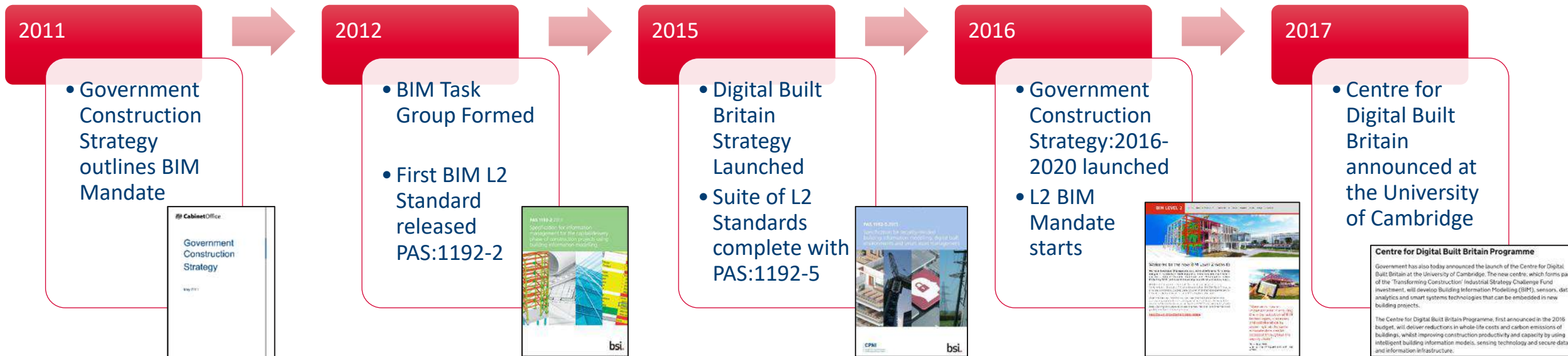


Introduction to the Centre for Digital Built Britain

Dr Jennifer Schooling

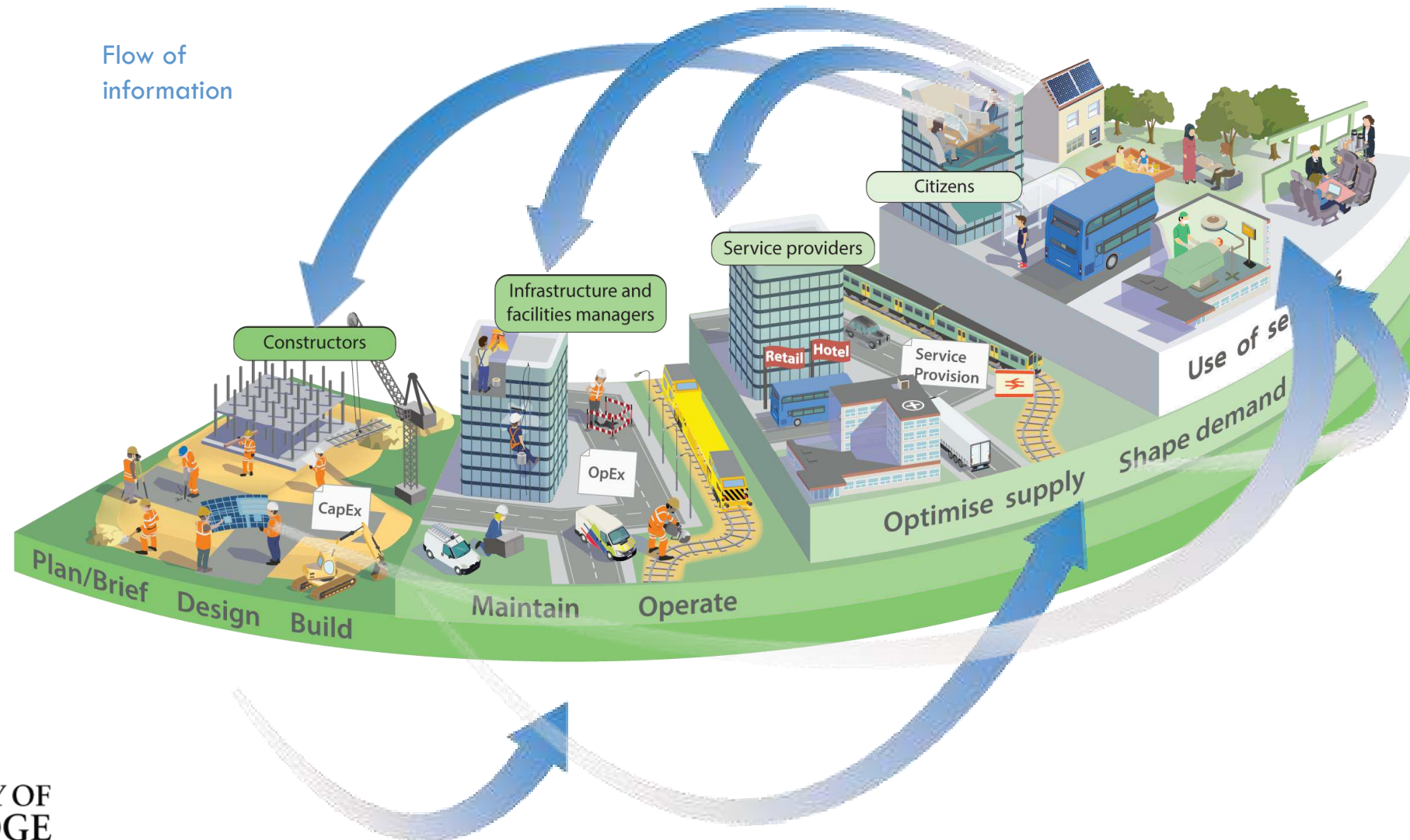
