



NOTICE OF MEETING

ECONOMIC DEVELOPMENT, CULTURE & LEISURE SCRUTINY PANEL

MONDAY, 27 MARCH 2017 AT 5.00 PM

CONFERENCE ROOM B - CIVIC OFFICES (FLOOR 2)

Telephone enquiries to Joanne Wildsmith CCDS Tel: 9283 4057

Email: joanne.wildsmith@portsmouthcc.gov.uk

If any member of the public wishing to attend the meeting has access requirements, please notify the contact named above.

Membership:

Councillor Hannah Hockaday (Chair)
Councillor Steve Hastings (Vice-Chair)
Councillor Alicia Denny
Councillor Yahiya Chowdhury
Councillor Lee Hunt
Councillor Matthew Winnington

Standing Deputies

Councillor Ben Dowling
Councillor Scott Harris
Councillor Suzy Horton
Councillor Ian Lyon
Councillor Gemma New
Councillor Steve Pitt

(NB This Agenda should be retained for future reference with the minutes of this meeting.)

Please note that the agenda, minutes and non-exempt reports are available to view online on the Portsmouth City Council website: www.portsmouth.gov.uk

AGENDA

- 1 Apologies for absence**
- 2 Declarations of Members' Interests**
- 3 Minutes of Previous Meeting - 20 February 2017 (Pages 3 - 10)**

RECOMMENDED that the minutes of the EDCL Scrutiny Panel meeting held on 20 February 2017 be approved as a correct record and signed by the Chair.

4 Review - Smarter Cities (Pages 11 - 34)

i) In continuing the review of Smarter Cities the panel will hear from:

- Chris Cooper of KnowNow - consultancy and specialists in Smart City data

ii) Further written evidence will be available to update the panel:

- a) Notes from Simon Whitworth (PCC Information Services) who also attended the Smart Cities 2017 Conference on 1 & 2 February
- b) Update from Pam Turton and Adil Mohammad regarding progress within the Transport Directorate since they spoke to the panel in October 2016

Members of the public are now permitted to use both audio visual recording devices and social media during this meeting, on the understanding that it neither disrupts the meeting or records those stating explicitly that they do not wish to be recorded. Guidance on the use of devices at meetings open to the public is available on the Council's website and posters on the wall of the meeting's venue.

Agenda Item 3

ECONOMIC DEVELOPMENT, CULTURE & LEISURE SCRUTINY PANEL

MINUTES of the meeting of the Economic Development, Culture & Leisure Scrutiny Panel held on Monday, 20 February 2017 at 5.00 pm at the Guildhall, Portsmouth

Present

Councillor Hannah Hockaday (in the Chair)

Councillors Steve Hastings
Alicia Denny
Yahiya Chowdhury
Lee Hunt
Matthew Winnington

6. Apologies for absence (AI 1)

All members were present; Councillors Chowdhury and Denny apologised for their late arrival and Councillor Hunt apologised that he would need to leave at 6pm.

7. Declarations of Members' Interests (AI 2)

There were no declarations of members' interests.

8. Minutes of Previous Meeting - 26 January 2017 (AI 3)

The minutes of the EDCL Scrutiny Panel meeting held on 26 January 2017 were approved as a correct record.

9. Review 'Smarter Cities' (AI 4)

- i) Dr Jason Horsley, Director of Public Health (for Portsmouth and Southampton councils)

Dr Horsley introduced himself as the newly appointed Joint Director of Public Health (DPH) for both Portsmouth and Southampton City Councils, and gave a presentation entitled 'Smarter Cities and Improving Health - Is there an App for that?'. Firstly he set out definitions of health, which is more than the absence of disease, mental health is important as well as physical wellbeing. The World Health Organisation defines health as:

"a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity"

Healthcare services are approximately 25% of the contributors to improving health (see diagram) - gains in life expectancy include nutrition, sanitation and other lifestyle factors (smoking, drinking, food and exercise) as well as the physical environment (including air quality, housing and

green space provision). In Portsmouth physical inactivity is second to smoking in causing early deaths.

The aim of Public Health is to make people to change their lifestyles; just giving education alone will not lead to major changes in behaviour and there is the need to look at the scale of the problems. 63% of adults in Portsmouth are classified as obese or overweight. There is the need to look at the physical environment and the choices made (car/cycling/walking). Dr Horsley's aim was to focus on how these environments can be changed, not just educational messages.

Dr Horsley asked what was meant by 'smarter cities' with the use of technology to improve outcomes (rather than outputs which can be quantitative such as number of hips replaced) where individuals can measure the improvements e.g. living longer, or not experiencing pain. There should be lasting and sustainable improvements from the use of technology - he gave the example of the initial spike in physical activity caused by Pokemon Go but this had reverted to previous levels by week 6.

As DPH Dr Horsley was often approached regarding the use of new Apps - but he needed to be convinced of their benefits as these can be expensive to develop and update and the novelty can wear off fast (as seen with step-counters which may encourage more physical activity but there is not fast weight loss seen where users 'reward' themselves). Some route/map applications had merit in giving useful information, such as showing cycling and walking options, which could help 'nudge' people into making the more healthy choices.

Areas in which technology can help include:

- Monitoring sugar levels for diabetics
- Fall alerts in homes of older persons
- GPS tags to alert families of dementia sufferers
- Giving cues and reminders for taking medication or attending medical appointments

Another possible area of use is in communication with health professionals, although this will not necessarily be as effective as a face to face consultation and can lead to more social isolation (which in turn can heighten anxieties and mental health costs).

Two priority areas to make a difference in Portsmouth were to reduce smoking levels and encouraging a shift in the use of public transport. In exploring how physical activity and active travel could be encouraged Dr Horsley stressed the importance of the **infrastructure**:

- Provision of bike lanes and walking routes
- Safety via smart lighting and increased footfall (which in turn can lead to reduced crime levels¹)

¹ Reference was made to the pedestrianisation of streets in central Bogota, Colombia

- Internet search engines can offer prompts on how long different modes of travel will take
- Barriers need to be reduced - for more direct routes, providing affordable alternatives and incentives (such as Park & Ride where bike use could be encouraged too), use of electric bikes to help with hills (although Portsea Island itself is flat)

Risks with technology include:

- Where devices only work for a short time or there is a need to reinvest
- Devices that may increase social isolation or reduce physical activity
- Advances that may cause other problems e.g. driverless cars

During questions from members Dr Horsley raised the following points:

- Examples of good practice from elsewhere included more efficient bike lights
- The ability to think about the design of cities such as looking at intersections to prioritise walking
- In Nigeria there had been re-mapping of bus routes with GPS tagging on the routes people most used to get to work to ensure the bus routes followed the flows and to encourage use
- With the physical restrictions of Portsmouth there was even more need to look at the importance of **green space** and to ensure it is accessible and well used, with use of lighting and provision of WCs
- Walking routes (which can be backways) need to be well signed either physically or via Apps showing how long it takes to get to destinations

Discussion then took place regarding the involvement of the Director of Public Health in **consultation on planning developments** - Dr Horsley felt this would be useful but this would need to be proportionate regarding major development. He reported that at Bristol Council there is a rule on when health impact assessments are undertaken on developments, and at Wakefield there is a requirement to look at the impact of a proposal when it relates to loss of green space in deprived areas, and they have a checklist of things to be considered by the developer. He was keen to try to protect the city's green spaces via pre-application discussions so that Public Health make helpful suggestions which are conducive to the local population's health, which in turn would mean that developers were more likely to get planning permission. There is the need to embed public health early in the planning process, especially for the larger developments.

