PROGRESS REPORT FOR UNESCAP ON LOCALISING SDGs SINCE 7th APUF 2019

Presenter: Pablo Gándara, Team Leader Asia & Australasia
Date: 28.10.2021
Project Context – Green Deal, Post Covid recovery, SDGs, IURC Phase 1 (IUC)

**The European Green Deal**

- Increasing the EU’s Climate ambition for 2030 and 2050
- Supplying clean, affordable and secure energy
- Mobilising industry for a clean and circular economy
- Building and renovating in an energy and resource efficient way
- Financing the transition
- The EU as a global leader

**A European Climate Pact**

- Mobilising research and fostering innovation
- A zero pollution ambition for a clean and healthy environment
- Promoting and restoring ecosystems and biodiversity
- From ‘Farm to Fork’ - a fair, healthy and environmentally friendly food system
- Accelerating the shift to sustainable and smart mobility
- Locate no one behind (just transitions)

**Investing in a green, digital and resilient Europe**

- **Supporting Member States to recover**
  - Recovery and Resilience Facility
  - Recovery Assistance for Cohesion and the Territories of Europe - REACT-EU
  - Renforced rural development programmes
  - Renforced Just Transition Mechanism

- **Kick-starting the economy and helping private investment**
  - Solvency Support Instrument
  - Strategic Investment Facility
  - Strengthened InvestEU programme

- **Learning the lessons from the crisis**
  - New health programme
  - Renforced reedEU
  - Renforced programmes for research, innovation and external action

**Within European Semester framework**

- Supporting key sectors and technologies
- Investing in key value chains
- Solvency support for viable companies

**Supporting key programmes for future crises**

- Supporting global partners

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**Global Challenges & Inequalities**

- Air quality
- Housing
- Urban poverty
- Inclusion of migrants and refugees
- Urban mobility
- Jobs and skills in the local economy
- Digital transition
- Sustainable use of land and nature-based solutions
- Innovative and responsible public procurement
- Climate adaptation
- Energy transition
- Circular economy
- Cultural/cultural heritage (data not available yet)
- Security in public spaces (data not available yet)
A Global Network

- **Europe**: 47 Cities - 10 Funct. Urban Areas
  - 9 Metro. Areas
  - From 18 EU Countries + UK
  - 66 cities, 20 regions

- **NA**: 9 cities

- **LA**: 12 cities, 10 regions

- **Asia & Australasia**: 39 cities

- **China**: 10 cities, 10 regions
AP Countries involved in the IURC

Source: Own elaboration from Gapminder World
PROGRESS SINCE APUF
Results from the IURC Phase 1 (IUC) on decentralised cooperation of cities (C1)

1. How has the IUC contributed to localizing the SDGs?
   • Political endorsement by the Chinese Government (NDRC), by cities / regions from Europe, China and Malaysia.
   • Strong participation in relevant international events like the Asia-Pacific-Urban Forum (here we authored the resilience chapter of the UN ESCAP Report *The State of Asian Pacific Cities 2019* and chaired the resilience thematic activities)
   • Cooperation with UNESCAP during 2020 especially on post-Covid cities scenarios and on Voluntary Local Reviews (VLR).
   • Delivering concrete gains for EU, Chinese & Malaysian cities through plans with pilot projects driven by stakeholders
   • Delivering over 20 concrete pilot projects within the EU-China cities cooperation based on a triple-helix approach
   • Establishing structured, ongoing thematical exchanges through digital means (webinars, coachings, matchings)
   • Engagement of high-level political leaders and experts from Europe & Asia in the cooperation
Cooperation with UNESCAP

IUC Team participates at UNESCAP Meeting on “Response and Recovery: Asia-Pacific Cities on the Front Lines of COVID-19’

VLRs: IUC Asia participates in UNESCAP meeting on Asia-Pacific Regional Guidelines on Voluntary Local Reviews

The Asia-Pacific Regional Guidelines on VLRs

Unique
Simple
Complete
Responsive
RESULTS FROM PHASE 1 (IUC)
Joint Cities Approach Horticult. Expo
RESULTS FROM PHASE 1 (IUC)
Barcelona – Liuzhou
RESULTS FROM PHASE 1
Digital Twins, Books, Training

Welcome to the Rivaldi Palace Virtual Tour!

