Living Labs
Oxfordshire Growth Board
October 2017

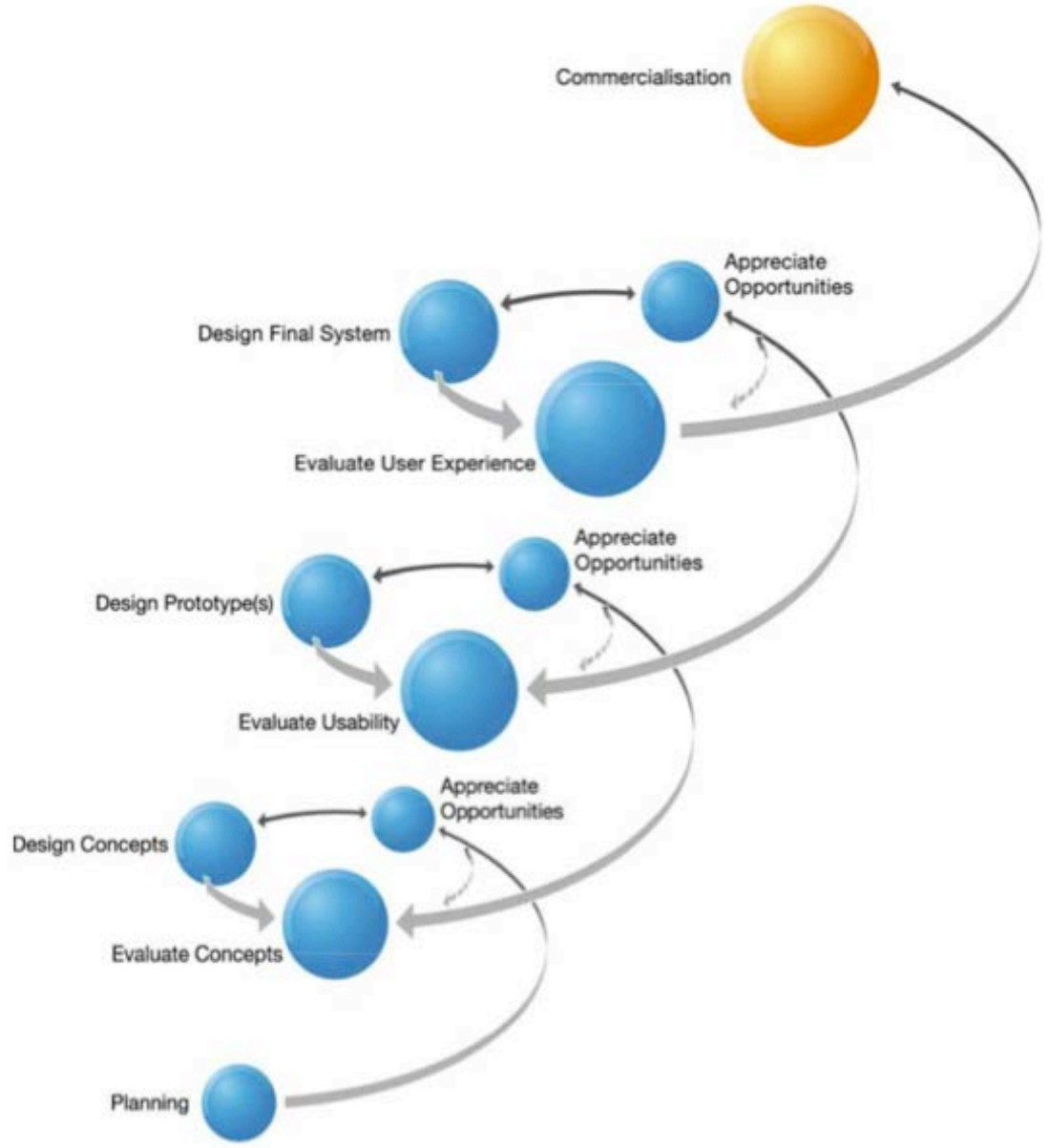
European Network of Living Labs

What is a Living Lab?

