Healthy, Clean Cities
Deep Demonstrations of Radical Climate Action
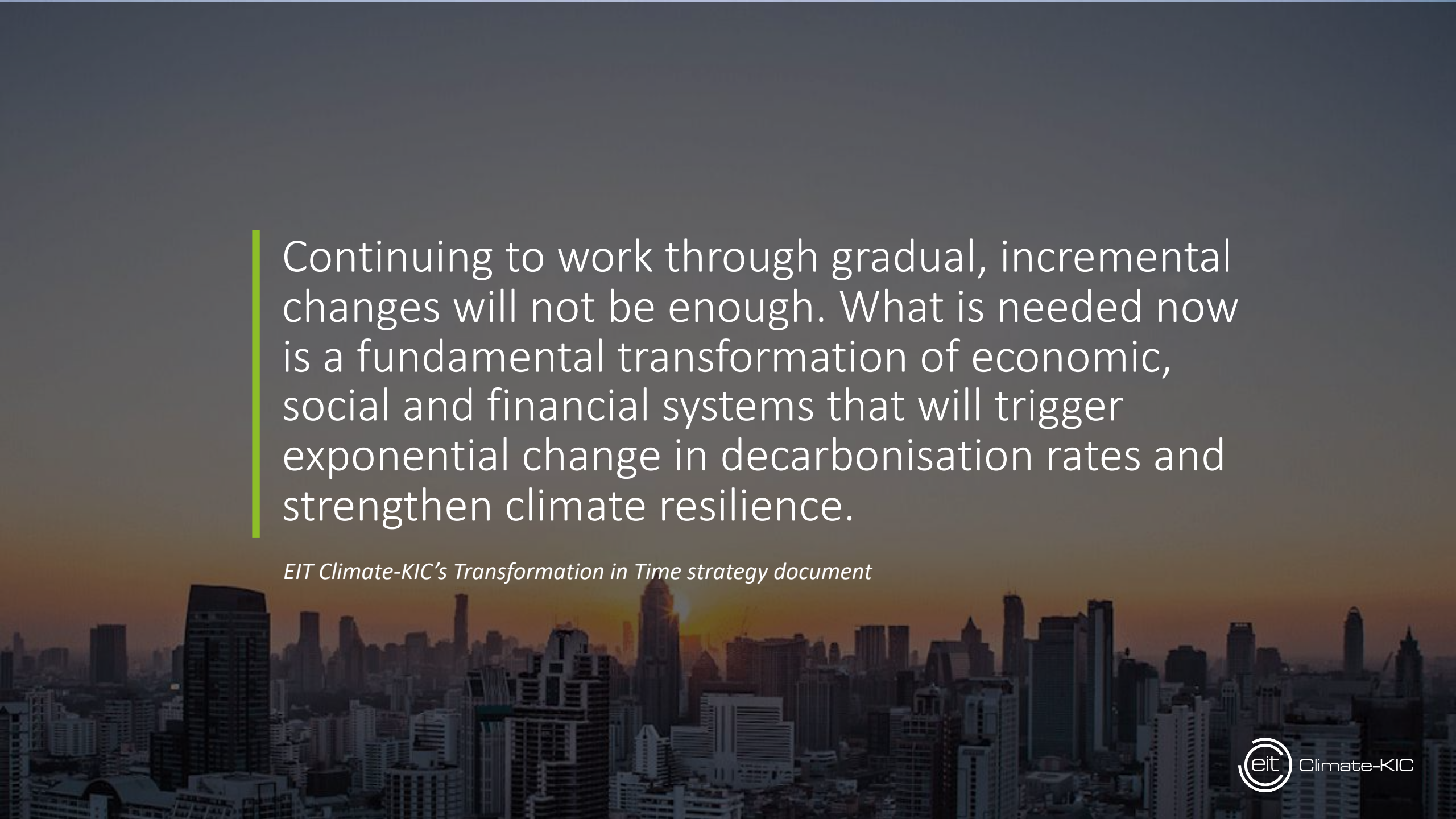
🐦 @ClimateKIC