Director, CDBB Research Bridgehead

A Short History: Digital Built Britain

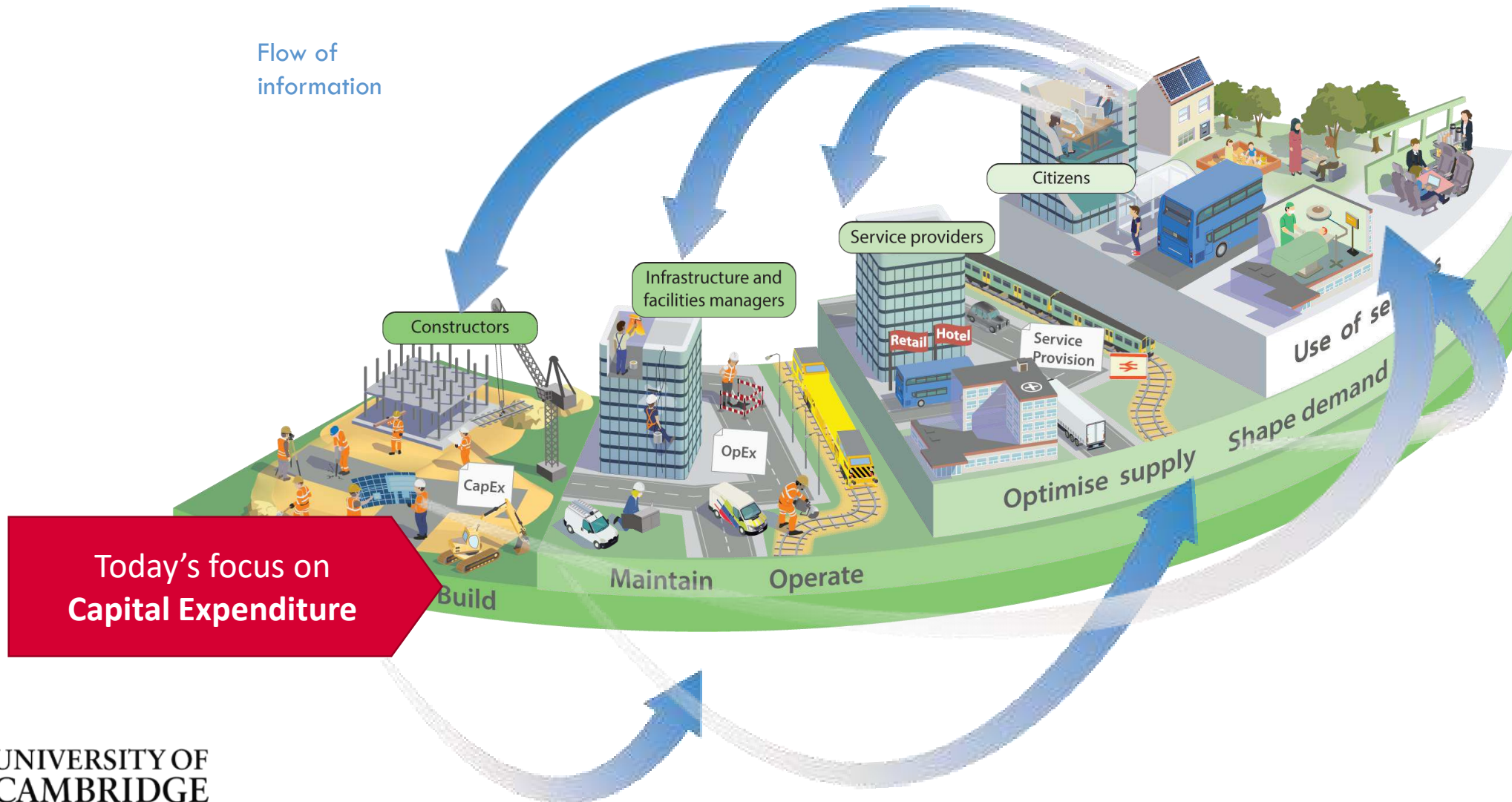


What is a Digital Built Britain?