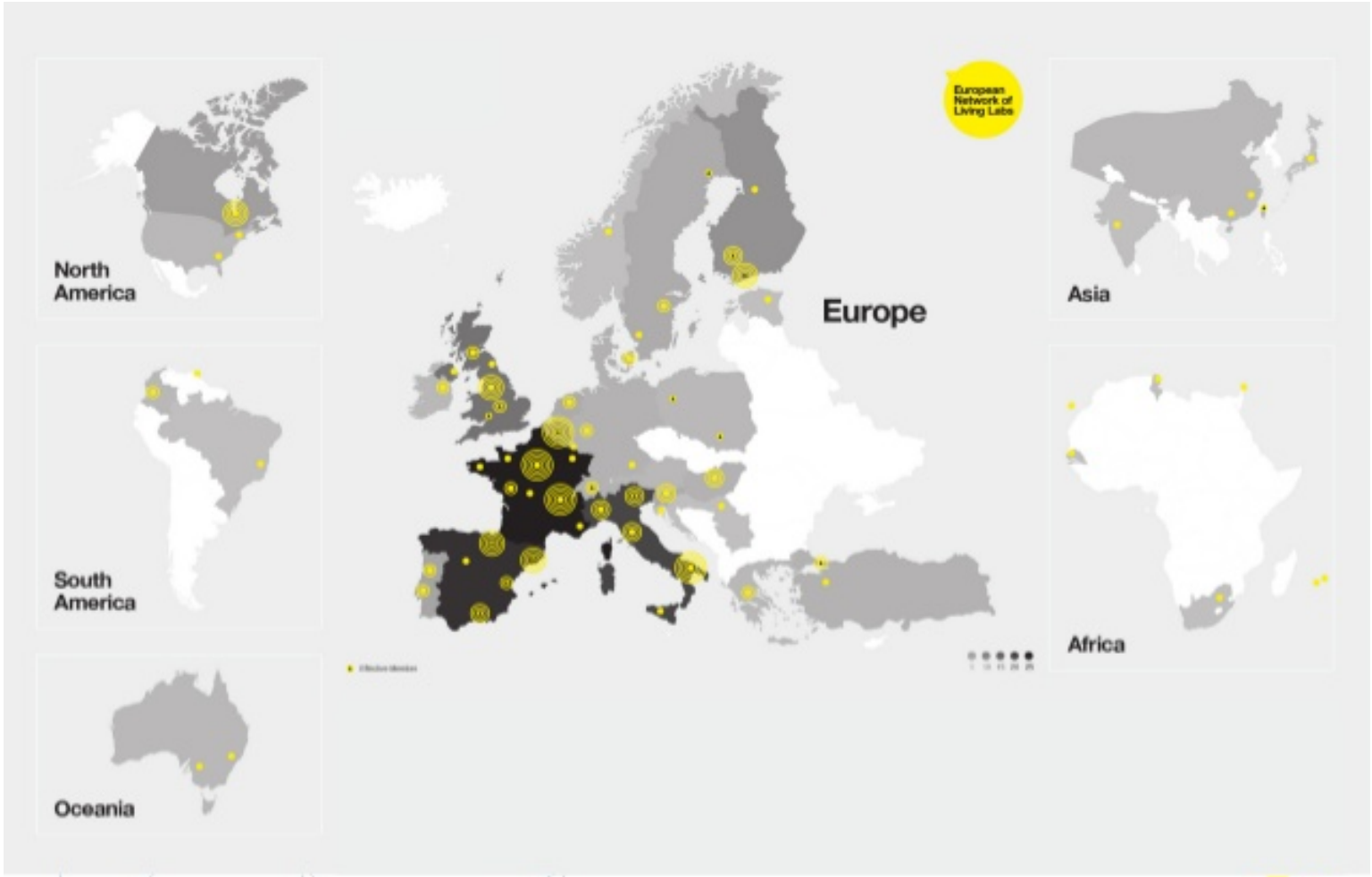
A Living Lab is a user-centric innovation environment, built on realistic activities and research where all relevant partners are involved in open processes, with objective to generate sustainable values for LL partners and stake-holders.

