ORDNANCE SURVEY

What is the role of Geospatial Knowledge Platforms in delivering SDGs?

Nigel Clifford

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Source: OilandGasPeople.com

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Source:Dollskill.com

Ordnance Survey

Source: ReviewTech

Ordnance Survey

Source: Paperzip

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The promise of ‘platforms’

Examples:

- Reduced friction / costs – create once, use many times
- Familiarity – enabling efficient capability building
- Wide use strengthens the platform
- Economic snowball

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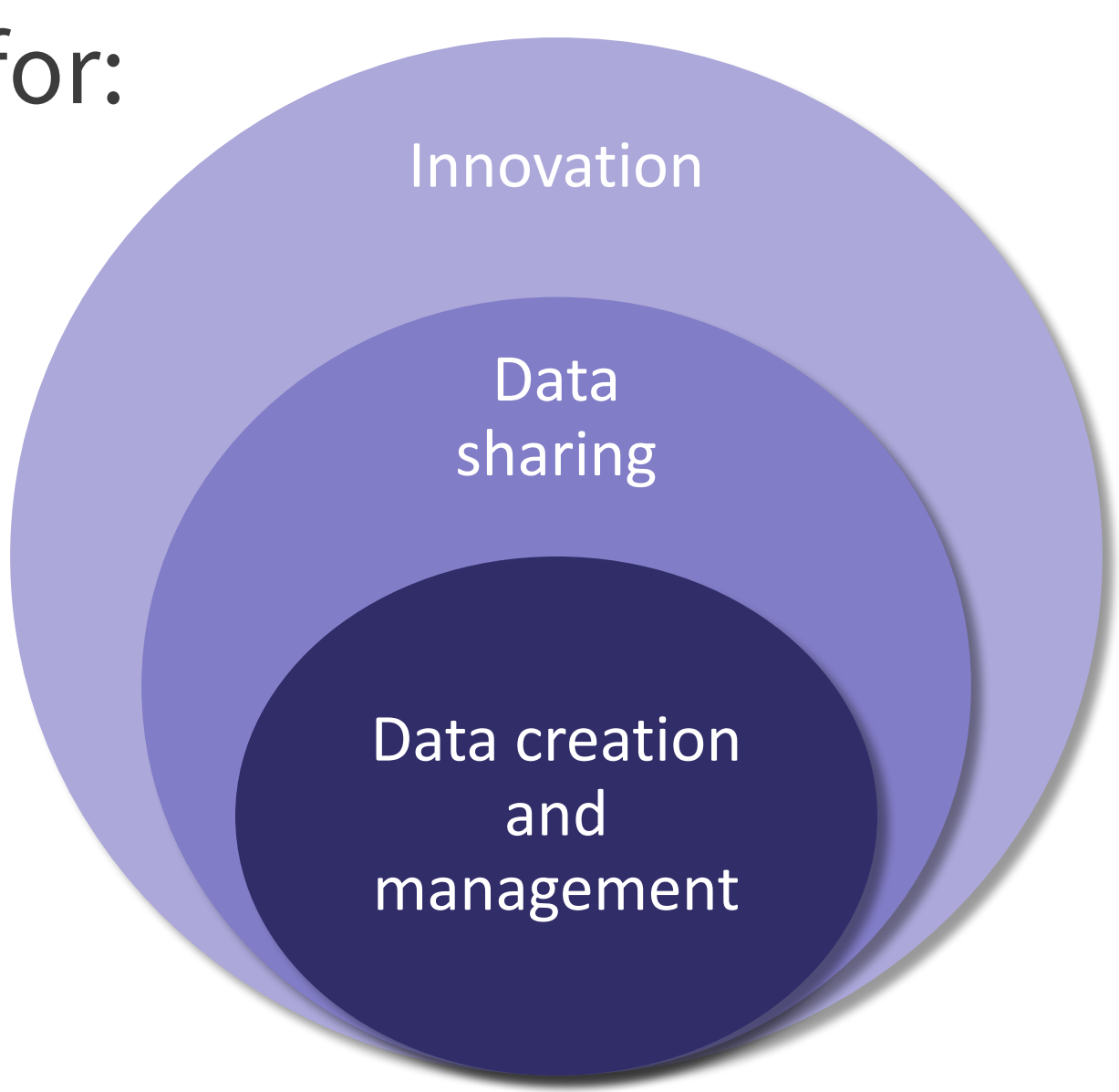
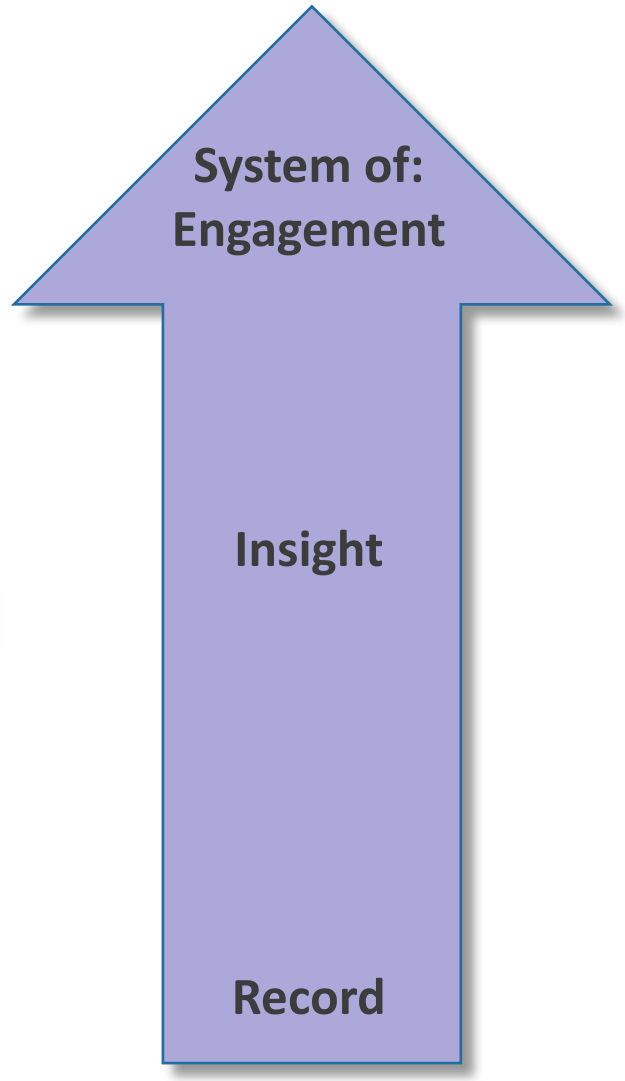
Platforms for:





