

23 - 24 November 2021 | Online

IURC Annual Event



Welcome!

Bienvenido!

Bem vindos!



NORMUNDS POPENS

DEPUTY DIRECTOR-GENERAL, DG REGIO, EUROPEAN COMMISSION



STEFAN SCHLEUNING

**HOU FOR INDUSTRIALISED COUNTRIES & FOREIGN POLICY
SUPPORT, FPI, EUROPEAN COMMISSION**



PIA LAURILA

**POLICY OFFICER – URBAN POLICY, DIRECTORATE-GENERAL FOR
REGIONAL AND URBAN POLICY, EUROPEAN COMMISSION**



Insight into the New Leipzig Charter

*International Urban and Regional
Cooperation Programme*

Annual Event

23 & 24 November 2021

Pia Laurila,

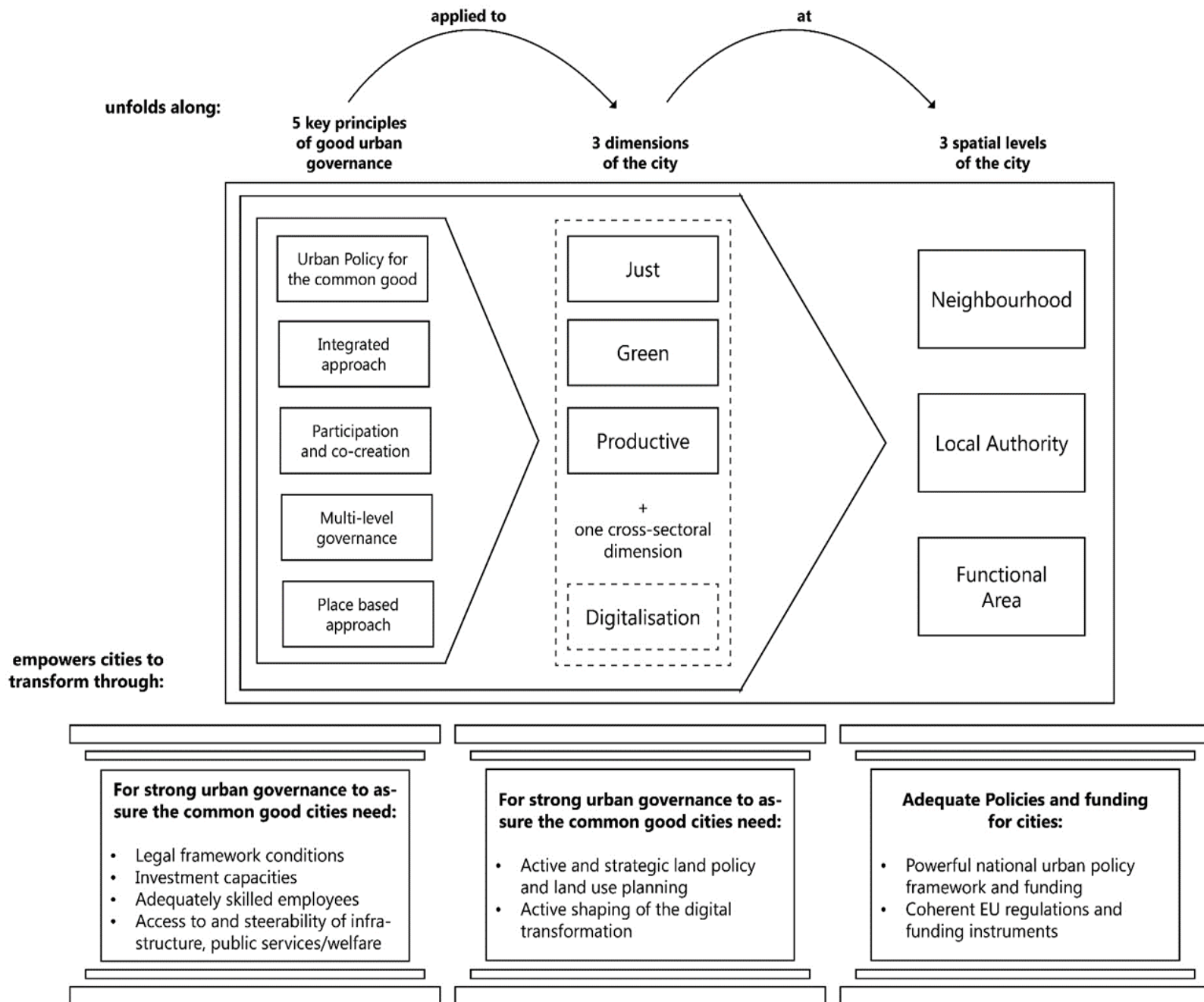
Directorate-General for Regional and Urban Policy



The New Leipzig Charter – Transformative Power of Cities for the Common Good

- Sets a **strategic framework towards integrated urban development in the EU**
- **Adopted** during the EU Ministerial Conference on **30 November – 1 December 2020** (German Presidency of the EU)
- **Contributes** to implementation of objectives of **global agreements** - Paris Agreement, New Urban Agenda, UN Agenda 2030 SDGs, and European Green Deal
- Emphasizes **common good for better quality of life and social cohesion** - reducing and preventing inequalities

THE NEW LEIPZIG CHARTER



New Leipzig Charter and the Urban Agenda for the EU

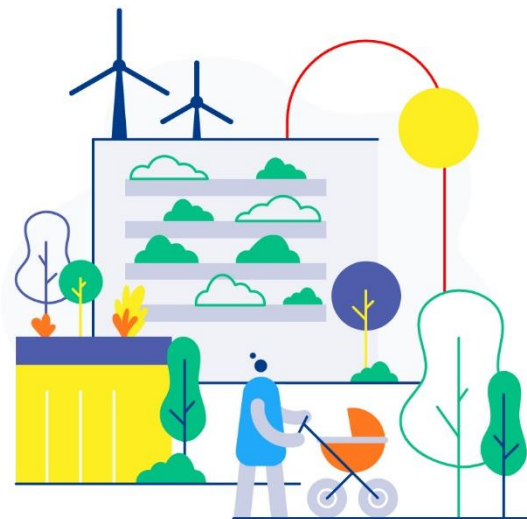
- The New Leipzig Charter considers **the Urban Agenda for the EU** as its implementation vehicle and presents directions for its future



Urban Agenda for the EU is the unique **multilevel governance cooperation** launched in 2016 by the Pact of Amsterdam to **better involve cities and urban dimension** in the design and implementation of policies at the EU and national levels sought at

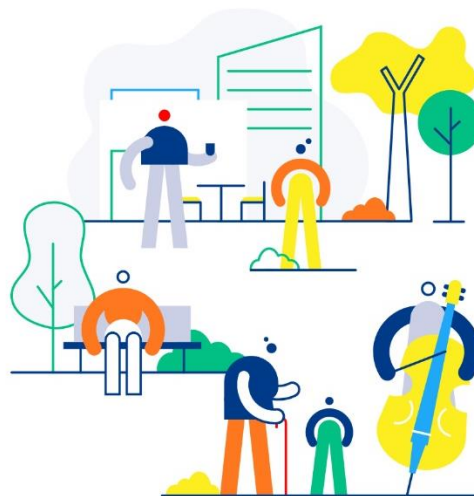
- **Better regulation, funding and knowledge** for cities in Europe
- **The Ljubljana Agreement** to be adopted at the EU Ministerial Conference on 26 November 2021 will include the new parameters of the Urban Agenda for the EU

The link with IURC



Ecological Transition – Green Deal

- **Circular Economy**, waste management, plastic
- **Nature Based Solutions**, greening, water management,
- **Sustainable urban agriculture**, healthy food, urban gardens
- **Renovation Wave**, decarbonized & energy efficiency in buildings
- **Sustainable urban agriculture**, Agrofood Chain, Foods Systems, Technologies 4,0



