



UKCRIC

UK COLLABORATORIUM
FOR RESEARCH ON
INFRASTRUCTURE & CITIES
**Inspired infrastructure
for better living**

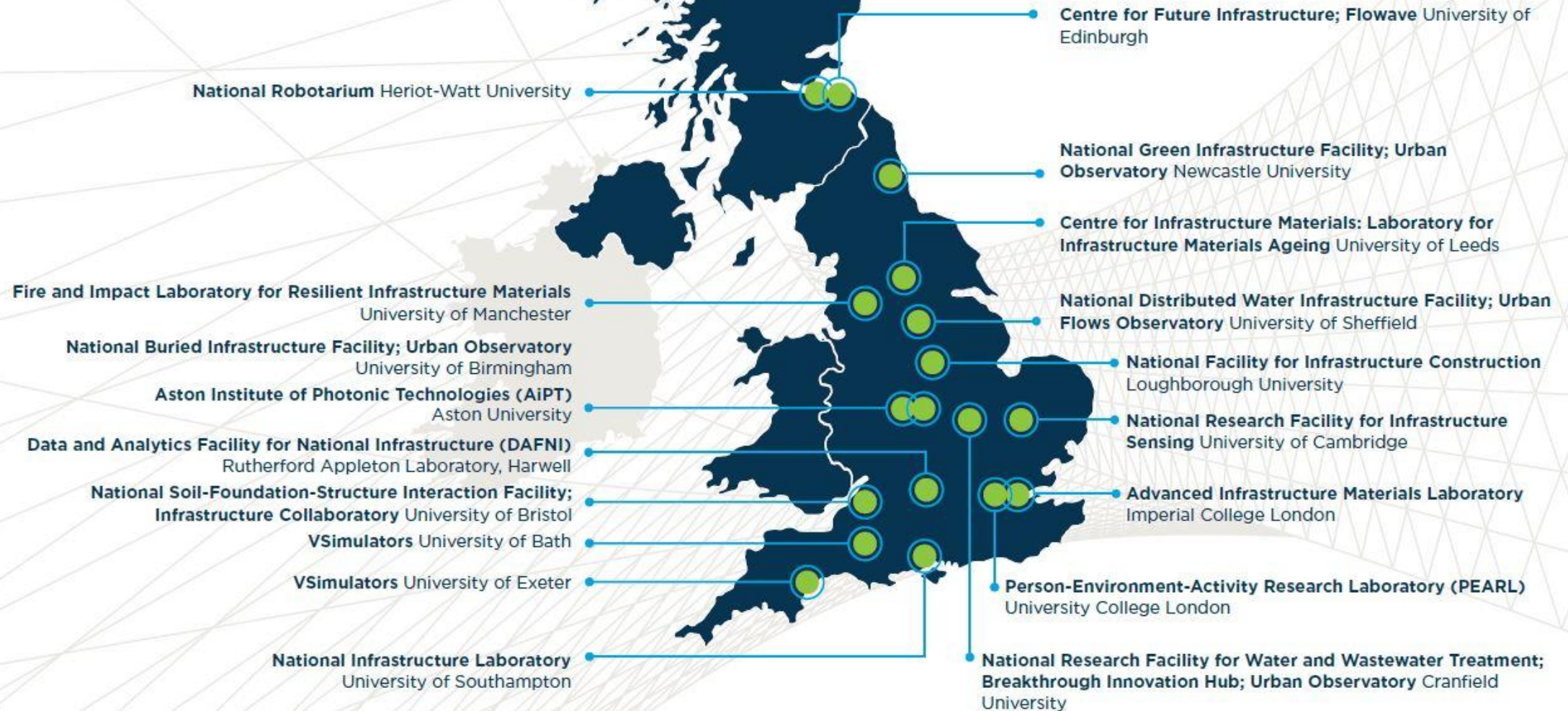
Introducing UKCRIC

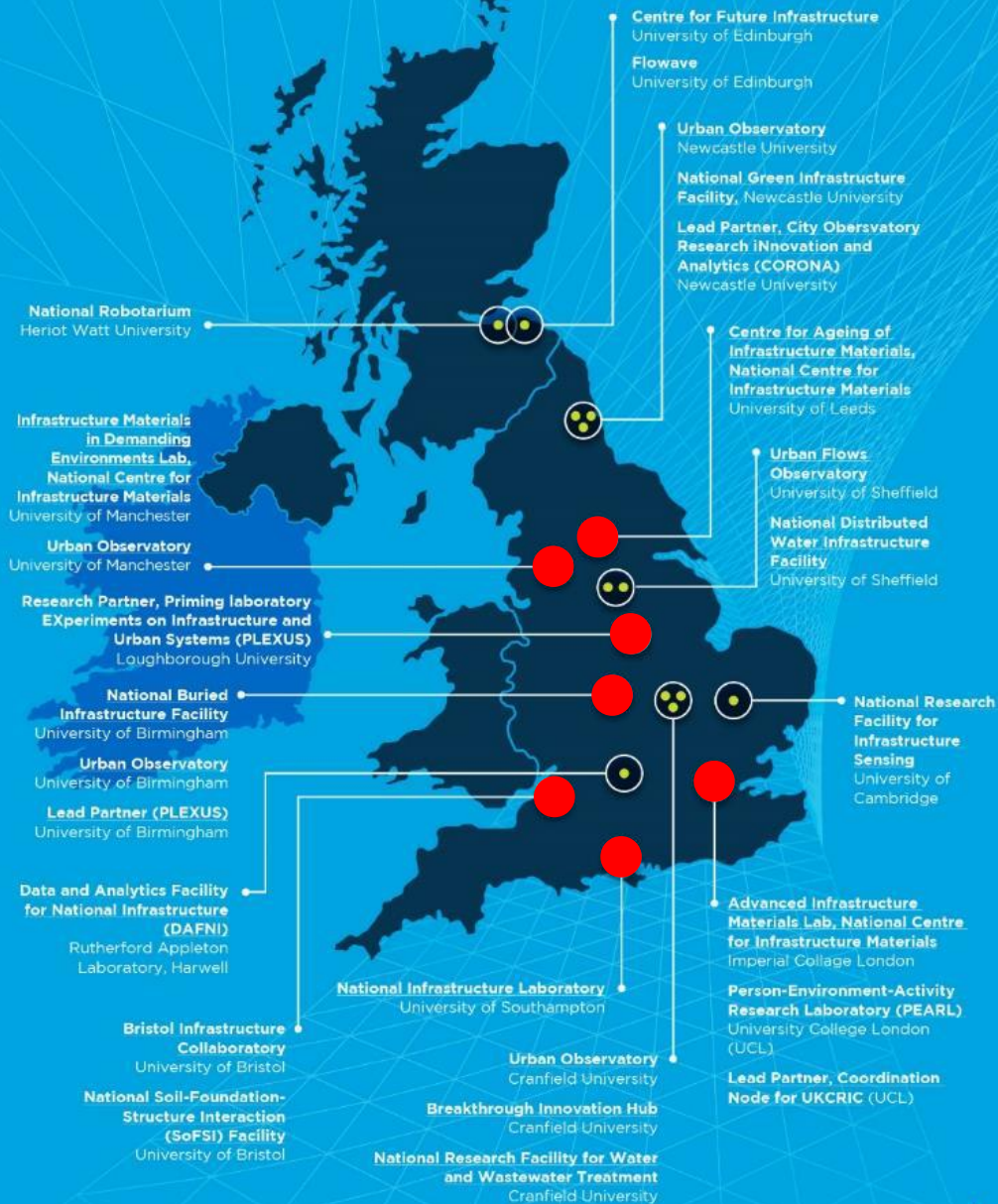
9th July 2024

Chris Rogers, Deputy Convenor of UKCRIC

Joanne Leach, UKCRIC Executive Manager

Where to Find Us





Built Infrastructure Cluster

National Buried Infrastructure Facility, University of Birmingham