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

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, being 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 restoration and conservation activity currently underway in Italy. Here MIBACT – DGfRC is managing several restoration school workshops, 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 Tempus Pacis Project – IUC LazioLombardia Regione Lazio.

A ‘School Workshop’ is a place where the intellectual enrichment of new discoveries is shared on the ground, with interdisciplinary scopes and approaches and with the participation of many user profiles: historians, restaurers, digital designers and models, 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.

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
## RESULTS FROM PHASE 1

**Blueprint on Circular Cities**

### Malaysia’s Circular Cities Blueprint

*A vision and action plan to inspire transformation*

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### Matrix for Implementation of e-Guide and e-Hub Financing Tools

<table>
<thead>
<tr>
<th>Intervention Instrument</th>
<th>Grants and Schemes from Government</th>
<th>Credit schemes, guarantees &amp; alternative schemes</th>
<th>Direct sponsorship from corporates and donors</th>
<th>Equity Schemes</th>
<th>Circular Economy Green Bonds/Economic Instruments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Circular Urban Infrastructure &amp; Circular Rural Services</strong></td>
<td>Co-funding for the Public Private Partnership (Food Cities)</td>
<td>Cross-funding for green spaces,</td>
<td>Malaysian corporations,</td>
<td></td>
<td>Eco-tax schemes: Dutch tax incentive for material passport buildings</td>
</tr>
<tr>
<td>Matching grant under Domestic Investment Strategic Fund (DSIF)</td>
<td>to include CE Innovations and Sustainability Development Financing Fund (SDFF)</td>
<td></td>
<td>donors who provide</td>
<td></td>
<td>Local financial institutions including CE projects in green bonds for SDFF Green Bonds Framework, green sukuk</td>
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<tr>
<td><strong>Circular municipal services or city services</strong></td>
<td></td>
<td></td>
<td>contribute to</td>
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<tr>
<td>Matching grant under Domestic Investment Strategic Fund (DSIF)</td>
<td>Urban Reuse Agency: Municipality of Public closed water cycle</td>
<td>Malaysian Business Angels Network (MBAN)</td>
<td>Cell for Equity Shares, invested in the e-Hub e.g., E-CUBE, BNM, Bank of Istanbul, SBI, Realkapital, Porto Alegra</td>
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<td><strong>Resource efficient industrial development &amp; community developments</strong></td>
<td>Grants for projects to promote circular economy: Celanese Waste Agency</td>
<td>Credit line: BRD Sustainable Energy Financing Facilities (SEFFs)</td>
<td>The Master Sustainability Fund by Scania (Sweden) in Malaysia can be expanded to include CE</td>
<td>Sustainability-Linked Loans (SLLs) for CE and CBRF Islamic Bank</td>
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<td>Circular Vouchers: Turkish Material Market Place</td>
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<td>Soft Loans from Development Financial Institutions (DFI) - Bank Pembangunan Malaysia Bhd and Malaysian Industrial Development Finance Bhd (MIDF)</td>
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<tr>
<td>Malaysia: Cradle Fund Programmes, Magic (Kuala Lumpur under A2P), Malaysian Technology Development Corporation (MTDC)</td>
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<td><strong>Circular living community initiatives</strong></td>
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<td>Open Innovation Challenge: Amsterdam Circular Challenge, Circular Credits by UbiSoc in Brazil</td>
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<td>Grants for sustainable living projects: Smart City Cologne ISO funding programme</td>
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<td>Assessment: Tax Rebates Scheme by Helsinki City Council</td>
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<td><strong>Circular household practices</strong></td>
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<tr>
<td>Repairs Fund: ‘Recycle’ repair and share centres</td>
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</tbody>
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### Figure 2: Innovative Circularity Financial Tools – Combination of EU Malaysia Proposals
1. Why must urban and regional development become more sustainable?