Urban & Regional Renewal and Social Cohesion

- **Urban Agendas/planning**, SUD Strategies, public space, urban model (eg. 15 min. vision)
- **Mobility & Transport**, street for people, superblocks, metropolitan connections
- **Urban Poverty, deprived neighbourhoods, housing, social cohesion**
- **Industry 5.0** (Regions) bigger Competitiveness, Productive Diversification



Innovative & Carbon neutral ecosystems and strategic sectors

- **Tourism & Culture**
- **Health, life science**, elderly, bio economy
- **Education, jobs & skills, Innovation centres, business clusters**
- **Tourism & Culture**, diversification- slow food & supplies
- **Regional Innovation & Smart and Sustainable Specialization Strategies (RIS 4)**
- **Education, jobs & skills**



Three dimensions of a city:

- **The 'Just City'** is sought at equal opportunities and environmental justice for all, regardless of gender, socioeconomic status, age and origin – leaving no one behind
- **The 'Green City'** contributes to combatting global warming and to high environmental quality
- **The 'Productive City'** is based on a diversified economy which provides jobs while ensuring a sound financial base for sustainable urban development

These dimensions correspond well with Thematic Networks of IURC

European Urban Initiative under Cohesion Policy 2021-2027



Support of Innovative Actions

- Testing of new solutions to urban challenges of EU relevance
- Scaling-up and transfer of tested solutions, in particular, to Cohesion Policy

Support of Capacity and Knowledge Building, Territorial Impact Assessments, Policy Development and Communication



- Capacity building of cities designing and implementing integrated sustainable urban development strategies – peer learning, space for exchange
- Access to thematic & horizontal knowledge and know-how – **Knowledge Sharing Platform** ([links with IURC](#)), capitalisation (Policy Labs, Thematic Reviews for Policy), Urban Contact Points
- Support to Urban Agenda for the EU and intergovernmental cooperation



Coordination and complementarity with URBACT IV

- Transnational networking of cities and capitalisation activities

Budget allocation: EUR 450 million from the European Regional Development Fund for 2021-2027

Launch: in 2022 - first EUI-Innovative Actions call - support to topics of the New European Bauhaus

Thank you!

New Leipzig Charter and Implementing Document:

https://ec.europa.eu/regional_policy/en/information/publications/brochures/2020/new-leipzig-charter-the-transformative-power-of-cities-for-the-common-good

Urban Agenda for the EU:

<https://futurium.ec.europa.eu/en/urban-agenda/pages/what-urban-agenda-eu>

Urban Agenda for the EU webinar series in 2021 - How are urban initiatives and actions supporting Green, Just and Productive Cities in the EU?

<https://futurium.ec.europa.eu/en/urban-agenda/events/series-webinars-2021-how-are-urban-initiatives-and-actions-supporting-green-just-and-productive>

Launching EU Missions - the European Commission's call for interest for the 100 Climate Neutral and Smart Cities Mission – conference at the European Committee of the Regions 25 November 2021

<https://cor.europa.eu/en/events/Pages/conference-on-european-missions.aspx>





IAN CLARK

SENIOR ADVISER, JOINT RESEARCH CENTRE, EUROPEAN COMMISSION



Science for Disaster Risk Management 2020

Acting Today, Protecting Tomorrow - Towards
Resilience

IURC November 2021

JRC's Mission



" As the science and knowledge service of the Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle "

