Smart Glasgow

Bringing people, data and technology together

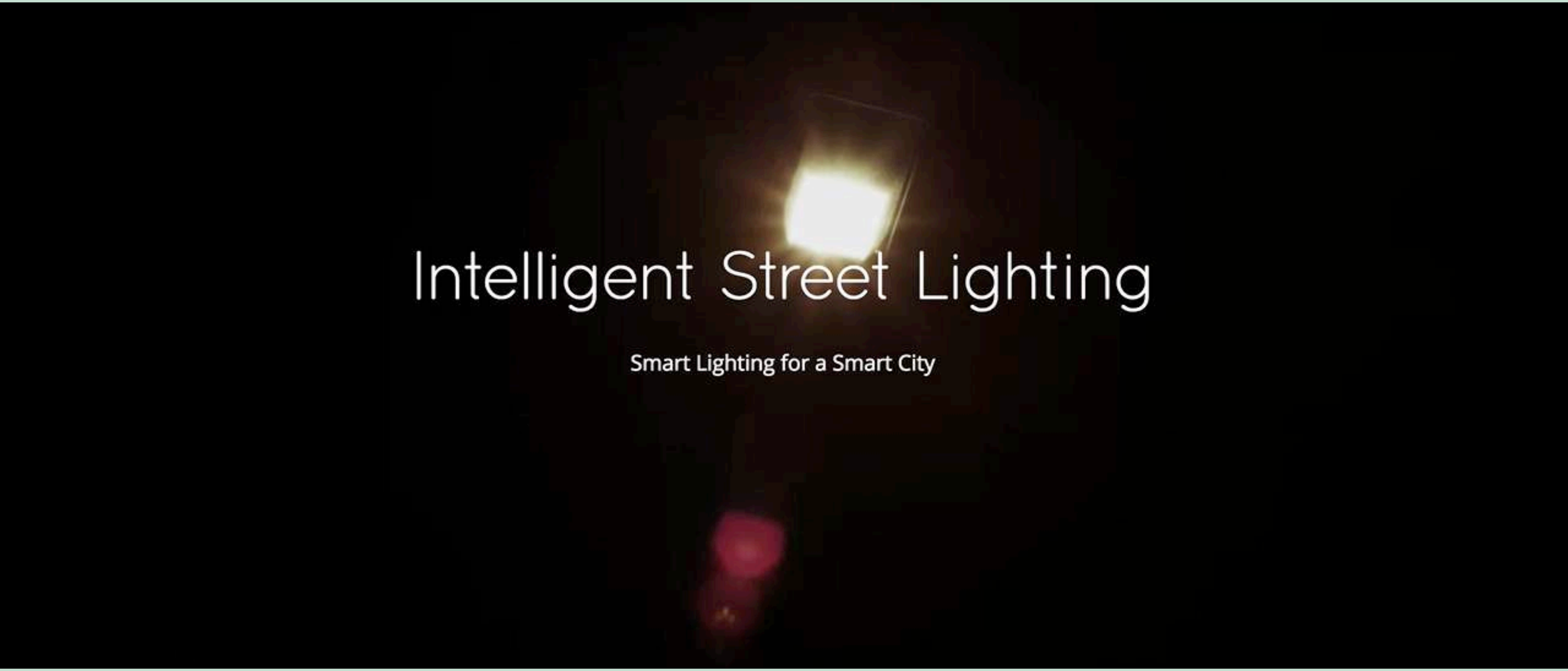
Simon Tricker - Co founder & CDO

Future City Glasgow

Innovate UK's £24m Demonstrator City

Future City Glasgow - Innovate UK's £24m Demonstrator City

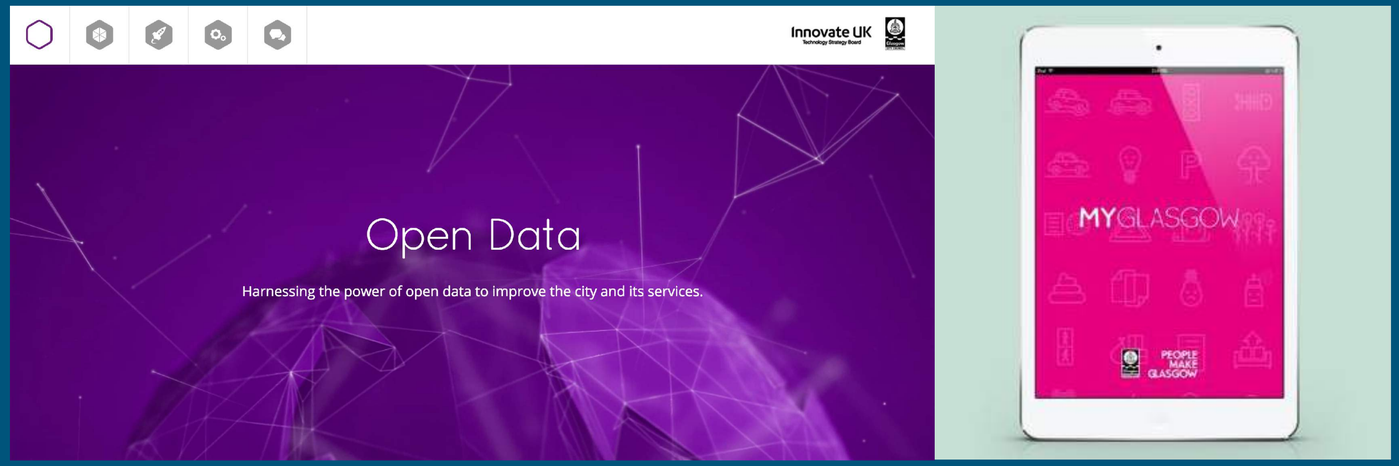
Future City Glasgow - Innovate UK's £24m Demonstrator City

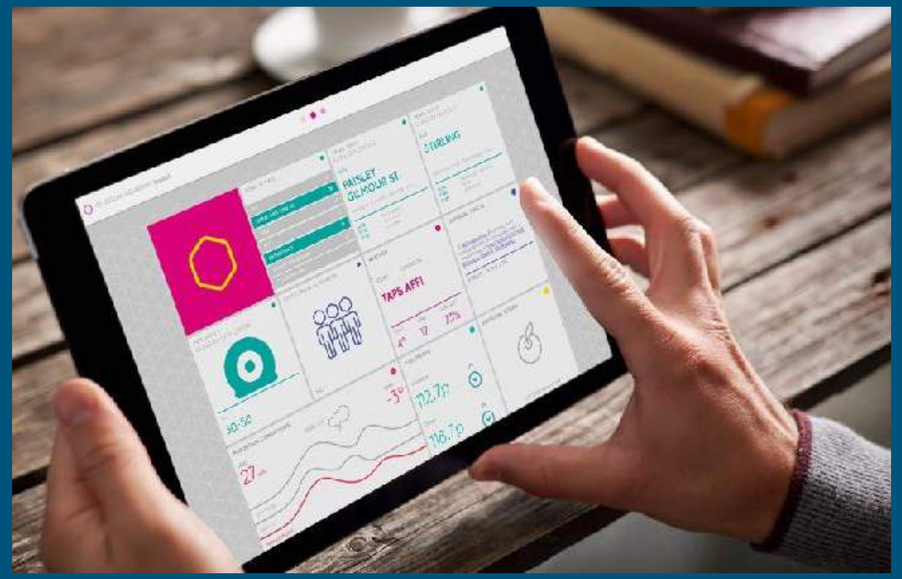


futurecity.glasgow.gov.uk

Future City Glasgow - Innovate UK's £24m Demonstrator City

Innovate UK
Technology Strategy Board





Make Scotland Smart

Smart Cities: Maturity Model Toolkit

Strategic Intent | Data | Technology | Governance & Service Delivery | Citizen & Business Engagement

The Scottish Government
Riaghaltas na h-Alba

Llywodraeth Cymru
Welsh Government

scottishcitiesalliance
Aberdeen • Dundee • Edinburgh • Glasgow • Inverness • Perth • Stirling

EDINBVRGH
THE CITY OF EDINBURGH COUNCIL

Glasgow
CITY COUNCIL

Dundee
City Council

ABERDEEN
CITY COUNCIL

The Highland Council
Comhairle na Gàidhealtachd

PERTH & KINROSS
COUNCIL

Stirling
Council

Renfrewshire
Council

Neath Port Talbot County Borough
Bwrdeistref Sirol Castell-nedd Port Talbot

The City of
Newcastle

Optimised — 5

City Mgt Status: **Sustainable and Open 'System of Systems'**
Smart City Status: **Continuously adaptive city-wide 'smart' deployment**
Outcome: **City-wide open 'system of systems' approach drives innovation that enhances city competitiveness**

Managed — 4

City Mgt Status: **Managed System**
Smart City Status: **Technology and data enabled dynamic sense and response systems**
Outcome: **Improved prediction, prevention and real-time response delivers improved outcomes**

Repeatable — 3

City Mgt Status: **System Integration**
Smart City Status: **Strategy led and outcome driven, enabled by system wide technology investment**
Outcome: **Shared accountability for outcomes and joint system-wide investment programme**

