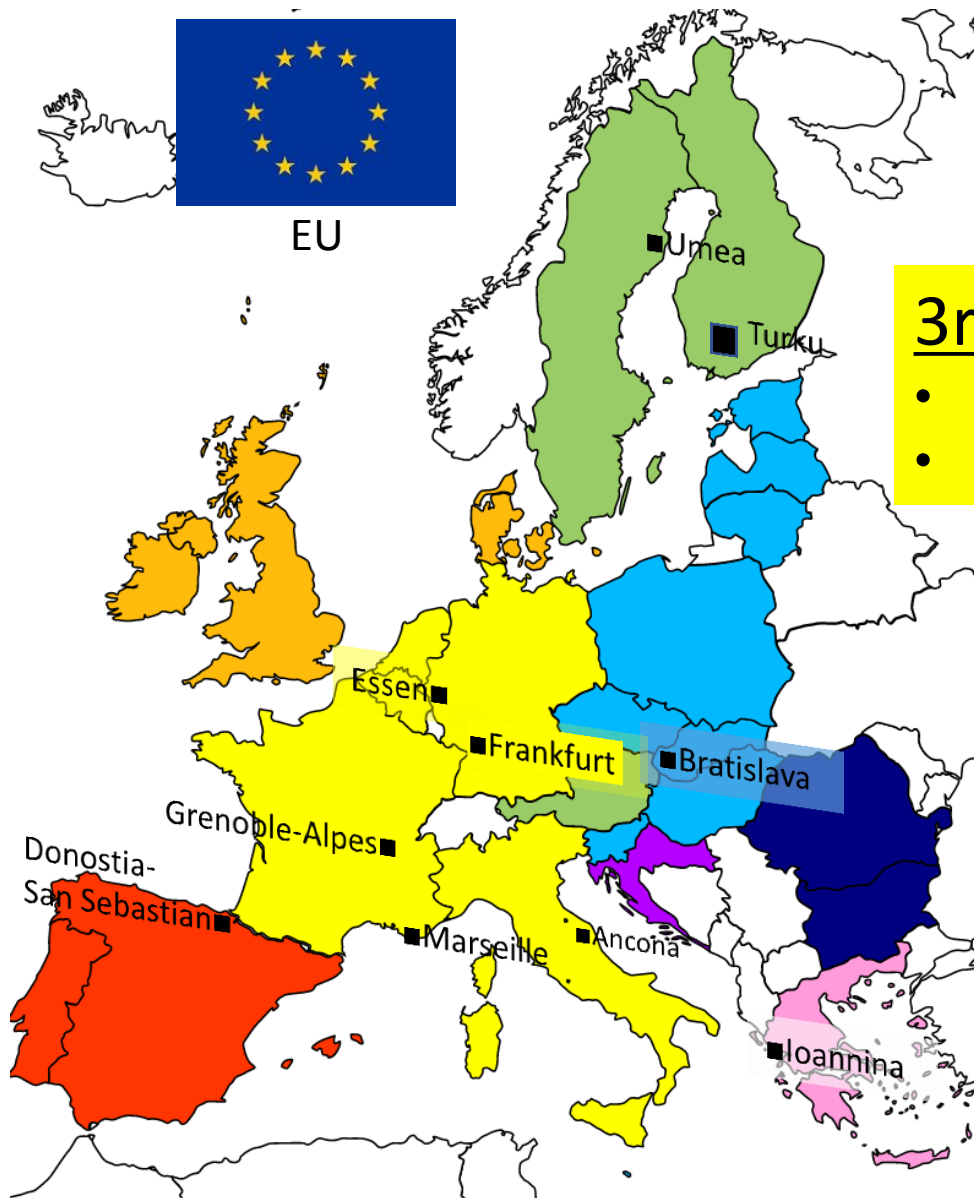
Specific Objective 2: Create a certification system that promotes sustainable city management and promotes the SDGs. Encourage a transformation in citizens' behavior.

We have been inspired through our study tours and online meetings, learning about certifications for sustainability efforts and Umeå's network of sustainable restaurants. Following this, we will introduce a certification system for businesses that make sustainability efforts in Kamakura. We expect that the certification system will be recognized by citizens, and thus lead to citizens to change their behavior towards consumption patterns.