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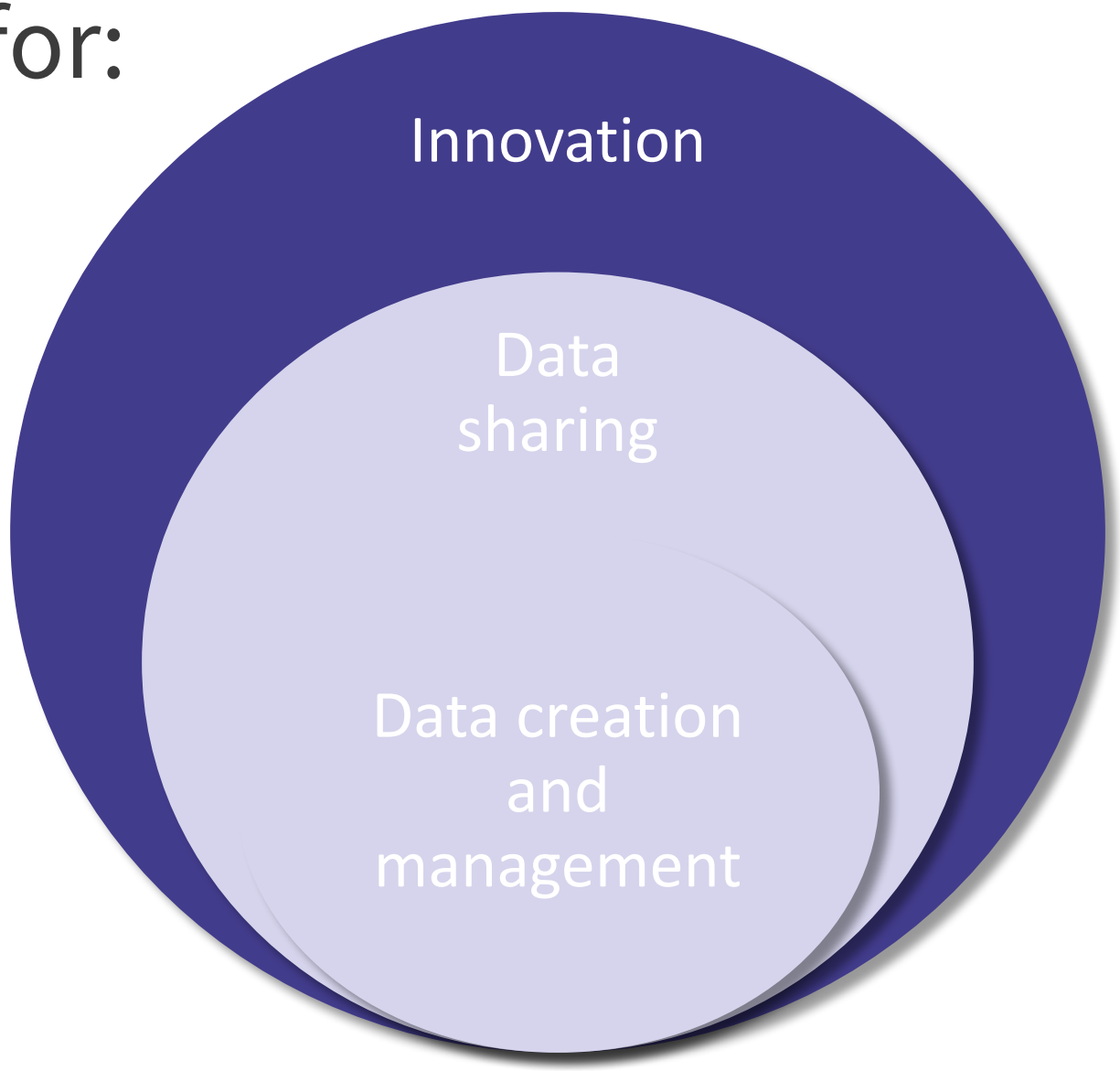
Referencing three of the SDGs