National Soil-Foundation-Structure Interaction Laboratory, University of Bristol

Centre for Infrastructure Materials, University of Leeds

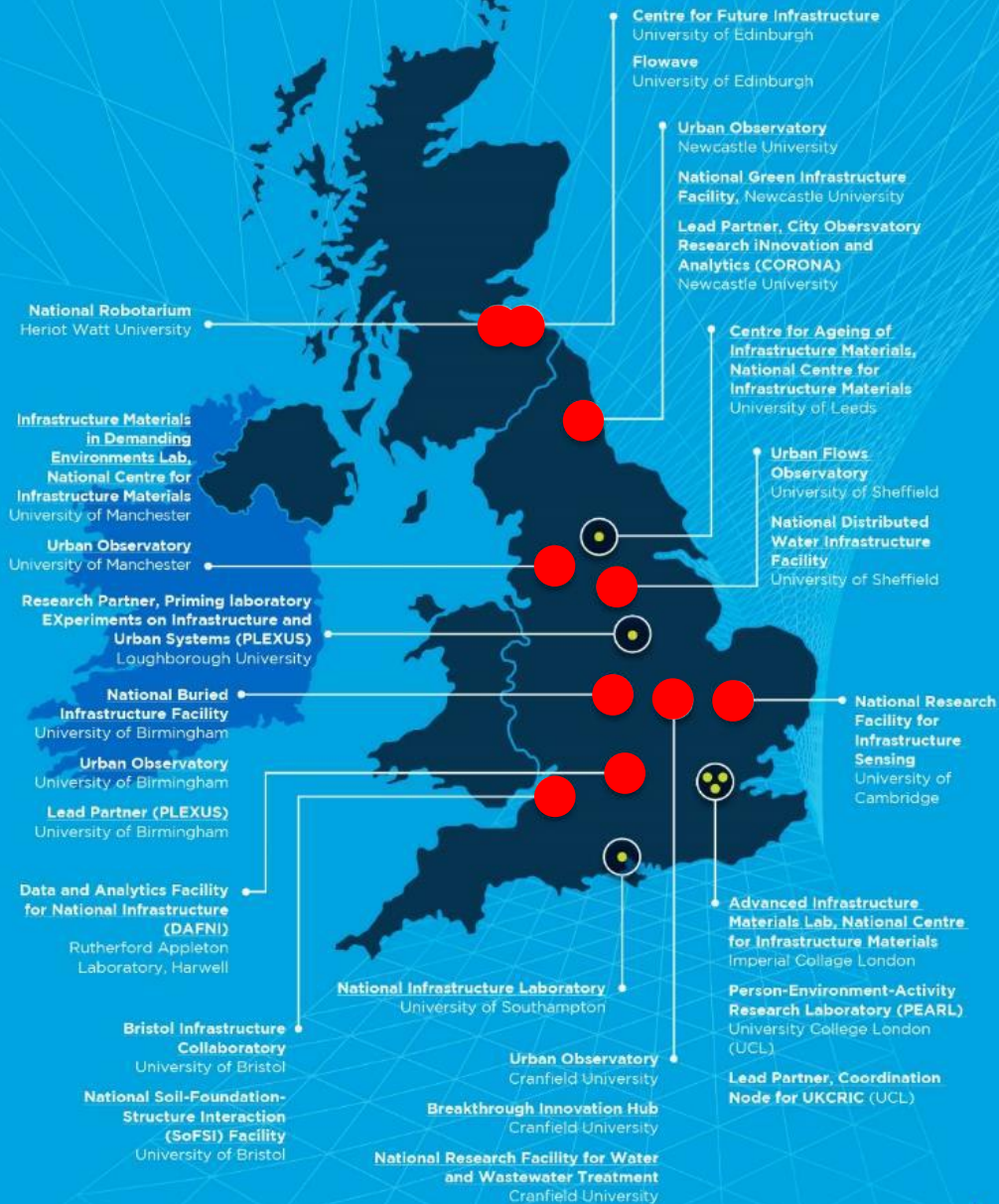
Advanced Infrastructure Material Laboratory, Imperial College London

Fire and Impact Laboratory for Resilient Infrastructure Materials, University of Manchester

National Infrastructure Laboratory, University of Southampton

