

Reflections of Spain and the IURC Programme



Tony Moore, Principal Advisor Climate Resilience, CCC
Jane Morgan, Team Leader Coastal Hazards Team, CCC
Julianne Hughey, City Initiatives Lead, Smart Christchurch, CCC
Simon Anderson, Regional Growth Manager, Christchurch NZ

Greater Christchurch Delegation:

Tony Moore
Jane Morgan
Julianne Hughey
Simon Anderson
Paul Dalziel

What we offered:

- Resilience experience
- Community engagement
- Tactical urbanism
- Food systems
- Smart cities
- Innovation ecosystems

What we were looking for:

- Lasting & impactful relationships
- Innovation & business exchanges
- Sustainable transport
- Green infrastructure
- Climate action





INTERNATIONAL URBAN AND REGIONAL COOPERATION



Global collaboration
event, Brussels 2022



Covid Recovery – Build Back Better

Make it green



Make it digital



Make it Equal



Make it Healthy



Make it Strong



MAKE IT REAL

807 billion euros

www.next-generation-eu.europa.eu/index_en

EU Research Programmes



85 million euros

www.new-european-bauhaus.europa.eu/index_en



95 billion euros

www.euraxess.ec.europa.eu/worldwide/australia-nz/horizon-europe-australia-new-zealand