Referencing three of the SDGs

Platforms for:



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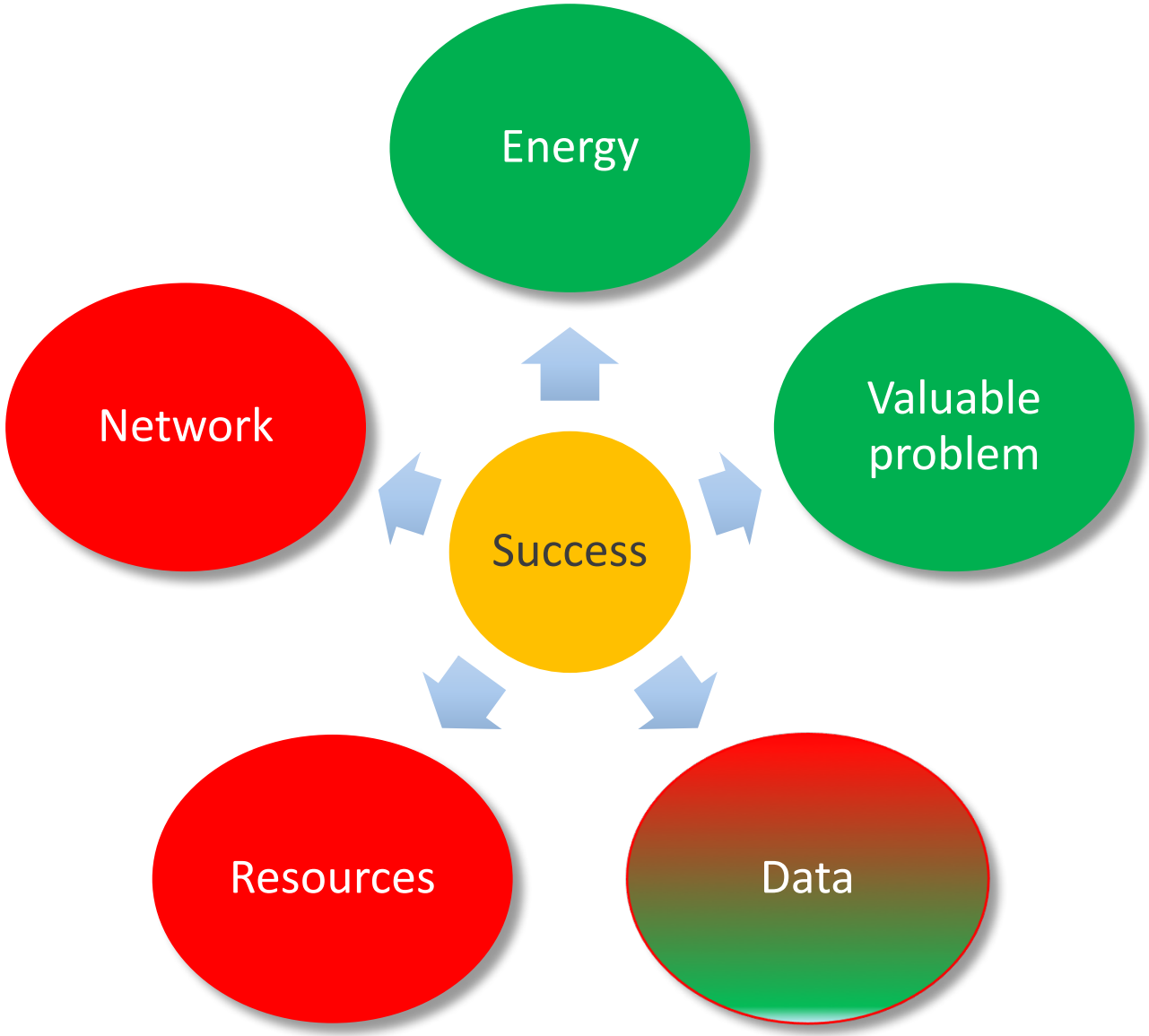
An innovation platform might contain



