




Net-zero, resilient and
people-centred cities

Deep-dive workshops

5 November, Rio de Janeiro, Brazil



Agenda



13:30	Welcome & setting the scene	
14:00	Deep-dive Workshop: <u>Transforming Urban Planning with Geospatial Data & AI</u>	
16:00	Break	
16:15	Deep-dive Workshop: <u>Accelerating the Energy Transition</u>	Deep-dive Workshop: <u>Resilience and Decarbonization In Sync</u>
17:30	Final wrap-up and farewell	
20:00	Group reservation for dinner at Joaquina <i>N.B. this is voluntary, and everyone must pay for themselves!</i>	

Urban Transitions Mission City2City Program



Selection process

A transparent procedure for evaluating and pairing up **2–3 cities**, has been designed to lead towards meaningful, long-term relationships between participating cities:

Selection:

- **Mandate** to act
- Feasible **impact**
- Added **value**
- Strong **engagement**
- Relevant previous **experiences**
- **Balance** among the applicants

Matchmaking:

- **Thematic** priorities
- Comparable **institutions**
- Similar **geography** and **demographics**
- **Preferred** cities named, ideally even already contacted



UTM City2City's offer

Each twinning will primarily revolve around **four interactive sessions** over a **12-month** period. These have been structured in such a way so as to iteratively transform each city's challenges into viable opportunities.

1. **Scoping** the main **challenges** faced by participating cities: their teams outline the **state of play** and potential **offers** to map out a **single priority** for all cities matched.

2. Nurturing discussions for a **deep-dive** into specific needs: uncovering precise **gaps** each city faces and **opportunities** which synergize with their plans.

3. Assisting efforts to inspire possible (technical) **solutions: experts** present plausible **best practices** and **trouble-shooting** for their cities' contexts.

4. **Converting** concepts into concrete co-creation: revising their cities' **internal assessments** and brainstorming **next steps** towards **viable pilot** project(s).



**100% RE (renewable energy) generation
& technologies (theme #1)**

**Waste-to-energy
(theme #2)**

**Cooling planning,
measures &
technologies (theme
#4)**

**Resilience of
infrastructures (theme
#8)**

**Mobility, electric
vehicles, grid &
storage (theme
#6)**

**Digital twins &
solutions (theme #10)**

Other (theme #13)

**Housing / Net-zero
buildings (theme #3)**

**Data
manage-
ment
(theme
#11)**

**Sustainable
integrated lighting
(theme #5)**

**Blended finance, SPVs
& green bonds (theme
#12)**

**Clean
hydrogen
(theme
#7)**

**Sustain-
able ports
(theme #9)**



28 cities,
from **18**
countries, in
11 pairings!



Deep-dive: Transforming Urban Planning with Geospatial Data & AI



Needs



Access

- Limited available data
- Poor quality, inconsistent



Management

- Lack of capacity
- Limited skills
- Silos



Forecasting

- Limited access to tools (costs or skills)
- Fragmented responsibilities



Systemic planning

- Mobility
- Infrastructures interoperability
- Energy efficiency
- Buildings
- Cooling & extreme heat
- NbS and green infrastructures
- RES potential
- Flooding
- (Energy) poverty



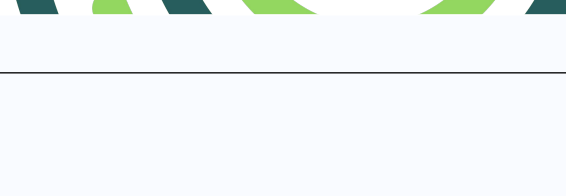


What's your city's biggest data challenge today?



Or join at [slido.com](https://www.slido.com)

2923767



14:00	Welcome & Framing
14:10	Setting the Scene: AI & Geospatial Data for Urban Transitions <ul style="list-style-type: none">- Tom George, Google- Paula Aluani, Geo LatAm Strategic Partnership, Google
14:30	Real-world examples: cities applying geospatial data for resilience, energy, and inclusion <p>Join on stage:</p> <ul style="list-style-type: none">- Jason Grant, Senior Energy Resilience Program Manager, Miami-Dade, USA- Bárbara Ribeiro Soares, Director of Sustainable Economic Development, Belo Horizonte, Brazil- João Dinis, Climate Action Director, Cascais, Portugal
14:50	Hands-On Group Exercise: Exploring Use Cases <p>Participants split into small groups, each focusing on one possible scenario to explore:</p> <ul style="list-style-type: none">• Mitigating the urban heat island effect and increasing resilience• Transportation & mobility (focused on Congestion)• Building design and resilience planning (other tools) <p>Each group:</p> <ul style="list-style-type: none">• Works with simplified geospatial layers provided by Google• Identifies challenges/opportunities in their scenario• Prepares 2–3 key insights or recommendations
15:30	Group Reports & Peer Exchange <p>Each group select a reporting lead to share back their findings (3 min each)</p>

Hands-On Group Exercise:

Participants split into small groups, each focusing on one possible scenario to explore:

- *Mitigating the urban heat island effect and increasing resilience*
- *Transportation & mobility (focused on Congestion)*
- *Building design and resilience planning (other tools)*

Food for thought:

- *what data can be/ has been used and how*
- *what are the challenges in accessing, using, managing this information for action and policy planning*
- *What are the remaining gaps, and what should be further investigated and why*

Each group:

- *Works with simplified geospatial layers provided by Google*
- *Identifies challenges/opportunities in their scenario*
- *Prepares 2–3 key insights or recommendations*





Which use case feels most relevant to your city?

- *Mitigating the urban heat island effect and increasing resilience*
- *Transportation & mobility*
- *Building design and resilience planning*
- *Other*



Or join at slido.com

2923767

Let us know how we can improve



Please share your
feedback with us.



Google Earth

1. Accelerating the Energy Transition

→ stay here

2. Resilience and Decarbonization In Sync

→ move to Auditorium



Parallel workshops

Cities named below should join the correct group - others are welcome to join where they wish.

Accelerating the Energy Transition

Presentations:

UN-Habitat, Turkey, Ukraine and Argentina

Renewable energy deployment, grid integration and storage

1. *Braga, Darkhan, Istanbul, València*
2. *Cascais, Çorlu, Zhytomyr*

Bridging the energy-mobility nexus

3. *Baguio, Barranquilla, Córdoba, Quelimane*

Group Reports & Peer Exchange

Resilience and Decarbonization In Sync

Presentations:

UN-Habitat, ICLEI Brazil, Brazil, Chile, Ecuador

Cooling and tackling extreme heat through technology

1. *Renca, Porto Alegre*
2. *Belo Horizonte, Salvador*

Green and blue infrastructures for water management

3. *Mendoza, Cuenca*

Group Reports & Peer Exchange

Hands-On Group Exercise

Each group takes notes of identified **challenges**, **good practices** and **next steps** related to that group's *designated topic*, with a focus on the group's *featured UTM City2City pairs*.

Your cities are aiming to become net-zero, resilient and inclusive, but...

1. Prioritizing actions

What is the one greatest priority your cities face when it comes to _____?

2. Identifying key challenges

What are the greatest obstacles you have faced in implementing solutions to address these priorities? What are you missing?

3. Exploring good practices

What were the key success factors of the solutions you are considering or you have implemented? Could these be replicated or adapted in other cities?

4. Next steps

How can the UTM City2City programme help your city move forward?



ZERO-EMISSIONS
SHIPPING
MISSION

Final wrap-up

Deep-dive Workshops

5. November 2025, Rio de Janeiro



New call!

Continuation of the **initial** twinings