EU Communities of Practice



www.netzerocities.eu



www.climate-kic.org



www.civitas.eu

SUSTAINABLE DEVELOPMENT GOALS



www.urbanagendaplatform.org

NEW URBAN AGENDA

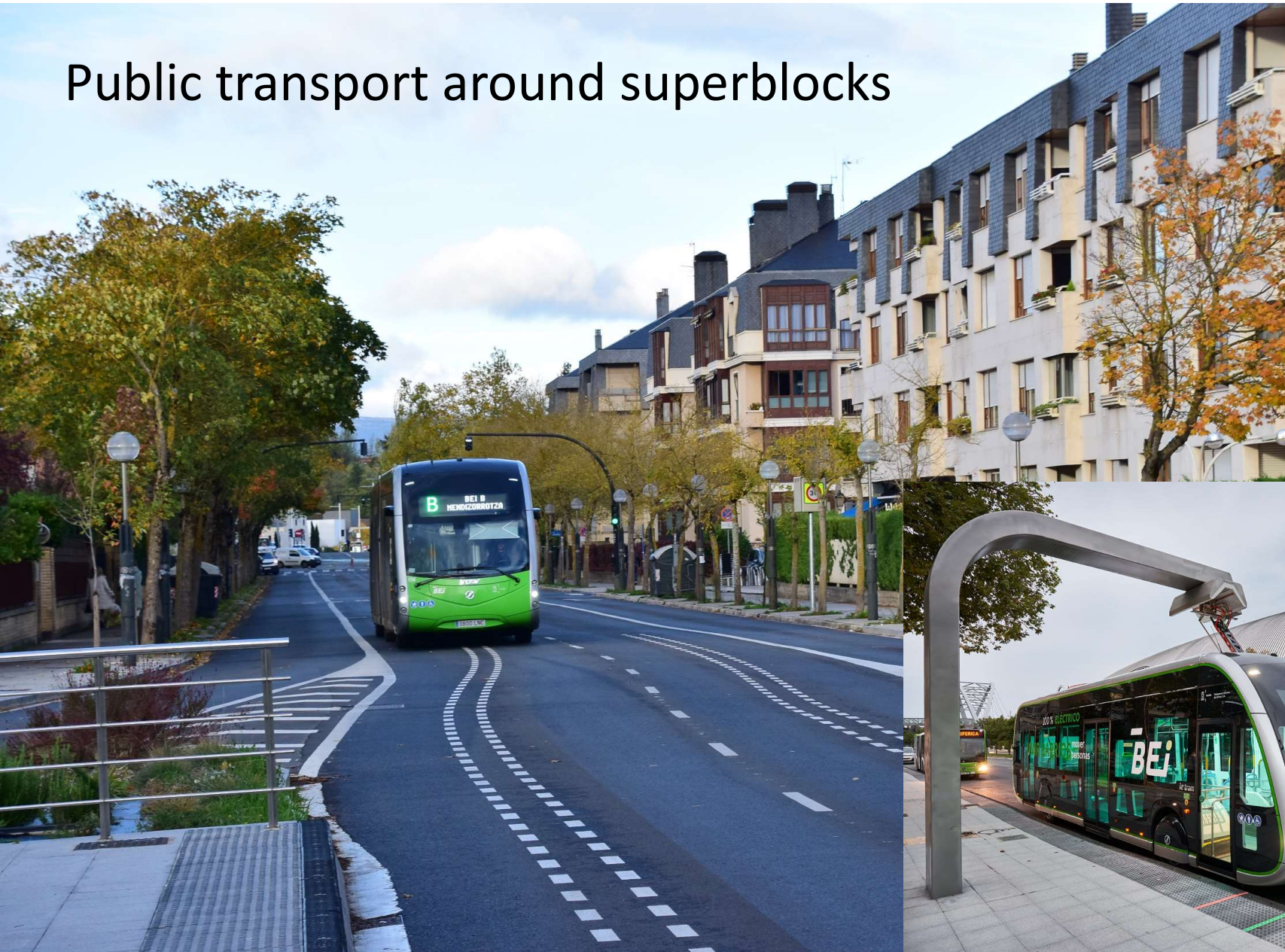




Vitoria-Gasteiz – pop 250,000



Public transport around superblocks





before



Greenbelt restoration and water sensitive design



after





Malaga – pop 570,000

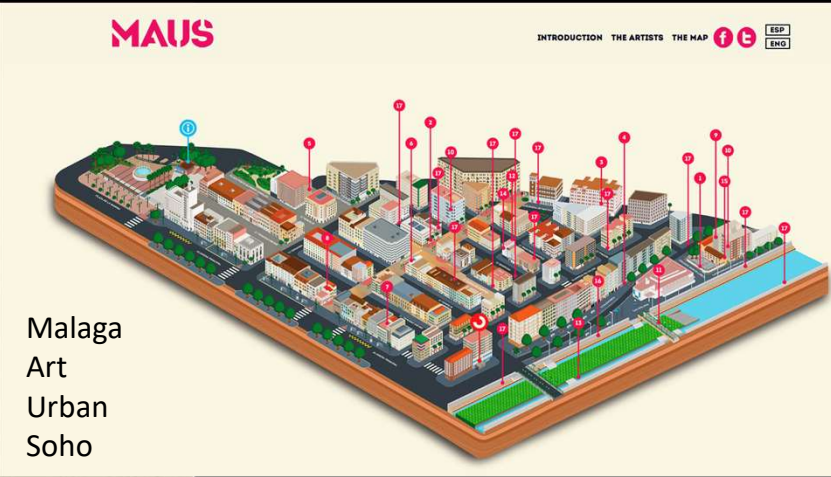


2002

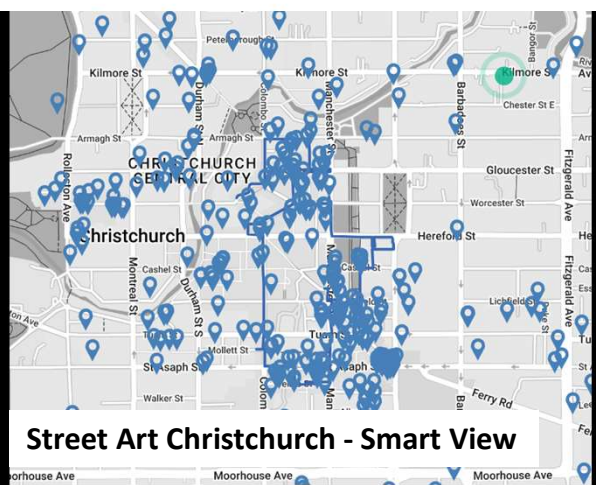
Tactical urbanism and regeneration



Think
What is your desire
Love what you do
Go find it



Malaga
Art
Urban
Soho



Street Art Christchurch - Smart View

Coastal Hazards Adaptation

Jane Morgan, Team Leader Adaptation Planning

www.ccc.govt.nz/adapting-to-coastal-hazards

Malaga



Barcelona



How will sea level rise (SLR) impact Ōtautahi Christchurch?