It was asked if '**rewards**' should be considered to change behaviours such as to encourage more physical activity or stopping smoking? Dr Horsley felt that whilst incentives can be successful there is the political issue of whether to reward people for doing the right thing? The barrier is resources and it would be unlikely that private funding could be found.

The consideration of **cemeteries** as open space was raised. Claire Upton-Brown confirmed that this could be looked at as space for public benefit, such as garden schemes, beehives etc.

Lighting was also important to encourage use of walking routes, and the switch to LED lighting is important as this has a carbon footprint, and motion sensors also save energy.

The **dangers** of using mobiles and smart devices whilst walking was also raised and it was hoped that technology would be adapted to integrate alerts.

It was noted that whilst some of the **Apps** were very useful (such as scanning items for sugar and salt content) these did not necessarily address health inequalities or reach those most in need of the information. There could be benefits of Apps as teaching resources for children to promote health lifestyles in an interactive way but educational apps were not necessarily attractive to teenagers.

The Chair thanked Dr Horsley for his very interesting presentation.

ii) Lindy Elliot, Library and Archive Services

Lindy had provided information on the range of digital classes available at the libraries across the city, which included 'bridging the digital divide', which she further expanded on at the meeting. There is free access to the internet at the libraries (via a library card) for up to 4 hours a day. There was increased usage for those wishing to use printers (often for printing out on-line tickets) and an increase had been seen in those who do not have access to digital technology.

National statistics from 2014 (source Office of National Statistics²) had ranked Portsmouth 2nd highest for those without digital access and digital knowledge = 24.8% of adults.

Library staff had seen that low literacy levels could be a barrier in accessing websites and Apps., which could include some young people who were usually more comfortable with using technology.

The report to the Cabinet Member for Culture, Leisure & Sport of 7 October 2016 set out the wide range of learning opportunities through the libraries, and the work taking place in partnership with Highbury College in providing a regular programme of activities which aim to bridge the digital divide by promoting and supporting the use of ICT. The report set out the following progress:

- 173 people had taken up volunteer-led ICT training in 2015/16
- By the end of March 2016, 147 adults with disabilities were introduced to some basic ICT modules provided on the 'Learn My Way' online platform, including 'Staying healthy with NHS Choices' and 'GP Services online'

² Table 5B on page 27 of the Internet Access Quarterly Update as published by the Office for National Statistics in May 2014 accessed:
<http://www.ons.gov.uk/ons/rel/rdit2/internet-access-quarterly-update/q1-2014/stb-ia-q1-2014.html>

- There is ongoing work with vision impaired residents and funding is sought for the use of accessible technology
- Children aged 9-11 years also attend free computer Code Clubs at Southsea Library
- Support is also given at the libraries to job seekers including help with writing CVs and application forms

The library staff members are trained to 'Make every contact count' and were able to sign-post people to the relevant groups and associations to receive further support.

In response to members' questions the following arose:

- Technologies were also used to help in translation where English is not a first language
- The issues of social isolation is also combatted through the group work at the libraries although some users will access services online or through audio books
- The connectivity between the 9 libraries (these all have full connectivity), mobile library and the University of Portsmouth and other technical libraries in the city - Lindy explained that whilst there are regular meetings to share information and some joint training, the services do not duplicate each other (such as the provision of academic texts at the UoP which are expensive materials and there is more specialist text now available on-line) but complement each other
- There is a national network of libraries and Portsmouth is one of 30 members of the Living Knowledge Network, to share information and tools on exhibitions and skill sharing workshops

The Chair thanked Lindy Elliot for her very useful update on the work of the Library Service.

iii) Feedback from attendance at Smart Cities conference

Councillors Hannah Hockaday and Matthew Winnington had both attended part of the 2 day conference by Ascent Events in London on 1st /2nd February.

Councillors Hockaday and Winnington gave feedback on the following areas of innovation from around the country:

- **City Verve** - funding had been secured for **Manchester** Council for a 'Smart Area' of the city at Oxford Road (their bid was worth £10m³) Innovation Bids were also being invited on a partnership basis with universities and businesses to make cities safer, an example was the development of an App to report potholes which showed in real-time the reporting and updating of progress with photographs of repairs
- **Sheffield** used a system called 'Changify' for urban innovation.

³ <https://www.gov.uk/government/news/manchester-wins-10m-prize-to-become-world-leader-in-smart-city-technology>

- **Milton Keynes** was also advanced in the design management of the city and efficient use of energy and providing education on how to be more efficient
- Future building designs - inverting the client/customer role to start with seeing what the customer will want
- In **Nottingham** there are district heating and energy co-operatives sharing energy as part of the Smart Cities European Remourban project⁴
- Use of **surplus assets** - '**Warp It**' - recycling of furniture for businesses - this may already be used in Portsmouth's Queen Alexandra Hospital, and in Glasgow this had been used to save money and was free to access for charities.
- **Digital Town** example of **Greenwich**- visitors don't sign into their council website but can use 1 App for their visit. **Bournemouth** was also cited as being accessible for planning for the whole day visitor experience (Visit Bournemouth website)
- **Joyride** is an App developed to show routes where people are avoiding, including safe routes for cyclists
- High tech **benches** can generate energy and be used as social hubs (instead of telephone boxes) and local authorities could attract sponsorship for selling branding on these
- **Cleverciti Systems** (from Germany) highlighted their parking management schemes to record space availability (and this information would also be sent to the TECS Scrutiny Panel for their current review of parking), which was now in practice in **Westminster**
- Chris Cooper from KnowNow was seen as a key contact
- **Bristol** council representatives had also made an offer for PCC members to visit there - they were seen to be 5 years ahead in Smarter City technology
- A further issue identified was use and ownership of personal data e.g. on bus use

Nick May further reported that in **Reading** a parking App helps to identify disabled parking bay availability.

No date for a **future meeting** was confirmed as contact would be made with Chris Cooper to ascertain his availability.

The meeting concluded at 6.55 pm.

