



INTERNATIONAL URBAN AND REGIONAL COOPERATION IURC LATIN AMERICA

Digitalisation and Smart Cities

Presenters:
Edgardo Sara, Deputy Team Leader – IURC LA

Date: 16/12/2021



@IURC_LatinAmerica



@IURC_LAC



@IURC_Latin_America



@IURC

What is IURC Latin America?

As the second phase of the International Urban Cooperation Programme (2016-2020), IURC (2021-2024) aims to lead and develop a form of decentralized international urban and regional cooperation in the fields of sustainable **urban development and innovation**. In Latin America, the project supports partnerships between EU cities and regions with counterparts in **six (6)** targeted countries: **Brazil, Colombia, Mexico, Peru, Argentina, and Chile**.



COUNTRIES



CITY
PAIRINGS



REGIONAL
PAIRINGS



City-to-City Pairings



City-to-City Pairing

Hermosillo



Guanajuato



Mérida



Barranquilla

BR

FORTALEZA



ESSEN

GE

SAO PAULO



MILAN

IT

MANAUS



NAPLES

IT

HERMOSILLO



DEBRECEN

HU

Manaus



PARMA

IT

GUANAJUATO



ANCONA

IT

CALI



MALAGA

SP

BARRANQUILLA



ANCI LAZIO

IT

PUERTO MONTT



PIRAEUS

GR

MAR DEL PLATA



ALMEDINA

ME

PIURA



Malaga

SP

MAR DEL PLATA



GENOA

IT

Puerto Montt

Punta Arenas

Umea



Essen



Debrecen



Piraeus

Anci Lazio

SW

Naples

SP

Milan

IT

City-to-City Pairing

Hermosillo



Guanajuato



Mérida



Cali



Piura



Puerto Montt



Punta Arenas

BR	FORTALEZA	↔	ESSEN	GE
MX	SAO PAOLO	↔	MILAN	IT
MX	MANAUS	↔	NAPLES	IT
MX	Fortaleza	↔	DEBRECEN	HU
MX	HERMOSILLO	↔	PARMA	IT
MX	MERIDA	↔	ANCONA	IT
CO	GUANAJUATO	↔	MALAGA	SP
CO	CALI	↔	ANCIAZIO	IT
CL	BARRANQUILLA	↔	PIRAEUS	GR
CL	Horizonte	↔	MEA	ME
CL	PUERTO MONTT	↔	Malaga	SP
PE	MAR DEL PLATA	↔	ALMERIA	ES
AR	PIURA	↔	GENOA	IT

Umea



Essen



Debrecen



Piraeus



Anci Lazio
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MX	Fortaleza	↔	DEBRECEN	<u>HU</u>
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	Manaus	↔	ANCONA	<u>IT</u>
	MERIDA	↔	MALAGA	<u>SP</u>
	GUANAJUATO	↔	ANCI LAZIO	<u>IT</u>
CO	CALI	↔	PIRAEUS	<u>GR</u>
	BARRANQUILLA	↔	UMEA	<u>SW</u>
	Horizonte	↔	Almeria	<u>ES</u>
CL	PUERTO MONTT	↔	Malaga	<u>SP</u>
	Montt	↔	Almeria	<u>ES</u>
	PUNTA ARENAS	↔	Genoa	<u>IT</u>
PE	PIURA	↔	UMEA	<u>SW</u>
AR	MAR DEL PLATA	↔	Umea	<u>SE</u>

Umea



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Anci Lazio



Naples



SP



Milan



Piraeus

City-to-City Pairing

Hermosillo



Guanajuato



Mérida



Cali



Piura



Puerto Montt



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	MERIDA	↔	MALAGA	<u>SP</u>
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	BARRANQUILLA	↔	MEA	<u>ME</u>
	Horizonte	↔	ALMERIA	<u>SP</u>
CL	PUERTO MONTT	↔	Malaga	<u>IT</u>
	Mendoza	↔	GENOA	<u>IT</u>
	PUNTA ARENAS	↔		
PE	PIURA	↔		
AR	MAR DEL PLATA	↔		