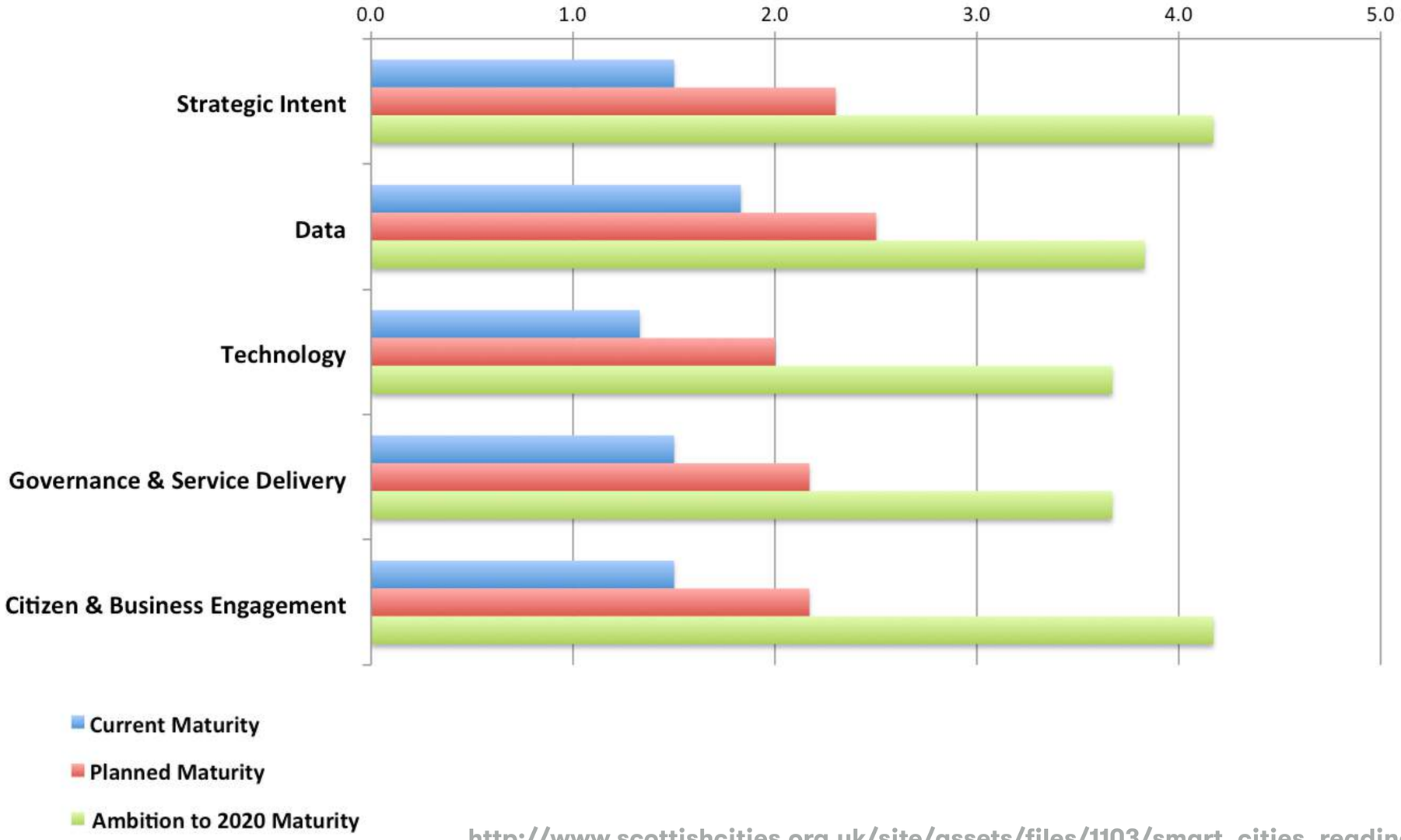
Opportunistic — 2

City Mgt Status: **System Collaboration**
Smart City Status: **Holistic system thinking and emergent sharing of data**
Outcome: **Cross boundary partnerships emerging to focus on shared outcomes**