- 10cm SLR since 1986

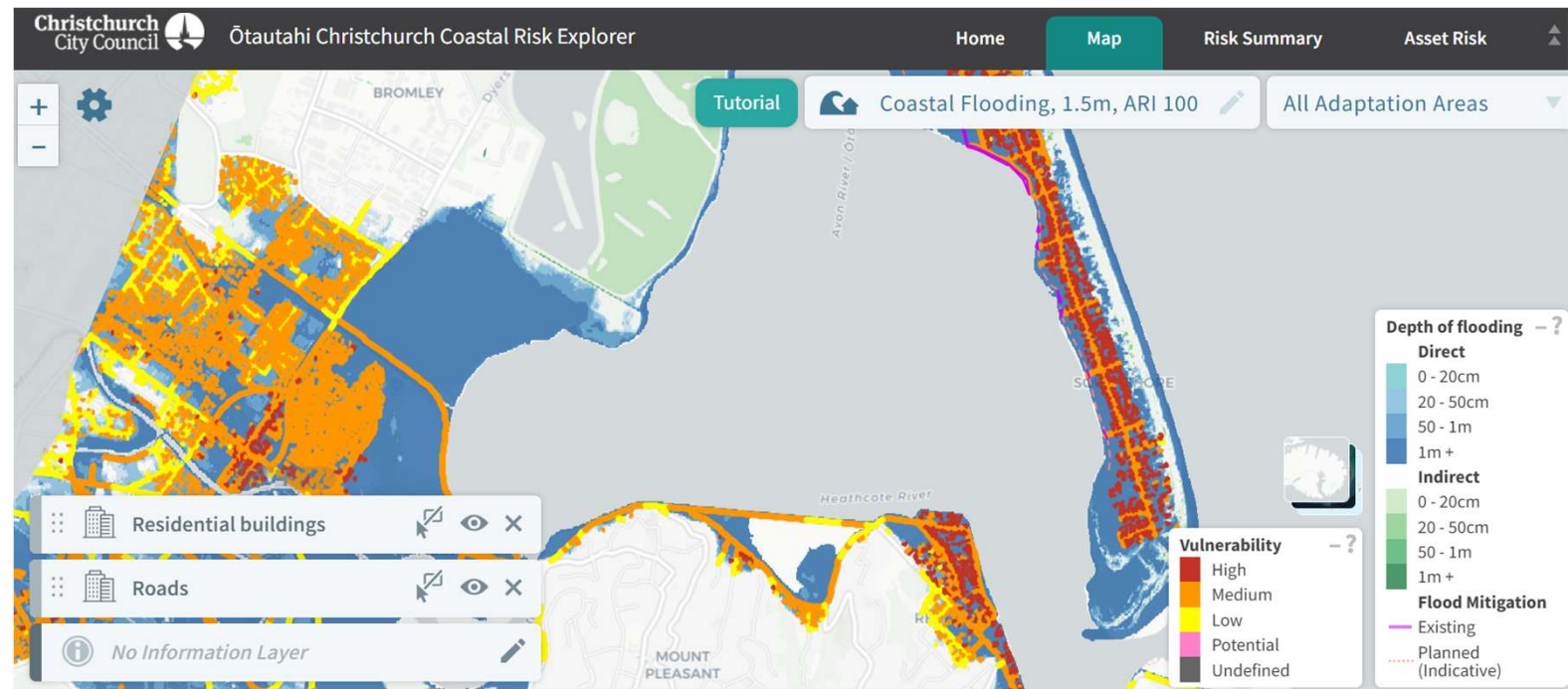
From 2020

- +14-23cm of SLR by 2050
- +38cm-1m by 2100
- Almost 400km of coastline
- 32,700 properties with LIMs (coastal flooding and/or erosion) – updated in late 2022
 - 16% of addresses have coastal hazards on LIMs, 38% have flood risk, 9% slope hazard)
- Estimated \$1B LG infrastructure exposed to coastal hazards



Ōtautahi Christchurch Risk Explorer (REX)

- REX layers assets (built, natural and social) over hazards and assesses how vulnerable those assets are.
- Includes river flooding, coastal flooding, coastal erosion and rising groundwater modelling.
- Vulnerability assumptions from academic research are tested with asset owners / experts.



Smart City Innovation Ecosystem & Economic Development opportunities

Julianne Hughey, Smart Christchurch
Simon Anderson, ChristchurchNZ

Smart Christchurch Programme

Purpose:

To trial technology and approaches that accelerate Christchurch becoming a city of opportunity for all – a city where anything is possible

Vision:

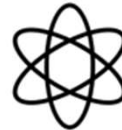
To promote Christchurch as an exemplar open and connected city, showcasing solutions that make life better and are replicated by others