Living Lab allows prototyping process from concept to commercialisation or full scale application to be sped up – providing market advantage to industry.

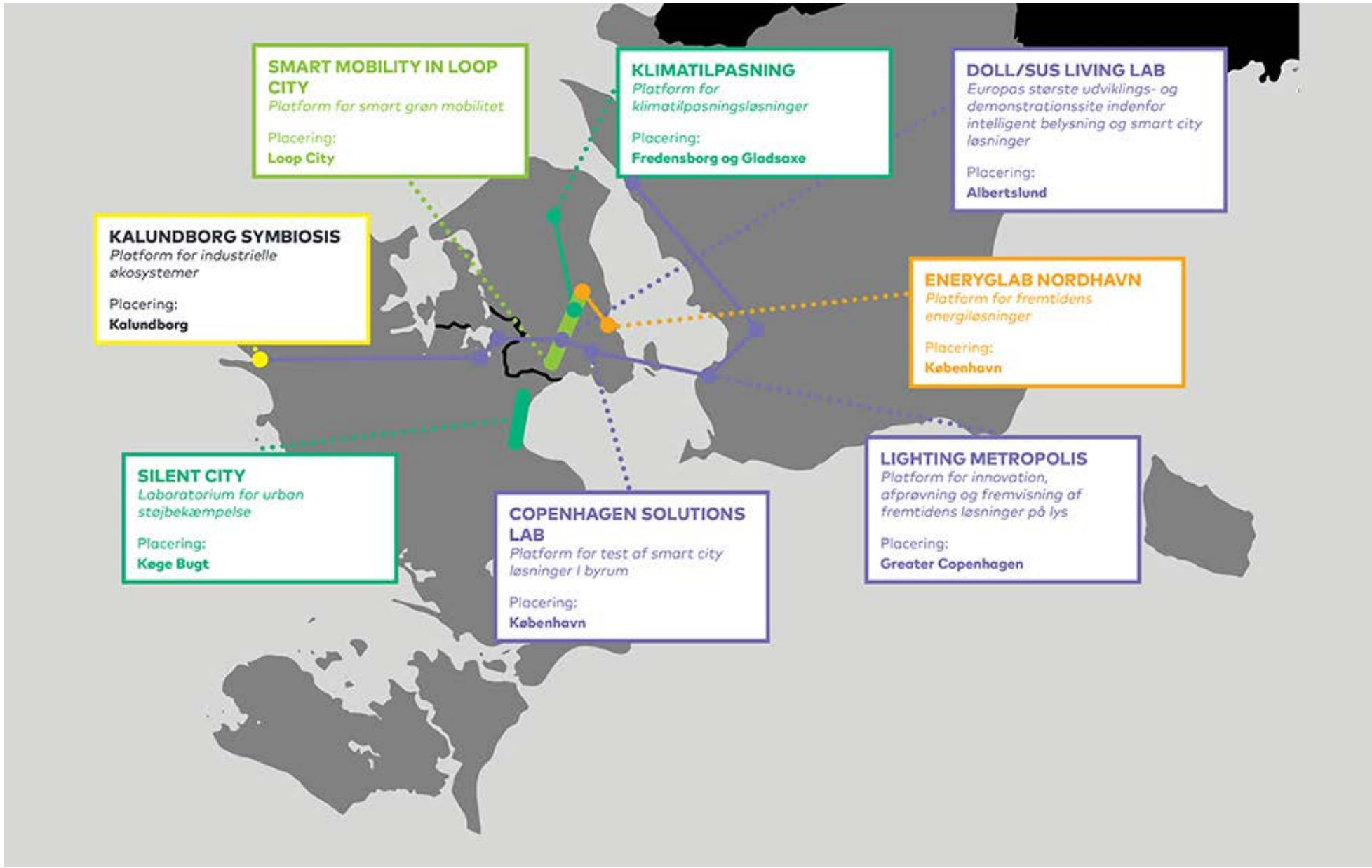
Many also focus on real world problems – so in turn look to solve Place challenges with opportunity for reduced public sector spend through partnership approach