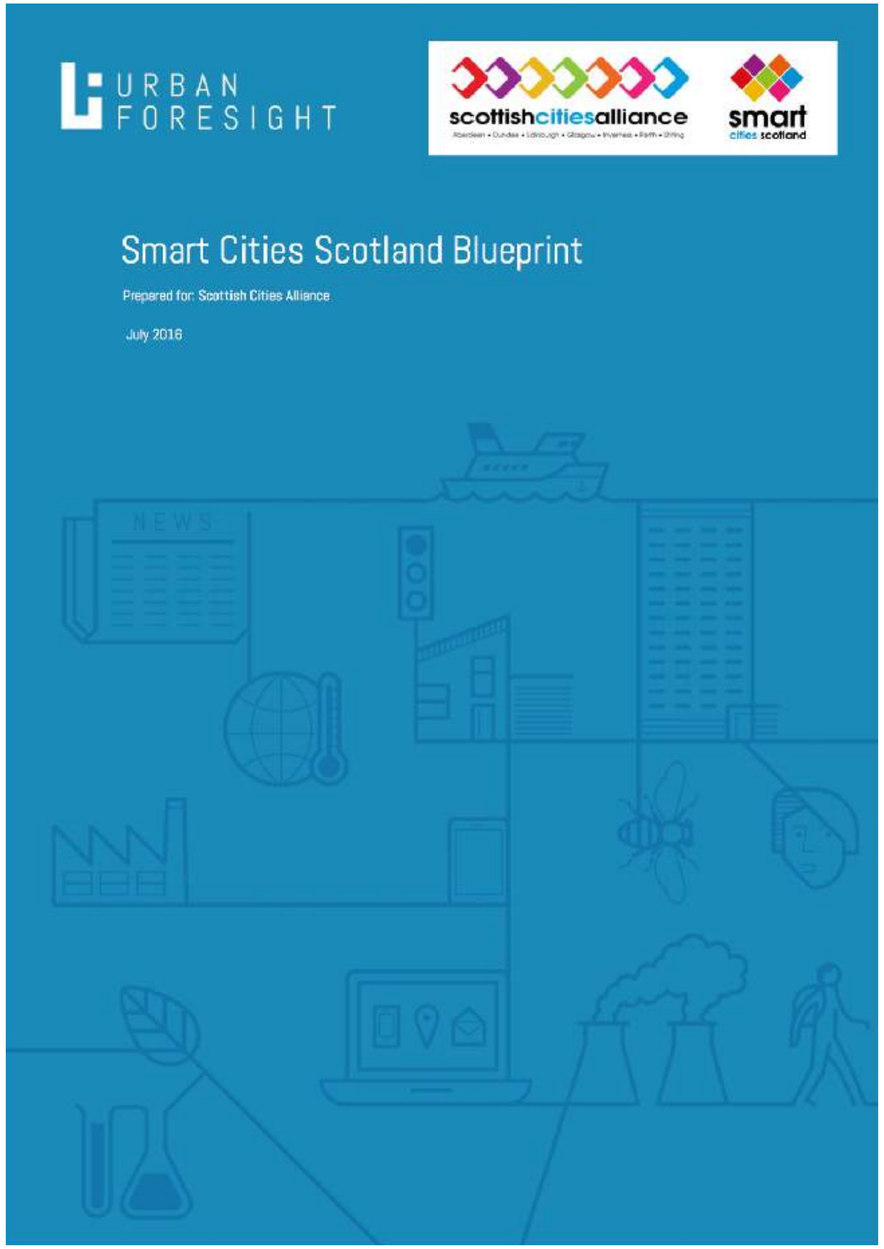
Ad Hoc — 1

City Mgt Status: **Siloed**
Smart City Status: **Operation focused digital and data driven service improvement**
Outcome: **Capturing evidence and building business case**

Overview of Scotland Smart Cities Maturity



http://www.scottishcities.org.uk/site/assets/files/1103/smart_cities_readiness_assessment_-_guidance_note.pdf