September 2019

EIT Climate-KIC is supported by the
EIT, a body of the European Union

"
Limiting global warming to 1.5°C would require rapid, far-reaching and unprecedented changes in all aspects of society.
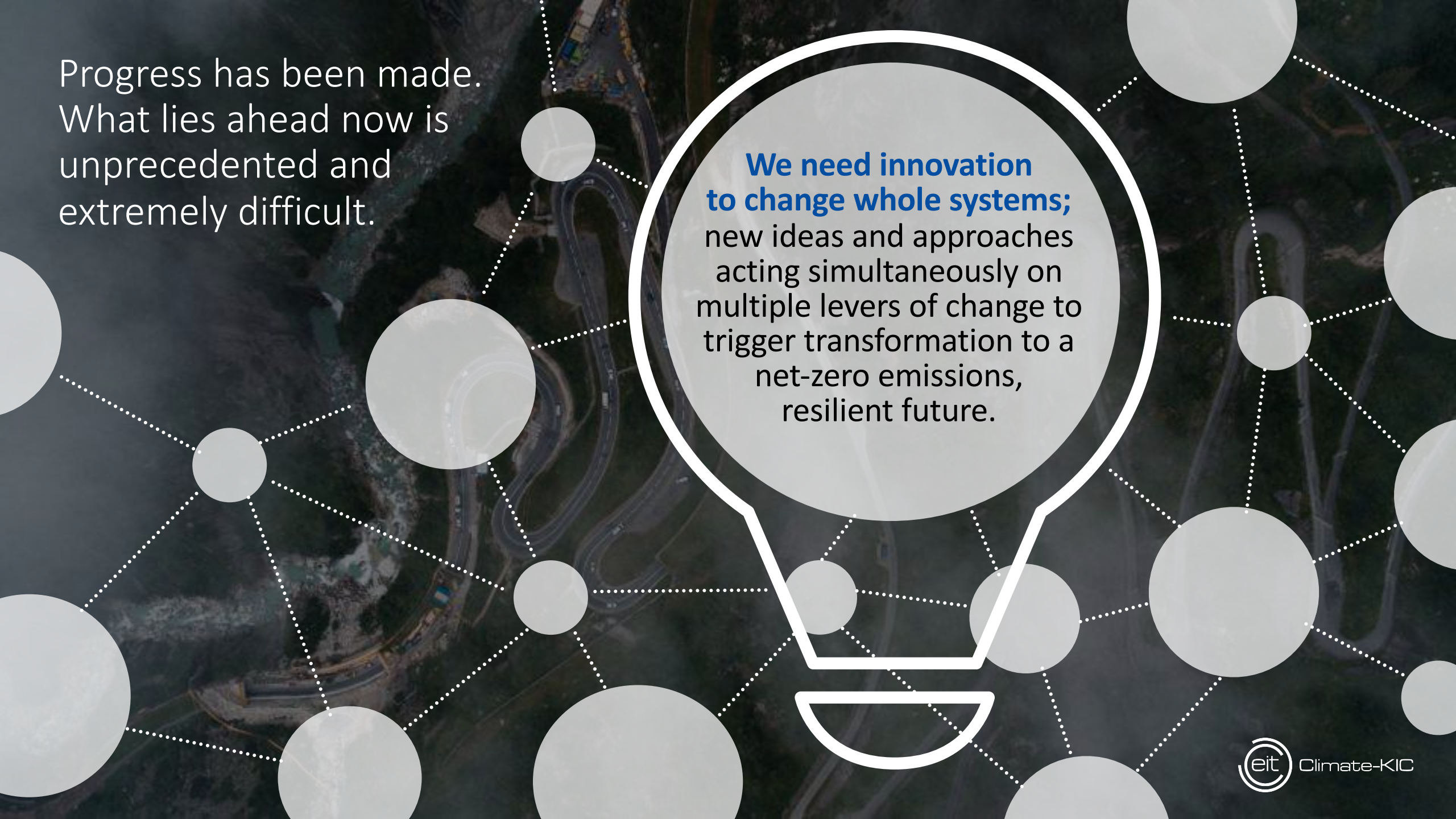
IPCC Special Report on 1.5 Degrees

"

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Continuing to work through gradual, incremental changes will not be enough. What is needed now is a fundamental transformation of economic, social and financial systems that will trigger exponential change in decarbonisation rates and strengthen climate resilience.