⁴ <http://www.nottinghamcity.gov.uk/community/remourban/>

Councillor Hannah Hockaday
Chair

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Agenda Item 4

Notes by Simon Whitworth, Technical Systems Architect (Networks) PCC
Information Services

Smart Cities - Strap line

- Connect the unconnected
- Create non-proprietary data lakes
- Open data up through API'sPeople will develop their own APP's (esp UoP)
- Commercialise assets
- IoT be become a disrupter i.e. Employees - monitoring their workspace environment through devices

Cities Taking The Lead

- Glasgow
- Bristol
- Peterborough
- Manchester
- Greenwich - App in development (single sign-on), includes smart wallet for payment and include hooks into local vendorsencouraging Stay local, buy local

How to get there

- Leadership
- Look for project with needs
- Work with partners in the city Residents, SME's, University, Schools, Charities
- Unpinned with high speed connectivity

Tech/Standards

- Open Standards is key
- Currently lots of competing standards:
 - LORAWAN - Open standard (likely to become the standard)
 - NWave
 - Sigfox - Proprietary
 - Zigbee
 - LPWAN
- PAS181

IOT Device & Connectivity Attributes

- Must be cheap
- Battery life 10yrs (Use solar energy)
- Supported on a network with good coverage (4G/5G)
- Must be reliable & support QOS
- Device MUST be secure
- Positioning and triangulation is important in data collection

Infrastructure Components

- IoT Device
- Gateway to Network
- Cloud based applications

- Potential Applications:
- Metering
 - e.g. sewage monitoring
 - Medical dispensers
 - Defibrillators
 - Security
 - White goods on/off
 - Car Parking - Management
 - Smart Metering
 - Asset Tagging
 - Street Light Control
 - Livestock!
 - Air quality
 - Coastal defence monitoring
 - Wearables for residents - Re Health care - THIS IS GOING TO BE BIG IMPACT!
 - Journey planners based on sensor information

IoT in Portsmouth

- Coastal Defences
- Air quality
- Bin collection
- Traffic Control
- Smart Car Parking (Revenue generator)
- Big data
- Events
- Energy (store/share)

Look to use IoT to fix stuff in the city Involve residents

What drives innovation?

- Connecting stuff together that was not previously connected
- Seamless sharing
- Interoperability (API's)
- Ubiquitous coverage
- Regional data management - Health/Council
- Data analytics make sense
- A workforce that can work from anywhere - Govroam!
- Bust down the silos both within the organisation (for PCC CCTV/Traffic Management) and across the city
- Aggregate demands across the city
- Get stuff online
- Take customer/citizen feedback on-board and reengineer where necessary
- Change management adopt and adapt for the location

Data sharing

- Data has a value and can be used to create income

LISTEN TO WHAT THE CUSTOMER WANTS - DON'T FORCE THINGS ON THEM

Update report to EDCL Scrutiny Panel - 27 March 2017

Prepared by Adil Mohammad on behalf of the Director of Transport, Environment & Business Support (TEBS)

TEBS has applied for two competition funding bids to DfT valued £300k each.

1. Portsmouth CITS (Co-operative Intelligent Transport Systems) Platform:
Portsmouth City Council has been successful in receiving a grant of £300, 000 from the Department for Transport's new innovation programme - 'Cooperative-Intelligent Transport Systems (C-ITS) and Smart Infrastructure'. This award will fund the 'Portsmouth C-ITS Platform' a test-bed project to build a sensor network within the city to receive information and provide travel and traffic related datasets.

The innovative project will involve establishing an on-street, test environment within Portsmouth to prove the viability of the available communication technology in a real life setting that will not only provide the Council with additional 'real time' information on how the road network is performing, but also give support to road users to enhance their journey experience and improve road safety. This is a successful step for the local authority in order to further develop their capabilities to enhance their day to day management of the road network within the city.

The funding will help towards achieving the city council's vision of developing and implementing cutting edge technology that improves road safety, delivers more consistent journey times for forms of transport and by harnessing 'big data' provide real time information for people to make informed travel choices

2. Low-level early start traffic signals for cyclists in Portsmouth: PCC was not successful in this bid.

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Smart Portsmouth

Chris Cooper
March 27th 2017



<https://www.youtube.com/watch?v=MJSXgQCXrPs>



Est. 2014



Award Winning



Innovator of our own products

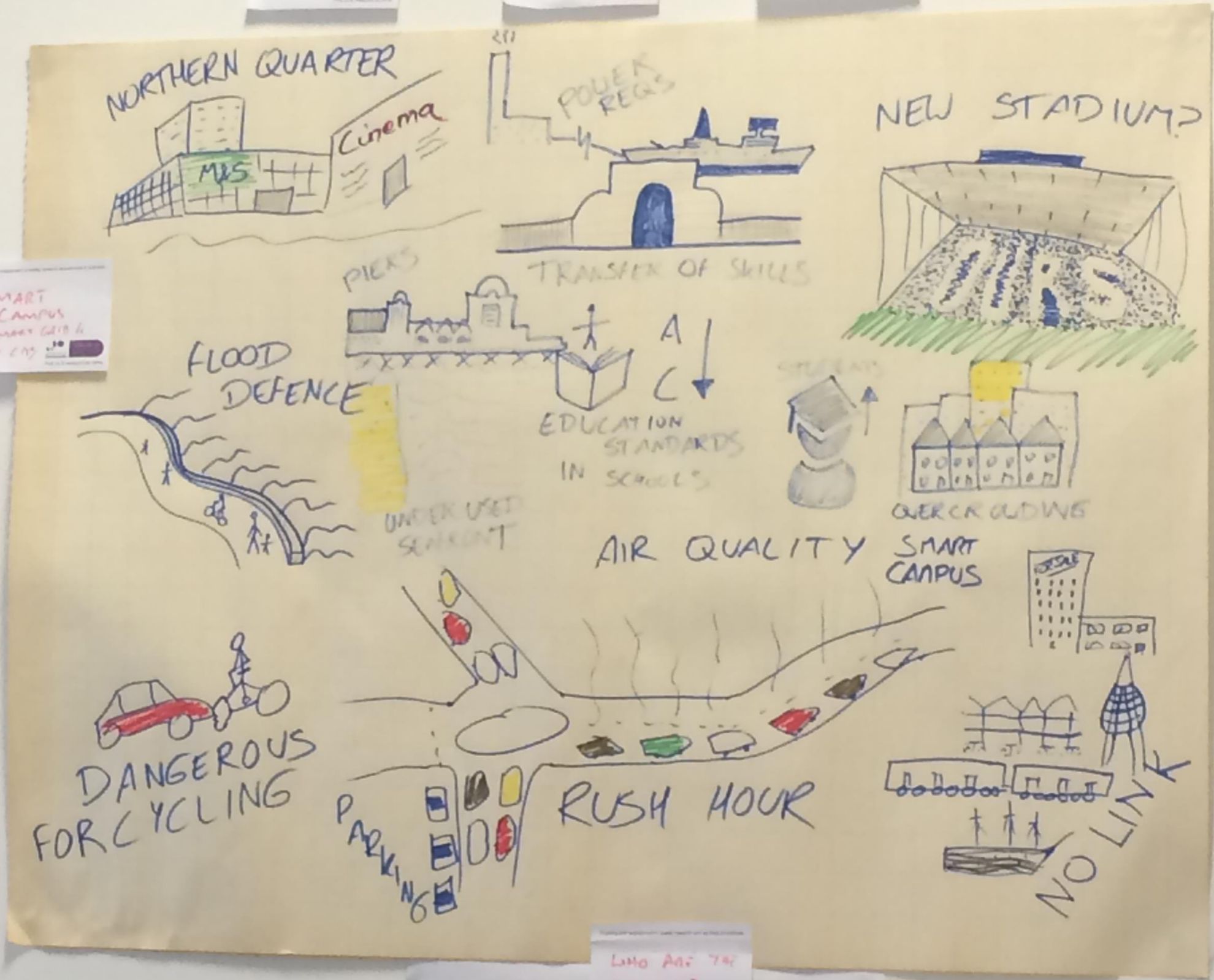


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SMART CAMPUS
- SMART CITY 4
THE CAS

THINK KPIs

OUTCOMES

IMPACT

LINK A&C 74
LEADER?

