Amsterdam
Economic
Board

Amsterdam
Smart
City

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International Liaison
29 June 2020

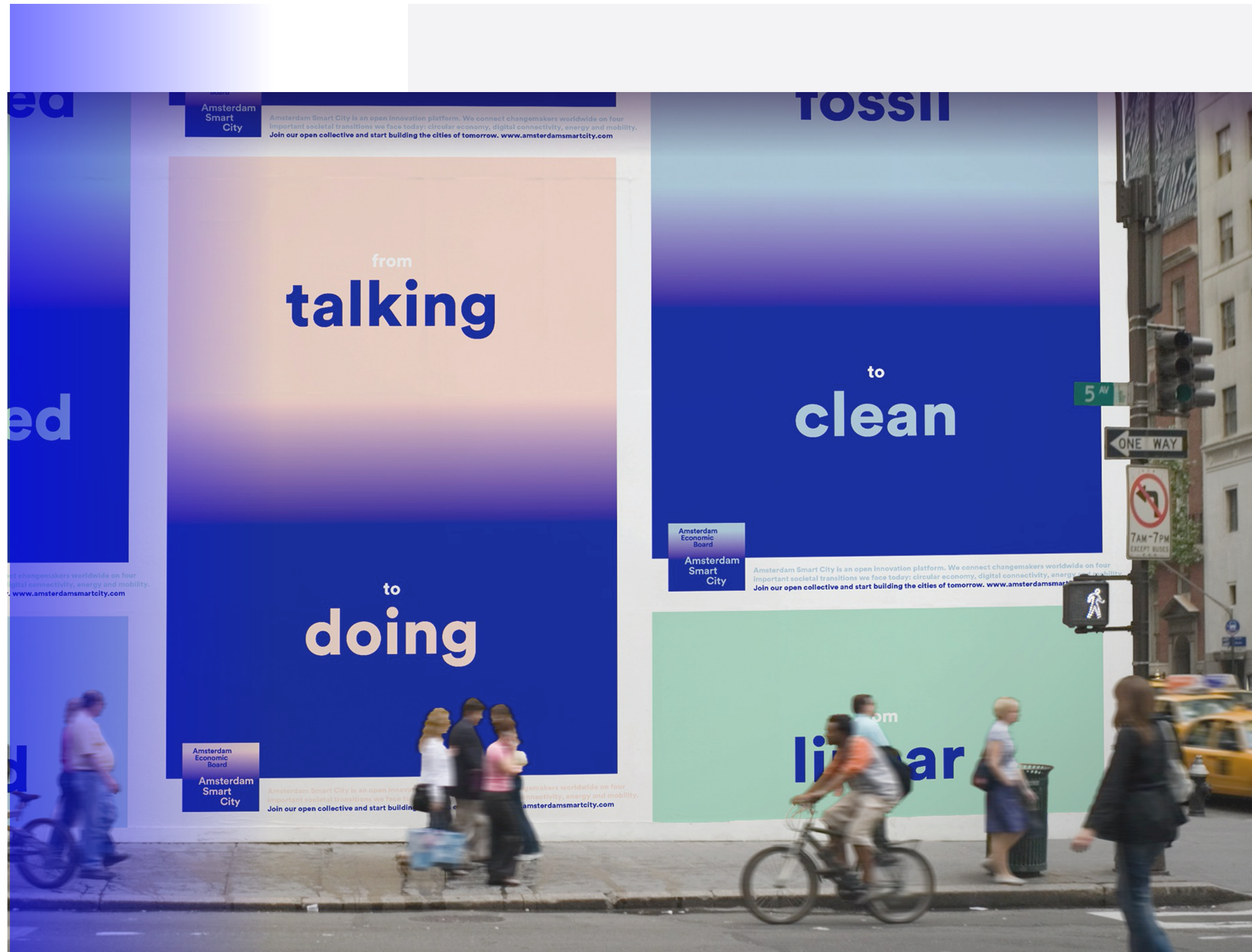# Introduction to Amsterdam Smart City & circular economy ecosystem

About me

International Liaison;
working for Amsterdam
Smart City / Amsterdam
Economic Board for 4.5
years