The National Facility for Infrastructure Construction, University of Loughborough

VSimulators, Universities of Exeter and Bath



Data Driven Solutions Cluster

The Data & Analytics Facility for National Infrastructure (DAFNI)

Urban Observatory Network

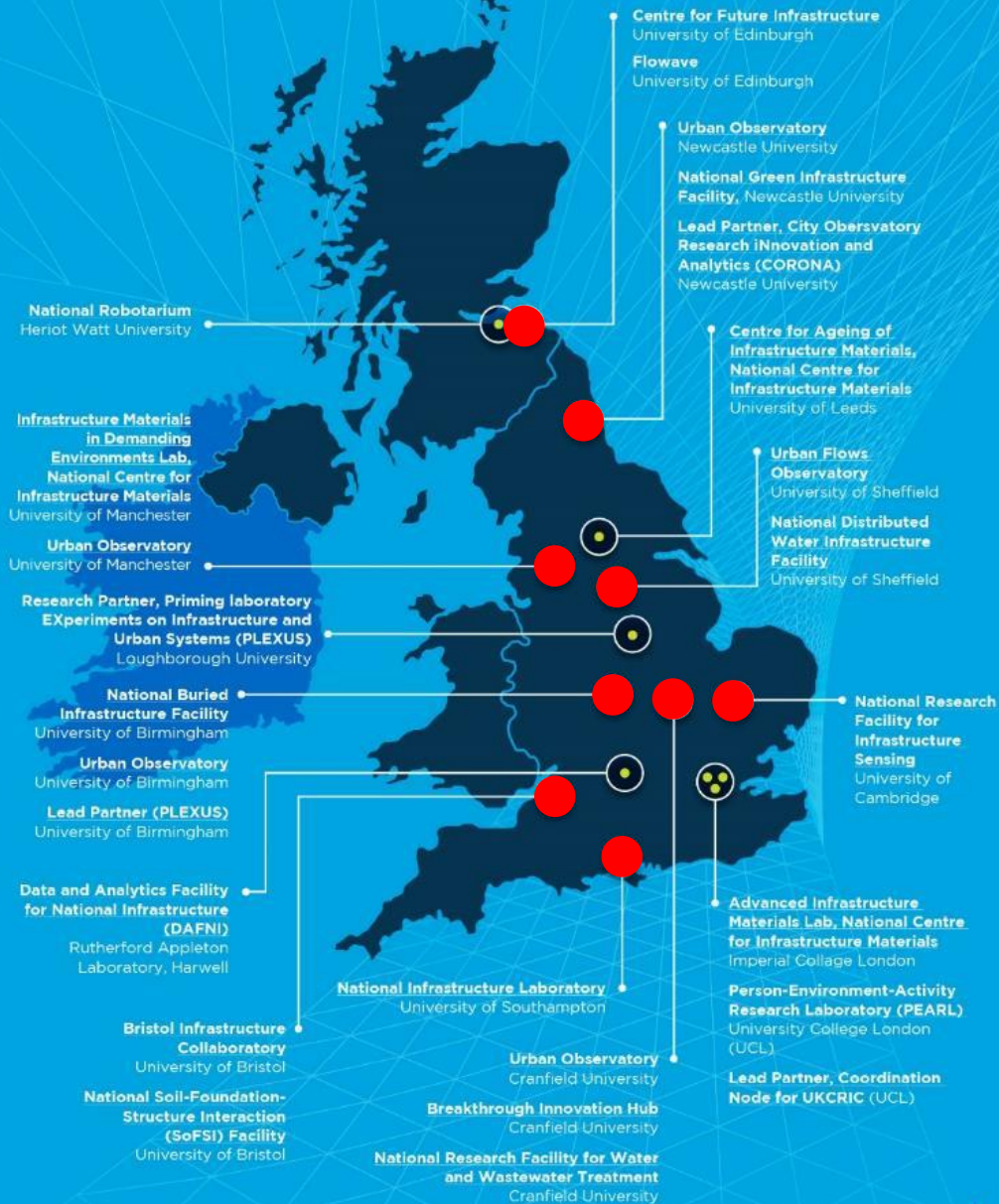
National Research Facility for Infrastructure Sensing, University of Cambridge