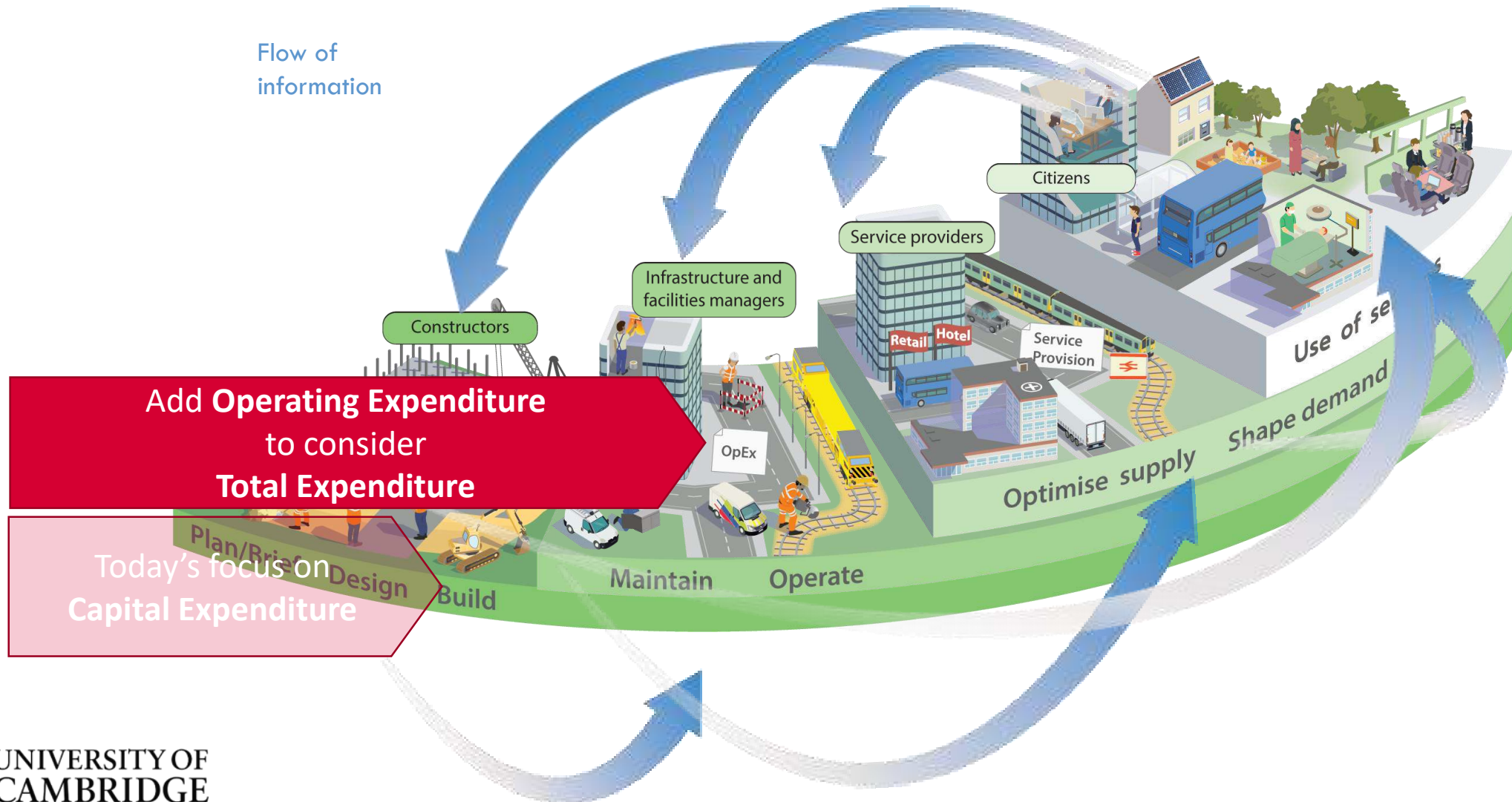
Using digital information to better design & build, and operate & integrate our built environment



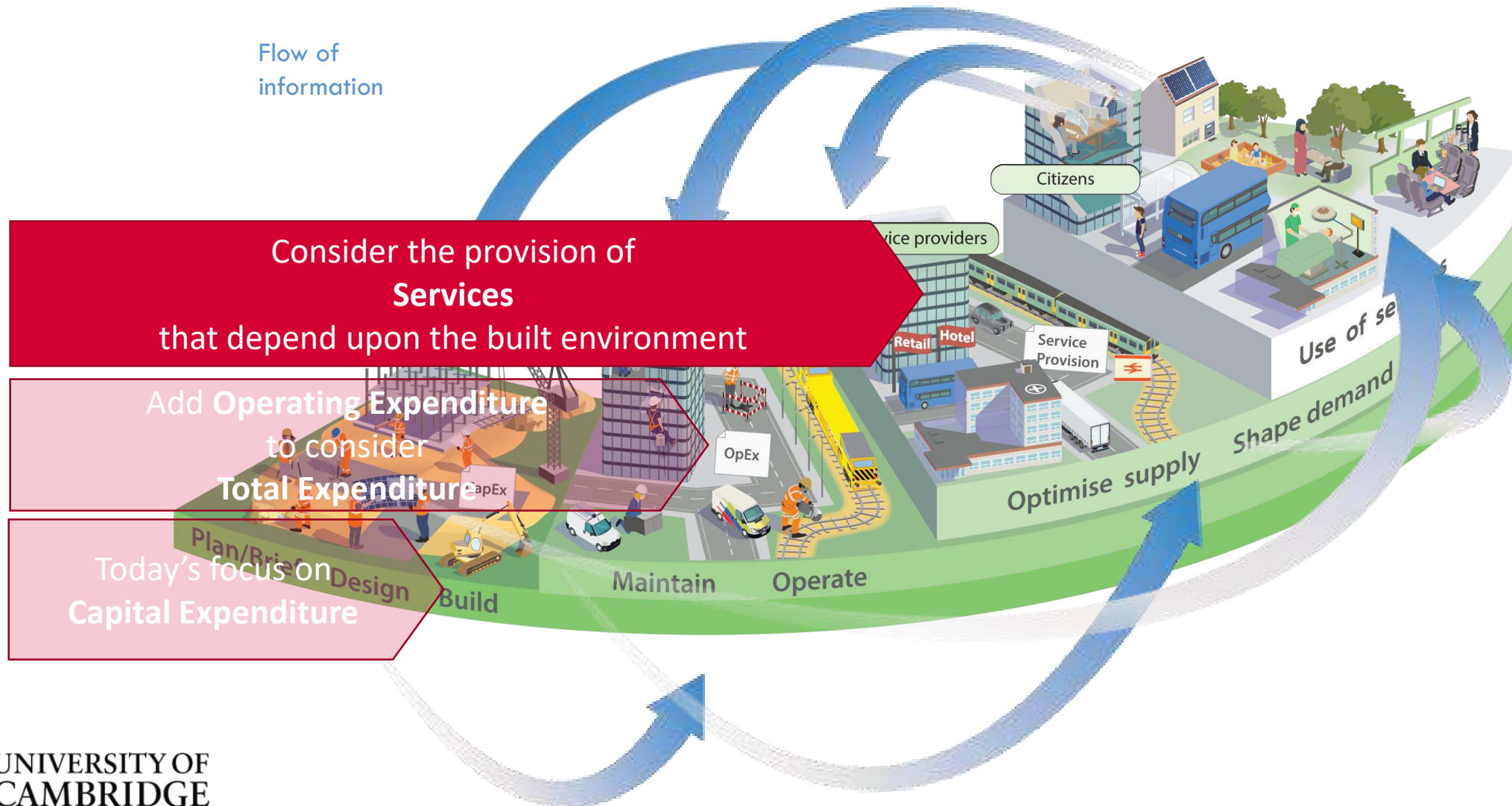
Digital Built Britain – a shifting focus from using data to reduce the Capital Costs of built assets