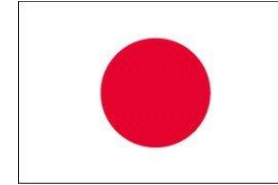


Specific Objective 3: Social inclusion of people who are vegetarian or vegan and raising awareness of the connection between choice of food and sustainability

IUC-Japan Cities on the Map



EU



JAPAN

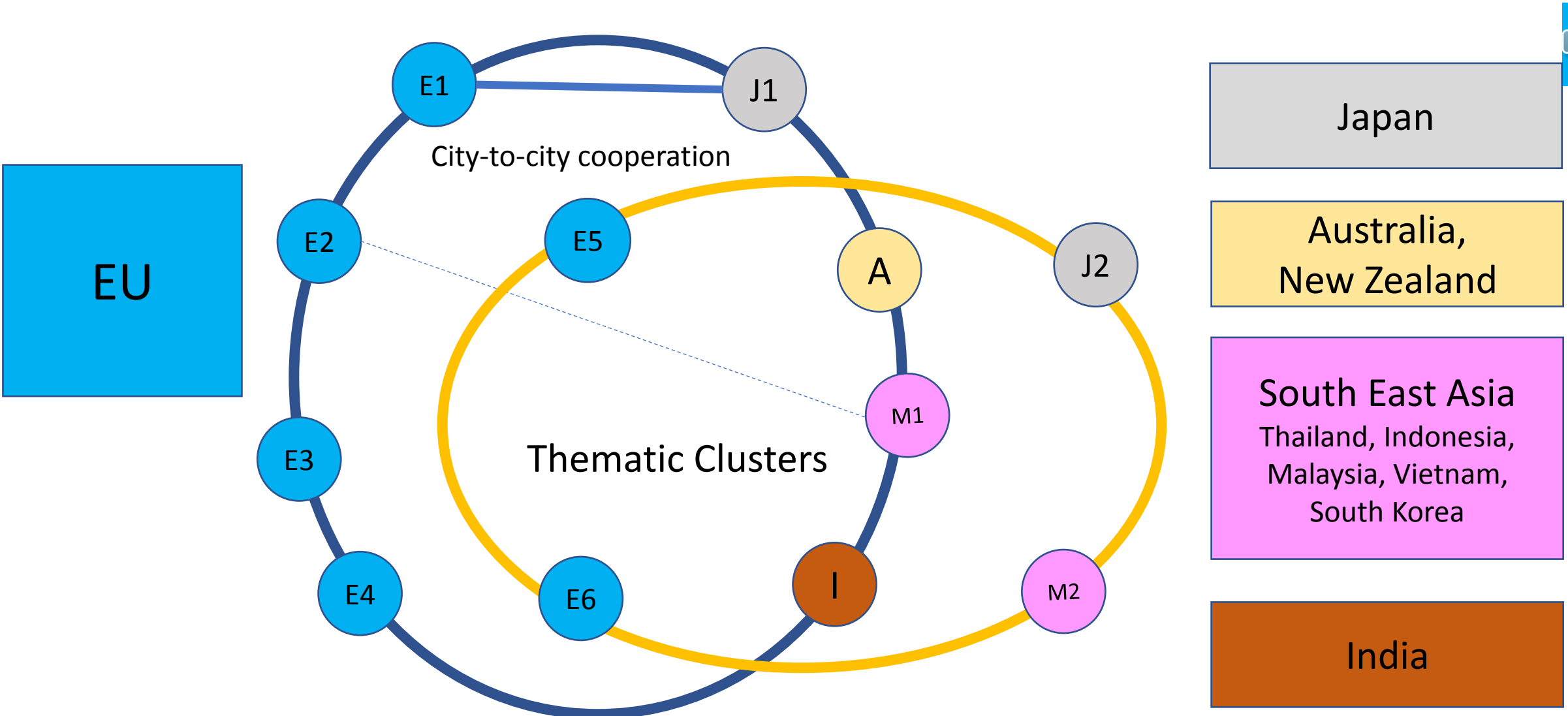
3rd Group 2 Pairings

- Kobe and Marseille
- Nagano-Obuse and Turku



From IUC to IURC (International Urban and Regional Cooperation)

Asia and Australasia, from 2021



Thank you