The National Robotarium, Universities of Heriot-Watt & Edinburgh

Centre for Future Infrastructure, University of Edinburgh

National Green Infrastructure Facility, Newcastle University

Aston Institute of Photonic Technologies



Energy Systems Cluster

National Infrastructure Laboratory, University of Southampton

Urban Observatory Network

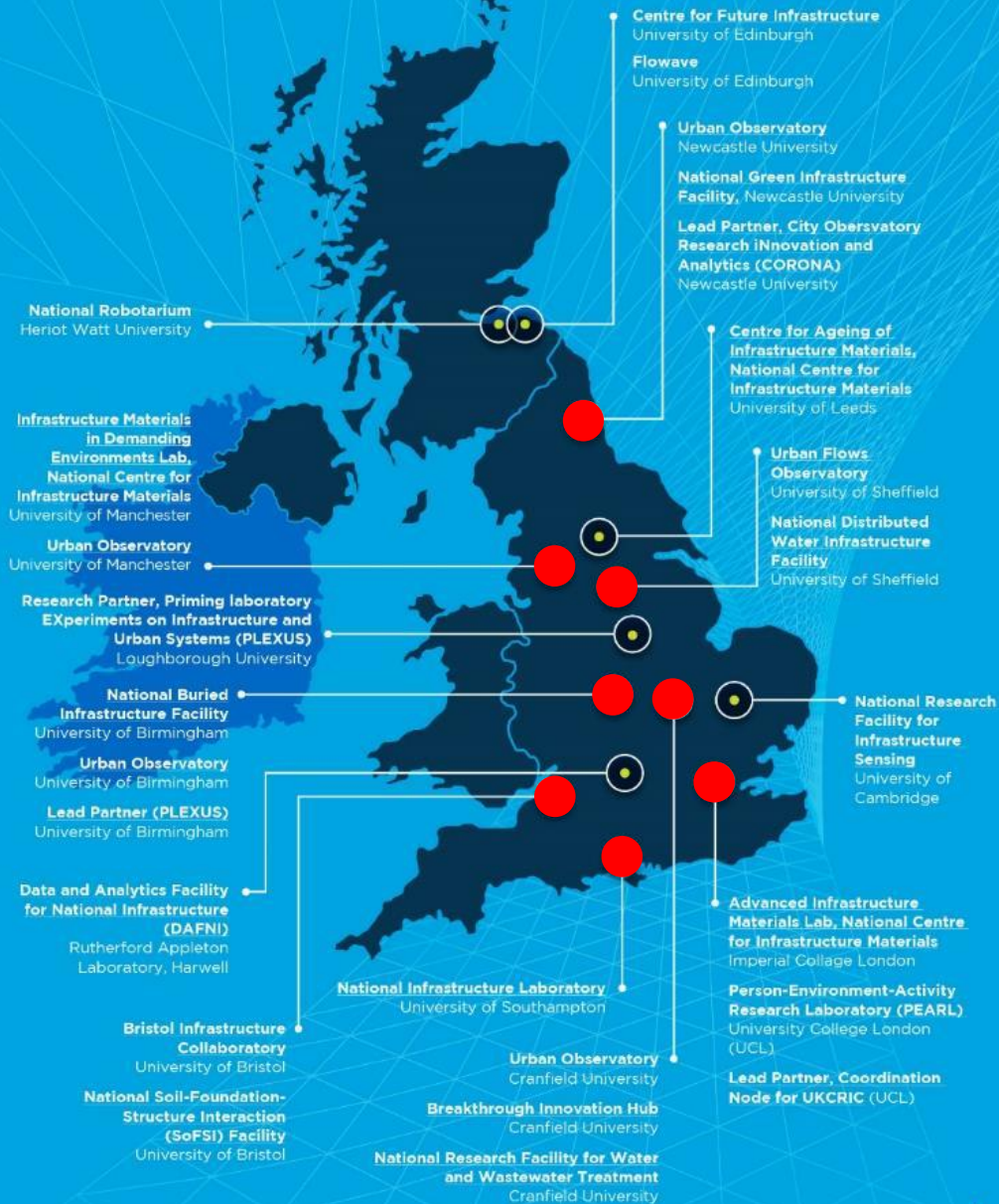
Centre for Future Infrastructure, University of Edinburgh