Umea



Essen



Debrecen



Ancona
Parma
Genoa
Naples
Mitran

Piraeus



City-to-City Pairing

Hermosillo



Guanajuato



Mérida



Cali



Piura



Puerto Montt



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	BARRANQUILLA	↔	MEA	<u>ME</u>
	Horizonte	↔	Almedina	<u>PT</u>
CL	PUERTO MONTT	↔	Malaga	<u>SP</u>
	Mar del Plata	↔	ALMADA	<u>PT</u>
	PUNTA ARENAS	↔	Genoa	<u>IT</u>
PE	PIURA	↔	Naples	<u>IT</u>
AR	MAR DEL PLATA	↔	Milan	<u>IT</u>

Umea



Essen



Debrecen



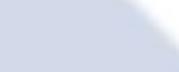
Piraeus



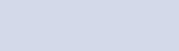
Anci Lazio



SW Naples



SP Milan



Region-to-Region Pairings



Region-to-Region Pairings



Region-to-Region Pairings



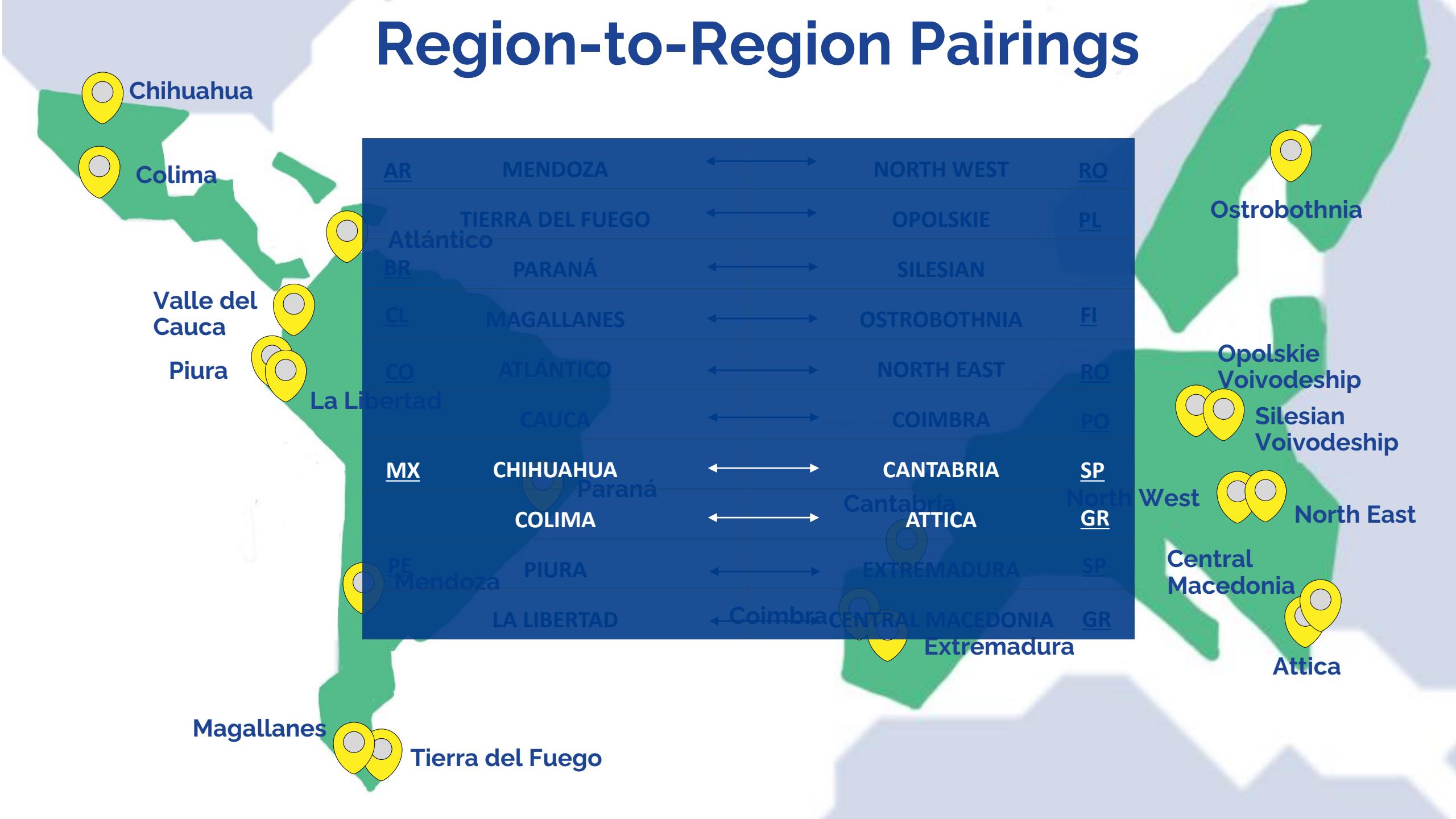
Region-to-Region Pairings



Region-to-Region Pairings



Region-to-Region Pairings



Region-to-Region Pairings



How does it support cities & regions?



The Program promotes virtual and in-person tools to facilitate **knowledge-sharing** and exchange of best practices: participation in international networking events, study visits, and webinars.

12
NETWORKING
EVENTS

44
STUDY
VISITS

20
THEMATIC
WEBINARS

24 FOR CITIES
20 FOR REGIONS

20 Thematic Webinars



Waste management
and circular economy

Transit-Oriented
Development