EIT Climate-KIC's Transformation in Time strategy document
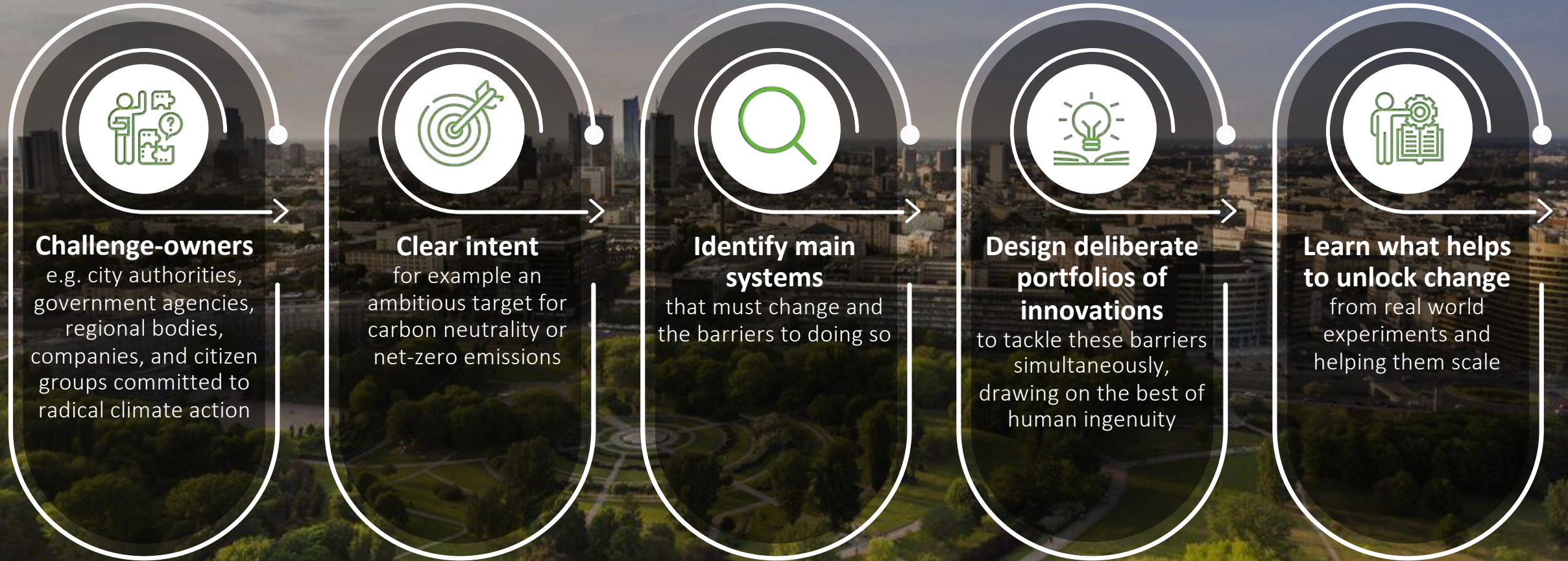
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Progress has been made. What lies ahead now is unprecedented and extremely difficult.

We need innovation to change whole systems; new ideas and approaches acting simultaneously on multiple levers of change to trigger transformation to a net-zero emissions, resilient future.

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What are 'Deep Demonstrations'?