Smart Cities Project Ideas Template	Challenge	Opportunity	Priority Issues
	Other challenges and how they relate to the Smart City	How this opportunity can be realized	What are the priority issues that need to be addressed to realize this opportunity?
	What are the key challenges and opportunities for this project?	How can we use our existing skills and resources to address these challenges and opportunities?	What are the key priority issues that need to be addressed to realize this opportunity?



bsi.

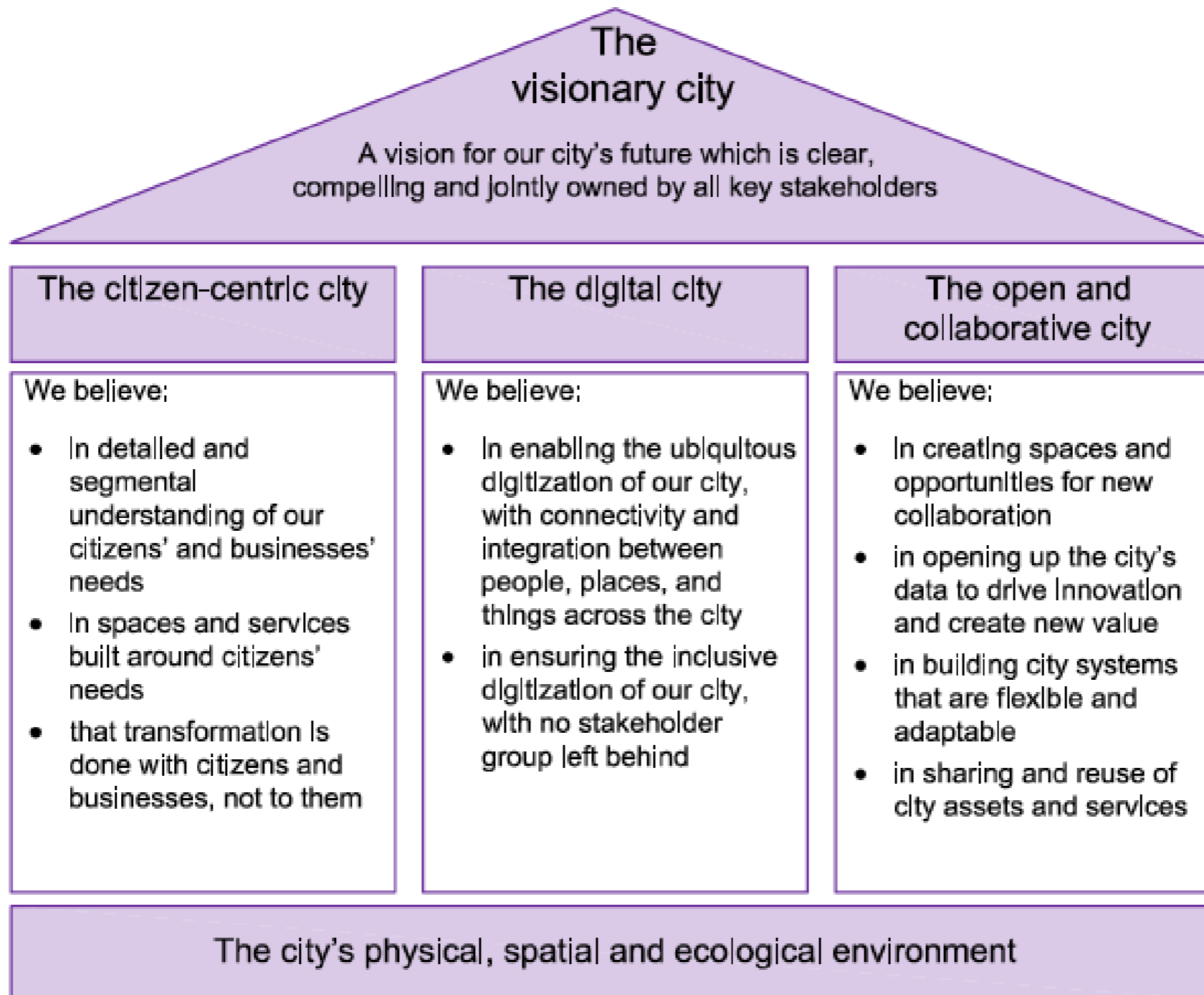
- PAS 181 Smart City Interoperability Framework
- <https://www.bsigroup.com/en-GB/smart-cities/Smart-Cities-Standards-and-Publication/PAS-181-smart-cities-framework/>