Scotland Blueprint

5 key areas

Smart & Healthy Living:
Data-led smart & healthy living test-bed

Circular Economy:
Manage the flow of resources within and between cities

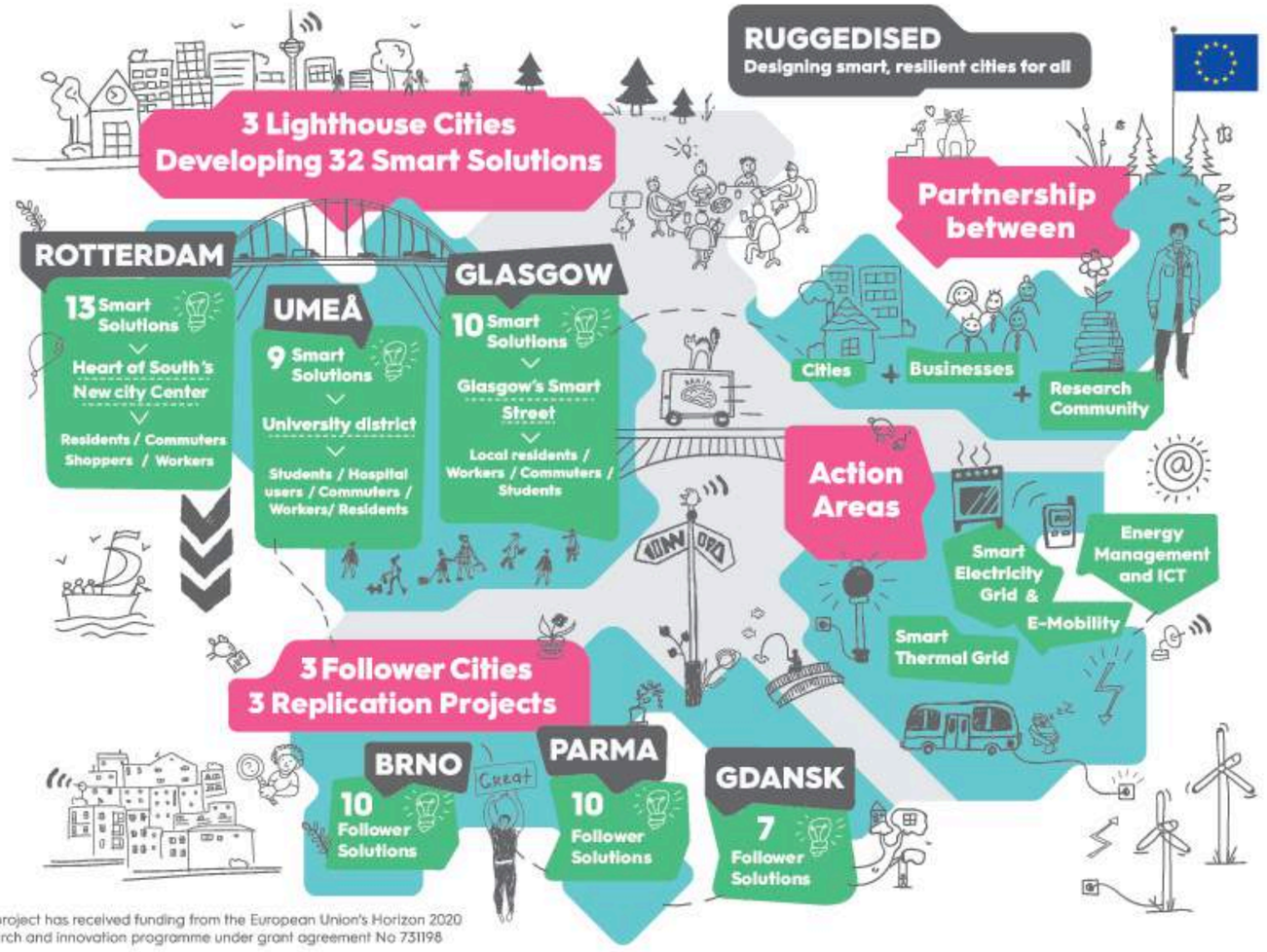
Collaboration & Engagement:
Sharing & learning platform

Open Data & Transparency:
Code for Scotland

Technology & Innovation:
MaaS Scotland

What's next for Glasgow

INFRASTRUCTURE TO
INFOSTRUCTURE
Green Investment Bank
Phase 1 - 10,000 street lanterns
Phase 2 - 60,000 intelligent lights in the city centre
Save £8.5m a year and cut the council's carbon emissions by more than 52,000 tonnes over 20 years
http://www.greeninvestmentbank.com/news-and-insights/2015/streetlighting-switch-could-save-local-authorities-millions-of-pounds/



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731198

Ruggedised Projects

District heating

EV-charging car park

Intelligent lights with integrated e-vehicle charging

http://www.ruggedised.eu/project/about/

www.yourcitycentre.com

Identifying smart projects

Lack of real-time data

Community data gathering

"The vision is to create a vibrant, playful, liveable City Centre"

WAVE
UrbanTide
MVRDV
Austin·Smith:Lord
Space Syntax
ARUP
Ryden
Douglas Wheeler Associates
GT gardiner&theobald