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GEOVATION

An Ordnance Survey Initiative

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In Association with

HM Land Registry

Supported by

Innovate UK

NWG living water

IBM

[dstl]

intel

NOMINET

SPRING WISE

KPMG

OGC Making location count.

Google Cloud Platform

amazon web services

Geovation helps Britain's location and property startups address social, economic and environmental challenges using open innovation methodologies

- Open innovation challenges since 2009
- £1 Million in Challenge grants issued
- Opened a location data lab in London in 2015
- Provides dedicated professional services and software development resources to startups
- Supported access to open and premium data.

- Progress report, Nov 17:
  >1050 Hub community members
  > £11 Million raised in seed funding
  >80 new jobs created

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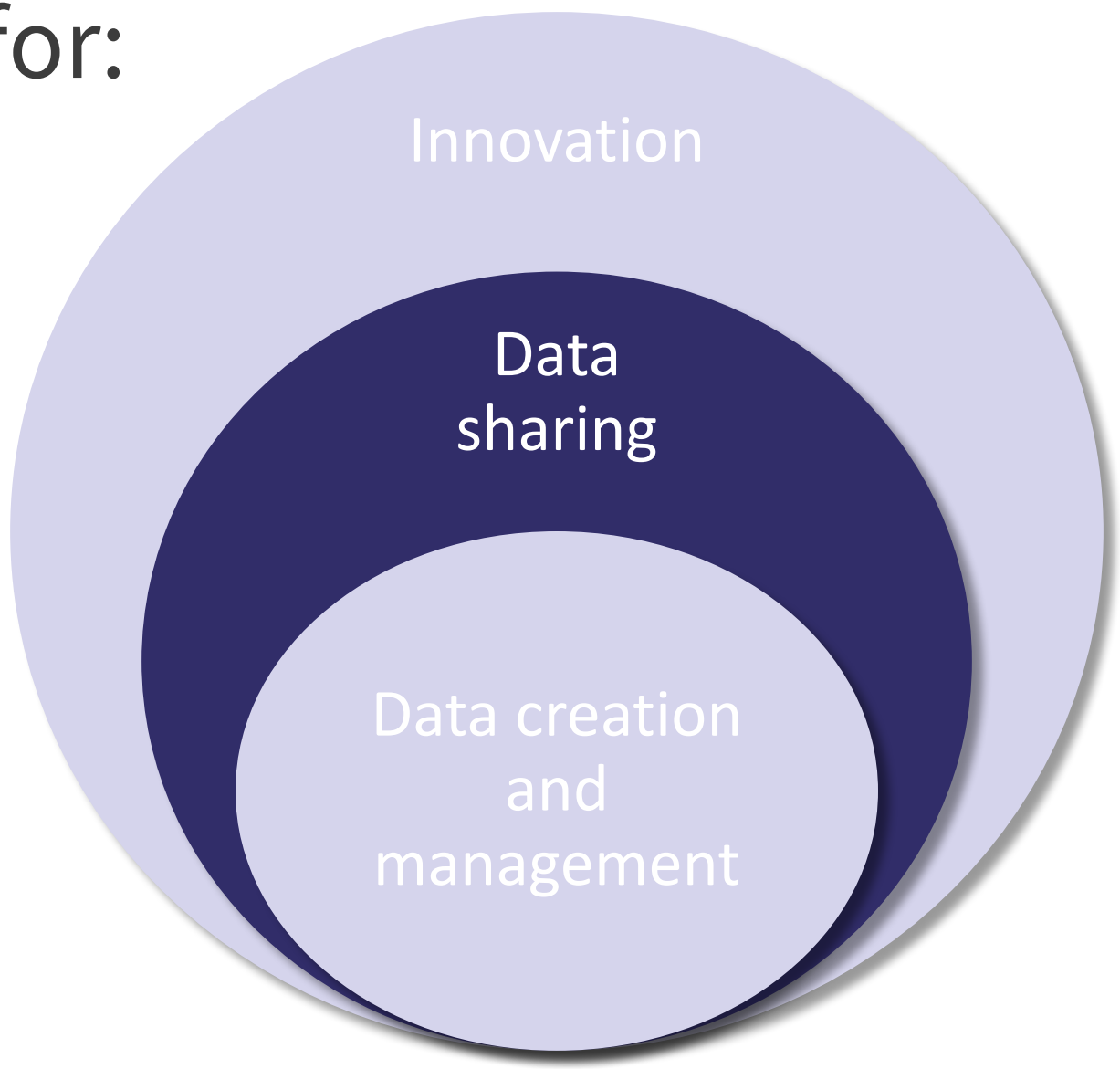
GEOVATION CHALLENGE 2017: GREENER, SMARTER COMMUNITIES