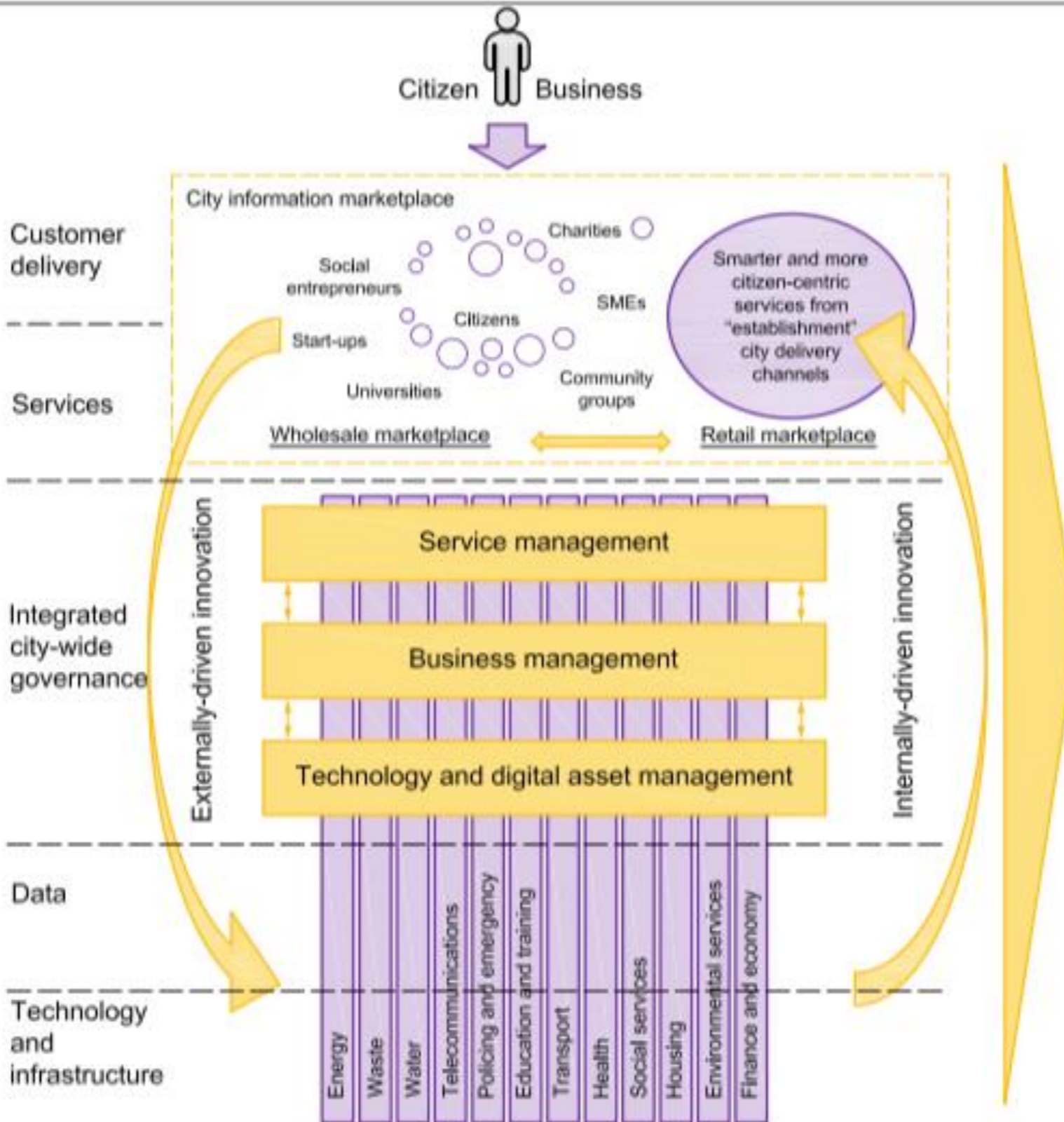


We believe that a smart city is:

- a) visionary;
- b) citizen-centric;
- c) digital;
- d) open and collaborative.

As we work towards becoming a smart city, we will use the following principles to guide our work:





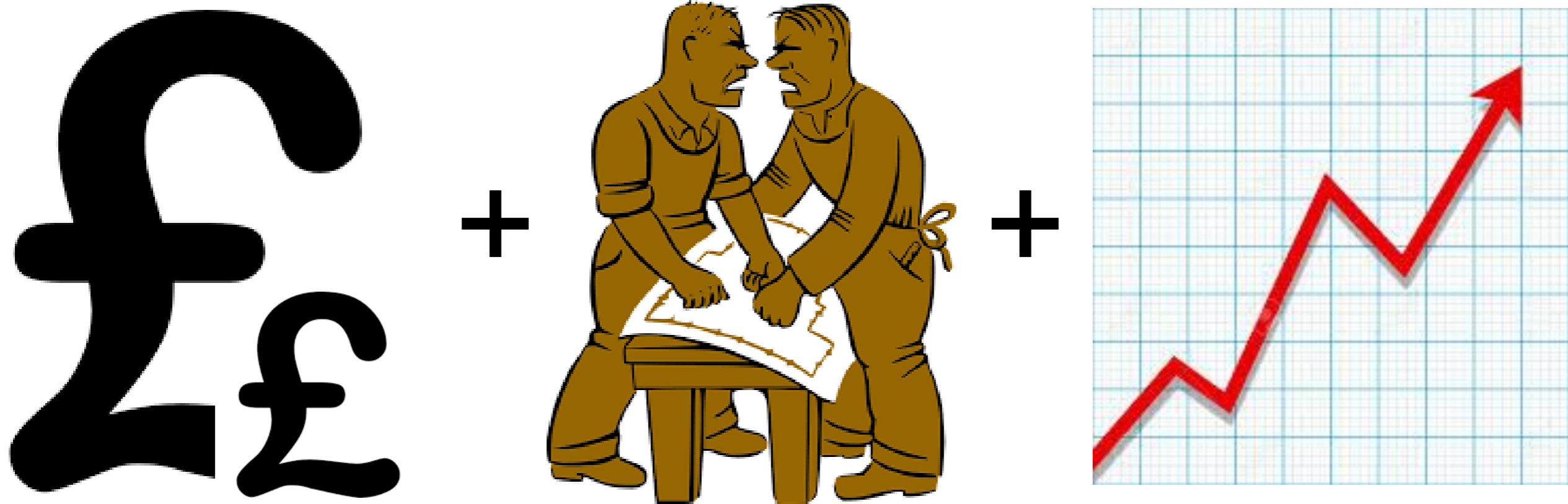
Impact:

- City data unlocked from individual silos
- Logical separation of data, service and customer delivery layers
- Externally-driven innovation:
 - Enablement of new marketplace for city information and services
 - Citizens, SMEs and social entrepreneurs enabled to co-create public services and create new value with city data
- Internally-driven innovation:
 - Improved and integrated service delivery
 - Resource optimization
- Ability to drive city-wide change at speed



Why smart cities are not yet flourishing

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“Cities need to reflect the needs of the citizens that live, work and play there”

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<http://www.bristolisopen.com>



<http://futurecity.glasgow.gov.uk>



Regulatory Twist

<https://ico.org.uk/media/for-organisations/documents/1624219/preparing-for-the-gdpr-12-steps.pdf>



Preparing for the General Data Protection Regulation (GDPR) 12 steps to take now

- Awareness**
You should make sure that decision makers and key people in your organisation are aware that the law is changing to the GDPR. They need to appreciate the impact this is likely to have.
- Information you hold**
You should document what personal data you hold, where it came from and who you share it with. You may need to organise an information audit.
- Communicating privacy information**
You should review your current privacy notices and put a plan in place for making any necessary changes in time for GDPR implementation.
- Individuals' rights**
You should check your procedures to ensure they cover all the rights individuals have, including how you would delete personal data or provide data electronically and in a commonly used format.
- Subject access requests**
You should update your procedures and plan how you will handle requests within the new timescales and provide any additional information.
- Legal basis for processing personal data**
You should look at the various types of data processing you carry out, identify your legal basis for carrying it out and document it.
- Consent**
You should review how you are seeking, obtaining and recording consent and whether you need to make any changes.
- Children**
You should start thinking now about putting systems in place to verify individuals' ages and to gather parental or guardian consent for the data processing activity.
- Data breaches**
You should make sure you have the right procedures in place to detect, report and investigate a personal data breach.
- Data Protection by Design and Data Protection Impact Assessments**
You should familiarise yourself now with the guidance the ICO has produced on Privacy Impact Assessments and work out how and when to implement them in your organisation.
- Data Protection Officers**
You should designate a Data Protection Officer, if required, or someone to take responsibility for data protection compliance and assess where this role will sit within your organisation's structure and governance arrangements.
- International**
If your organisation operates internationally, you should determine which data protection supervisory authority you come under.