BSc Chemical Engineering
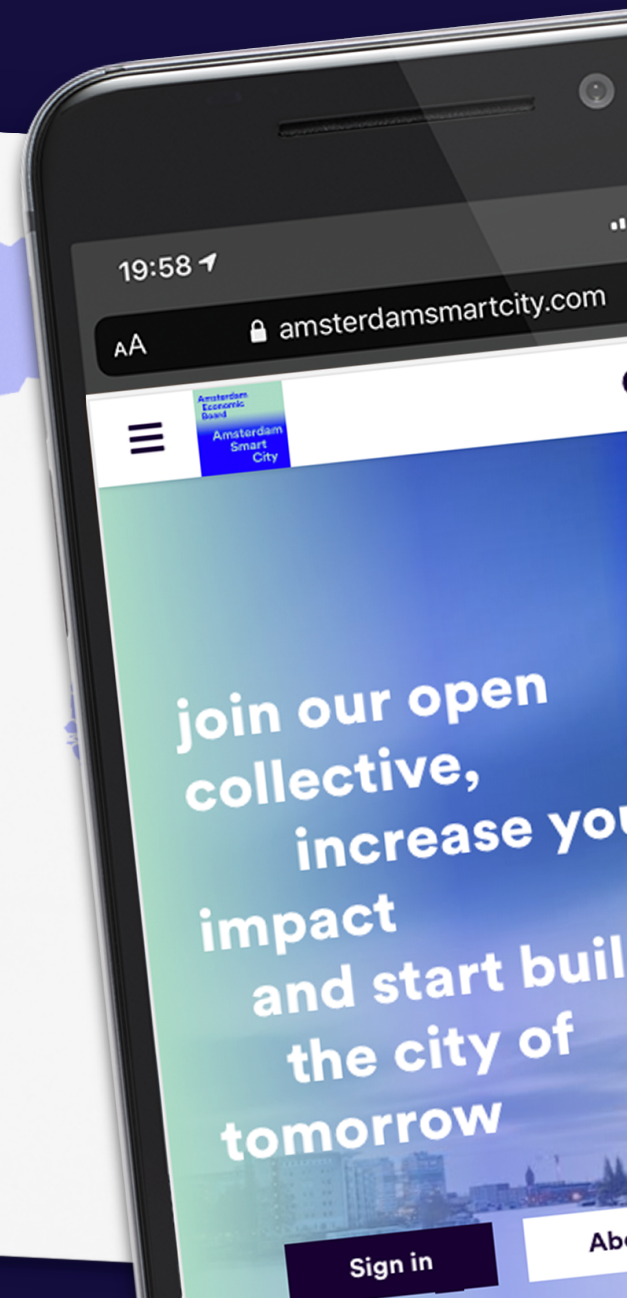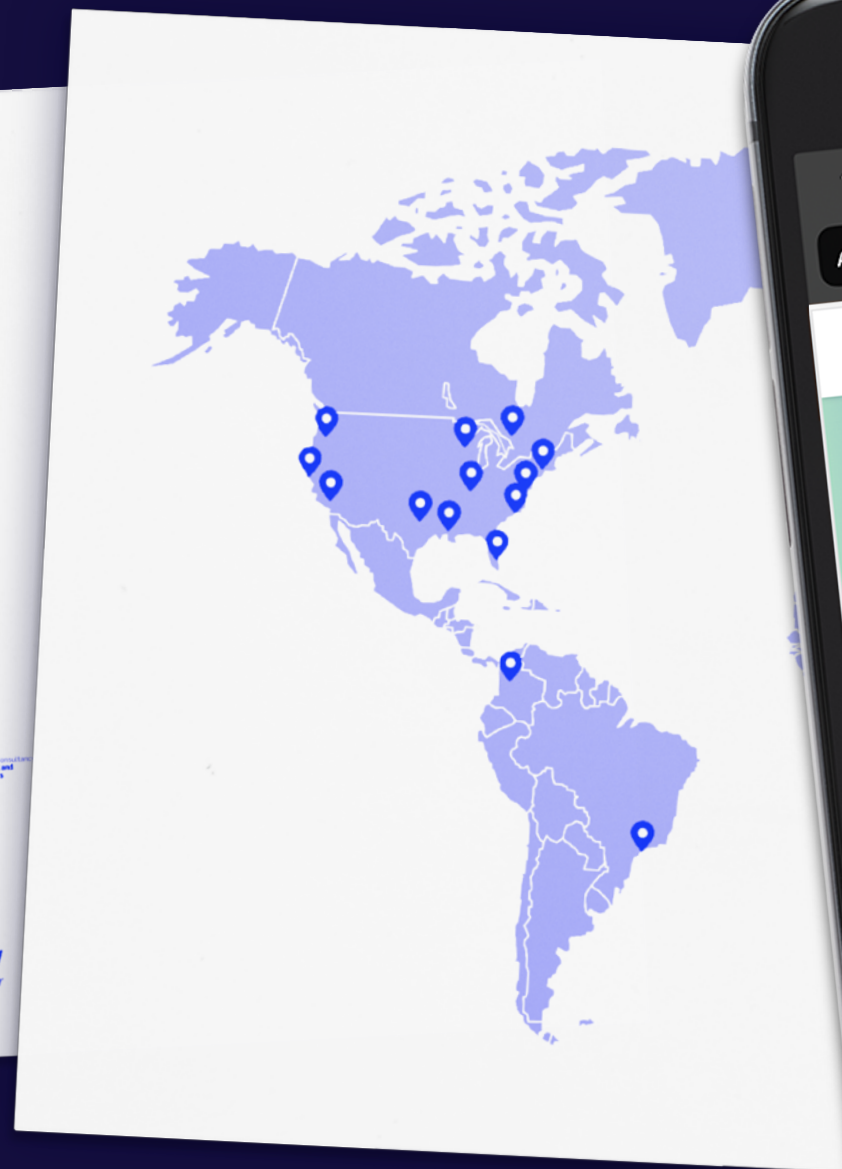and MSc in Urban &
Regional Planning