Think globally, Act locally

Platforms for:



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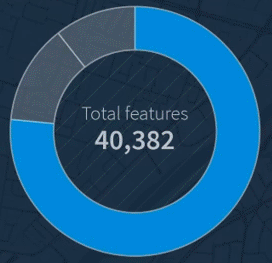
cityverve

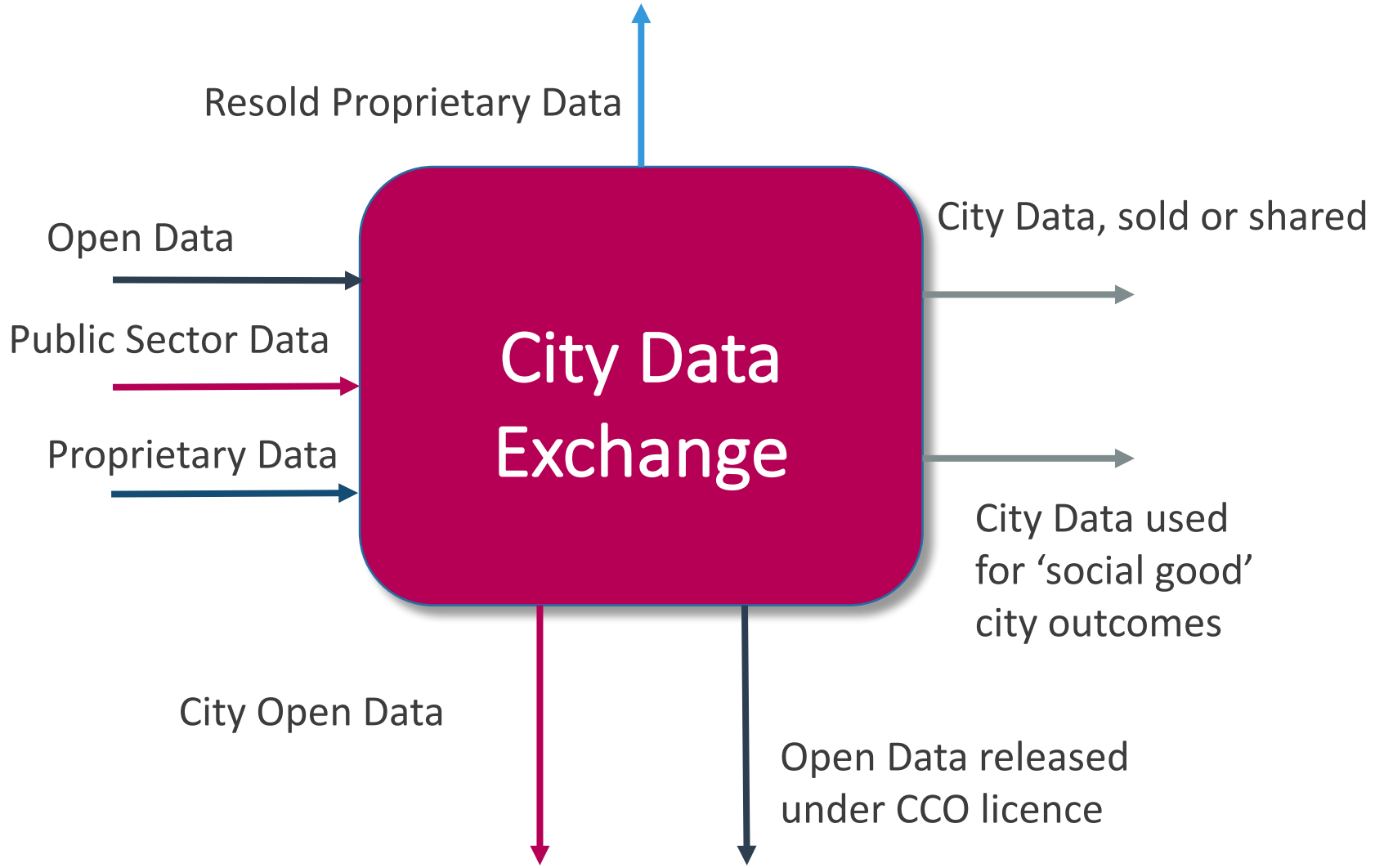
OS have captured and attributed...