What are other countries doing



Copenhagen a European leader



DOLL Copenhagen

Oxfordshire – a Place of prolific innovation

Oxford University, the most prolific University innovator in Europe, the City and County is a vibrant centre of innovation.
One of the fastest growing Places in the UK, though, brings its own challenges.

So it's our regional innovation strategy to prioritise embedding innovations in the "Place" - a test-bed for innovation that can be shared with the broader world.

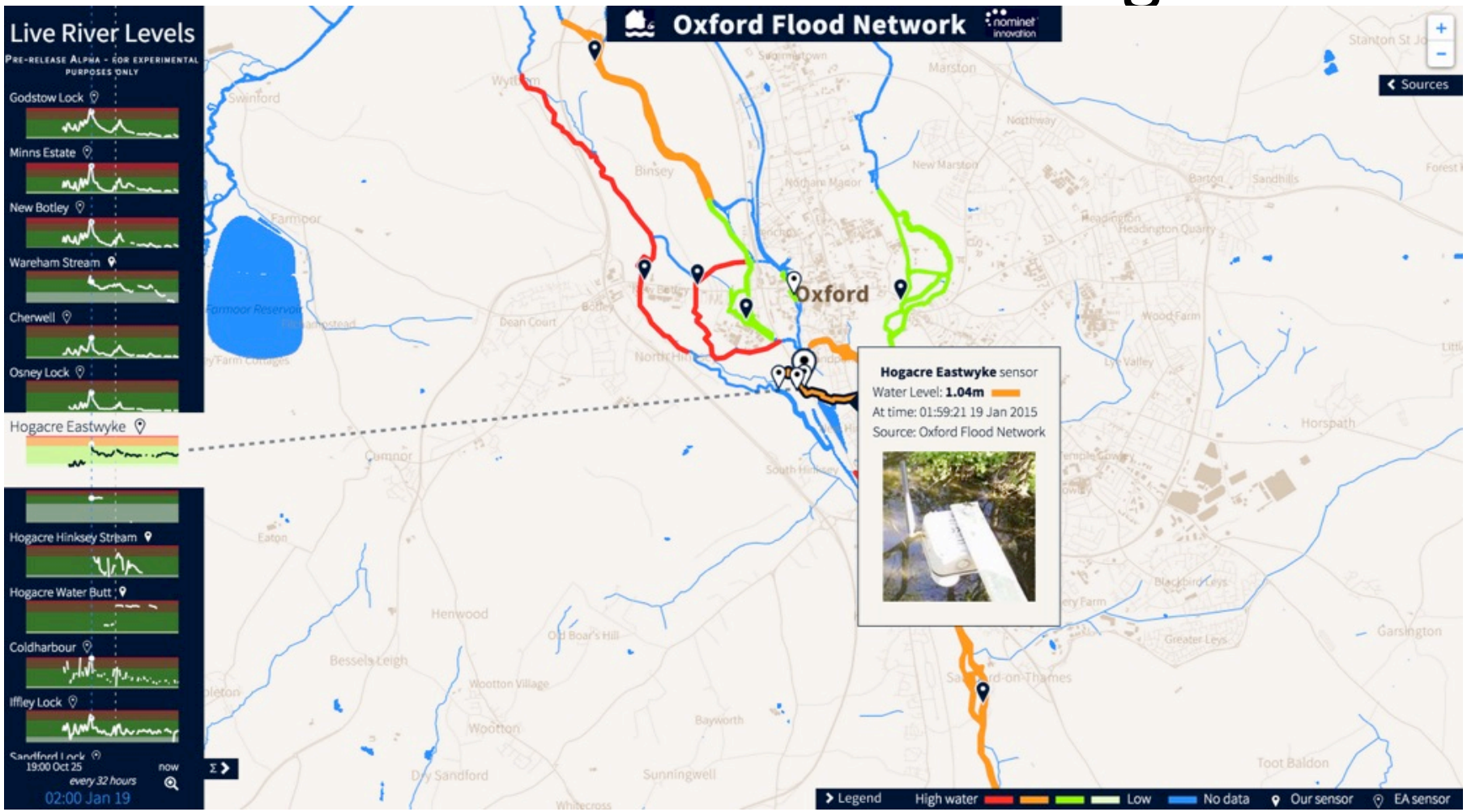
In 2016-17 Smart Oxford partners initiated significant developments to address our societal challenges in key areas like:

- **Transportation and Smart Cities**
- **Health and Wellness**
- **Environment**

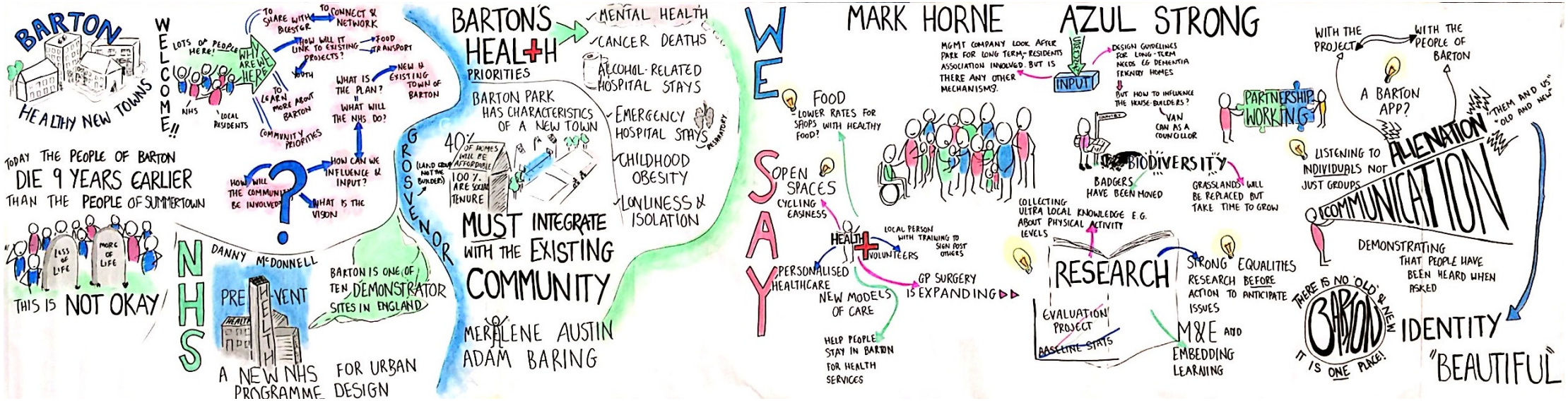
Living Lab research in Oxfordshire

We are already doing a lot of Living Lab work in Oxfordshire

Smart Cities and the Internet of Things



Healthy New Towns



GULO – EV on street Charging – Real world testing

Simple Socket & Smart Cable - Lamp Column Charging Point