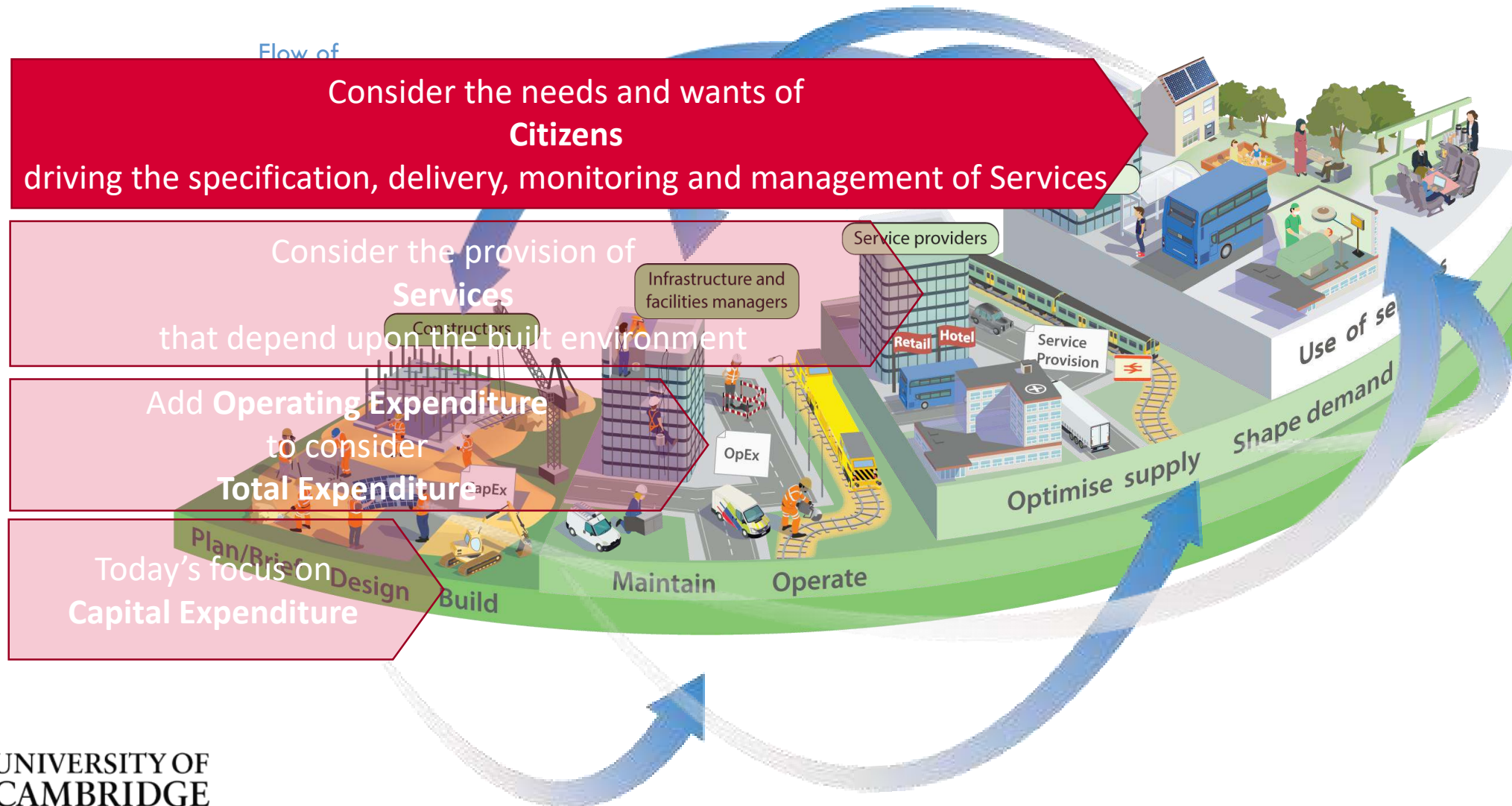
... to using data to optimise Total Expenditure through-life...