National Green Infrastructure Facility, Newcastle University

National Research Facility for Water and Wastewater Treatment, Cranfield University

National Distributed Water Infrastructure Facility, University of Sheffield

National Research Facility for Infrastructure and Sensing, University of Cambridge



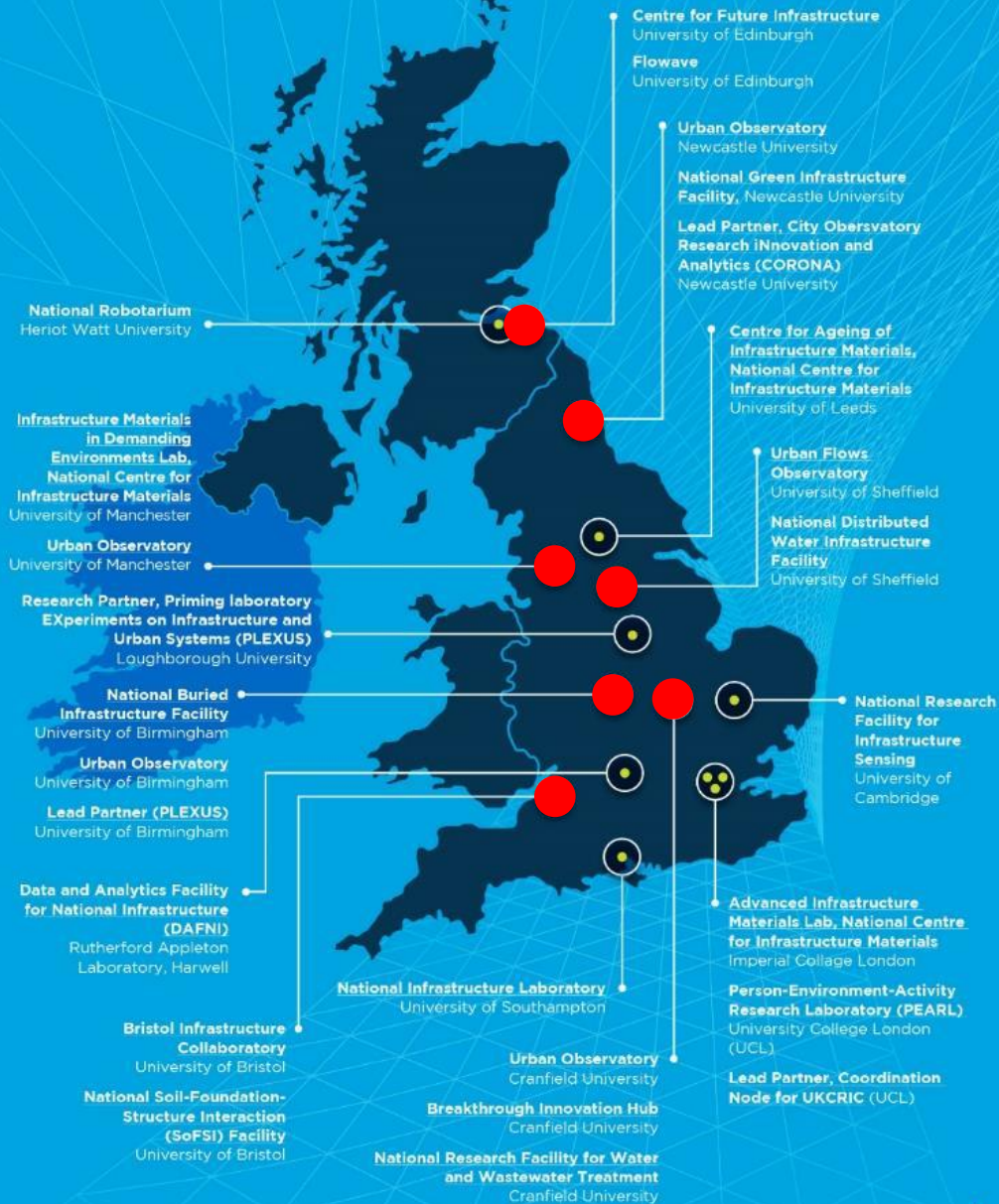
Transport and Mobility Cluster

National Infrastructure Laboratory, University of Southampton

National Buried Infrastructure Facility, University of Birmingham

Person-Environment-Activity Research Laboratory, University College London

Urban Observatory Network



Water and Environment Cluster

National Distributed Water Infrastructure Facility,
University of Sheffield

National Research Facility for Water and Wastewater
Treatment, Cranfield University