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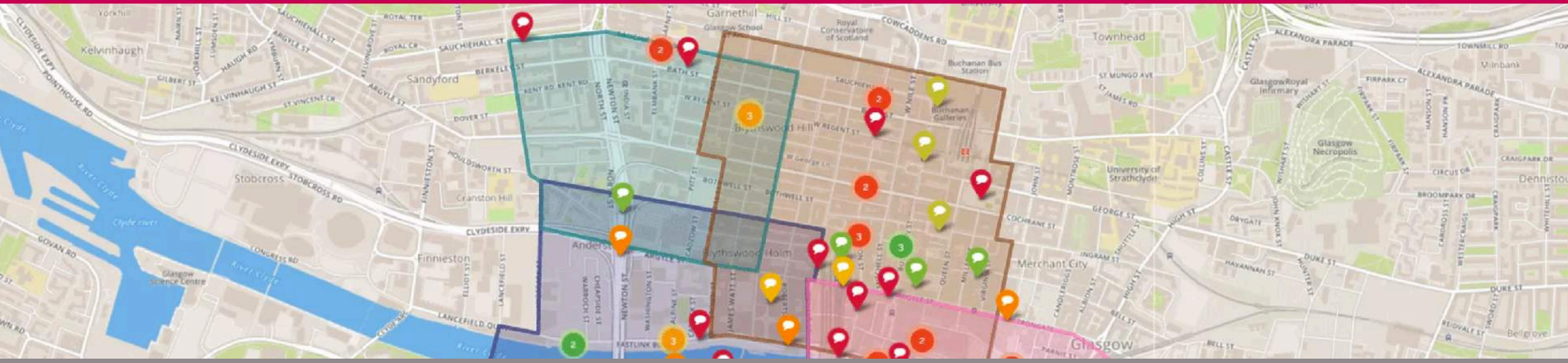
Help us shape Glasgow City Centre!