Green Finance

Urban mobility

Smart Strategies & Digitalization

Nature-based
solutions

Heritage
preservation

Water management

The graphic features the IURC logo and the European Union flag logo. It includes the text "Funded by the European Union" and "IURC Latin America". The main title is "Smart Strategies for equality and social inclusion". The date is listed as "Thursday, December 9, 2021". The time is given as "9:00 - 10:00h CDT" and "16:00 - 17:00h CET". A small illustration shows a car connected to a cloud and a graph. Two speakers are shown: Fernando Tomás Casado (Smart City Practice Manager at IDOM) and Annika Dalen (Gender Equality Officer, Strategic Development at Umeå Municipality). The moderator is Edgardo Sara (IURC Latin America). The graphic also includes social media links for Twitter (@IURC_LAC), Instagram (@IURC_LatinAmerica), LinkedIn (IURC Latin America), and YouTube (IURC Latin America).

IURC
INTERNATIONAL URBAN AND REGIONAL COOPERATION

Funded by the European Union

IURC Latin America

"Smart Strategies for equality and social inclusion"

Join us for the webinar on:

Thursday, December 9, 2021

9:00 - 10:00h CDT
16:00 - 17:00h CET

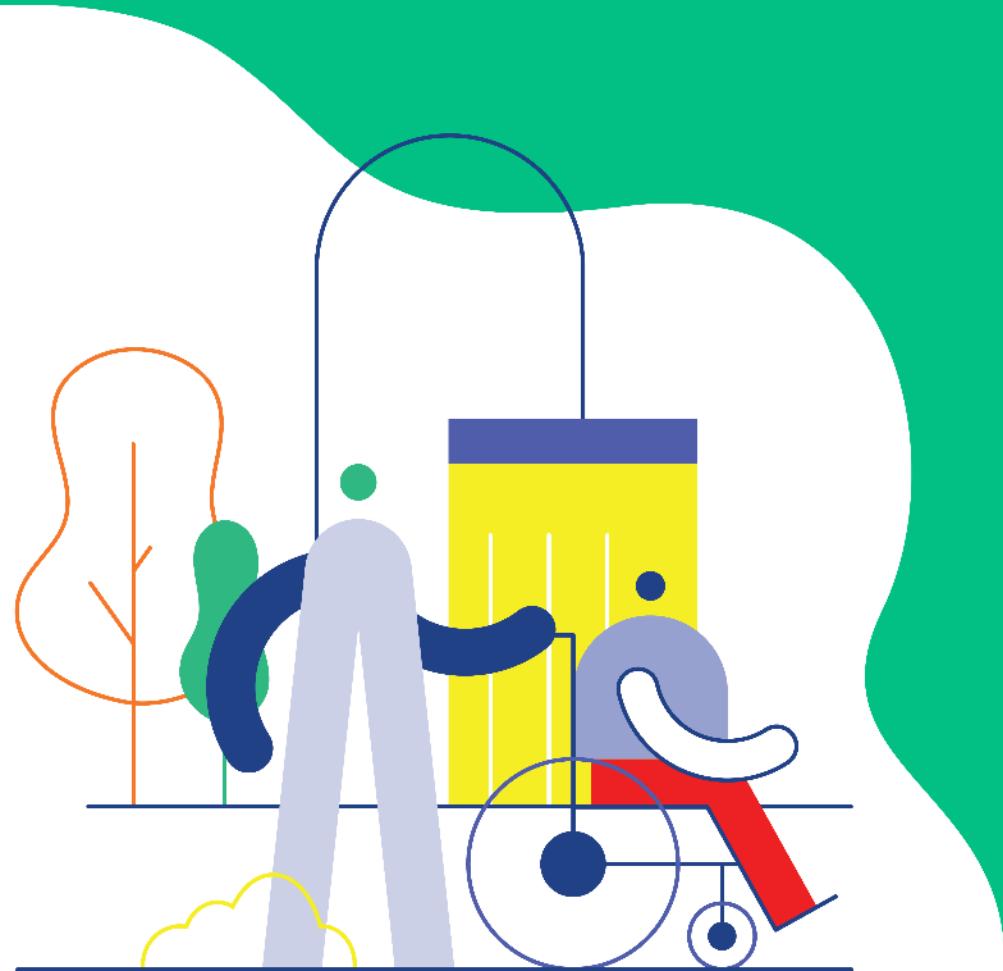
Fernando Tomás Casado
Smart City Practice Manager (IDOM)