eHome Charger & Cable Gully

Smartscape - Charging Bollard

ePost - Charging Bollard

Chago Station - Charging Bollard

Opticharge - Lamp Column Charging Point

Autonomous Vehicles - Culham

Digital Twin

Workshops

Tracks

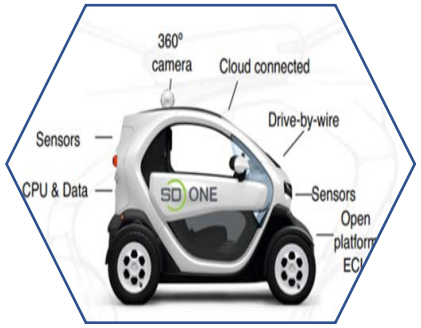
Tracker

Vehicle Safety tracking

Security

IT

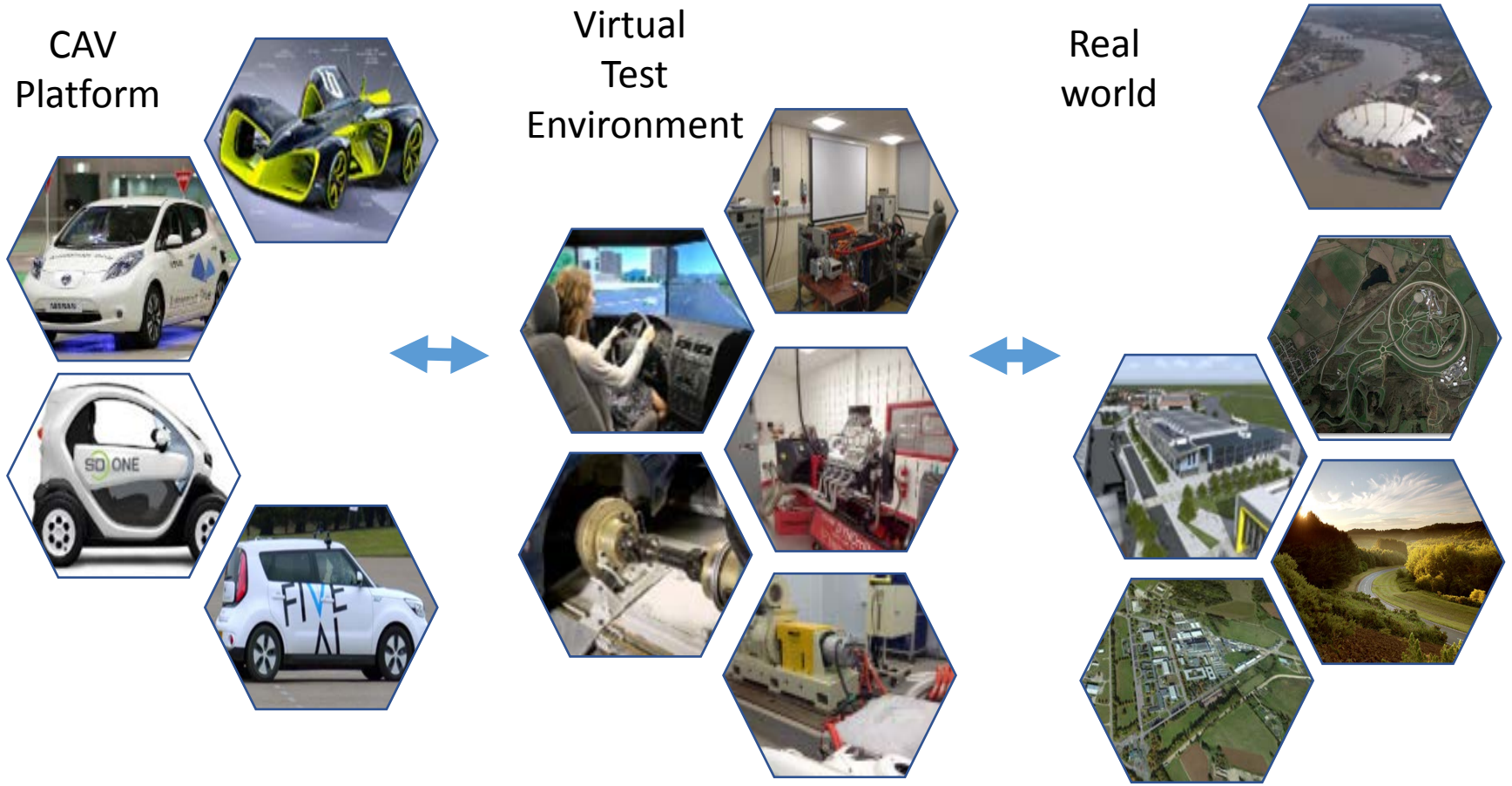
& operational infrastructure



Vehicle & ADAS

Our investments..