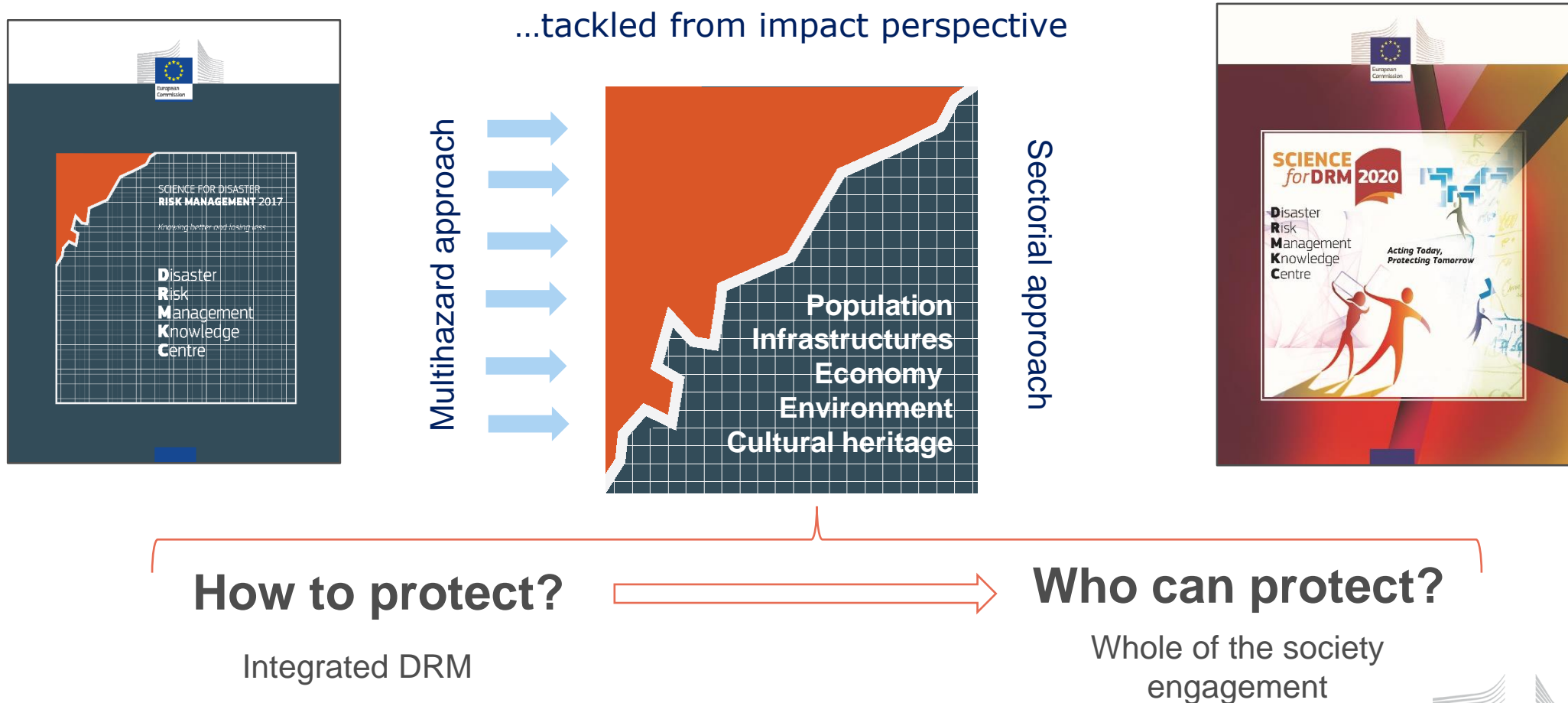


Science for Disaster Risk Management series of Reports

Bridge concept



Science for Disaster Risk Management series of Reports



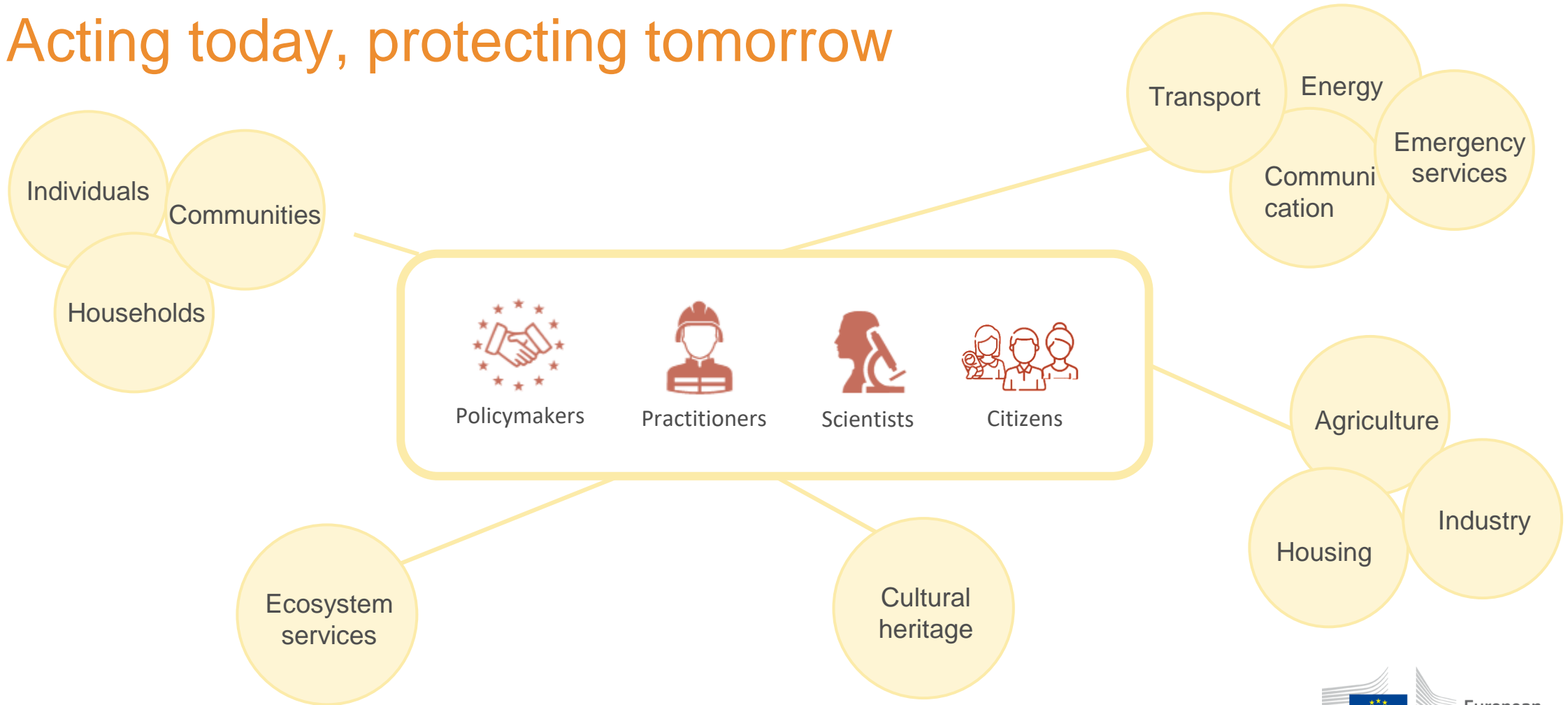
Science for Disaster Risk Management 2020

Acting today, protecting tomorrow



Science for Disaster Risk Management 2020

Acting today, protecting tomorrow



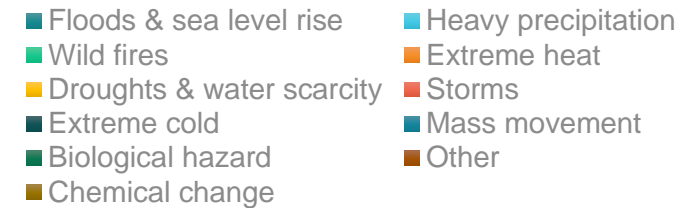
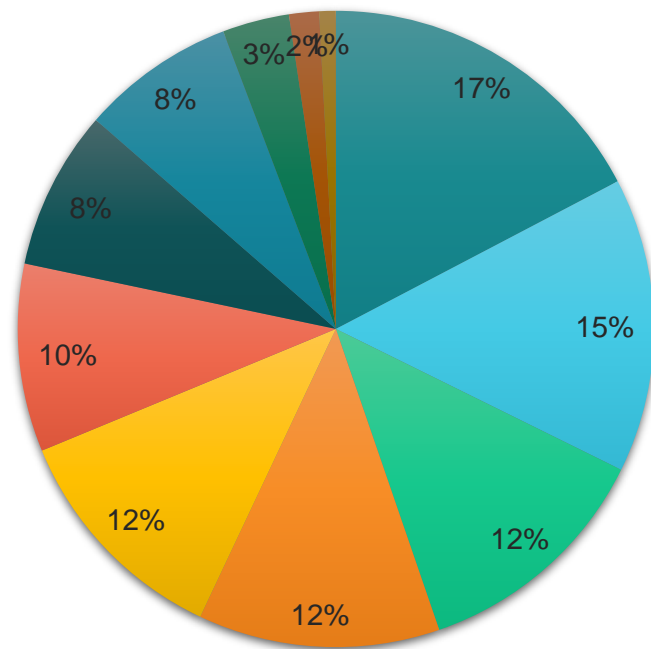


Climate Change and Cities - Risks and Vulnerabilities -developing resilient cities

Source Covenant of Mayors to be published in 2021

IURC November 2021

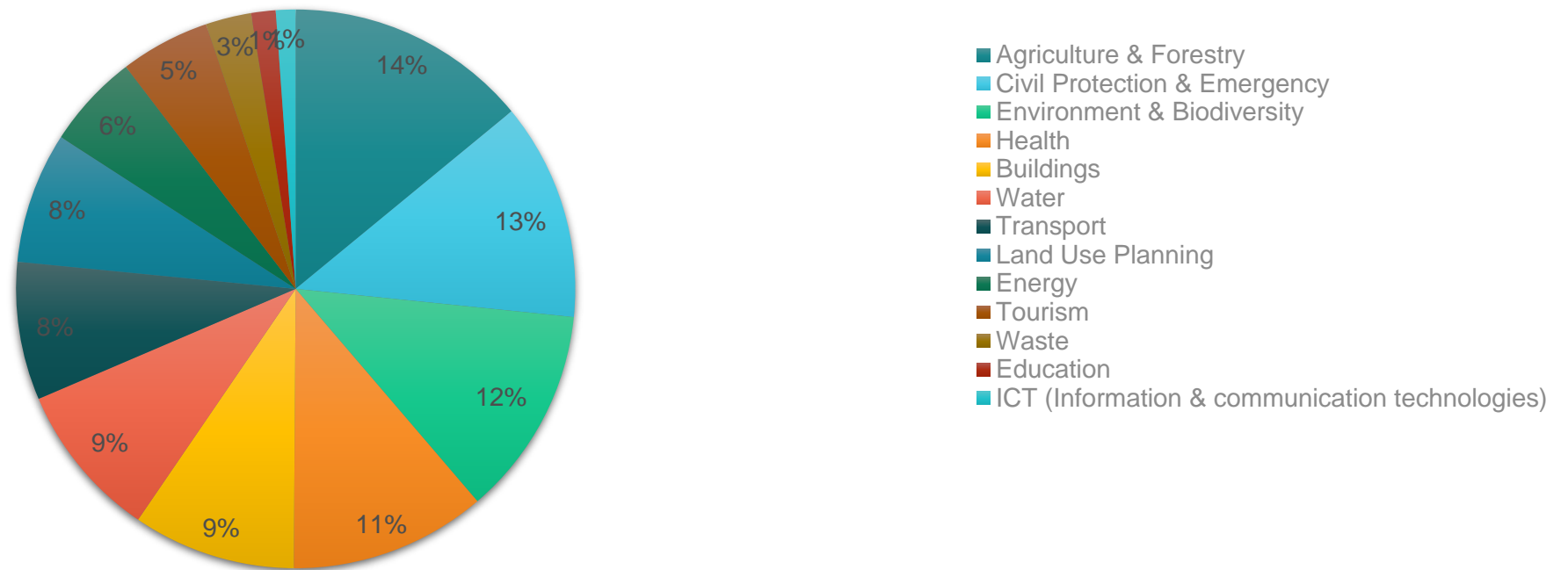
Most reported Hazards



• Most reported Climate Hazards are:

- “Floods & Sea level rise” (17%), “Heavy precipitation” (15%), “Wild fires” (12%), “Extreme heat” (12%) and “Droughts & Water scarcity” (12%)

Most reported vulnerable Sectors



• Most reported vulnerable sectors are:

- Agriculture & Forestry (14%), Civil protection & Emergency (13%), Environment & Biodiversity (12%)



Science for Disaster Risk Management 2020

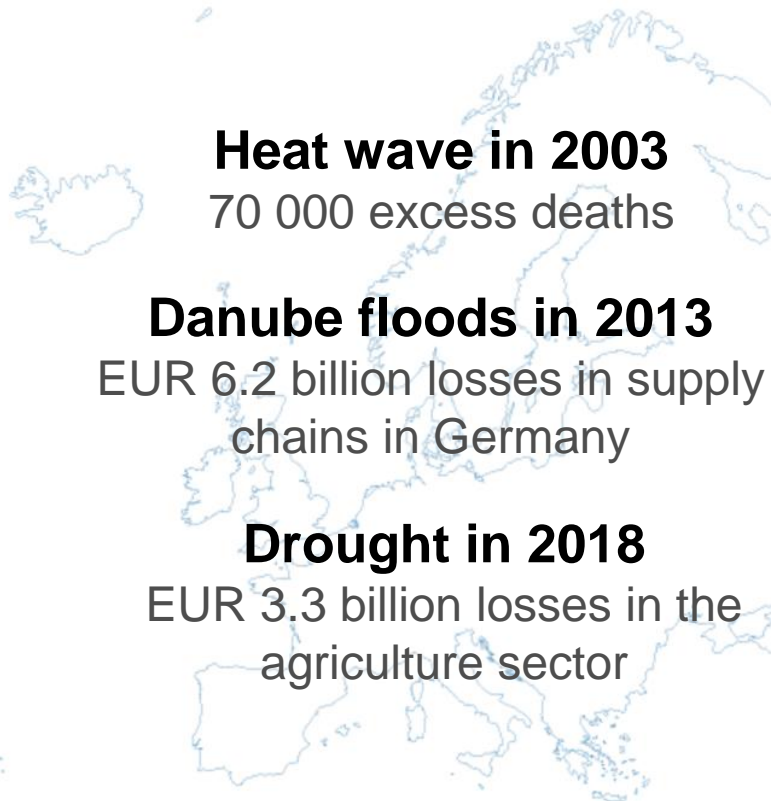
Acting Today, Protecting Tomorrow
Conclusions

IURC November 2021

Science for Disaster Risk Management 2020

Past and future

JRC PESETA IV project



Heat waves

base	1.5°C	2.0°C	3.0°C
People annually exposed to a 50-year heatwave (million)			
9.6	103	168	288
Annual fatalities from heatwaves (x1000)			
2.7	28.8	49.4	89.0

Droughts

Impacts on economy of 2100			
Present	1.5°C	2.0°C	3.0°C
Drought losses (€ billion)			
9.0	25	31	45
Drought losses (% of GDP)			
0.07	0.06	0.07	0.10

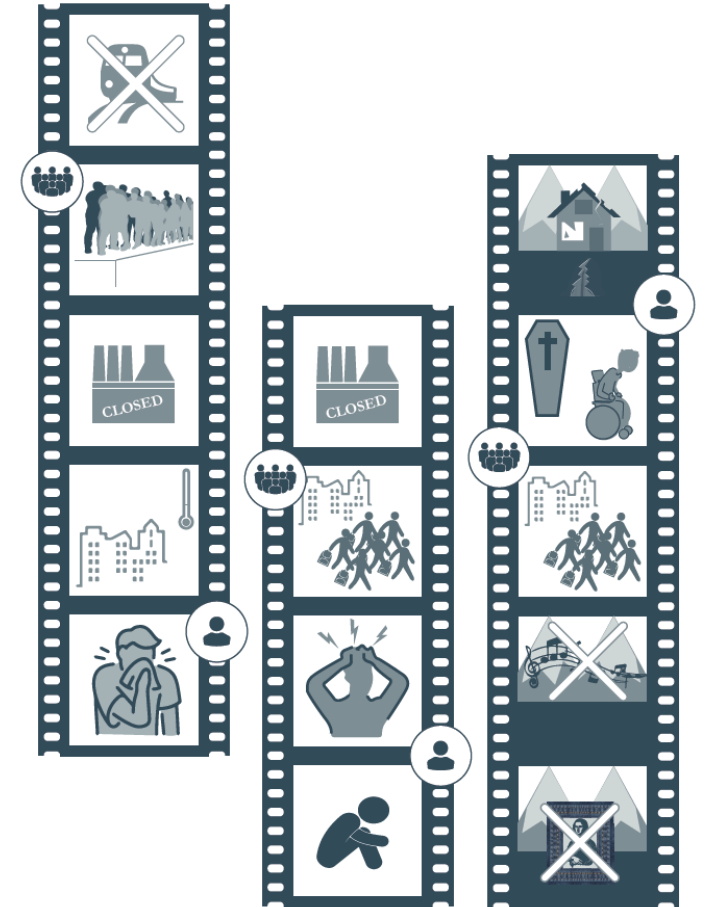
Floods

2100 - adaptation		
1.5°C	2°C	3°C
Damage (€ billion/year)		
8.6	9.6	8.6
People exposed (1000/year)		
92	100	90