Annika Dalen
Gender Equality Officer, Strategic Development (Umeå Municipality)

The webinar will be moderated by Edgardo Sara (IURC Latin America) and will have a Panel Discussion and Questions and Answers.

Register now!

@IURC_LAC @IURC_LatinAmerica
IURC Latin America IURC Latin America



IURC LATIN AMERICA & DIGITALISATION

Thematic networks

1. Ecological Transition and Green Deal



2. Urban & Regional Renewal – Social Cohesion



3. Innovative, Sustainable & Carbon Neutral Ecosystems and Strategic Sectors

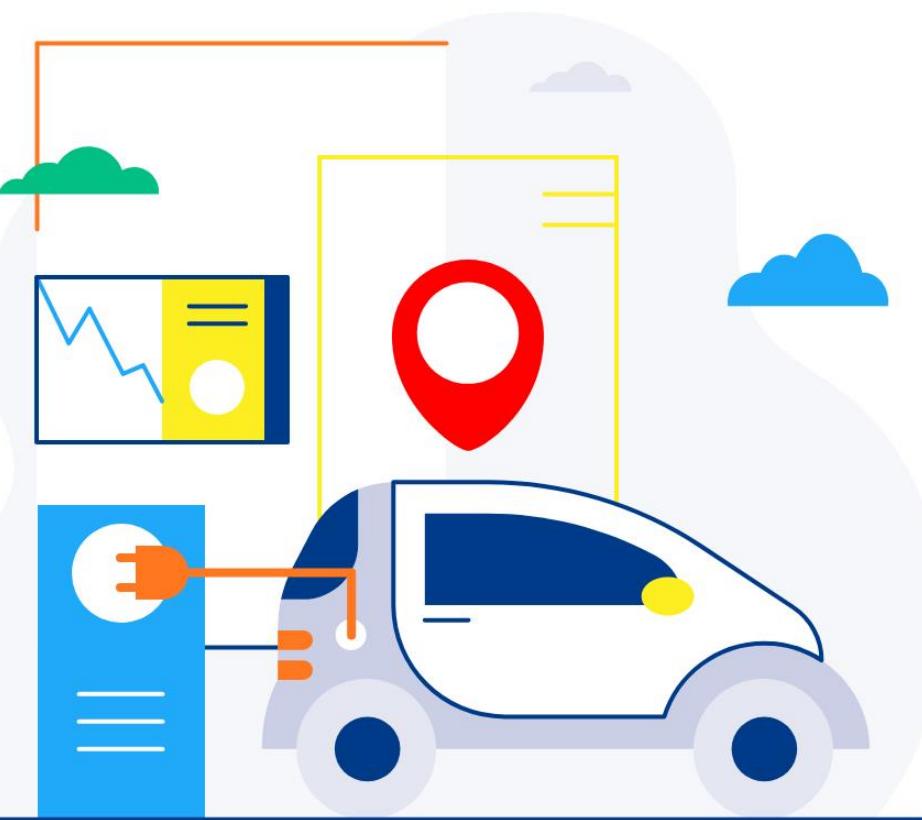


4. Cross-cutting challenges

- **Digital Transition and Smart City**
- Climate Change and Energy transition
- Post COVID-19 Recovery and Social Inclusion