The (Y)OUR CITY CENTRE project needs your ideas

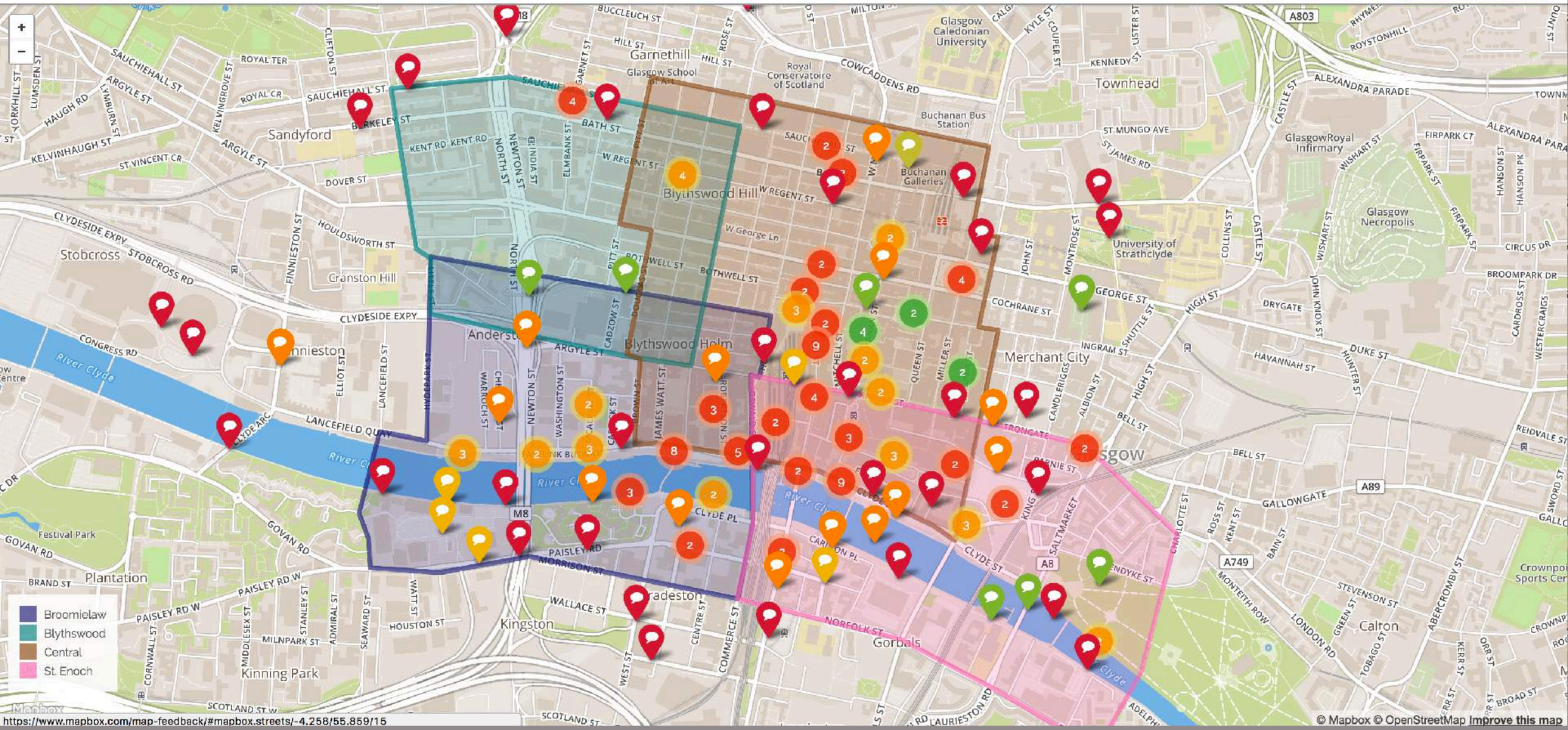
view the map and comment

learn more about the project

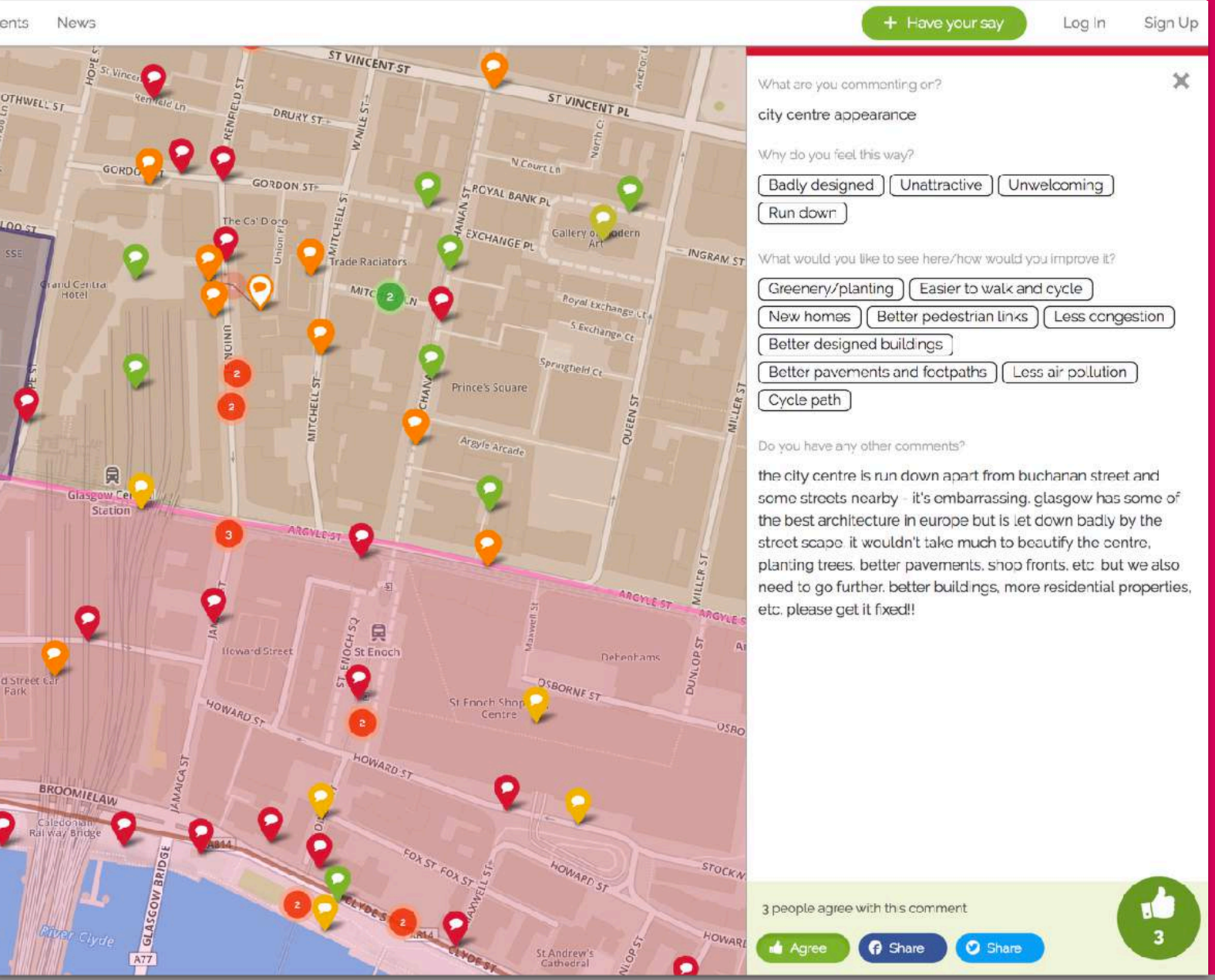
(Y)our ideas will inform ambitious plans that are being crafted to transform the retail, civic, business and cultural heart of the city. Help us identify the challenges and opportunities for positive change.