Energy & climate policy,
waste management,
mobility & urbanism
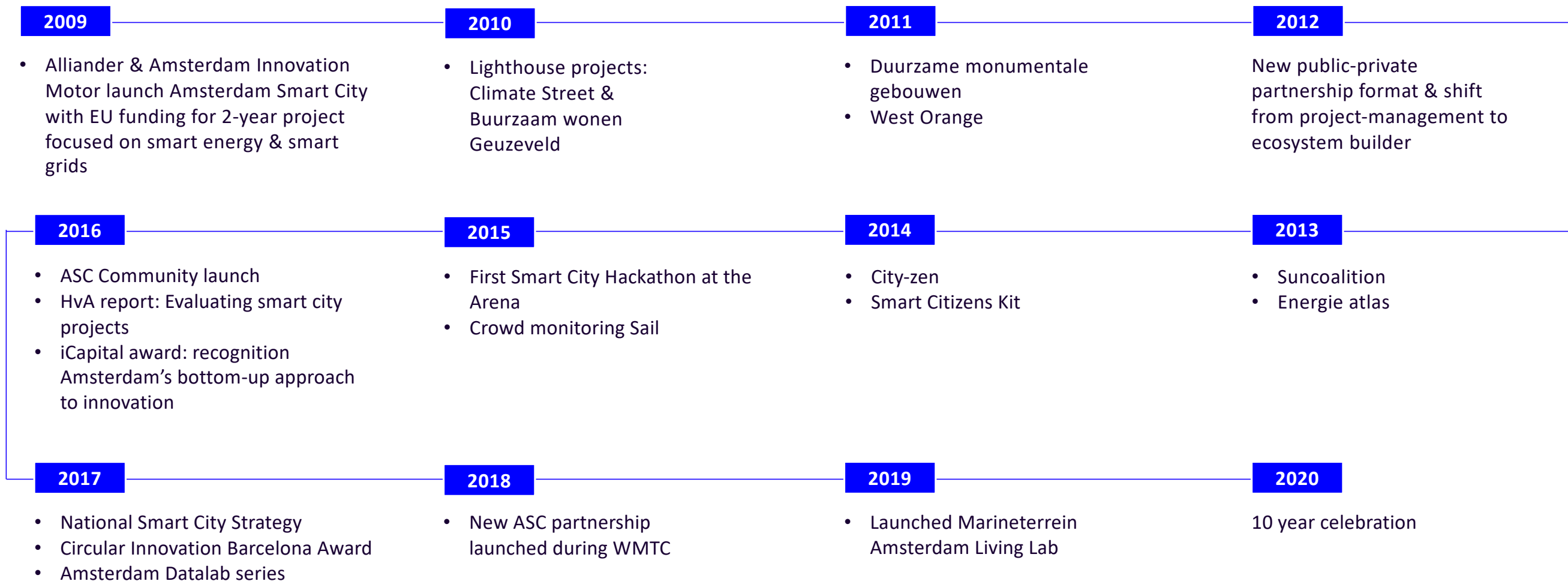projects in Canada and
Germany

Independent innovation platform that brings together innovative companies, knowledge institutions, public authorities and proactive citizens to shape the city of the future.