Digitalisation and Smart Strategies

IURC cities and regions showed interest in working on digitalization and the implementation of smart strategies. These are a few examples:



Fortaleza
(Brazil)



Hermosillo
(Mexico)



Mar de Plata – Genoa
(Argentina) – (Italy)



Paraná – Silesia Voivodeship
(Brazil) – (Poland)



Atlántico – North East
(Colombia) – (Romania)

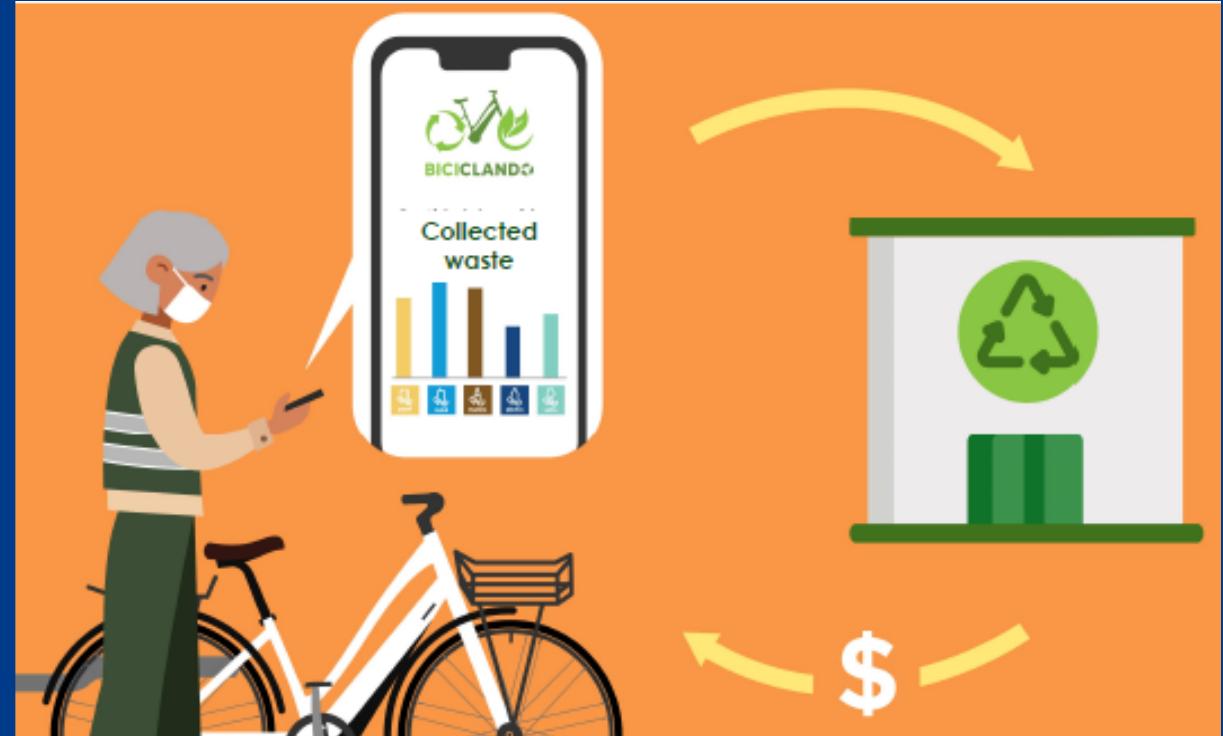
Best practices

Digitalisation for improving waste collection in Fortaleza (Brazil) / Hermosillo (Mexico).