Science for Disaster Risk Management 2020

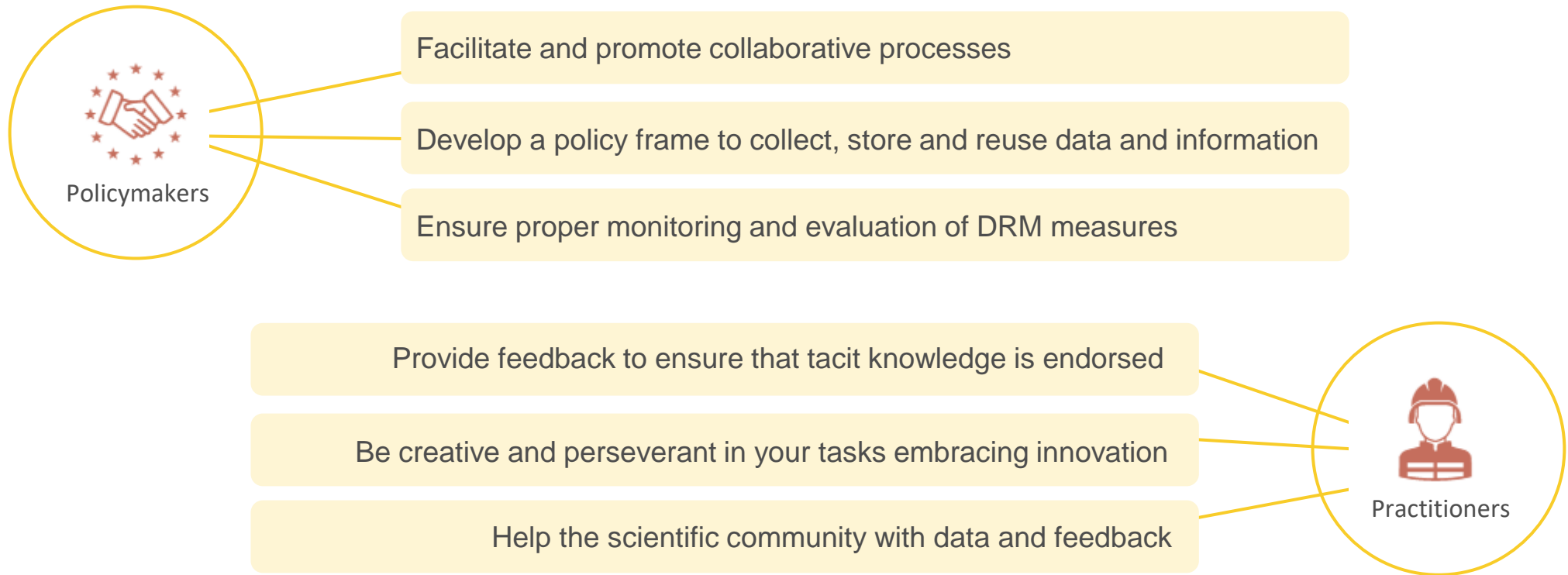
Chapter 6: General conclusions

- Need to shift towards disaster risk anticipation.
- Learning after past disasters
 - Indirect impacts
 - Intangible impacts
- Strengthen collaboration among stakeholders.



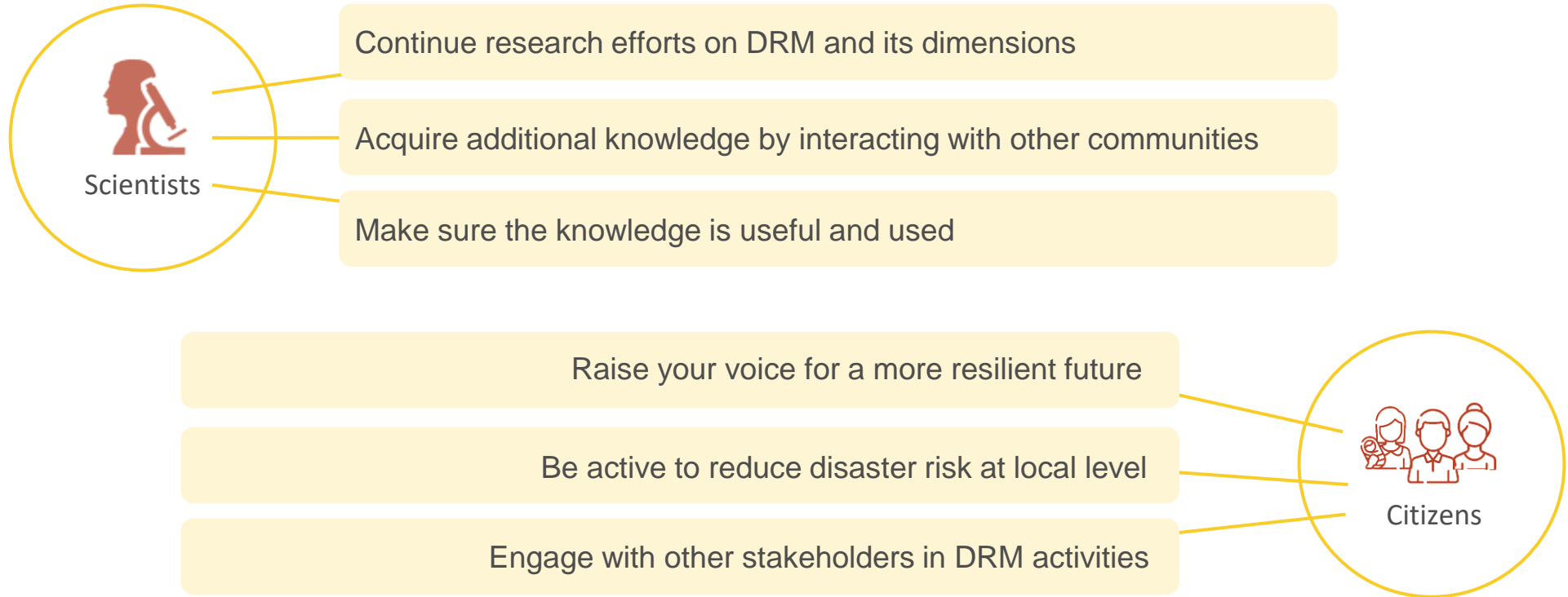
Science for Disaster Risk Management 2020

Chapter 6: General recommendations



Science for Disaster Risk Management 2020

Chapter 6: General recommendations



Thank you



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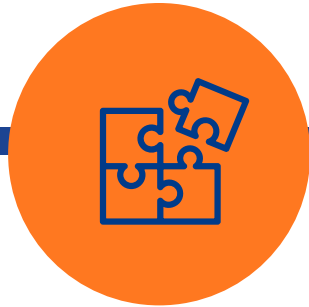