WAVE partnership
UrbanTide
MVRDV
Austin·Smith:Lord
Space Syntax
ARUP
Ryden
Douglas Wheeler Associates
gardiner&theobald



WAVE bridge · UrbanTide · MVRDV · Austin·Smith:Lord · Space Syntax · ARUP · Ryden · Douglas Wheeler Associates · GT gardiner theobald



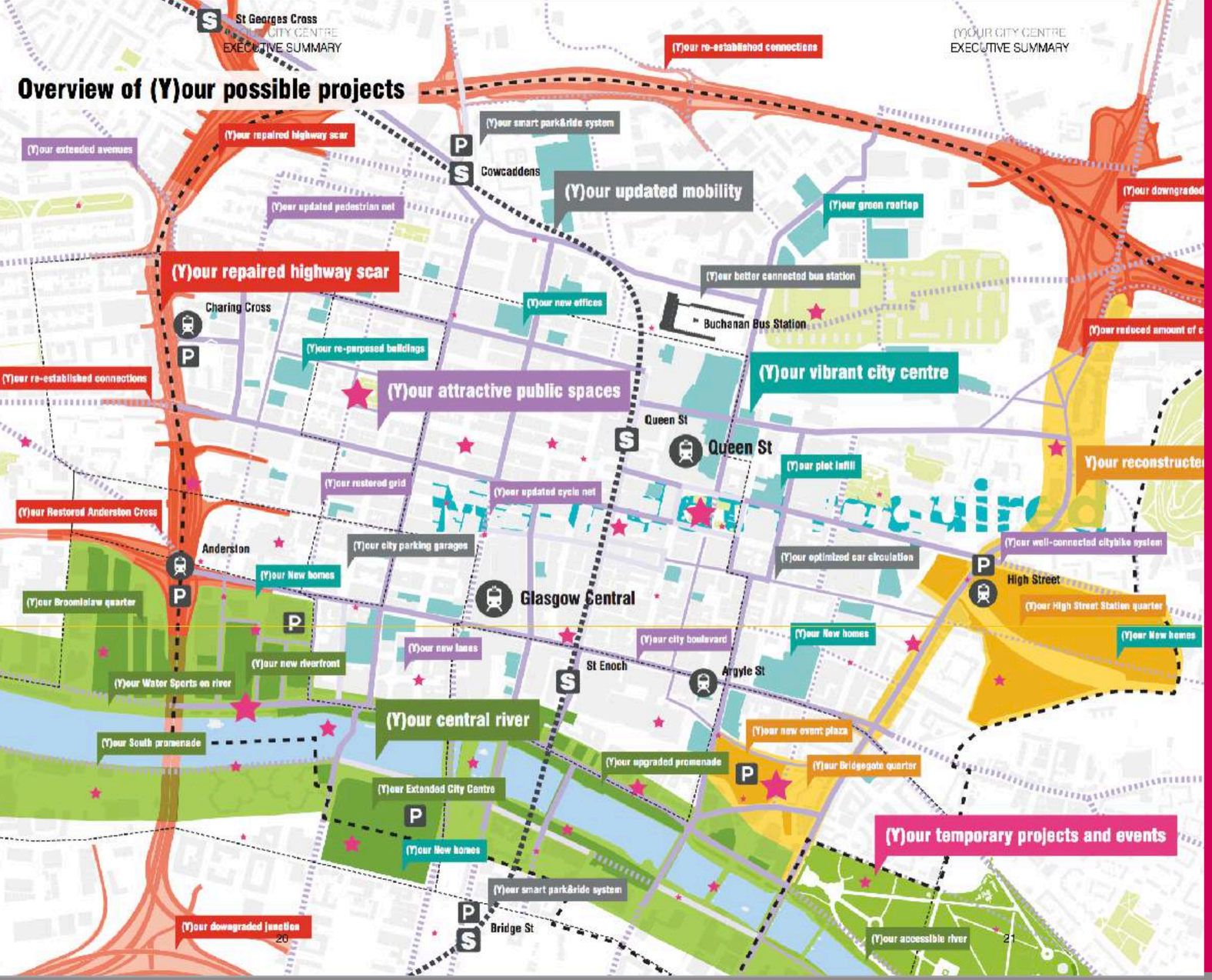
www.yourcitycentre.com

3 month project

189 comments in 1st week

The more people involved, the better the needs of the whole community will be reflected

WAVE bridge · UrbanTide · MVRDV · Austin-Smith:Lord · Space Syntax · ARUP · Ryden · Douglas Wheeler Associates · gardiner theobald



www.yourcitycentre.com

Combine data & ideas

Add to the mix of S,M,L,XL projects

"The vision is to create a vibrant, playful, liveable City Centre"

WAVE Berlage · UrbanTide · MVRDV · Austin·Smith:Lord · Space Syntax · ARUP · Ryden · Douglas Wheeler Associates · gardiner&theobald