

An aerial night view of a city skyline, likely New York City, with numerous skyscrapers illuminated. Overlaid on the city are several glowing, thin white lines that form arcs and loops, resembling orbital paths or data connections. The background is a dark, starry sky.

Fair and Open Smart Cities: Growing the Local IoT Data Infrastructure Partnerships (beyond the obvious)

Smart Cities & Communities

"In the course of history, the towns have existed within and outlasted empires, nation states, and regimes and have survived as centres of social life, carriers of our economies, and guardians of culture, heritage and traditions. Towns have been the centres of industry, craft, trade, education and government. Sustainable human life on this globe cannot be achieved without sustainable local communities."

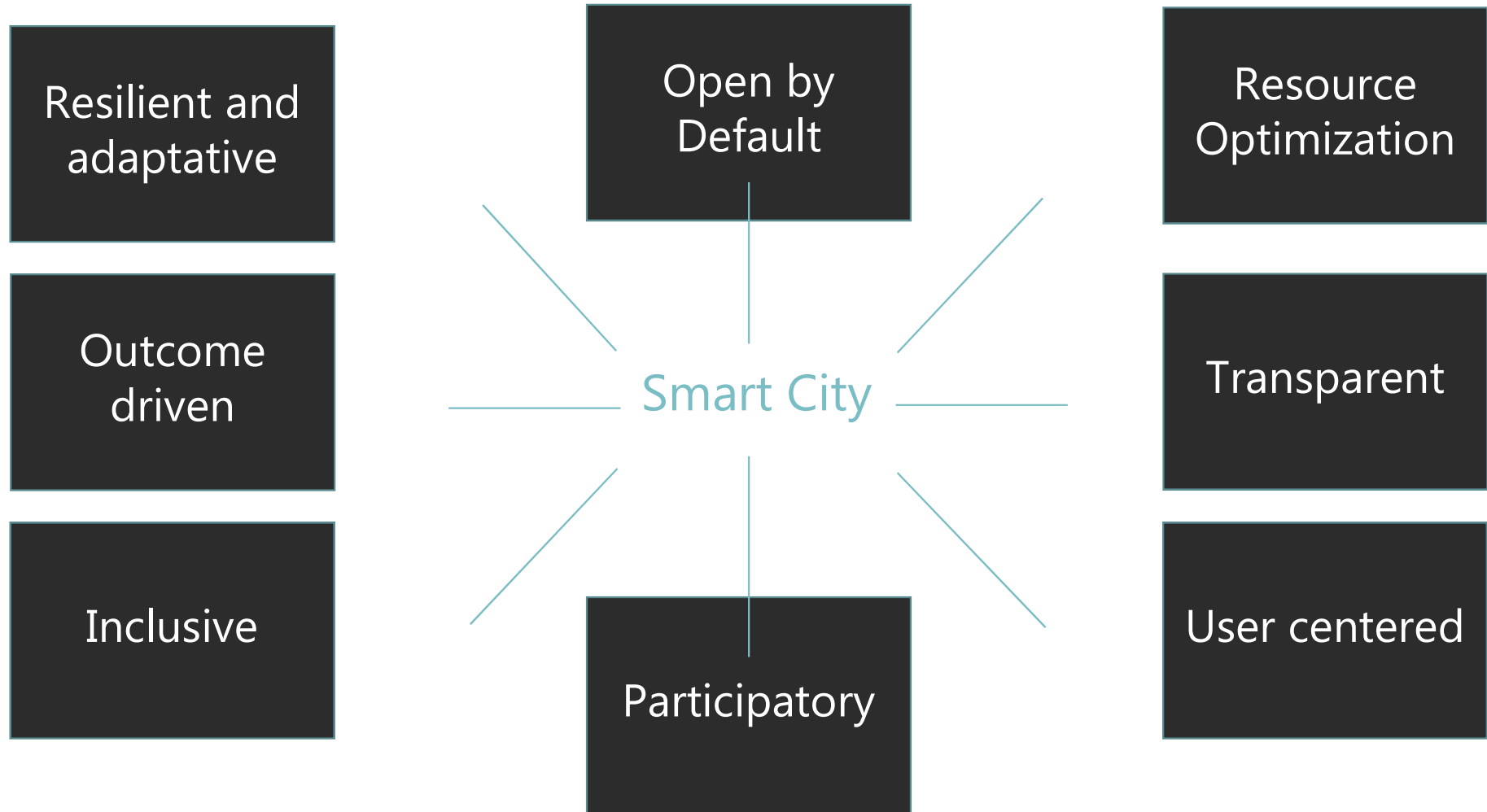
Charter of European Cities & Towns Towards Sustainability

What is openness?

Openness can be defined in terms of data infrastructure, standards, source information and open collaboration that enables building new services or modifying existing ones for all stakeholders.

Better data (and better tools to collect and analyse it) enables people to make informed choices as they go about their everyday lives and cities to understand how best to deliver services.