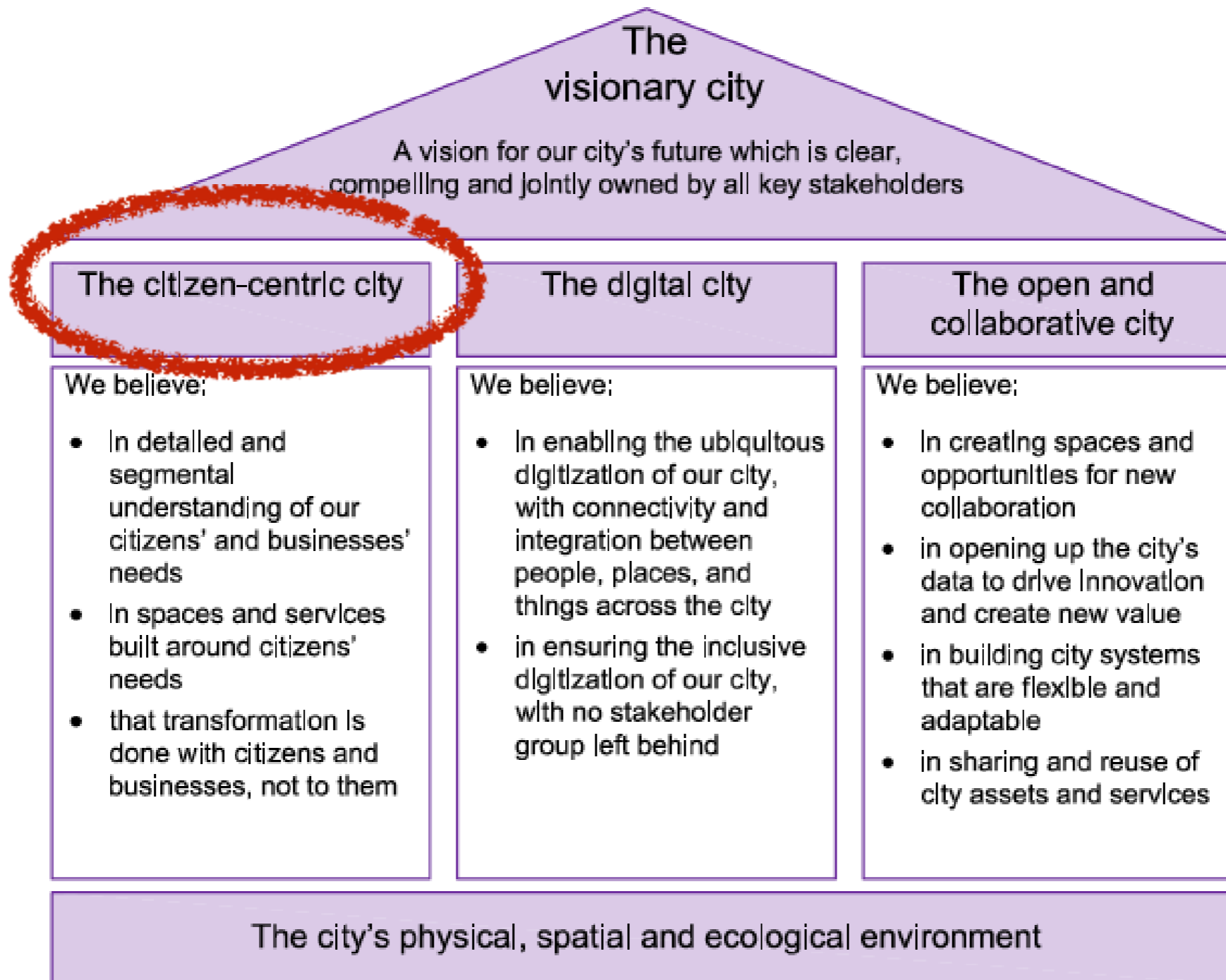
ico. ico.org.uk
Information Commissioner's Office



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Citizen First



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<https://meeco.me>



CHAINELS[®]
M A L L S T R E E T C I T Y



**DIGITAL
TOWN**

Citizen Focus <https://eu-smartcities.eu/content/citizen-city>



Citizen City
"Tools for Citizen Engagement"



I consent to getting marketing notifications based on my location within the shopping center

You consent to receiving marketing and special offers from the retailers within the shopping center based on your current and/or historical location and purchasing history.

We will use

Current Location within the center

For the purposes of

Receive general offers

Use this setting

Previous

2 / 2

Next

Service provided by



I consent to getting marketing notifications based on my location within the shopping center

You consent to receiving marketing and special offers from the retailers within the shopping center based on your current and/or historical location and purchasing history.

We will use

None

For the purposes of

No offers

Use this setting

Previous

2 / 2

Next

Service provided by



I consent to getting marketing notifications based on my location within the shopping center

You consent to receiving marketing and special offers from the retailers within the shopping center based on your current and/or historical location and purchasing history.