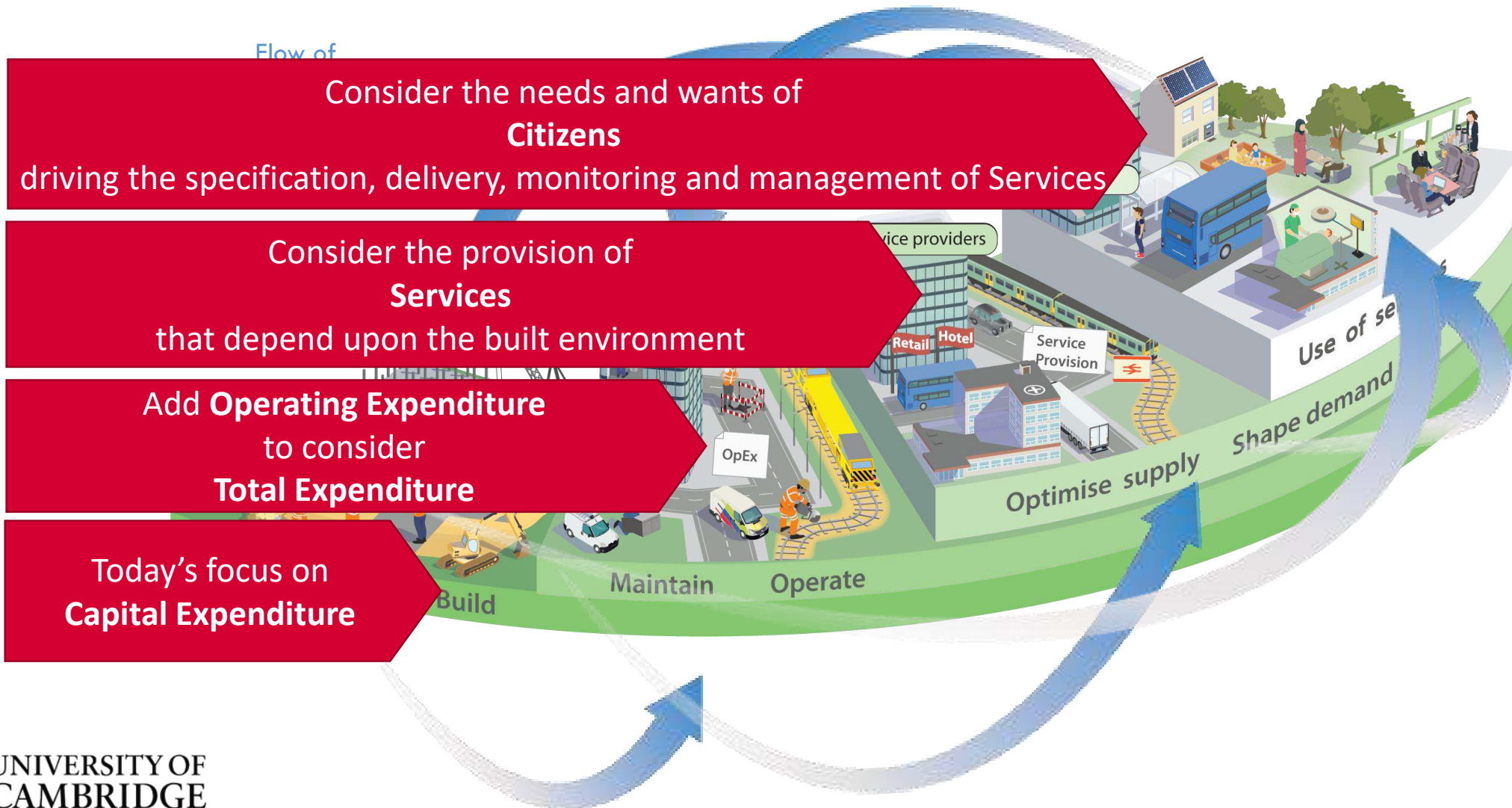
... towards using data to optimise the services that are delivered depending upon the built environment ...



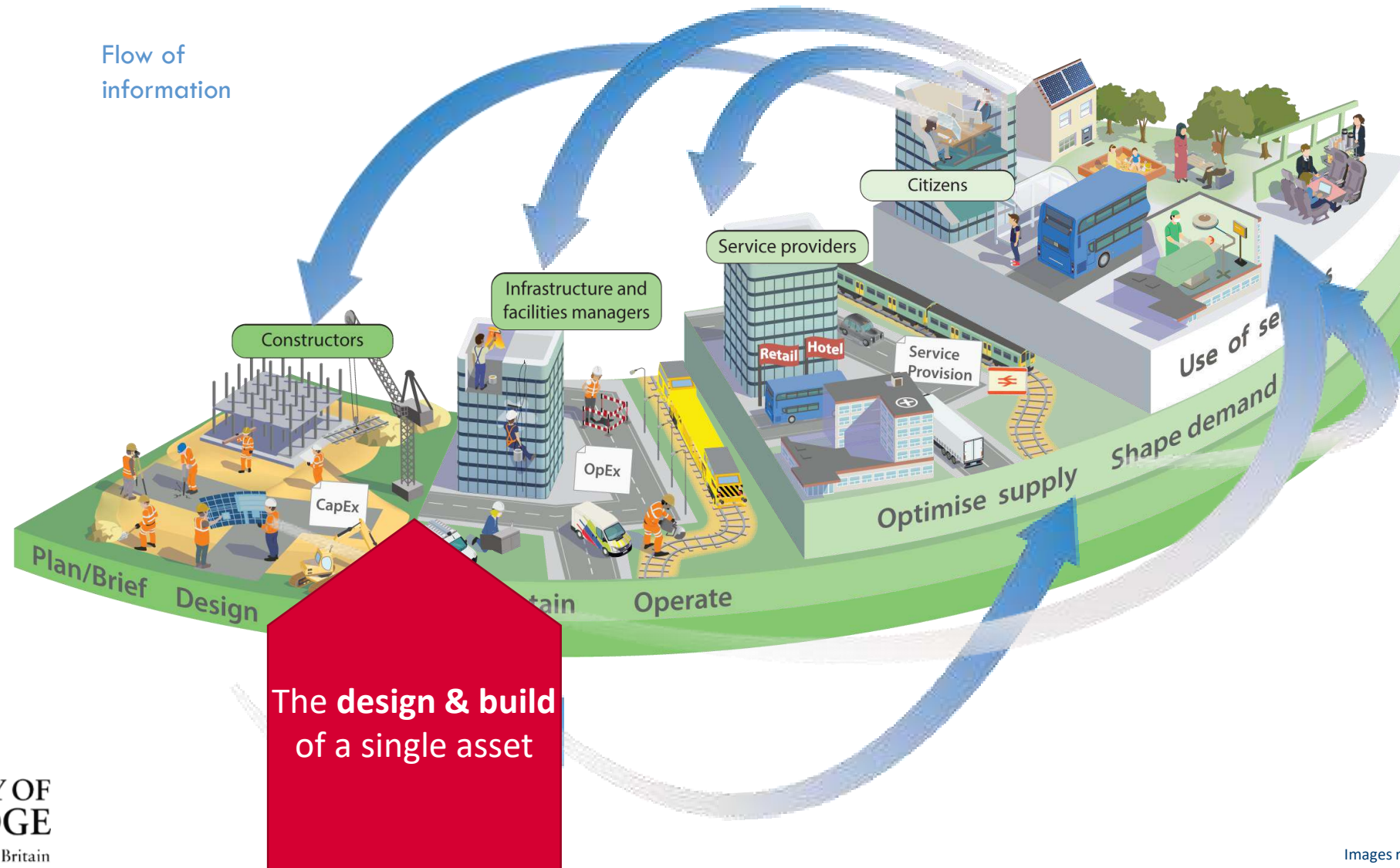
... to the ways that citizens use and interact with the data that enables quality of life in digital built Britain