AV – UK;Real World Test Environments: Oxfordshire is now a lead.

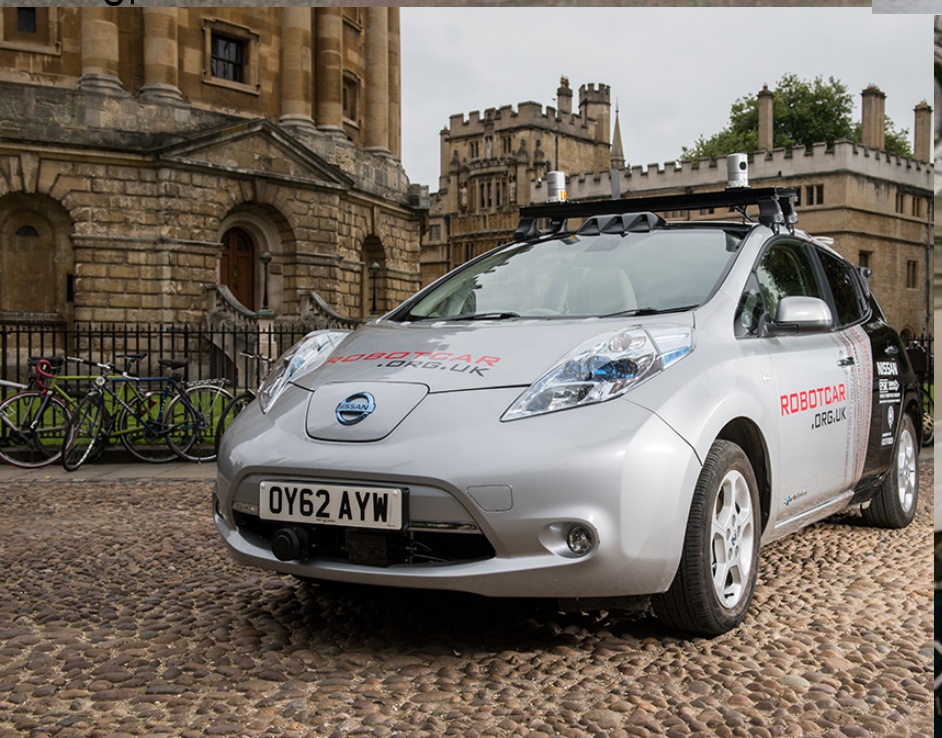


Our digital twin..