SANDRA MARÍN HERBERT

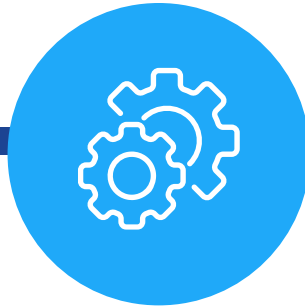
TEAM LEADER, IURC CENTRAL COORDINATION SERVICE

Central Coordination Service

April 2021
LANDING
EVENT



Common Strategy and
Methodology



Global Knowledge
Platform- IURC.EU



Open Call for EU cities
& regions - parallel
process GAs

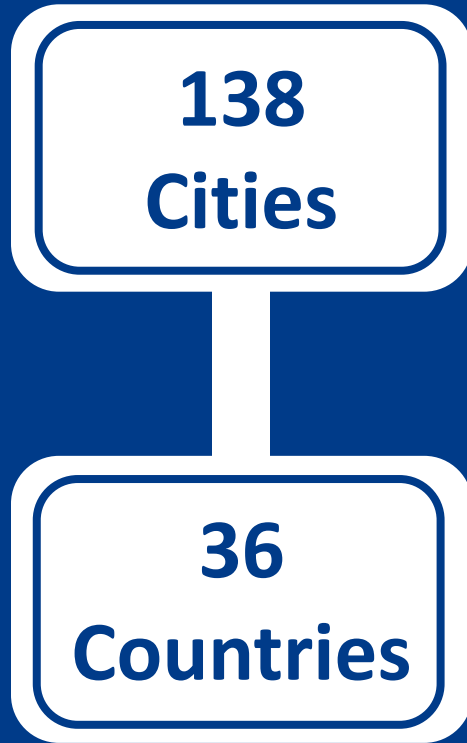


Evaluation, Selection
& Matching

Nov. 2021
1st ANNUAL
EVENT

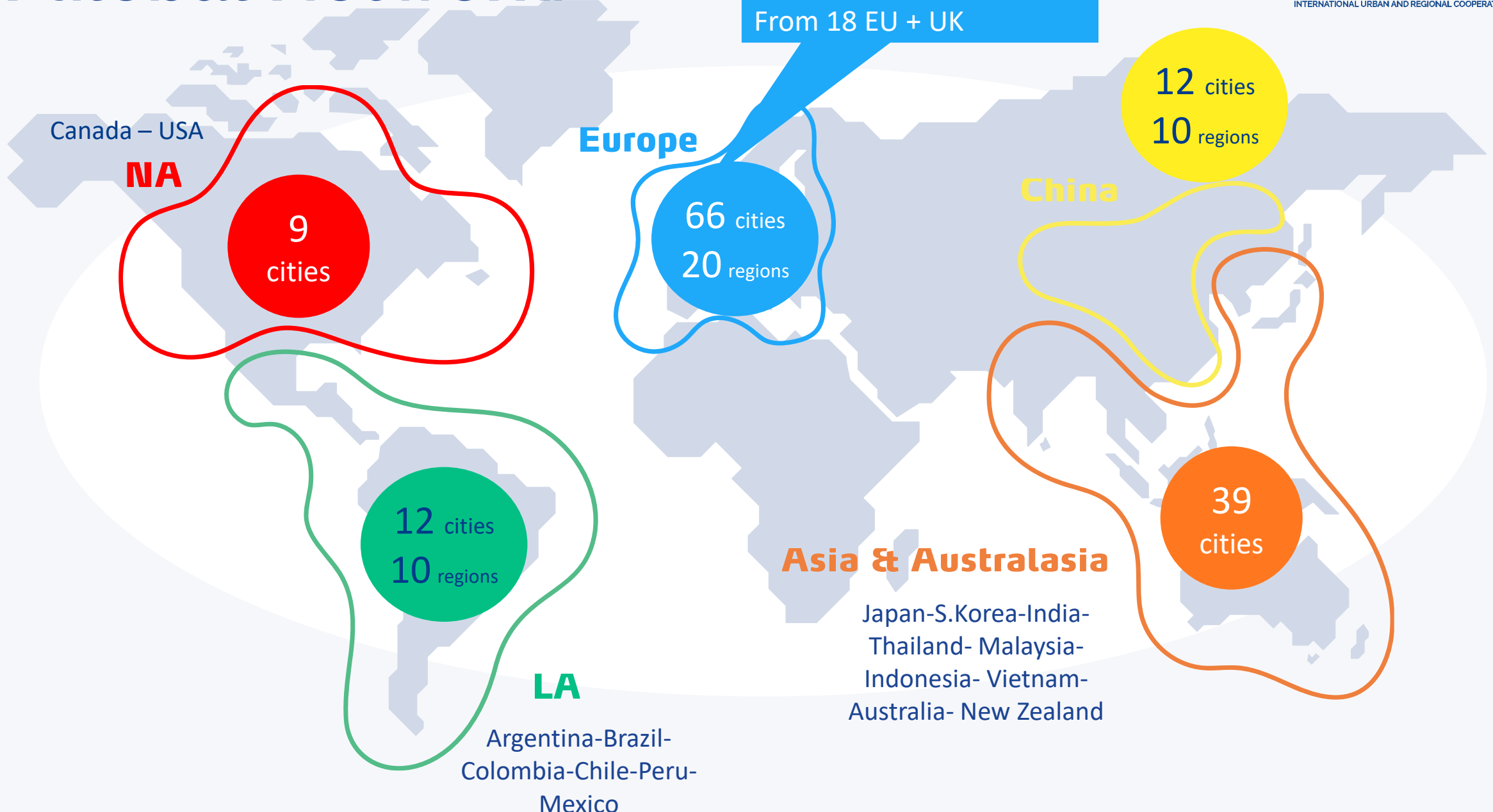


A Global Network



A Global Network:

47 Cities - 10 Funct.Areas
9 Metro. Areas
From 18 EU + UK



Canada - USA

NA

9 cities

Europe

66 cities
20 regions

China

12 cities
10 regions

12 cities
10 regions

LA

Argentina-Brazil-
Colombia-Chile-Peru-
Mexico

Asia & Australasia

Japan-S.Korea-India-
Thailand- Malaysia-
Indonesia- Vietnam-
Australia- New Zealand

39 cities

CASE: BALTIMORE (USA) & TURIN (IT)

ACTION: Equity Investments in Homes and Marginalized People to Arrive at Inclusion and Belonging for **ALL**



ERNST VALERY

MANAGING PARTNER AT SAA EVI (BALTIMORE)



CITY-TO-CITY COOPERATION RESULTS

Social Innovation

As a result of the IUC exchange, Baltimore adopted a focus on social in City Lab". The 2020 Accelerate Baltimore program selected applicar addressing four major city issues - blight, digital equity, mobility and r hosted two visits from Italian entrepreneurs that Baltimore officials exchange visit: a vermouth distillery (vermouth was first crafted i based operation and an Italian entrepreneur looking to move to the platform.

A delegation of seven stakeholders from the city of Baltimore from a Baltimore-based organization) attended the 2019 Open the Italian Foundation, Fondazione Giacomo Brodolini. The cor platform: turning assets into shared value leadership, governanc transformation." Turin and Baltimore participants presented on public financing and entrepreneurship education and support.

Neighborhood (Urban) Regeneration

An international business partnership has been signed to housing in Turin: Homes4all. The City of Baltimore has sig "House of emerging technologies" submitted by the City for innovation and internationalization. A Baltimore-base interest to invest in the conversion of a closed factory in due to Covid-19 the feasibility study has been suspende



In terms of learning through the IUC program, [the cooperation with the City of Baltimore] re-affirmed the crucial role of public institutions as key players to promote urban development based on principles of equity, inclusion, community welfare, and local production in deprived urban areas.

FABRIZIO BARBIERO, CITY OF TURIN



Baltimore & Turin, Italy

Neighborhood regeneration, social innovation & equitable economic development

CONTRIBUTION TO SDGS



KNOWLEDGE-SHARING & CAPACITY-BUILDING ACTIVITIES

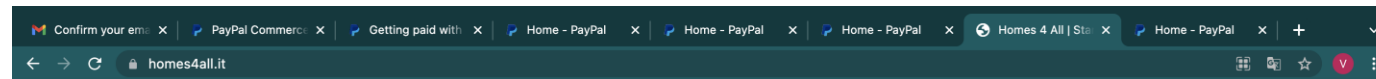
- 2018 - Learning Exchange in Turin
- 2018 - IUC-NA Region & Global IUC events in Brussels
- 2019 - Learning Exchange in Baltimore
- 2019 - Open Innovation Summit in Turin
- 2019 - Technical Visit to Turin (circular economy, regeneration and social entrepreneurship)
- 2019 - IUC-NA Region & Global IUC events in Brussels
- 2019 / 2020 - Online knowledge-sharing, capacity-building and networking technical sessions



HOMES4ALL.it

HOMES4ALL

Una casa per tutti, un rendimento per te!



HOMES4ALL

Investi Chi siamo Cosa facciamo News Contatti

Una casa per tutti, un rendimento per te!

Homes4All è la startup innovativa società benefit che riduce l'emergenza abitativa favorendo la rigenerazione urbana grazie alla sua rete di investitori a impatto sociale.



RACCOGLIAMO

risorse da privati interessati ad investire nell'immobiliare e a generare impatto sociale



**ACQUISIAMO E
RIQUALIFICHIAMO**

immobili a basso costo e li ristrutturiamo mettendoli a norma



GESTIAMO

gli immobili di privati, individuiamo i locatari e assistiamo il locatore nell'ottenimento di agevolazioni fiscali



ACCOMPAGNIAMO

gli inquilini con un programma su misura di sostegno, inserimento e formazione, in collaborazione con i servizi sociali e il Terzo Settore

THE AEQUO FUND

"Leveling the Playing Field"

Aequo Definition

Aequo [Ā-kwō] Verb, from Latin: *aequus* ("to level, to equal").

The Aequo Fund was established to level the playing field by giving access to capital to black, brown, women and immigrant developers so that they can be part of shaping our cities and neighborhoods.