Open data,
open platform,
open city



Aggregating and
visualising
real-time data



Leveraging the
collective genius
around us



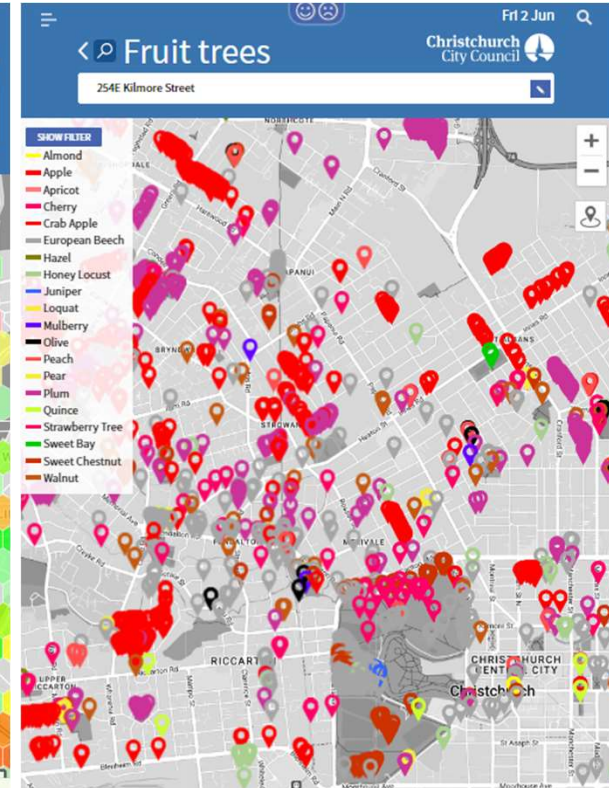
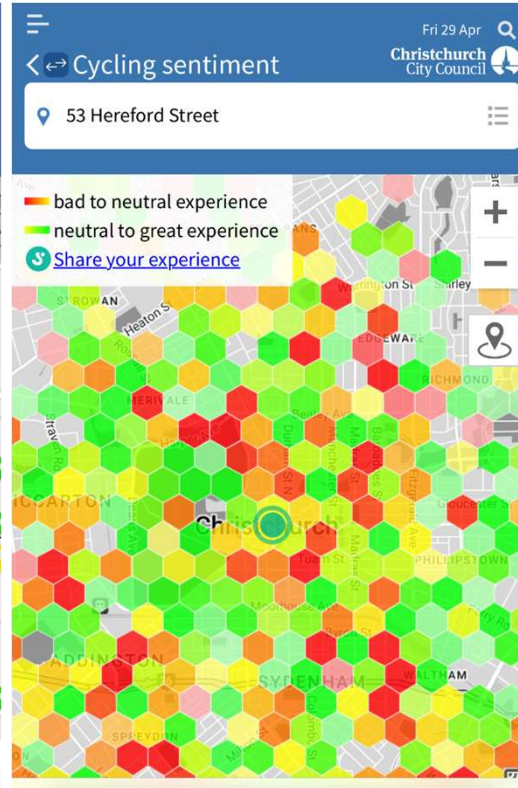
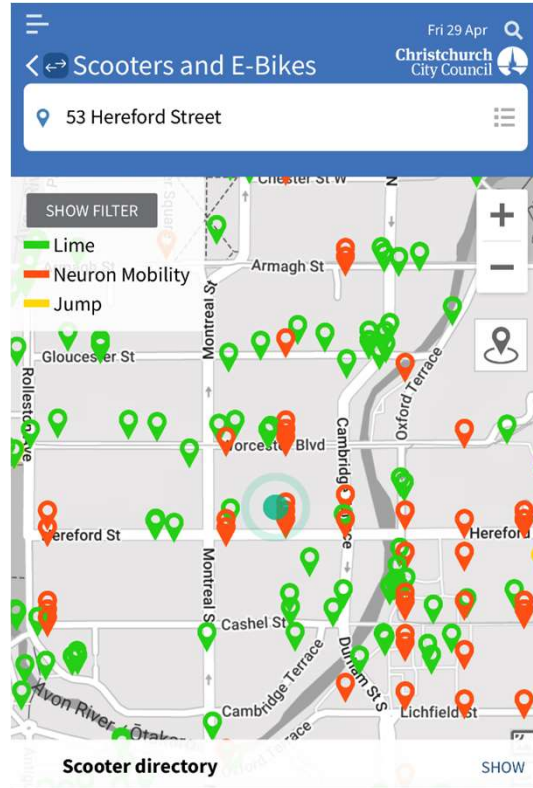
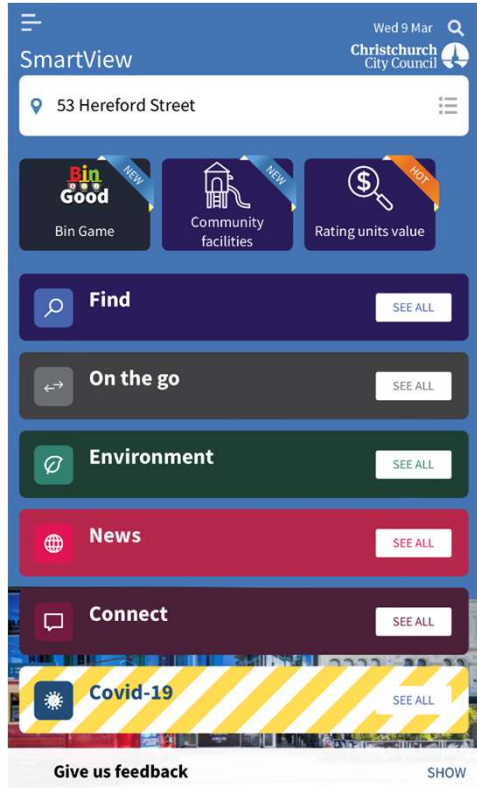
Removing
barriers
to access



Inspiring
fresh
thinking

share.
connect.
innovate.