Open Smart City Principles



A nighttime photograph of a city skyline, likely New York City, featuring several illuminated skyscrapers and a Ferris wheel in the lower-left corner. The image serves as a background for the text overlay.

Shared characteristics

INCLUSIVE

COLLABORA-
TIVELY BUILT

TECH & DATA
AT THE SERVICE
OF ALL

RESILIENCE

Building local IoT data partnerships

This is not about a single approach, product or technology but a range of interconnected devices, services and people.

A key part of the role of the municipality in seeding this ecosystem is knowing when and how to support it.

CREDIT: Getting to Open Smart Cities Canada

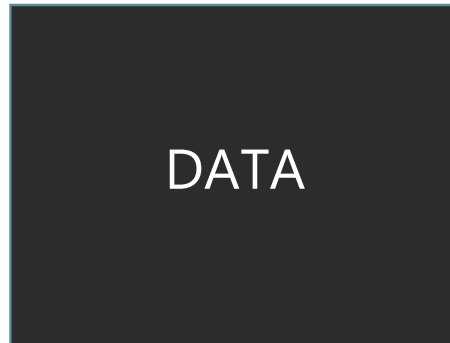
Approaches

Procurement

Smart cities can set the pace by working to identify city challenges and then translating these into an open call with an innovation led brief.

Living Labs

Living labs are when the city defines a specific area as an open laboratory to test and pilot Smart innovations for improving city functions .



Hosting

Any city can become an innovation destination through targeted investment and strategies that provide tax breaks, work space and business support.

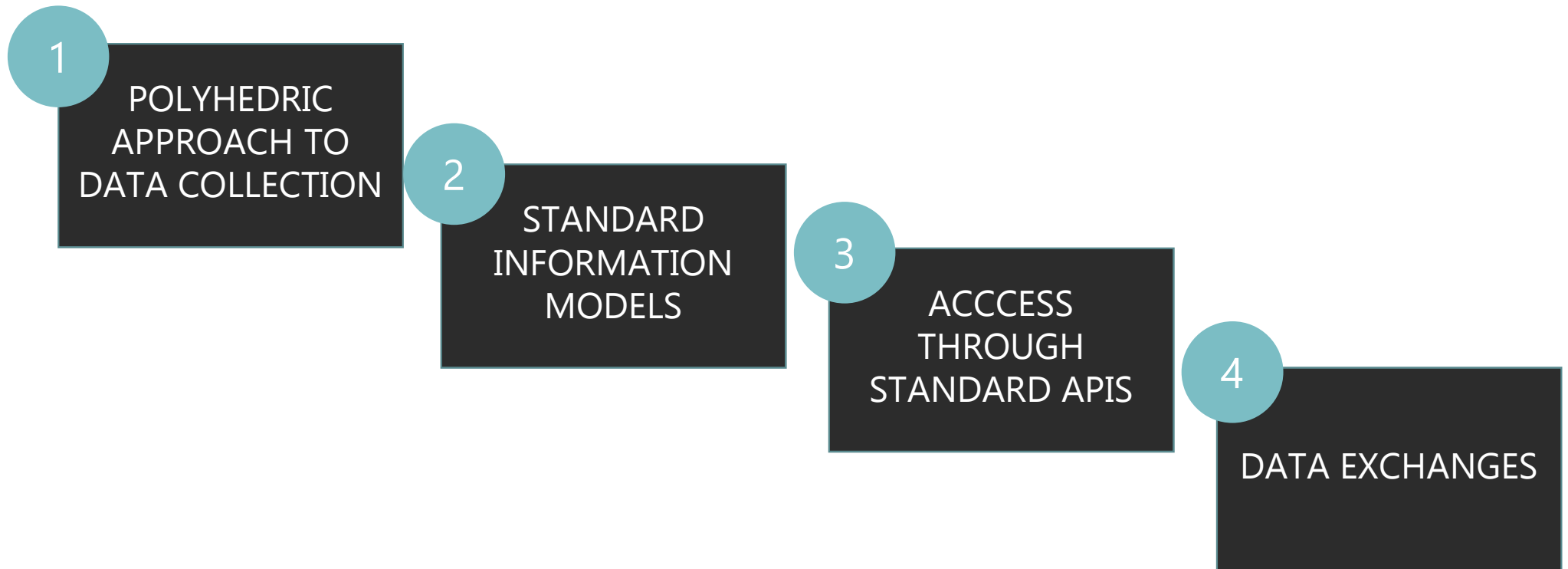
Strategist

The strategy for innovation followed by each Smart City should be align with all the stakeholder's purposes.

The background of the slide is a photograph of an oil pumpjack in a desert landscape. The pumpjack is in the foreground, its silhouette dark against the sky. The sky is filled with large, textured clouds, and the horizon shows distant hills. The overall color palette is muted, with browns, greys, and soft blues.