We will use

Email Address

For the purposes of

Receive weekly newsletters

We will use

Email Address

For the purposes of

Receive personal offers

We will use

Email Address

For the purposes of

Receive general offers

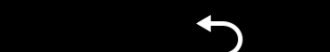
Use this setting

Previous

2 / 2

Next

Service provided by



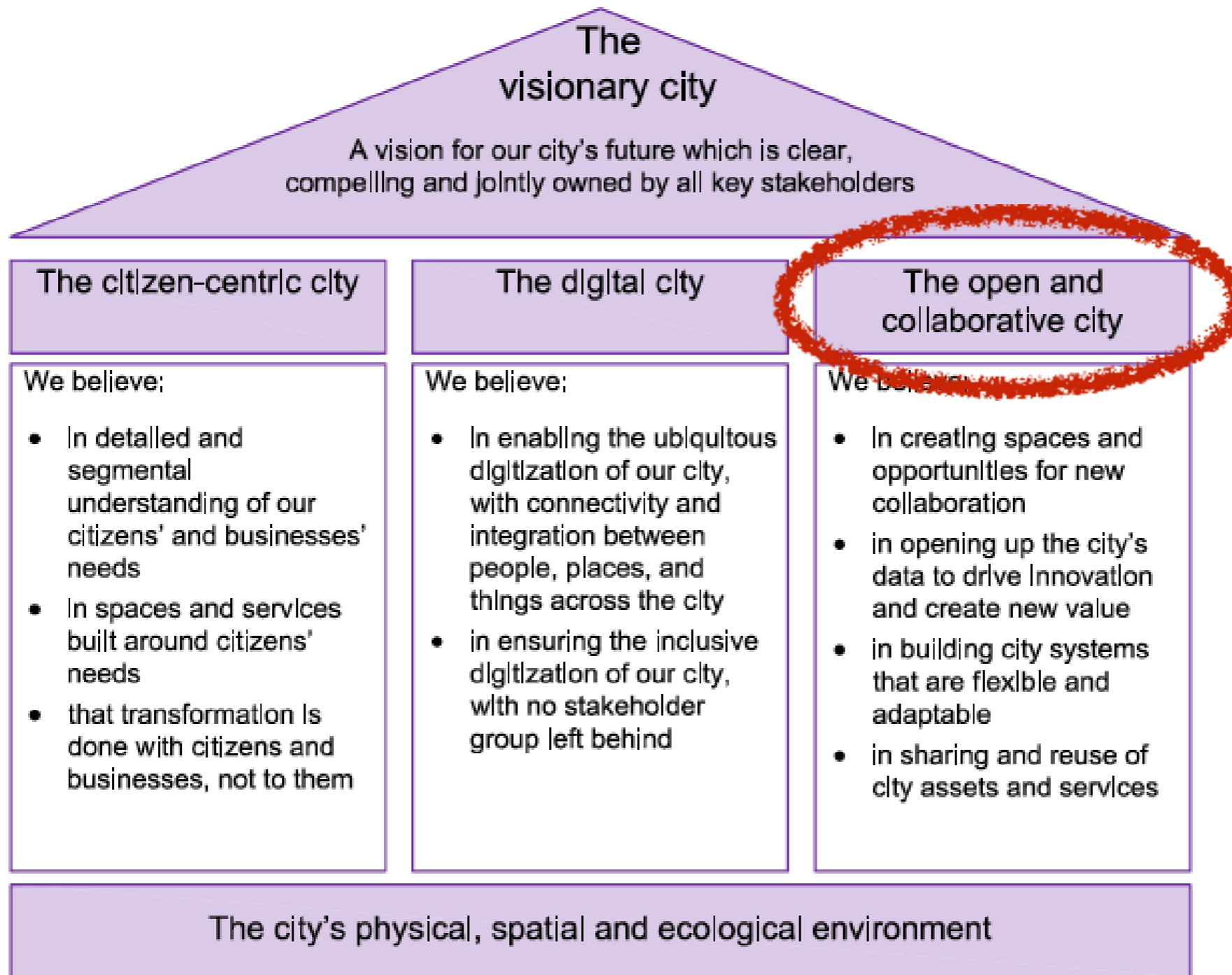


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Sharing Innovation

Co-fund & Collaborate
to Innovate **ALPHA**

How it works Co-Fund Collaborate Innovate About Us

**Providing the spark to transform the way
we do digital across the public sector**

Find out more...