City Data Visualisation



share.
connect.
innovate.

Web app <https://smartview.ccc.govt.nz/>

Our transport emissions



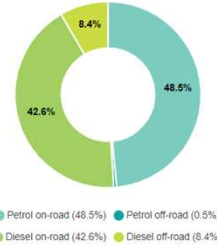
Christchurch
City Council

Reducing transport emissions is essential to achieve our district's 2030 greenhouse gas emission target. Transport accounts for 53.5% of our total emissions, with 36% of our total emissions coming from on-road and off-road petrol and diesel use.



Mar 2023
97,076 tonnes CO₂-e

On-road petrol and diesel use is from on-road vehicles. Off-road petrol and diesel use is from the movement of machinery and vehicles off-roads e.g. within agriculture, construction and industry.



Home >

Our transport emissions

Stationary energy emissions >

Get on the bus
Find out how our bus patronage is trending >

We like to bike
Find out how many people are biking >

Going pure electric
Find out how many battery electric vehicles are on our roads >

Traffic volume
Find out how our city bound traffic count is trending >

Find out how many people are biking We like to bike



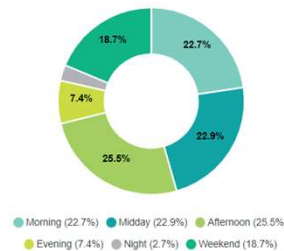
Christchurch
City Council

With our cycleways linking people to the central city and other parts of the city there's never been a better time to jump on your bike and explore everything Ōtautahi-Christchurch has to offer. The cycleways make it safe and easy to get around. Check out the trend of the first nine counters which have been counting bike numbers since July 2016.



May 2023
102,998 bike trips

Our counters at a number of sites across the city show us what time of the day and night people are hopping on their bikes.



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Christchurch City Council Green House Gas Emissions Tracker

- Key community emission sources
- Key actions that reduce emissions

<https://smartview.ccc.govt.nz/apps/emissions/>

Collaboration – Innovation Ecosystems



Smart Christchurch
Innovation Expo September
10th – 11th

Greencities & S-Moving
Malaga
September 20th – 21st

share.
connect.
innovate.



Málaga TechPark;

Parque Tecnológico
de Andalucía

**THE CHOICE OF
GLOBAL COMPANIES**
www.pta.es



WE WORK TO OBTAIN A MORE
ACCESSIBLE AND SUSTAINABLE PARK
WITH IMPROVED MOBILITY



OBJETIVOS DE DESARROLLO
SOSTENIBLE

AN INNOVATIVE ECOSYSTEM
FOR KNOWLEDGE AND TALENT

647
COMPANIES

21757
PROFESSIONALS

36
RESEARCH AND
TECHNOLOGY CENTRES

37%
TOTAL EXPENDITURE
IN R+D IN EUSKADI

56%
POSTGRADUATES

3
BUSINESS
INCUBATORS

6480
MILLION EURO
TURNOVER

9%
DOCTORES/AS

3
UNIVERSITIES AND
TRAINING AGENCIES

121
PATENTS REQUESTED IN 2022

18%
UNDER 30 YEARS OF AGE

12
BUSINESS ASSOCIATIONS
AND CLUSTERS



<https://parke.eus/en/>





Barcelona Catalonia

Creating the conditions for social and economics progress

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AREA: **BARCELONA**

22@ Barcelona Innovation District



Navegació

Information

Investment opportunities

Location map

Related news

Other projects

 Request more information



GLOBAL
STARTUP**CITIES**





What are the global problems the initiative is seeking to solve?

Effective Tech commercialisation support design is new

Investment landscape changes every week

Convergence of tech makes long-term planning impossible

Scale-up facility needs change every week



What are we doing about it?

Collaborating and sharing best practice

Collaborating and sharing research and insight

Co-designing open-source global templates

Managing projects – CHC is leading investment seed/pre-seed



Muchas Gracias Vitoria-Gasteiz



Muchas Gracias Malaga