DRIVEN – Video link

https://youtu.be/RUsARajUnno

Royal Mail
ARRIVAL
EBZ 5155
ER


ROBOTCAR
.ORG.UK
OY62 AYW

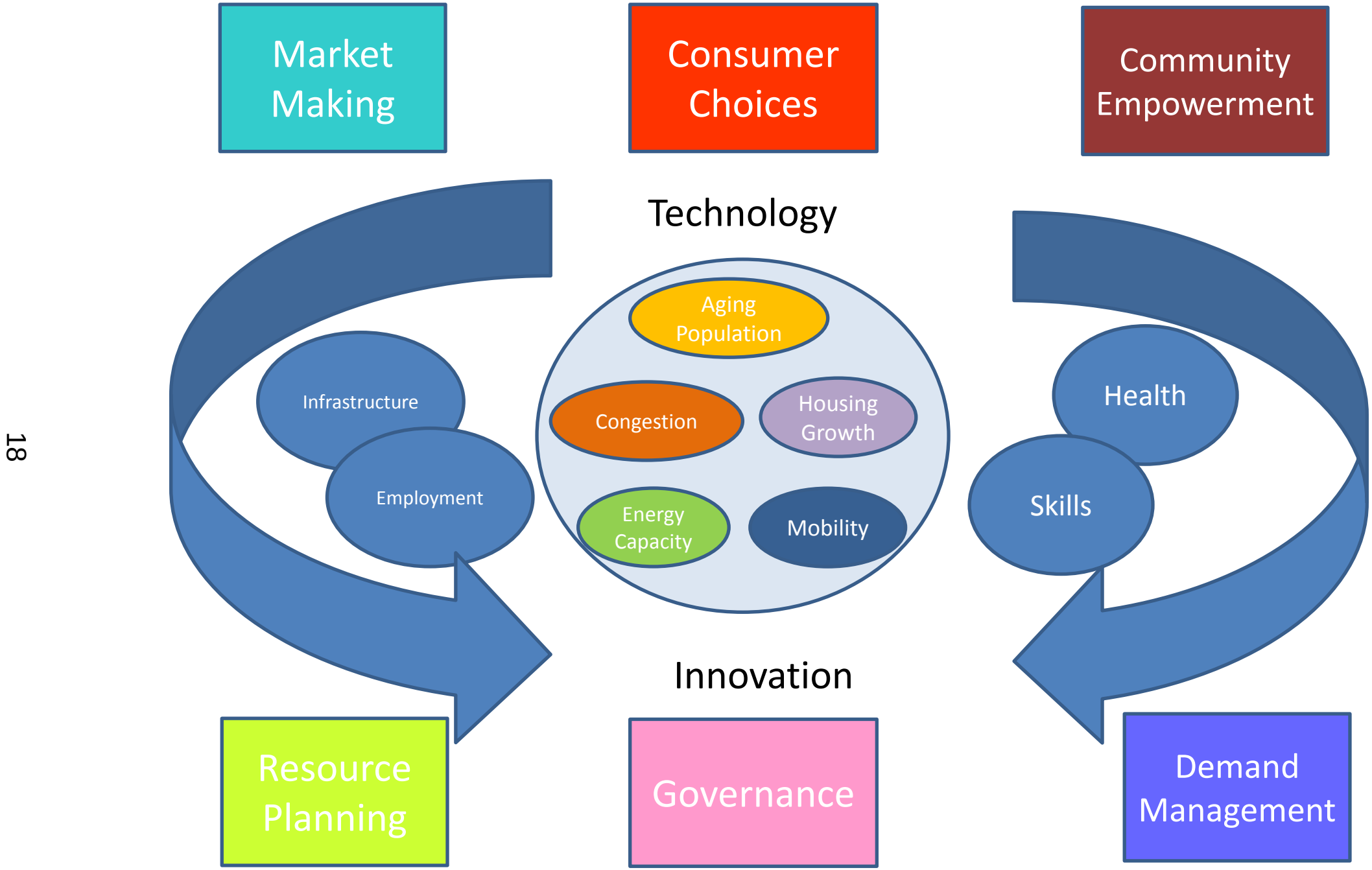
DRIVEN
NOMINET
OXFORDSHIRE COUNTY COUNCIL
Westbourne
RACE
Telefónica
TRL
UNIVERSITY OF OXFORD

A lot of activities supported by Smart Oxford Partners – Smart Oxford brings cross sector opportunities – scope to increase those opportunities

Opportunities for Oxfordshire

- **The conclusion Science and Innovation Audit (SIA) is that Oxfordshire is playing a world leading role in developing four transformative technologies – Digital Health, Space Led Applications, Quantum Computing and Autonomous Vehicles.**

- By continuing to lead in these technologies, the report, commissioned by the Oxfordshire Transformative Technologies Alliance, suggests that Oxfordshire could be contributing £180bn to the UK economy by 2030. It also concluded that, to maximise this opportunity, investment in living labs and pilots is required to develop and prove the value and utility of these exciting technologies.


Market Making
Consumer Choices
Community Empowerment
Technology
Aging Population
Infrastructure
Employment
Congestion
Housing Growth
Energy Capacity
Mobility
Health
Skills
Innovation
Resource Planning
Governance
Demand Management

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