Showcases of the rapid, far-reaching and unprecedented change we now need

Challenge-owners
e.g. city authorities, government agencies, regional bodies, companies, and citizen groups committed to radical climate action

Clear intent
for example an ambitious target for carbon neutrality or net-zero emissions

Identify main systems
that must change and the barriers to doing so

Design deliberate portfolios of innovations
to tackle these barriers simultaneously, drawing on the best of human ingenuity

Learn what helps to unlock change
from real world experiments and helping them scale

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Healthy, Clean Cities

Just Transitions of Heavy Industry Regions

Net-Zero Emissions, Resilient Maritime Hubs

Circular, Regenerative Economies

Resilient Regions

Long Termism in Finance

Landscapes as Carbon Sinks

Climate-friendly Food Systems and Diets

01
02
03
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08

8
Deep Demonstrations

First wave
Second wave

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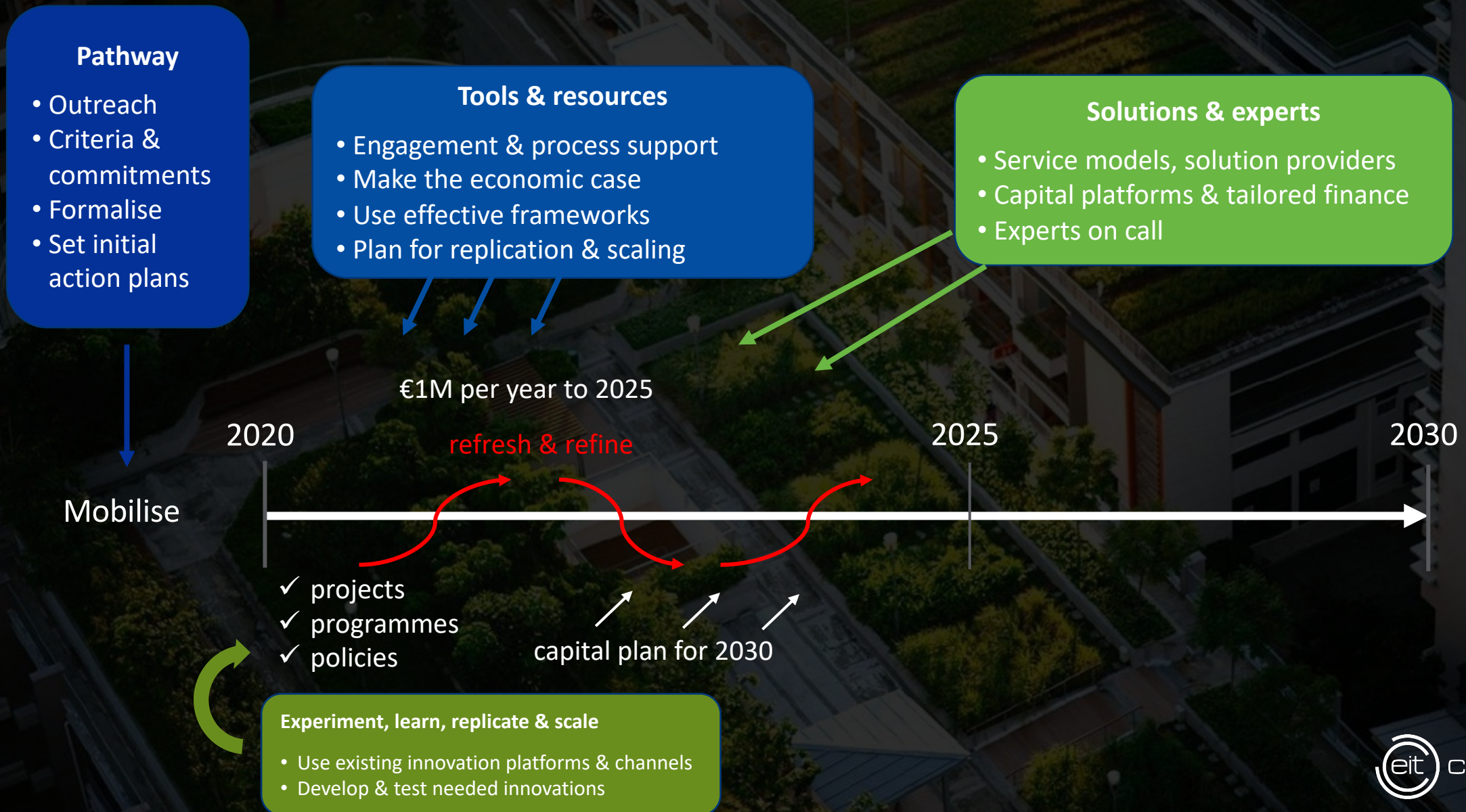
A deep demonstration of…

Healthy, Clean Cities

Cities face an enormous challenge in becoming healthy places to live, while reaching net-zero emissions in a short period of time.