31,257 Points

- Lamp posts
- Bus stops
- Cycle racks
- CCTV
- and more...

CITY DATA EXCHANGE



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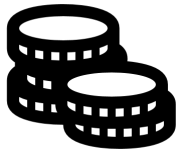
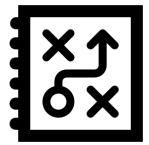
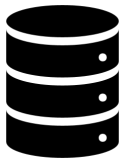
Greater Manchester Data Exchange
An innovative approach

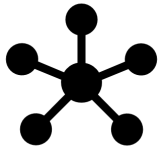
Focus on people, ecosystems and business models and defining use-cases

Use location as the differentiator to enable the realisation of value in previously underutilised and new data sources.



Move on from data catalogues to curated approach to interconnected data management, applying AI to categorise, classify and tag data types.



Develop and trial innovative business models, approaching benefit realisation from a holistic perspective and considering all citizen service and system interactions as interconnected.

Enable two-way flows between data providers and users, facilitating user-to-user interaction and collaboration

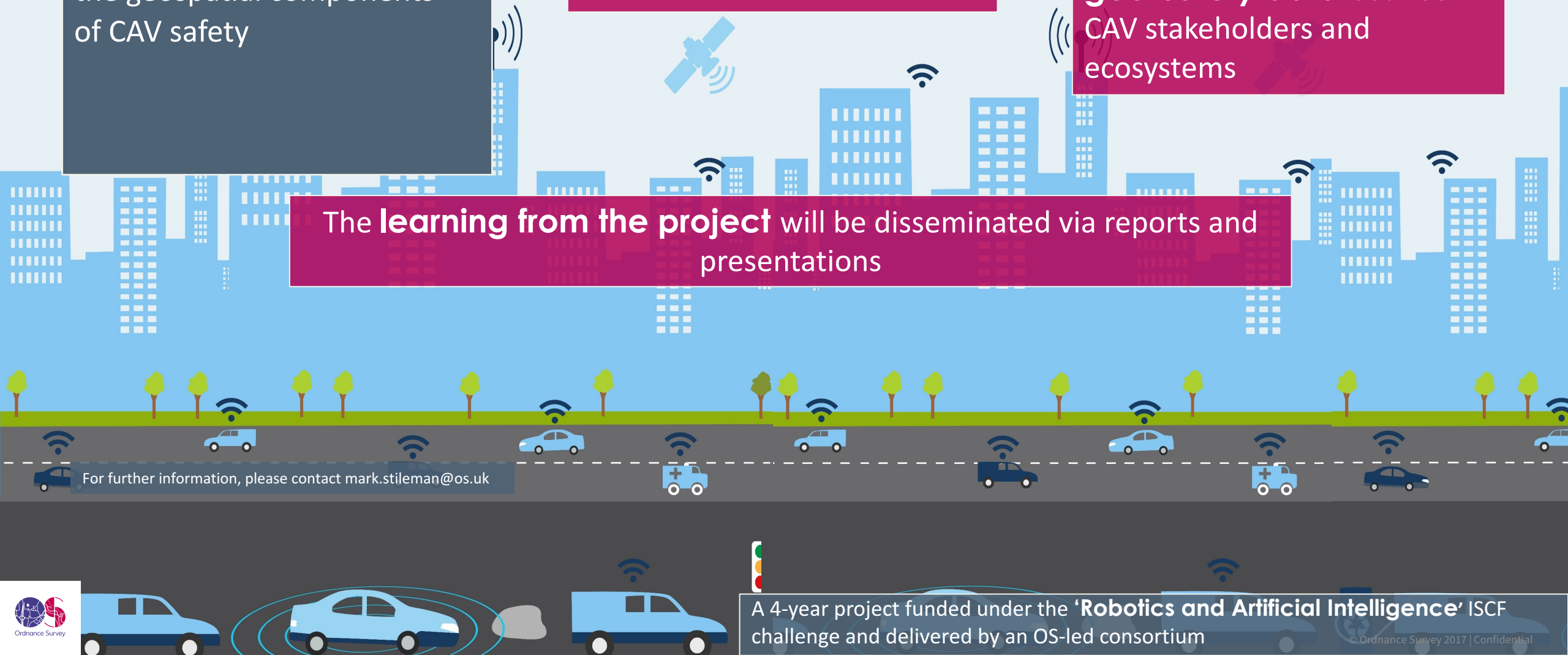
E-CAVE enables data exchange and interoperability between vehicles and infrastructure