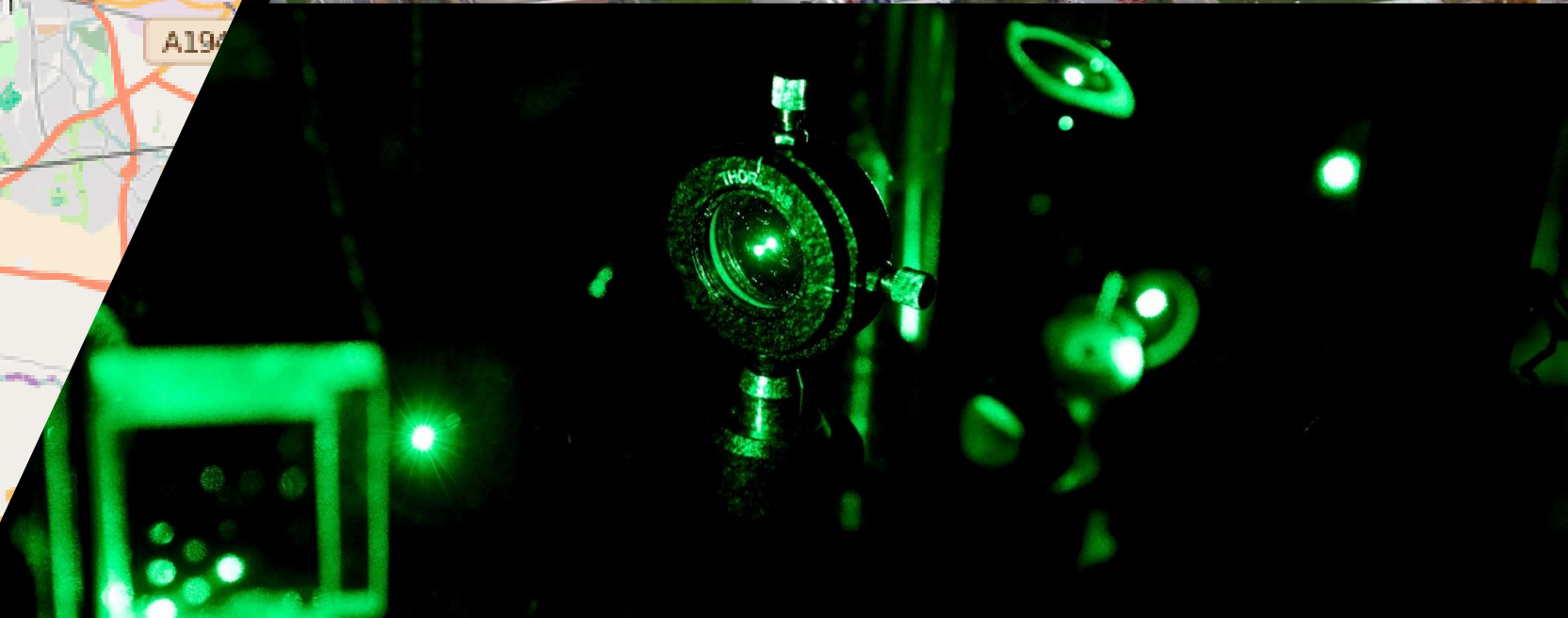
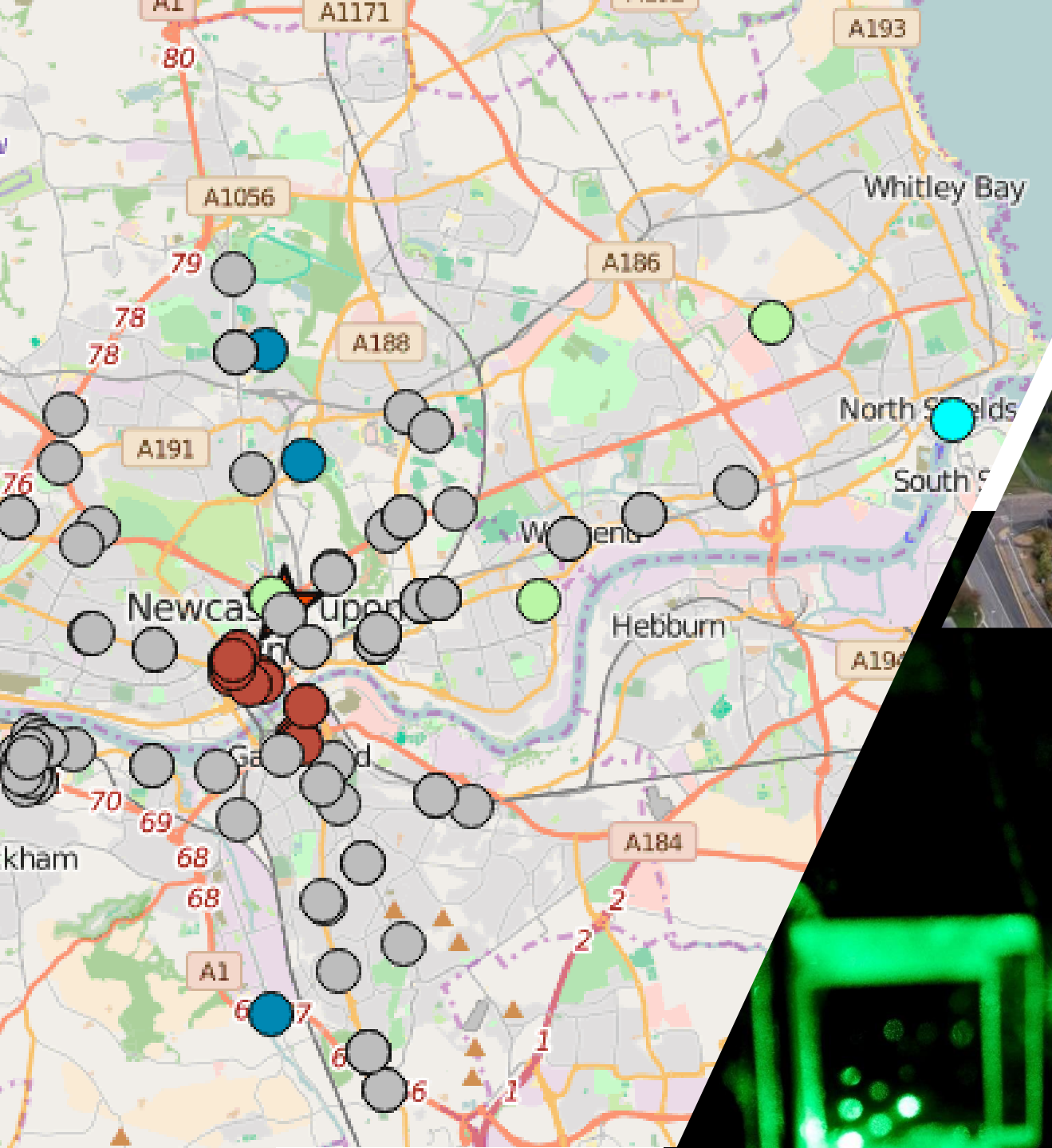
Centre for Future Infrastructure, University of
Edinburgh