Mission



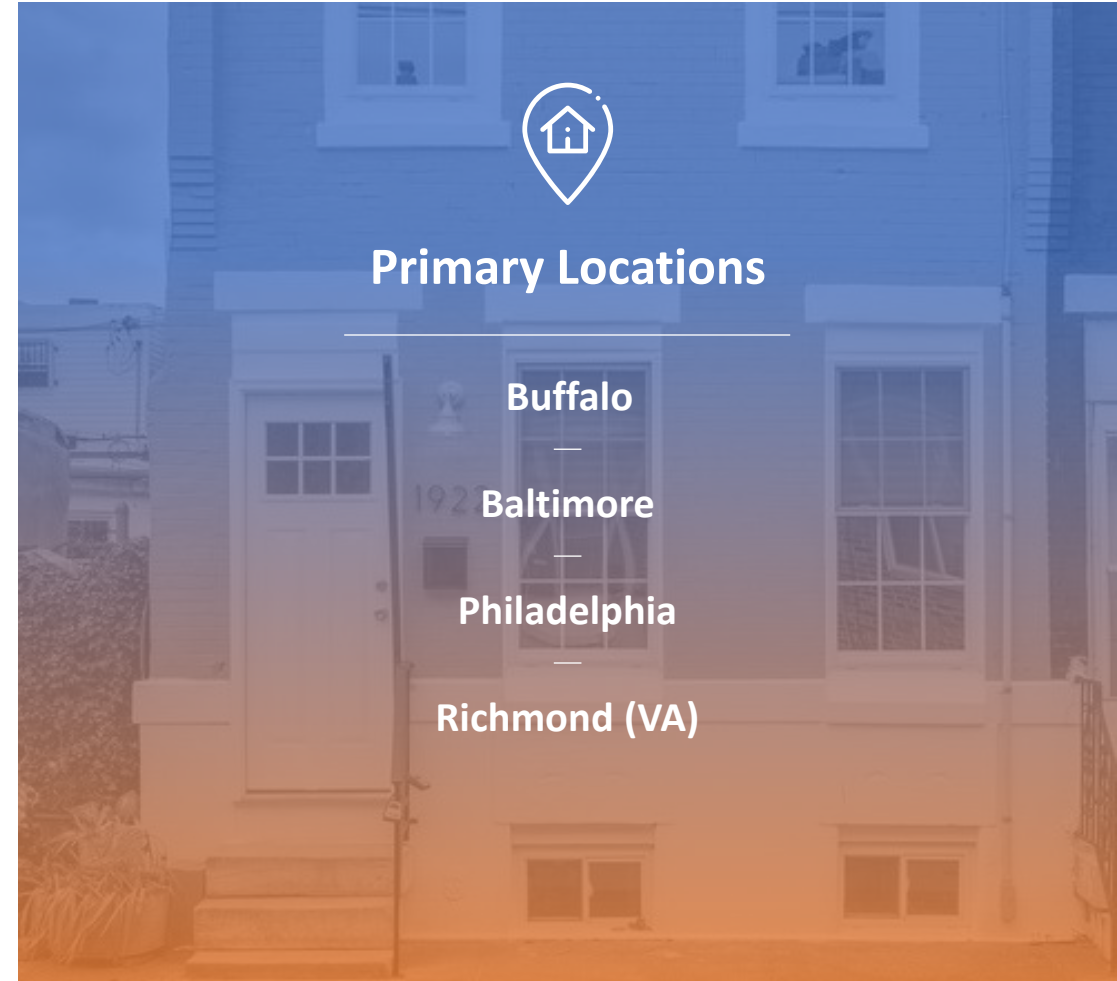
To create a community development initiative that will result in positive race and wealth equity outcomes from increased neighborhood stabilization, minority homeownership and job creation.



To expand small developer capacity and business activity.



Provide apprenticeship opportunities outside and within the community.



CASE: ALMERIA (ES) & LOS CABOS (MX)

ACTION: Improving drinking water networks through district meter areas, including investment, operation and maintenance



DAVID DÍEZ FRONTÓN

AQUALIA DIRECTOR FOR MEXICO & EXTREMADURA (ES)



Los Cabos MIG Tender

Basic Information

- **Project:** Comprehensive Management Improvement (MIG Project, as per its initials in Spanish) in Los Cabos area, through the establishment of Closed District Metered Areas (DMA), which includes investment, operation and maintenance under the Public-Private Partnership Mexican scheme.
- **Client:** OOMSAPASLC (Organismo Operador Municipal del Sistema de Agua Potable, Alcantarillado y Saneamiento de Los Cabos).
- **Location:** Los Cabos, Baja California Sur, Mexico.
- **Contract type:** BOT (Investment and O&M of drinking water network).
49% CAPEX subsidized by FONADIN.
- **Term Contracts:** 10 years+10 years.
- **Portfolio:** Total estimated backlog of MXN 1,350m
(estimated MXN 600m CAPEX).
- **Estimated timeline:** 4 March 2021: submission date
21 April 2021: awarding date
13 May 2021: contract signing
- **Competitors:**
 - Suez & GAMI Ingeniería e Instalaciones, S.A. de C.V.
 - Agua de México S.A. de C.V.
 - GoAigua Mex. S.A. de C.V (Global Omnium group).
 - Acciona & La Peninsular Cía. Constructora S.A. de C.V.



Description: Provision of services in Cabo San Lucas area including the execution of an Investment Plan and the O&M of the Drinking Water Network: 88,925 inhabitants, 39,259 house connections, 268 km network length, 16 wells, 20 regulation tanks, 10 pumping stations. They have currently a not continuous supply.



Los Cabos MIG Tender

Scope

EPC/O&M (stage 1, 2 y 3) -3 years-: Studies and Projects for Investment Plan and initial Operation and Maintenance of the Drinking Water Network.

O&M (stage 4) -7 years-: O&M of the entire Drinking Water Network.

	Year 1	Year 2	Year 3	Year 4-10
	<p><u>Studies and Projects:</u></p> <ul style="list-style-type: none"> -Customer database and Water network survey. -Hydraulic model, DMA zoning. <p><u>Actions in 4 DMA pilots:</u></p> <ul style="list-style-type: none"> -Water meter replacements. -Damage house connections replacements. -DMA closing. -Leaks detection. -O&M pilot DMAs. 	<p><u>Actions in CSL drinking water network:</u></p> <ul style="list-style-type: none"> -Water meter replacements. -Damage house connections replacements. -DMAs closing (additional 22 expected). -Leaks detection. -O&M of the water network as DMAs progressing. 		<p><u>O&M of the entire drinking water network</u></p>
	<p><u>Telemetry & bulk meters:</u></p> <ul style="list-style-type: none"> -Abstractions points, tanks and pump stations. 			
Total CAPEX	174.842,68	408.724,37	23.572,92	
FONADIN Subsidize	84.441,10	197.395,36	11.384,65	
AQUALIA Equity	77.927,55	107.207,58	4.578,95	
Positive Operating CF reinjection	12.474,03	104.121,42	7.609,32	
O&M	35.770,13	36.843,24	37.948,54	407.015,07