2. Social inclusion and urban regeneration

3. Circular, sustainable production and consumption

4. Blue and green infrastructure and management

5. Climate change adaptation and mitigation

6. Mobility and transport

7. Smart cities and innovation

8. Taking sustainable development from planning to action

9. Next steps based on what has been learned

What does international cooperation bring to sustainable development?

Urban nodes develop their resilience in the face of a wide range of diverse problems. Thought is not always available in an effective way to prevent a crisis from happening. In response to conditions of increasing demand for water and energy, cities and regions are working across various contexts, and to learn from each other's local experiences.

City-to-city and region-to-region cooperation fostering sustainable development on a global scale

Best practices from the International Urban Cooperation programme

Report available online...

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1. Why must urban and regional development become more sustainable?

Access the world, the rise of urbanisation is occurring rapidly. This has put many cities under significant strain, with local governments struggling to meet the rising demands for services, as well as energy, water, waste management, transport. At the same time, as the majority of people live in urban areas, cities play an increasingly central role in addressing such issues. Social, economic, and environmental challenges are being faced and must be addressed.

Cities, due to their nature, remain entirely beholden to their regions surrounding them. In many cases, the dynamics are one of skill, dependence, with cities in effect, becoming economic engines for job creation, production, and regional development. If cities are seen as economic engines, social problems and urban issues can spread.

Cities and regions are always embedded in a common system, and they must progress together on multiple fronts to remain on a path towards sustainability.

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The International Urban Cooperation (IUC) programme of the European Union (EU) has shown that city-to-city and region-to-region cooperation can help cities and regions overcome challenges by sharing their experiences and working together to develop strategies which address the and allilotwork across various contexts, and to learn from each other's local experiences.

The programme, funded under the European programme for the urban area, is expected to contribute to cities and regions' regional development and innovation. It aims to foster cooperation between cities and regions in order to achieve the Shared Agenda.

The programme includes a series of measures including the creation of a common methodology, the development of a common approach to sustainable urban development, and the implementation of a common action plan.

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Why must urban and regional development become more sustainable?

Social and economic problems in cities are increasing, and it is essential to develop strategies to prevent crises from happening. In response to conditions of increasing demand for water and energy, cities and regions are working across various contexts, and to learn from each other's local experiences.

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City-to-city and region-to-region cooperation fostering sustainable development on a global scale.

Best practices from the International Urban Cooperation programme.

www.iuc.eu
Results from (IUC) on supporting the GCoM for Energy & Climate in Asia (C2)

How has the IUC contributed to localizing the SDGs? **Climate Action**

- Successful cooperation with national authorities in Indonesia (MoEF), Vietnam (MoNRE), Malaysia (Plan Malaysia / Ministry of Housing and Local Government) for vertical integration of the climate action planning process.
- Engaging with international (CDP, C40, ICLEI, UN), European (JRC) and local (CCROM, UTM) climate action partners.
- 13 CAPs in pilot cities in Indonesia, Malaysia and Vietnam.
- 4 provincial CAPs in Korea revised.
- Strong endorsement by the Chinese Government (MEE) in the cooperation with the EU on mitigation and adaptation.
- EU cities CAPs are recognized best practices for cities in Asia (both mitigation and adaptation), including China!
CLIMATE ACTION PLAN DEVELOPMENT IN INDONESIA, MALAYSIA, AND VIETNAM
State of Play
GCoM Asia

Support to Global Covenant of Mayors for Climate and Energy (GCoM) in Asia, EuropeAid/140696/DH/SER/MULTI