National Green Infrastructure Facility, Newcastle
University

Urban Observatory Network

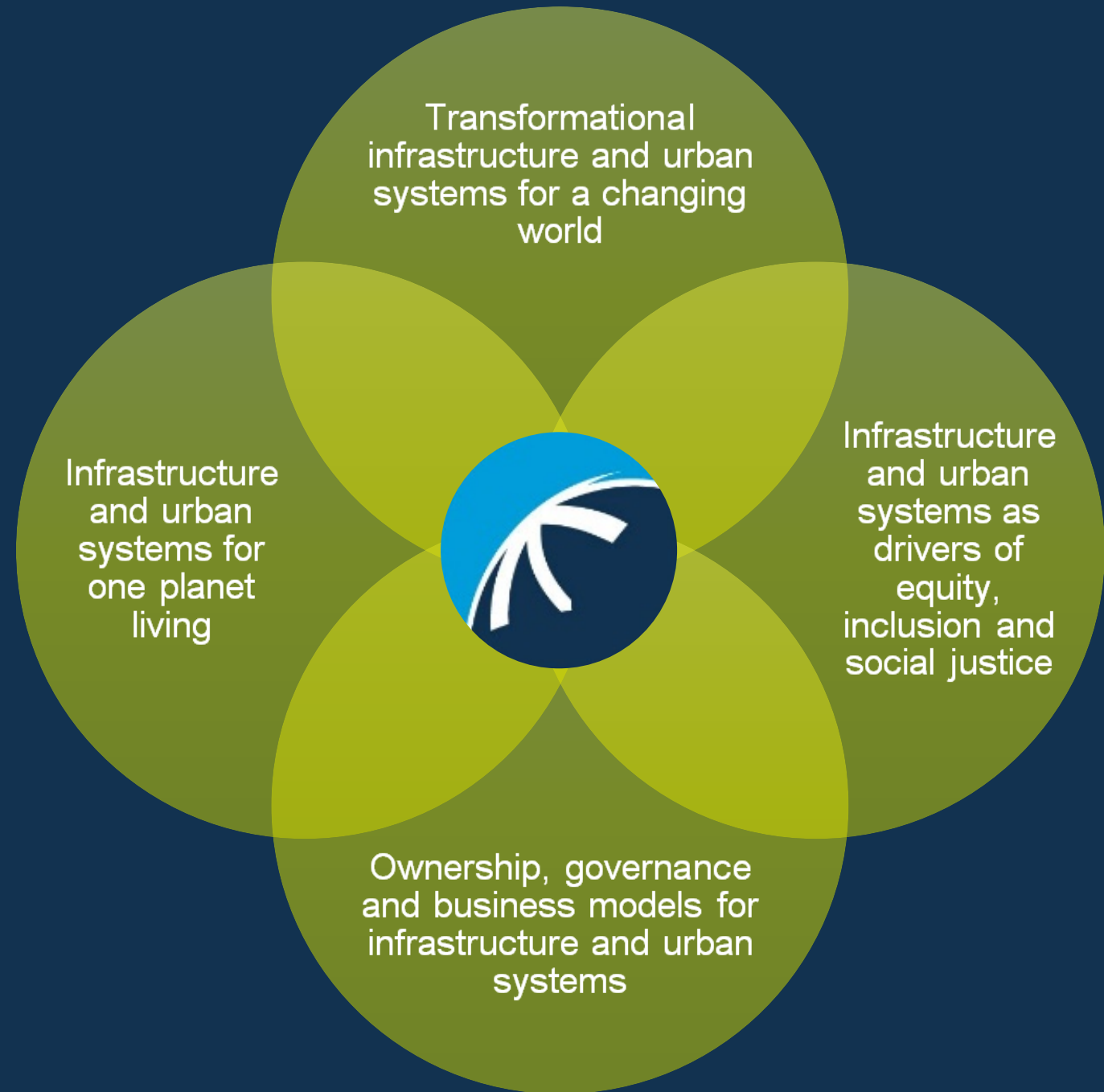






UKCRIC's work is driven by four Scientific Missions, each working to develop and deliver breakthrough research for the benefit of society.

The Scientific Missions are the framing through which UKCRIC facilitates the delivery of interconnected, integrated and transdisciplinary research programmes and projects.





UKCRIC™

UK COLLABORATORIUM
FOR RESEARCH ON
INFRASTRUCTURE & CITIES



UKCRIC™
FACILITIES

National research
infrastructure



UKCRIC™
NETWORK

Research network
headquartered
at UCL



UKCRIC™
IMPACT

Company limited
by guarantee

UKCRIC's Mission

To connect research with policy and practice in
infrastructure and urban systems

The UKCRIC Ambition

- UKCRIC to be recognised as THE international centre for infrastructure and cities research
- UKCRIC to be the go-to place for advice to policymakers and government – Ministers, Chief Scientific Advisors, Departmental Science Advisory Councils, Special Advisors, etc.
- Intimate linkage with Local Authorities for delivery of 21st Century cities and infrastructure
- Strong collaborations with industry to promote technological and technical advance
- Engagement with educators, community groups and the general public in order to involve civic society in interdisciplinary research
- Every major infrastructure and cities project to embrace systems thinking and practices through transdisciplinary and cross-sector collaborations to deliver innovation and learning

UKCRIC in Numbers (year to March 2023)

IMPACT 2022 - 2023

>£32M

RESEARCH FUNDS LEVERAGED



of which

>£1.9M

is from