Note: figures in MXN thousands, forecasted as current study



Los Cabos MIG Tender

Expected investment Plan

Stage	INVESTMENTS	MXN (k)	EURO (k)	%
1	Users Data Base of Cabo San Lucas (CSL)	15.637	629	2,6%
1	Drinking Water Network Survey of CSL	1.158	47	0,2%
1	Network Hydraulic Model of CSL and SJC (San José del Cabo)	445	18	0,1%
1	DMA Executive Project of CSL Drinking Water Network	462	19	0,1%
1-2	Acquisition, Replacement and Installation of CSL and SJC Bulk Meters	18.648	750	3,1%
1-2	Acquisition, Replacement and Installation of CSL and SJC Telemetry	38.342	1.543	6,4%
1-2-3	Acquisition, Replacement and Installation of CSL House Connections	28.210	1.135	4,7%
1-2-3	Acquisition, Replacement and Installation of CSL House Water Meters	55.066	2.215	9,2%
1	Replacement of 1,000 House Connections in 33-Miramar DMA	10.558	425	1,8%
1	Diagnosis and Executive Project of the Aqueduct from Cabo Bello to Center	1.497	60	0,3%
1	Interconnection of 4-Well to 23-Center DMA	5.989	241	1,0%
1	Closure of 4 DMA pilots: 21-Ejidal, 23-Center, 34-Venados/Buenavista, 41-Cangrejos	11.902	479	2,0%
1	Leak Detection, Leak Control and Network Hydraulic Infrastructure of 4 DMA pilots	59.163	2.380	9,9%
2	Aqueduct from Cabo Bello to Center (work execution)	3.105	125	0,5%
2-3	DMA closure according to the Project carried out during the stage 1	86.940	3.498	14,6%
2-3	Leak Detection, Leak Control and Network Hydraulic Infrastructure	259.638	10.446	43,5%
TOTAL forecasted INVESTMENTS		596.761	24.009	100,0%

● Case Base

Main assumptions:

- ✓ Constant number of Users during the Contract Term (flat curve).
- ✓ Closing DMA constantly during years 2-3
- ✓ 5% of the Users are considered belonging to Open DMAs during the whole Contract Term (no income associated).
- ✓ No extra-income considered because lack of water supply from the Client during years 2-3.
- ✓ 11.50% WACC.



Los Cabos MIG Tender

Retribution and KPIs

Retribution : Rate per User in a Closed DMA*		
Closed DMA	Year 1	100% of the Rate * Users in 4 Pilot Closed DMAs
	Year 2-10	100% of the Rate * Users in all Closed DMAs
Open DMA	Year 2	80% of the Rate * Users in Open DMAs
	Year 3	60% of the Rate * Users in Open DMAs
	Year 4-10	No income right

Established KPIs for Closed DMAs (full conditions to have the right of income):

1. Service Continuity: 24 h x 365 supply with pressure in the range below.
2. Minimum and Maximum Pressure: Operation in the range of 1,0-2,5 kg/cm² (0,3 Kg/cm² during night period of time).
3. Water Quality: Weekly chlorine test in two measurement-points in every DMA; in the range of 0,2-1,5 mg/l.
4. Efficiency: To achieve a minimum efficiency of 75% (monthly measurement).

(*) DMA not achieving KPIs is considered an Open DMA

● Awarding criteria

- ✓ **Technical criteria:** to obtain a minimum score of 80 points over 100 (pass/fail criteria):

Technical score	
Item	Score (Points)
Methodology for the execution of the Investment and Operation Programs.	20
Quality assurance system and safety aspects	10
Accreditation of technical capacity (experience)	40
Project planning	30
TOTAL	100

- ✓ **Economic criteria:** the minimum offered price (Rate per User in a Closed DMA).



Los Cabos MIG Tender

● Risks

- **A Closed DMA will be certified by the figure of the so-called independent "APP Supervisor", which will determine their suitability. Mitigation measure: implement and agree at the beginning of the contract the checking and approval mechanisms with the APP Supervisor.**
- **Compliance with 75% DMA performance. Mitigation measure: flexibility to design proper DMAs in the zone.**
- **Delay of the commencement date of the new SWRO (the Agency cannot deliver the compromised water to the Developer to close DMAs). Mitigation measure: 10% extra-income assured by contract during years 2-3 and to apply the rebalancing clause from 4th year.**
- **Exchange rate (currency Mexican Peso). Mitigation measure: refinancing some Mexican asset to invest in local currency.**

● Upsides

- **10-years extension is possible. If not have economic balance, it is automatic.**
- **Potential increase of users from fraud detection and from new house connections (flat curve in Case Base).**
- **Better efficiency curve of DMAs, then we could reduce the 5% of Users belonging to Open DMAs (potential income increase).**
- **Potential new income from repair and maintenance activity for the users.**
- **Potential synergy with Los Cabos SWRO (shared management costs) if we were awarded.**
- **Potential new contracts.**


CASE: NORD-EST REGION (RO) & VALLE ABURRA (CO)

ACTION: Health Smart Specialization
through Regional Innovative Clusters



CARMEN MIHAI

MANAGER OF THE IMAGO-MOL CLUSTER



Stakeholders Roundtable “Sea of Opportunities”
IURC Annual Event 2021



Carmen Mihai, IMAGO-MOL cluster manager
November 23, 2021

C2C international cooperation

IMAGO-MOL Cluster and Health Medellin City Cluster, Colombia

within the framework of North- East RDA-Aburra Valley Metropolitan Authority Memorandum of Understanding



Online exploratory meeting on 4th of August 2020, followed by partnership agreement signing on 18 of September 2020

Foreseen actions:

- Promote **institutional exchanges** by inviting staff, researchers of the partner institutions to participate in a variety of health orientated activities and professional development, under international cooperation programs;
- Organize **symposium, conferences, brokerage events, short courses and meetings** on health issues, on agreed terms;
- Jointly **drafting grants proposals** in order to carry out research development and innovation activities under different international programs on mutual topics of interest;
- **Exchange information** pertaining to developments in research at each institution.

MEDIC-NEST, Precision MEDiCine Clusters integrating Digital Technologies for New EcoSystems in HealthCare

FUNDER: European Cluster Excellence Programme with ClusterXchange scheme connecting ecosystems and cities (COS-CLUSTER-2020-3-03)

TIMELINE: 24 MONTHS (START DATE: 1 FEB 2022)

- ⌚ Capacity building trainings, visits and benchmarking actions
- ⌚ 3 open digital tools integrated in MEDIC- NEST GRID
- ⌚ 80 exchanges within ClusterXchange scheme through the Partnership MEDIC-NEST Meta Cluster in Precision Medicine
- ⌚ 1 Partnership Agreement for the Meta Cluster on Precision Medicine
- ⌚ 1 European Meta-cluster Strategy in Precision Medicine
- ⌚ 1 Joint Action Plan for Precision Cancer Medicine 2022-2027
- ⌚ Final Conference for dissemination and enlargement of the MEDIC-NEST Meta



IMAGO-MOL CLUSTER's agenda for internationalization and enlargement



Participating at conferences and events dedicated to clusters

European Cluster Conference
European Cluster Alliance
TCIC
Matchmaking & brokerages



Participating in international projects

HORIZON 2020&EUROPE, COSME PROGRAMME



National and international interclusters collaboration

PA's signed with different clusters:
C.L.A.R.A (FR.),
HEALTH MEDELLIN CITY CLUSTER (CO),
FENIN(ES),
PHARMAPOLIS (HU)



Participation in cooperation platforms

S3P4PM Vanguard initiative



Organizing matchmaking events companies & RD institutions

Conferences, facilitating one2one meetings



Developing and implementing a marketing strategy

Social media, monthly newsletters

Move to the parallel session



Click on “Sessions” on the **left side** of your screen and enter in the Thematic Network parallel session you prefer



Reception



Stage



Sessions



Ecological Transition and Green Deal

Discover all the thematic clusters under Thematic Network n. 1 and meet the IURC community.



Urban & Regional Renewal and Social Cohesion

Discover all the thematic clusters under Thematic Network n. 2 and meet the IURC community.



Innovative & sustainable ecosystems & strategic sector

Discover all the thematic clusters under Thematic Network n. 3 and meet the IURC community.