Amsterdam
Economic
Board

Amsterdam
Smart
City

Public-private partnership
connected with an international community

- 8,000+ members
- 300+ projects
- daily new contributions

11 years of Amsterdam Smart City

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Amsterdam Smart City

2009
- Alliander & Amsterdam Innovation Motor launch Amsterdam Smart City with EU funding for 2-year project focused on smart energy & smart grids

2010
- Lighthouse projects: Climate Street & Buurzaam wonen Geuzeveld

2011
- Duurzame monumentale gebouwen
- West Orange

2012
New public-private partnership format & shift from project-management to ecosystem builder

2016
- ASC Community launch
- HvA report: Evaluating smart city projects
- iCapital award: recognition Amsterdam's bottom-up approach to innovation

2015
- First Smart City Hackathon at the Arena
- Crowd monitoring Sail

2014
- City-zen
- Smart Citizens Kit

2013
- Suncoalition
- Energie atlas

2017
- National Smart City Strategy
- Circular Innovation Barcelona Award
- Amsterdam Datalab series

2018
- New ASC partnership launched during WMTC

2019
- Launched Marineterrein Amsterdam Living Lab

2020
10 year celebration

More information: https://issuu.com/amsterdamsmartcity/docs/smart_stories

Public-private partnership

Citizen engagement

Kennisland

PAKHUIS DE ZWIJGER*

waag
technology & society

NEMO

Corporates

ARCADIS | Design & Consultancy for natural and built assets

Royal HaskoningDHV
Enhancing Society Together

postnl

eurofiber

alliander

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Governments

Gemeente Amsterdam

Gemeente Haarlem

gemeente Haarlemmermeer

Provincie Noord-Holland

VRA Vervoerregio Amsterdam

Knowledge institutions

Hogeschool van Amsterdam

JOHAN CRUIJFF ARENA

METABOLIC

AMS
AMSTERDAM INSTITUTE FOR ADVANCED METROPOLITAN SOLUTIONS
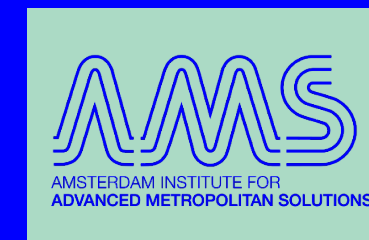
Energy
from fossils to clean, creating sustainable energy options for all

Digital
from closed to open, using tech for social value

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Amsterdam Smart City

Smart City approach to boost transitions

Circular Economy
from single use to restorative and regenerative use of resources

Mobility
from crowded and polluting to smart and sustainable mobility solutions

Citizen central

Open & transparent

Values

Public value

Learning by doing

Amsterdam Economic Board

Amsterdam Smart City

Amsterdam City Innovation Program: 2016

More information:
https://amsterdamsmartcity.com/projects/circular-innovation-program-dutch
https://amsterdamsmartcity.com/projects/circle-scan-amsterdam

Schoonschip

Metabolic, Alliander, Spectral, Waternet, Space & Matter, City of Amsterdam

Europe's most sustainable floating community in North Amsterdam for over 100 residents and a showcase of how to build and live sustainably.

"Experimenteerregeling" allows Schoonschip to develop their own private microgrid with only one central grid connection. Each house is equipped with local PV production, battery storage, solar collectors, thermal storage, a smart heat pump, and other smart-grid ready appliances.