COMMERCIAL SOURCES



204

RESEARCH PROJECTS using UKCRIC FACILITIES



RESEARCH PROJECTS to the value of

>£32M

using UKCRIC FACILITIES



58

NON-ACADEMIC INSTITUTIONS using UKCRIC FACILITIES



of which



24

are LARGE CORPORATE BUSINESSES



and of which



27

are SMALL and MEDIUM-SIZED ENTERPRISES



49

RESEARCH PROJECTS are with INTERNATIONAL PARTNERS



254

PUBLICATIONS

of which

232

are ACADEMIC PUBLICATIONS



Skills and Training

Professional and Policymaker Training

Centres for Doctoral Training Programme

- Supporting member's CDTs with added-value skills and training opportunities

Doctoral Skills Network

- Over 200 doctoral students

C-DICE Centre for Postdoc Development in Infrastructure, Cities and Energy

- Training – linked to UKCRIC and Energy Research Accelerator (ERA)
- Development – funded placements and secondments
- Sandpit programme – the net zero carbon challenge
- Impact – delivering knowledge exchange events

Stakeholder Engagement

- HS2 Innovation Framework Agreement
- UKCRIC Limited
- NPC, NIC, Catapults, Innovate UK (listed RTO)
- PoliticsHome
- ICE, IET, RAEng, RS, IPA, I3P, TDAG, CIRIA, BEIS, DfT, CDBB, STFC
- Net Zero Coalition Working Group (Mott MacDonald); Resilience Shift (ARUP); London Resilience Forum
- Digital Framework Task Group, Digital Twin Working Group, PAS186 Smart Cities
- Stakeholder Advisory Group, chaired by Mark Enzer
- International Advisory Board, chaired by Lord Robert Mair

Thank you

www.ukcric.com

hello@ukcric.com

@UKCRIC on Twitter and LinkedIn

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Doctoral Skills Network sign up

<https://www.ukcric.com/skills-training/doctoral-skills-network/>