A scalable **cloud-based data exchange** for use by the CAV testbeds, focus on the geospatial components of CAV safety

A set of **validated business model options** relating to the exchange and aggregation of CAV data

Contribution to **enriched specifications for mediating and sharing geo-safety data** between CAV stakeholders and ecosystems

The **learning from the project** will be disseminated via reports and presentations



For further information, please contact mark.stileman@os.uk

A 4-year project funded under the **'Robotics and Artificial Intelligence'** ISCF challenge and delivered by an OS-led consortium

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Breaking news!

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‘The potential economic value of this [geospatial] data is huge.

To maximise the growth of the digital economy…the government will establish a new Geospatial Commission to provide strategic oversight…. ’

UK Government budget statement
22 Nov 2017

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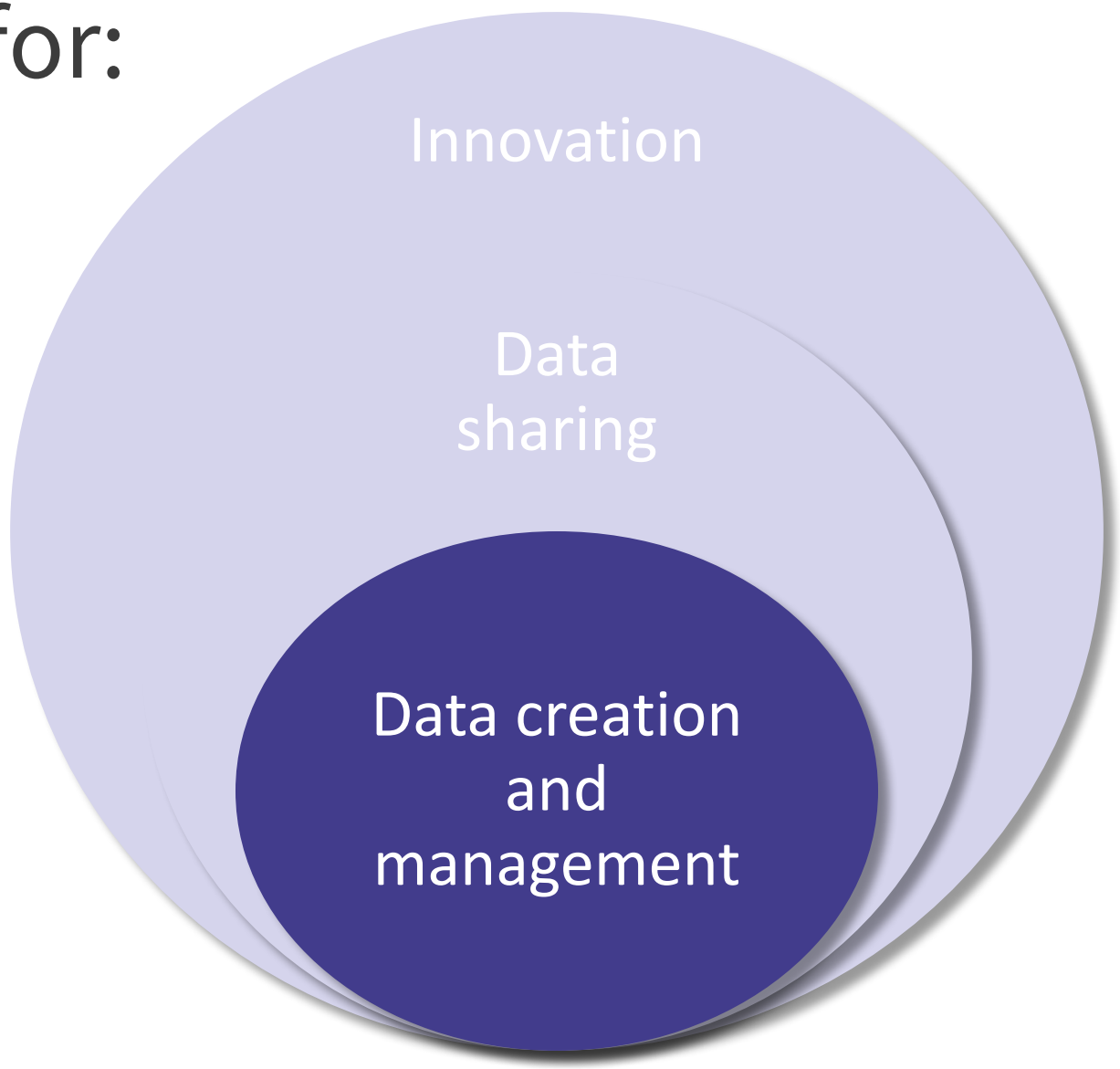
Platforms for:



Final thought on platforms…

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Demand for (more, better) data is increasing

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This demands investment from nations, cities and organisations

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Managed & shared services are emerging in other industries

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This demands investment from nations, cities and organisations

Managed & shared services are emerging in other industries

Are there economies to be achieved through sharing platform components?

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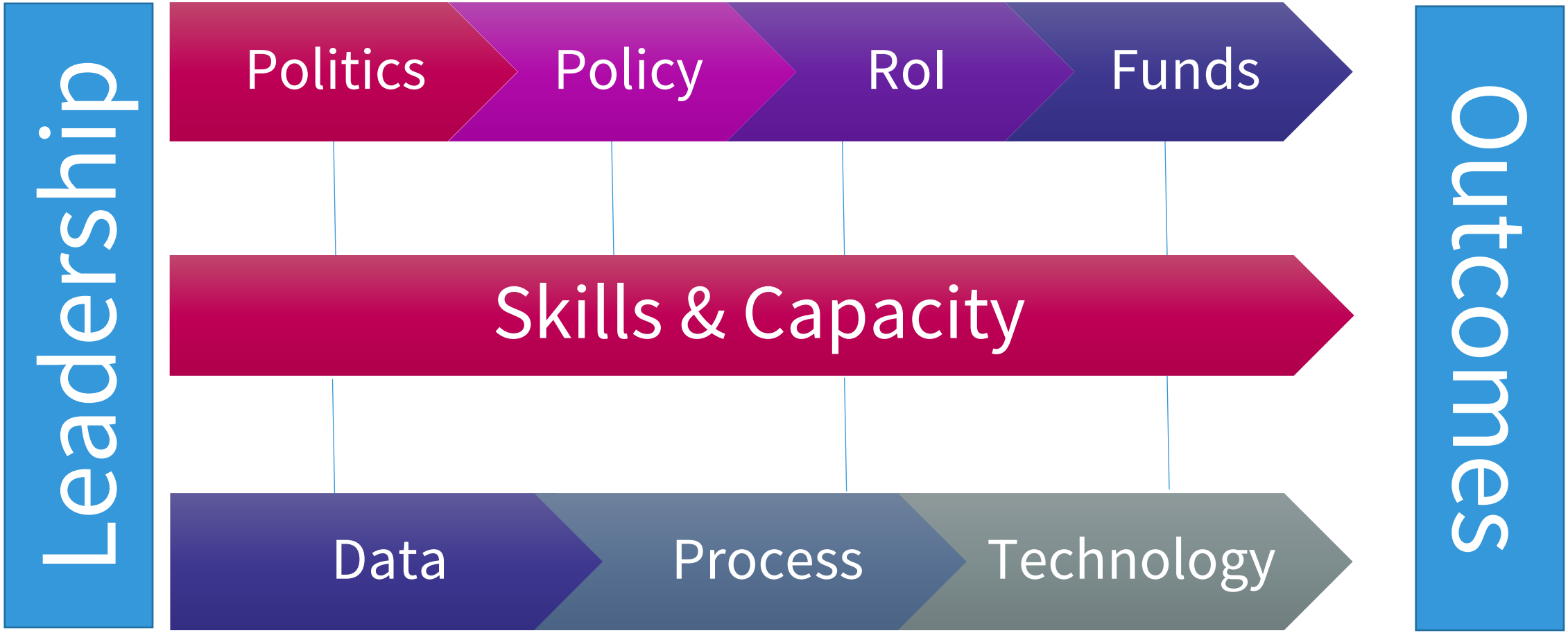
A wider view of the necessary platform for progress ?



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Rockefeller 100 Resilient Cities

Ordnance Survey is proud to announce it has been welcomed as a Rockefeller 100 Resilient Cities Platform Partner.

Cities in the programme will be able to request a site based assessment of how geospatially ready they are to face their cities resilience challenges, now and in the future.

Visit http://www.100resilientcities.org to find out more.

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Merci شكر Takk Obrigado

谢谢 Salamat Thank you

Gracias 感謝 Bedankt

Shukrani ขอบคุณ Grazie

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