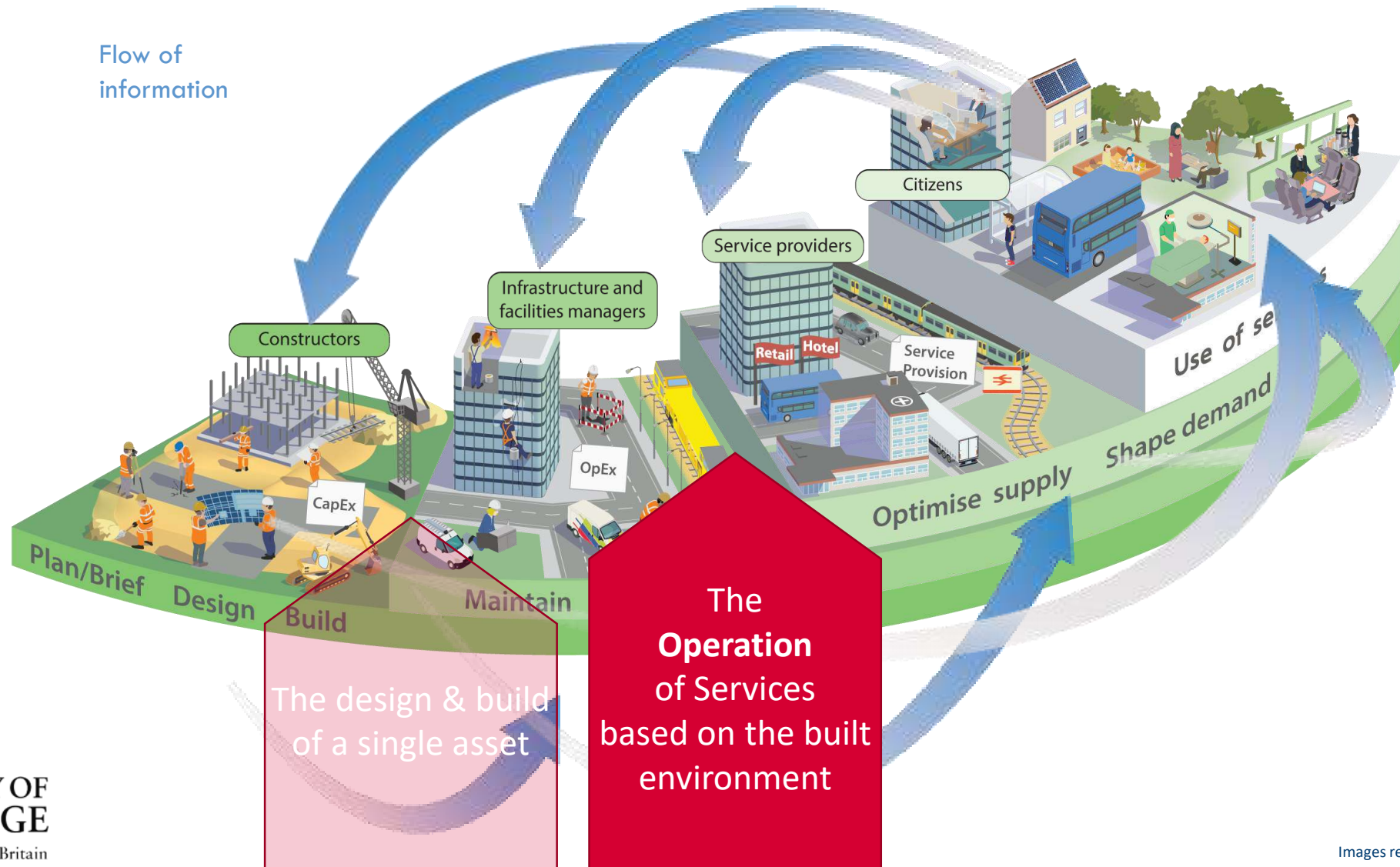
So we will consider the citizen, using integrated services, based on built assets, enabled by data