GCoM Japan Sec
(Nagoya University) & ICLEI Japan

GCoM SEA Sec
(UCLG ASPAC)

Local Coordinator,
CASS, NCSC &
ICLEI East Asia

Local Coordinator & ICLEI RoK

Local Coordinator & ACVN

Team Leader & Project HQ

CDP, C40, UNHABITAT, CCROM, UTM, TGO, ISPONRE, WRI, TERI, NIUA

Covenant of Mayors for Climate & Energy JAPAN
世界首長誓約／日本

Covenant of Mayors for Climate & Energy SOUTHEAST ASIA

Covenant of Mayors for Climate & Energy SOUTHWEST ASIA
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

RENOVATION WAVE
Decarbonized & energy efficiency in buildings

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

URBAN POVERTY
Deprived neighbourhoods, social housing, cohesion

TH-NW. 3 – INNOVATIVE, SUSTAINABLE & CARBON NEUTRAL ECOSYSTEMS & STRATEGIC SECTORS
A Smarter Future for Cities in Europe and Asia / Australasia

TOURISM & CULTURE
Sustainable Tourism, Cultural Heritage

HEALTH & LIFE SCIENCES
Ageing Society, Biotechnology

EDUCATION, JOBS & SKILLS,
Clusters, Innovation Centres
Thematic Clusters and Sub-Regions

City-to-city cooperation

Japan
Australia, New Zealand
South East Asia
Thailand, Indonesia, Malaysia, Vietnam,
India
Republic of Korea
IURC Activities

NEW GREEN POSSIBILITIES

19 JULY

POLICY TALK

19 POLICY TALK
The Policy Talk will enable city officials and urban planners to share the vision of their respective cities’ green urban development and exchange ideas on policy and incentive mechanisms.

Thomas Jager
Managing Director, IURC

Young-Chung Cho
Department of Environment and Green City, Seoul Metropolitan Government

Brigitte Kohnen
Lecture, Institute of Planning and Urban Development, City of Hamburg

Dr. Patrick Heuweld
Research Assistant, Department of Environment and Green City, City of Hamburg

Scan to Register

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 discussions will include how these platforms can be sustained and scaled up to fulfill more green spaces yet to be developed in urban areas, resulting in a better quality of life for the people.

Sofia Gaidola
Sustainability Officer, Sustainable Cities Strategy, City of Athens

Moderator: Supatcha Tovimitchada, Assistant Director for Sustainable Urban Development, Bangkok Metropolitan Administration

Transport Gangaram
Founder of GreenCity

Scan to Register

BANGKOK DESIGN WEEK 2021
BangkokDesignWeek
IURC Activities

Whakatā / Learng

- The cross-border / inter-regional project: Whakatā, End to End, Mātauranga Māori (Māori Knowledge and Innovation Project 2022-2025), which will build a large-scale digital infrastructure for all Māori communities, creating a sustainable and accessible digital platform.
- The platform will be a medium to pull together the value in different Māori communities with the capability to share, and communicate.
- The vision is that the platform will support the growth and aspirations of all Māori and their communities.

EIXO Atlántico, Portugal/Spain

- Eixo Atlántico (EA), is a cross-border association of 19 municipalities from Galicia (Spain) and North of Portugal with nearly 90 years of experience in joint local development.
- Pilot Area for IURC: Intermunicipal Community of Terras do Tâmega-Montes (ICTTM) - 115,527 Inhabitants.
- Economy: Large agricultural and forestry resources with a strong agro-industrial sector, tourism & technology.
- Interest: Sharing experience in building an urban agenda for functional areas (transferring methodology) and looking at the experience of similar areas to learn from them and transfer good practices to ICTTM.

Areas of interest:
1. Urban agenda / Planning, SUD strategies
2. Mobility & Transport – metropolitan connection
3. Circular economy – waste management
Next – IURC Global Event 2021
Save the date: 24.11.2021 – 09h00-12h00 CET
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