EIT Climate-KIC is working with ambitious mayors and municipalities to design portfolios of innovations capable of unlocking transformation across city systems.

2019
5-10 cities

2020
20-25 cities

2025
50 cities

2030
100 cities

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Working with cities over a 10-year period

Pathway

- Outreach
- Criteria & commitments
- Formalise
- Set initial action plans

Tools & resources

- Engagement & process support
- Make the economic case
- Use effective frameworks
- Plan for replication & scaling

Solutions & experts

- Service models, solution providers
- Capital platforms & tailored finance
- Experts on call

€1M per year to 2025

2020

refresh & refine

2025

2030

Mobilise

- ✓ projects
- ✓ programmes
- ✓ policies

capital plan for 2030

Experiment, learn, replicate & scale

- Use existing innovation platforms & channels
- Develop & test needed innovations

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Healthy, clean cities

Problem owners

We are working with an initial cohort of fifteen city governments across Europe.
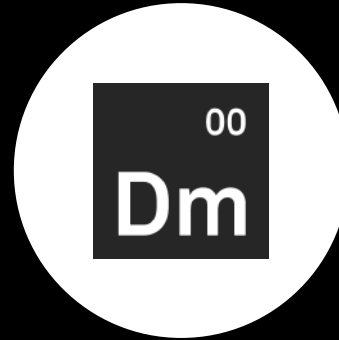
Future cohorts are a goal.

1 City Government of **Madrid**

6 City Government of **Amsterdam**

11 City Government of **Maribor**

2 City Government of **Milano**

7 City Government of **Copenhagen**

12 City Government of **Sarajevo**

3 City Government of **Orléans**

8 City Government of **Malmö**

13 City Government of **Skopje**

4 City Government of **Edinburgh**

9 City Government of **Vienna**

14 City Government of **Križevci**

5 City Government of **Leuven**

10 City Government of **Kraków**

15 City Government of **Niš**

Healthy, clean cities

Designers

And we are working with five partners to design a portfolio of interventions.

Additional implementation partners and suppliers to be invited shortly.

Dark Matters Labs

Bankers without Boundaries

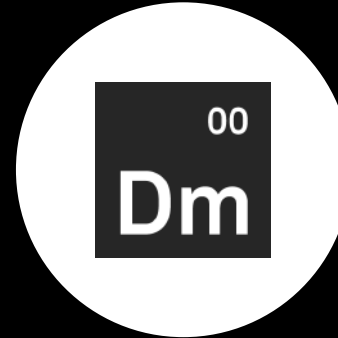Material Economics

Global Covenant of Mayors

Democratic Society

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Healthy, clean cities

Co-create *strategic innovations* for systems change

- Citizen engagement, democratic decision-making, governance
- Social innovation & activation
- Economic context & business case
- Policies and programs to enable transformation
- Projects for transformation via replication & scale
- Business models, financing structures, capital markets

Dark Matters Labs

Bankers without Boundaries

Material Economics

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Deep demonstrations overview

Key part of delivering EIT Climate-KIC's *Transformation in Time* strategy

Work with problem owners to drive demand for systemic change

Portfolio approach to systems innovation

Missions focus on critical areas for climate action and EU's *Clean Planet for All*

Phase 1: Call for interest to ID problem owners and co-designers, establish intent

Phase 2: Frame the problem and design innovation options to tackle problem

Phase 3: Execute a portfolio of options as a spread of possibilities

Results of Call - x number of proposals received

Portfolio phase in 2020 will offer future opportunities to get involved

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