**Data is not the new oil.
It is the new currency.**

Transitioning to a partnership approach



CREDIT: FIWARE

Your north star

It is all about the data. 97% of AI projects fail because of data quality. Labelling is essential to train AI and machine learning, key technologies for next gen smart and sustainable communities .





**Successful engagement
with new players for
enhanced outcomes**

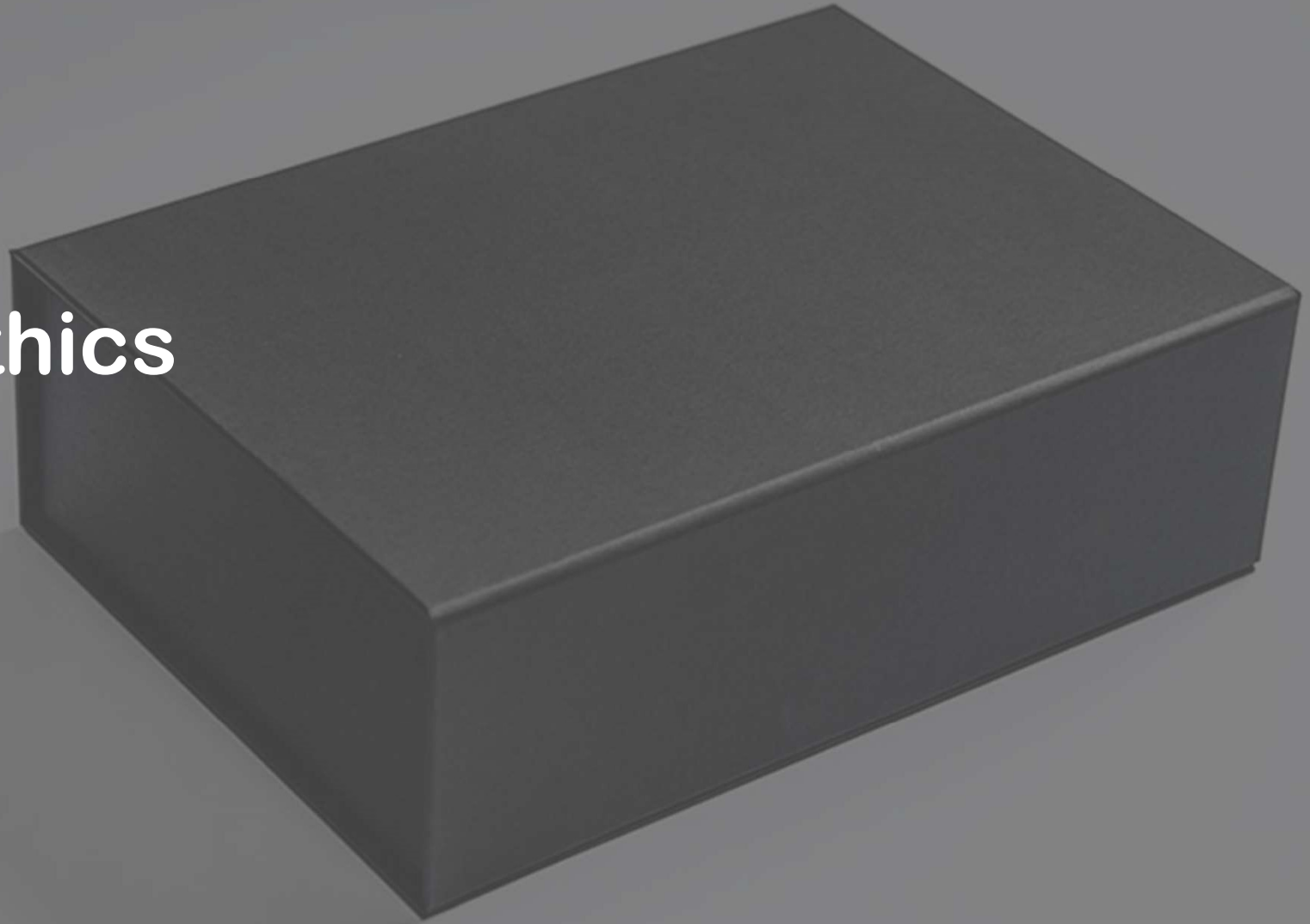
A large, dark pile of garbage and trash, including plastic, paper, and other debris, fills the lower two-thirds of the frame. The background is a solid, dark grey sky. The text is overlaid on the upper part of the trash pile.

1. Clean data is at the heart of
open and fair smart cities



2. From Pilot to Partner. Process eats innovation for breakfast

3. Ethics



Summary

1. CLEAN DATA

- Don't pass on the cost of structuring and cleaning your data to others

2. FROM PILOT TO PARTNER

- Have a plan to go from pilot to full scale. What metrics prove value and what is the roadmap to full adoption in the city.
- Provide clarity on the process

3. ETHICS & FUTURE PROOFING

- Ask questions. Has the AI been tested with counterfactuals? Avoid black boxes.
- Provide training to your own staff on ethics so they can ask the difficult questions.



 BluSpecs