Fortaleza – E-Carroceiro

- **Gender inclusion:** insertion of women in recycling activities, capacitation, income, etc.
- **Behaviour changes:** incentives for citizens to recycle
- **Circular economy:** re-use and re-cycle waste
- **Sustainable mobility:** promoting the use of cycling and improving cycling infrastructures



Hermosillo - Biciclando

Best practices

Digitizen: initiatives to promote participation, knowledge sharing, and capacitation - Genoa (Italy)



Genoa - Digitizen

Resilience and Digital Transformation Program: greater efficiency in the use of public resources and promotion of citizen participation



Mar del Plata – Resilience and Digital Transformation Program

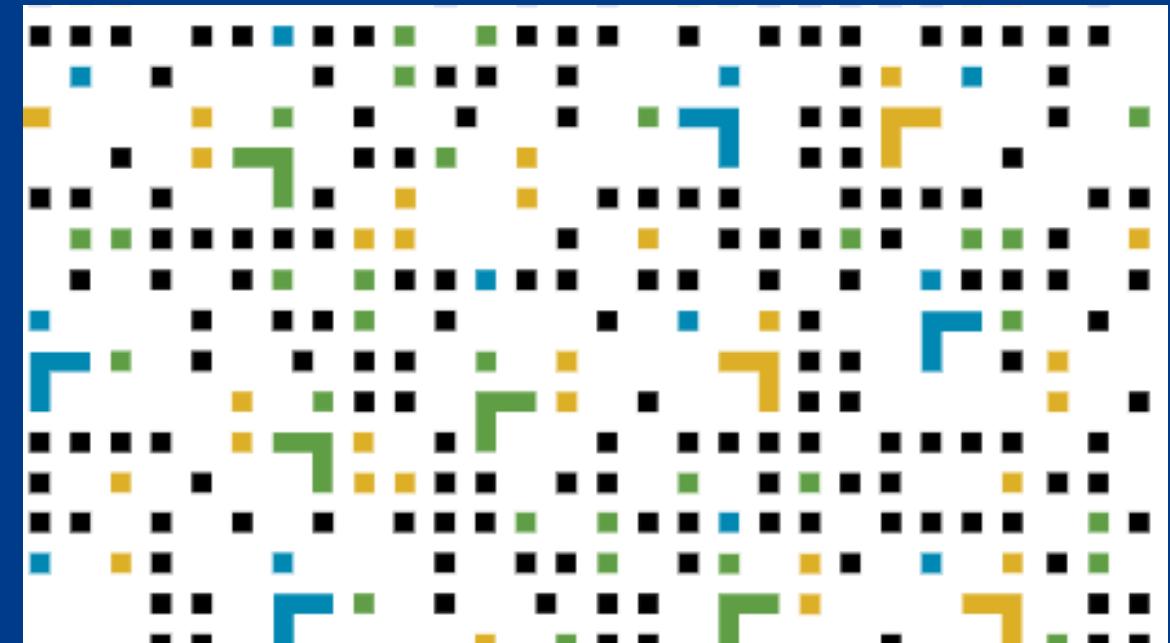
Best practices

Superintendence of science, technology, and higher education: learning from regional universities how to develop better policies and projects linked to science, innovation and technology – Paraná (Brazil)



Paraná – Superintendence of science, technology, and higher education

Smart Specialization: 15,524 ICT smart specialization companies in the region. Implementation of RIS and specialization strategies – Silesian Voivodeship (Poland)

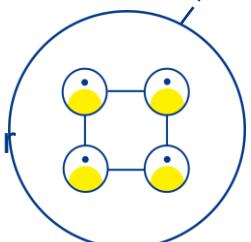


Silesian Voivodeship – Smart specialization

Next Steps

PROMOTING A THEMATIC CLUSTER ON DIGITALISATION

A group of pairings sharing similar challenges and topics of cooperation related to digitalization and that can share solutions and knowledge on similar challenges and topics of cooperation.



DIGITALISATION & SMART STRATEGIES

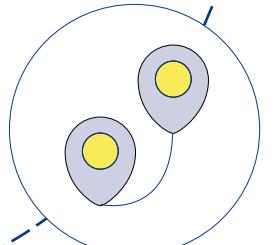
PARTICIPATION TO INTERNATIONAL EVENTS

such as the Smart City Expo in Curitiba.



THEMATIC WEBINARS

in the field of digitalization, innovation, and Smart Strategies. Knowledge sharing from international experts and capacity building.



CITY-TO-CITY / REGION-TO-REGION COOPERATION

in the field of digitalization, innovation, and Smart Strategies.

Thank you!

Edgardo Sara – esara@iurc.eu



INTERNATIONAL URBAN AND REGIONAL COOPERATION



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the European Union

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