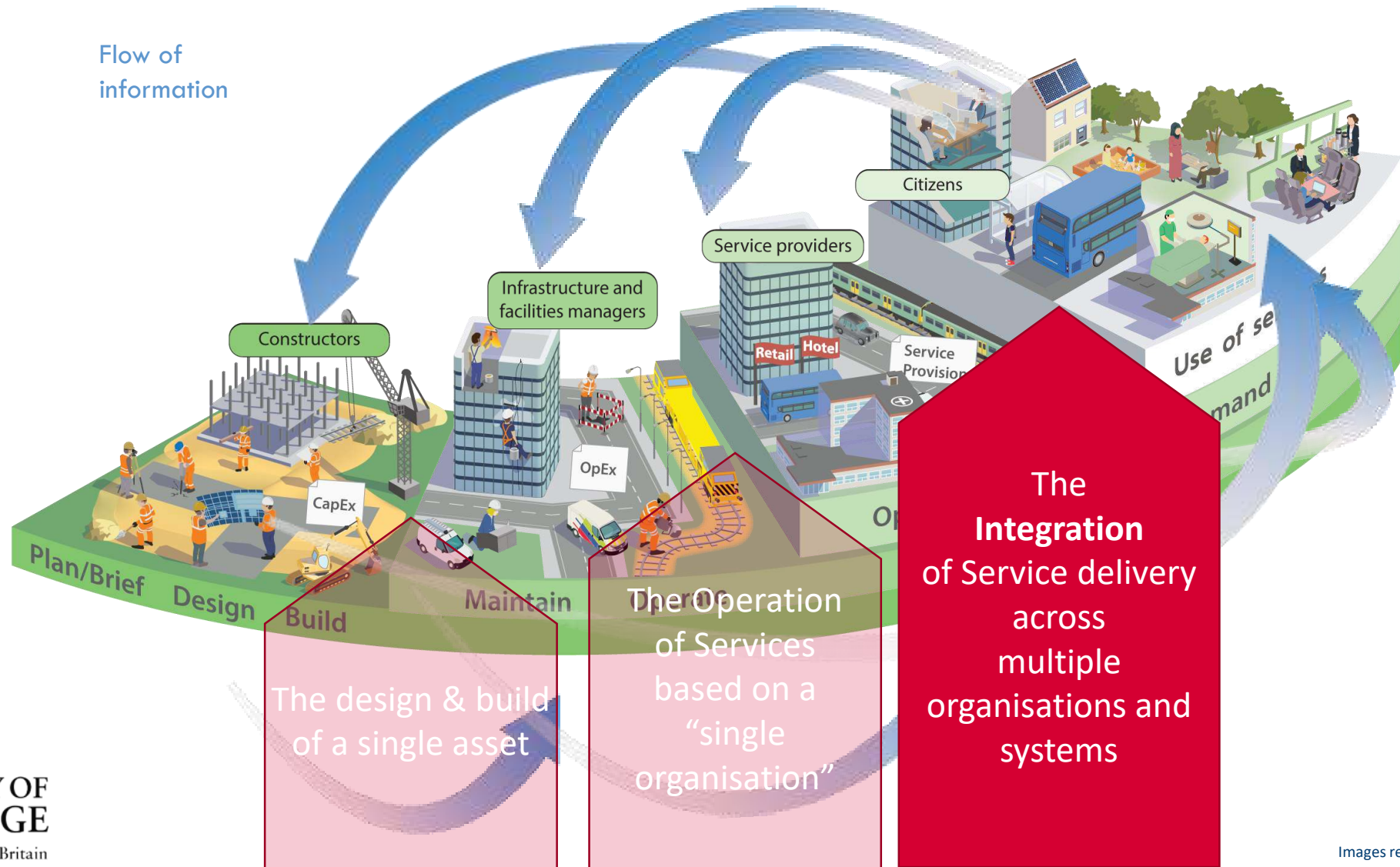
Digital Built Britain – from data to better design & build of an asset ...



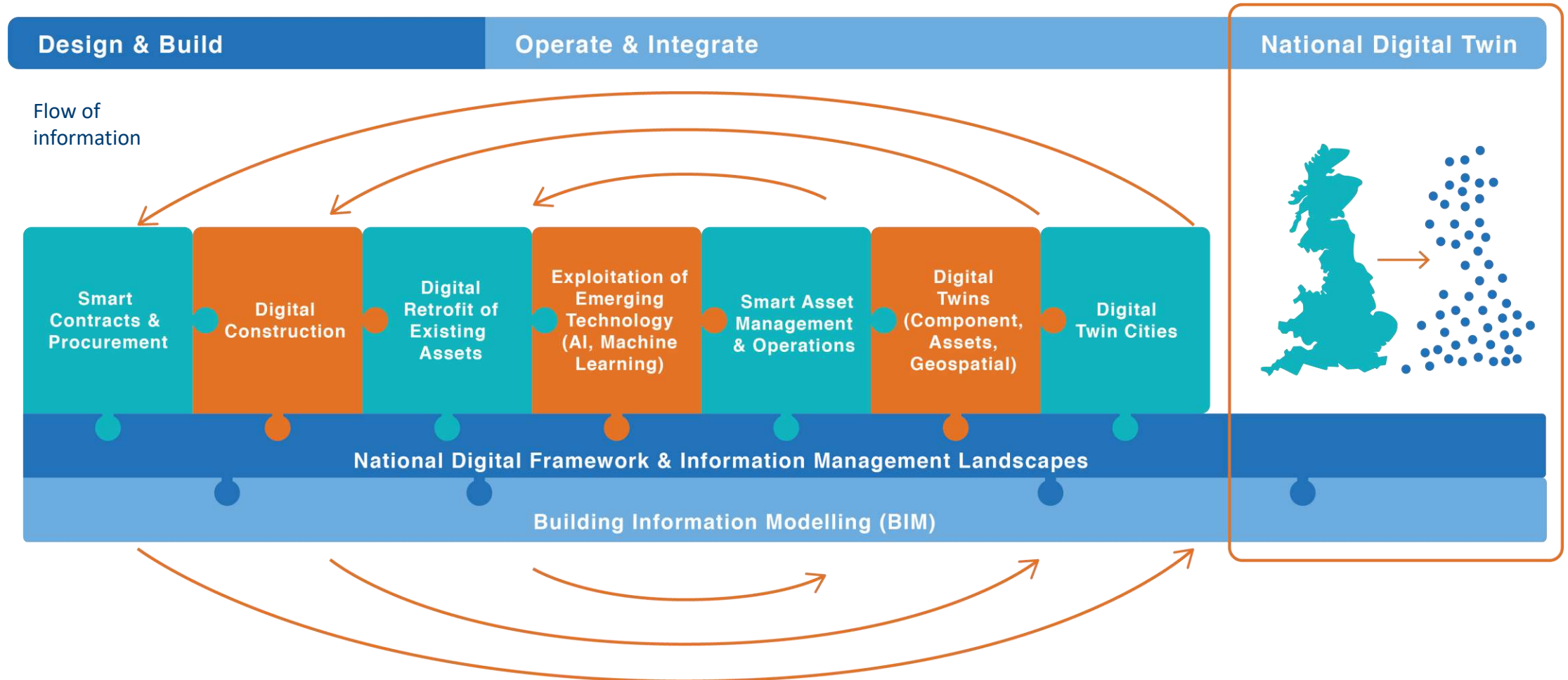
... to data to better operate services ...