More info:
- https://schoonschipamsterdam.org
- https://greenprint.schoonschipamsterdam.org
- https://spectral.energy/projects/
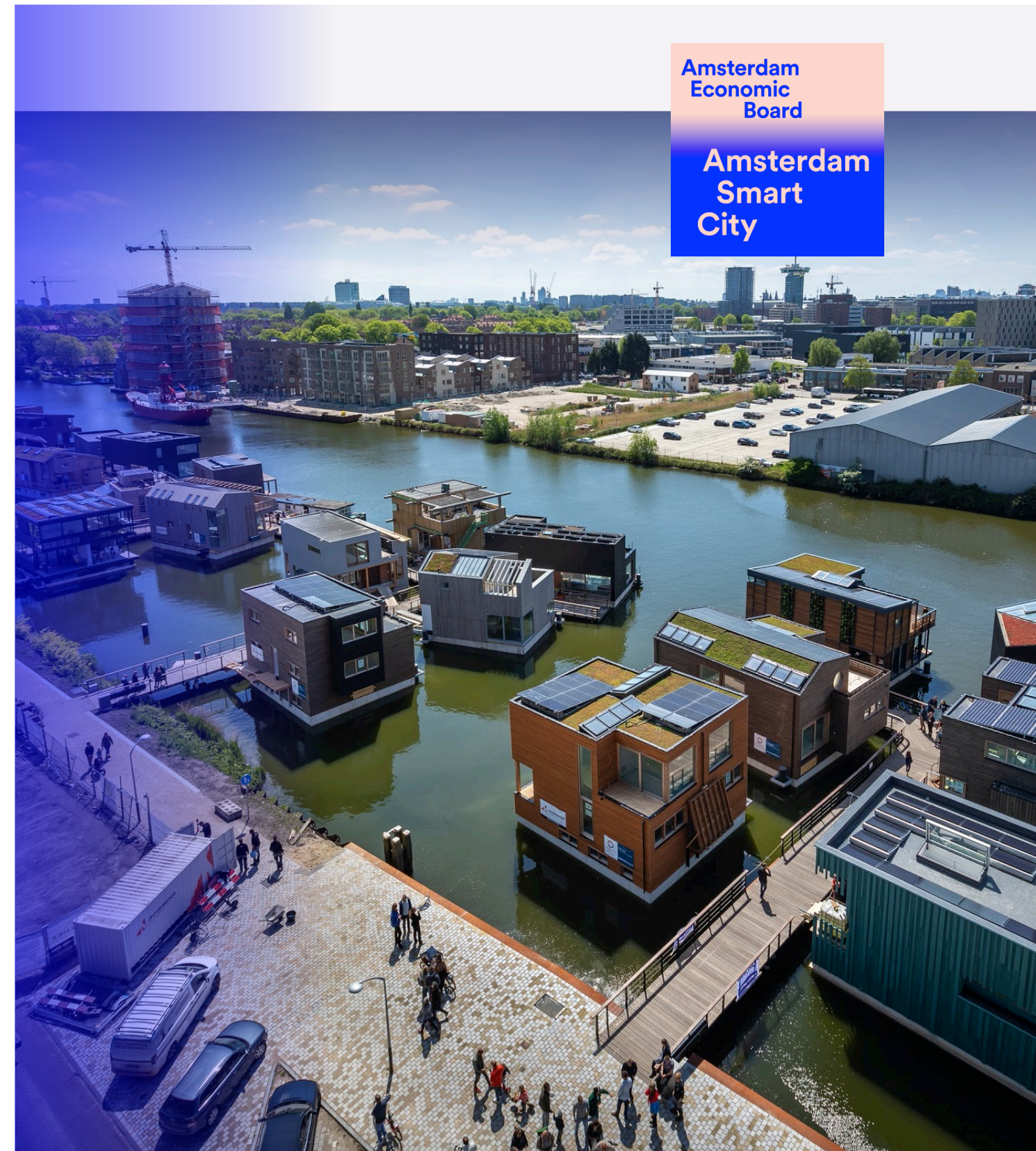
Startup in Residence

City of Amsterdam

Startup in Residence connects startups and scale-ups with key social challenges across Dutch municipalities, provinces and ministries.

Founded in Amsterdam in 2015, the programme invites both Dutch and international entrepreneurs to tackle these challenges in collaboration with the local government.

Mobility and Sustainability challenges currently open to international startups!

More info: https://startupinresidence.com

Amsterdam Circular Strategy 2020-2025

Food and organic residual flows
- Short food chains provide a robust sustainable food system
- Healthy and sustainable food for the people of Amsterdam
- High-quality processing of organic waste streams

Consumer goods
- The Municipality sets the right example by reducing its consumption
- Using what we have more wisely
- Amsterdam makes the most of discarded products

Built environment
- The transition to circular development requires a joint effort
- The Municipality sets the right example by formulating circular criteria
- A circular approach to the existing city

More information:
https://www.amsterdam.nl/en/policy/sustainability/circular-economy/

Amsterdam City Donoughut & Circular Monitor

Circular Amsterdam on Amsterdam Smart City

Thank you!
Want to join the movement?
www.amsterdamsmartcity.com

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