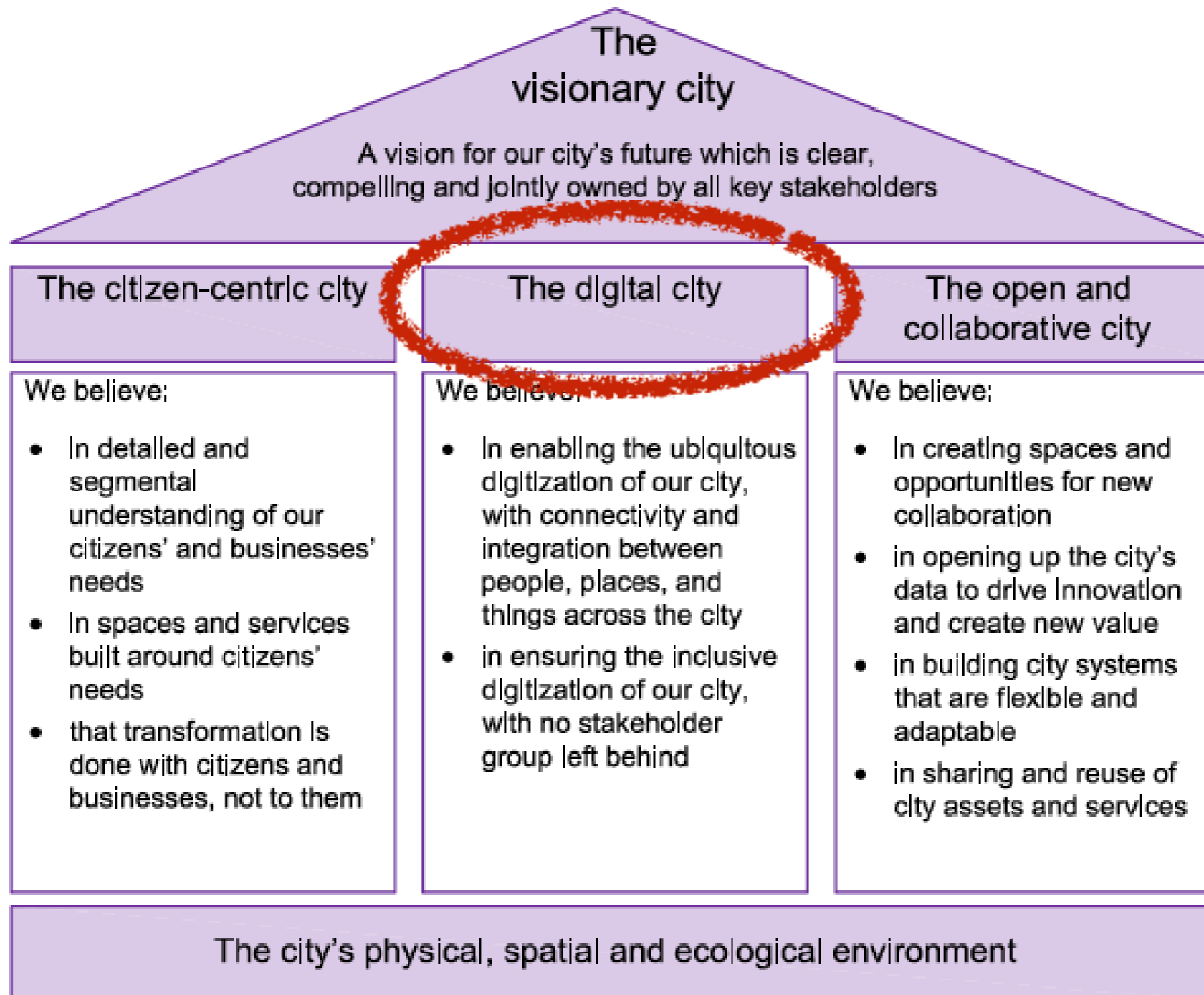
www.cc2i.org.uk



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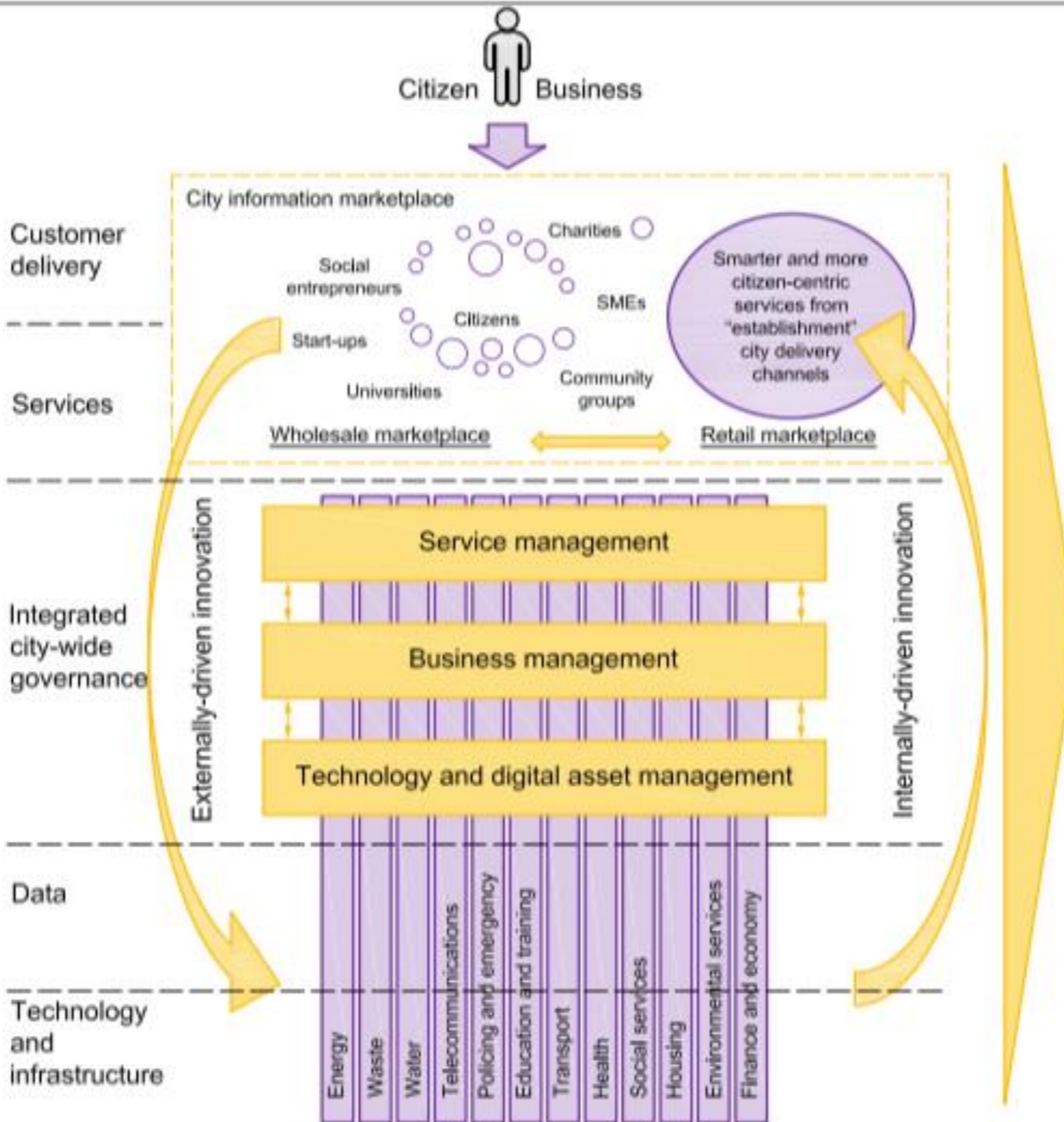


Smart Grid - Catalyst



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Impact:

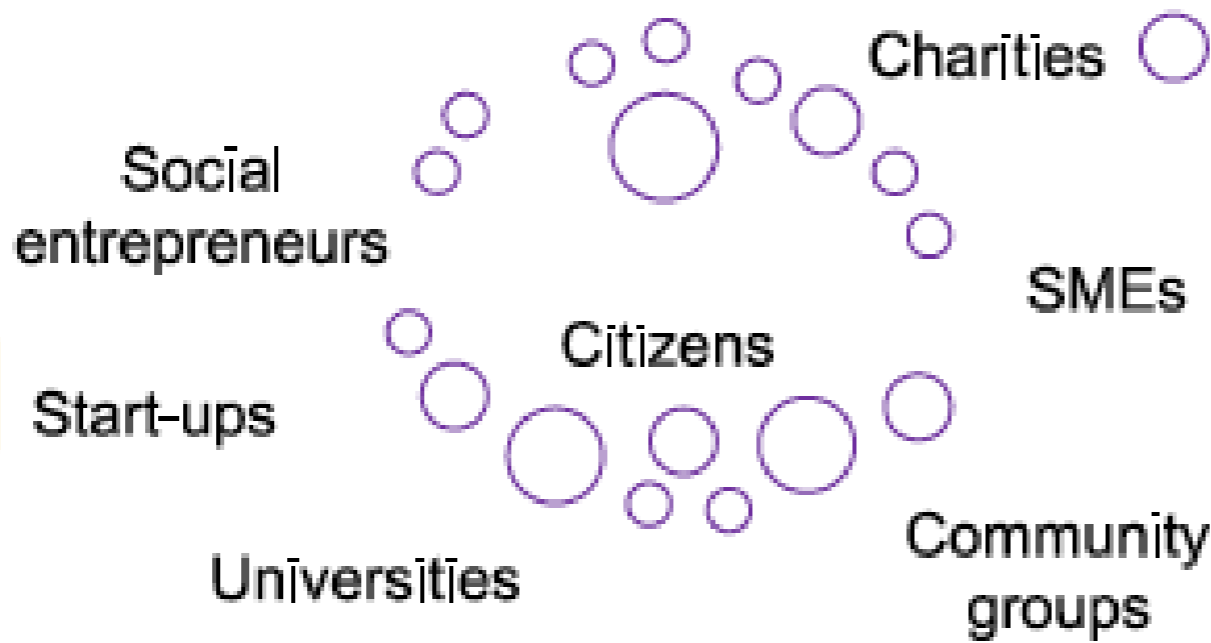
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- Internally-driven innovation:
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 - Resource optimization
- Ability to drive city-wide change at speed



Citizen  Business



City information marketplace



Wholesale marketplace



Retail marketplace



Where to Start?

Page 33

- Enable Smart Grid clusters - new & retrofit
- Digital Infrastructure Investment - Connectivity & Skills
- Open Data Evidence Base - Citizen Engagement
- Start the conversation



Principles & Outcomes

What Next?

- a) Settle on the Portsmouth **VISION**
- b) Agree a set of **Principles**
- c) Determine the **Outcomes**

Where Next?

- d) Bristol Delegation