... to data to integrate services for a better quality of life



Technical drivers towards a digital built Britain



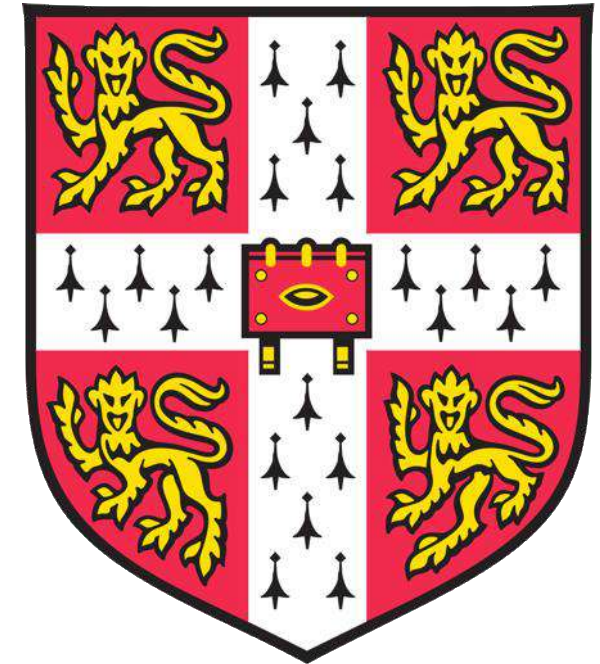
Enablers of a digital built Britain

Technology alone is not enough to deliver change.
The journey towards a digital built Britain will be enabled
by:

- Education & training
- Industry, policy maker & academic engagement
- International export of skills, standards and technology
- Policy development
- Certifications, regulation and standards
- Case studies and demonstrators from research & industry
- Improved data governance and ethics
- Improved contract and procurement law
- Management and organisational change.

The Centre for Digital Built Britain's Mission

To develop and demonstrate policy and practical insights that will enable the exploitation of new and emerging technologies, data and analytics to enhance the natural and built environment, thereby driving up commercial competitiveness and productivity, as well as citizen quality of life and well-being.



CDBB Governance

Strategic Advisory Board
Chaired by Prof. Lord Mair

Management Advisory Group



Prof. Andy Neely
Director



Dr. Jennifer Schooling
Director of Research
Bridgehead



Alexandra Bolton
Deputy Director



Dr. Barry Blackwell



Alex Luck



Dr. Mark Bew



Dr. Ioannis Brilakis

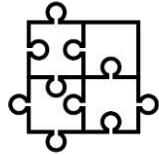


Dr. Ajith Parlikad

CDBB's programmes



Design
& Build



Operate &
Integrate



Education
& Training



Security



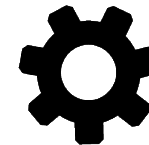
International



Engagement



Research



Operations

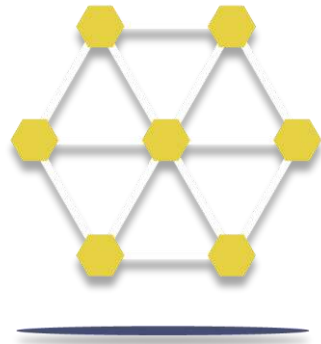


Research Bridgehead

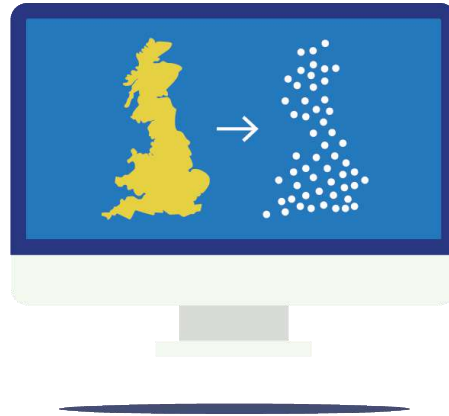
- The research bridgehead enables innovative research to become part of professional practice
- Funds multi-disciplinary, multi-institution research programmes and networks that bring together academic, policy makers and industry
- Provides the long term research agenda needed to deliver the ambitions of the Digital Built Britain programme

National Infrastructure Commission

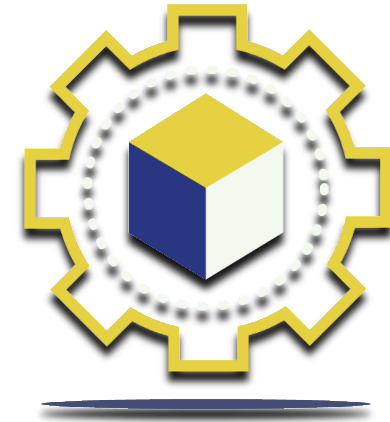
Data for the Public Good Report recommendations



The Government should task the Centre for Digital Built Britain (CDBB) with the establishment of a digital framework for infrastructure data. A Digital Framework Task Group for infrastructure data should be established.



CDBB should collaborate with the Alan Turing Institute (ATI) and the UK Infrastructure Transitions Research Consortium (ITRC) in pioneering digital twin models with predictive capability in the UK.



Coordination of key players through the Digital Framework Task Group

Questions?

Collaborate with CDBB

engagement@cdbb.cam.ac.uk

www.cdbb.cam.ac.uk

@CambridgeCDBB