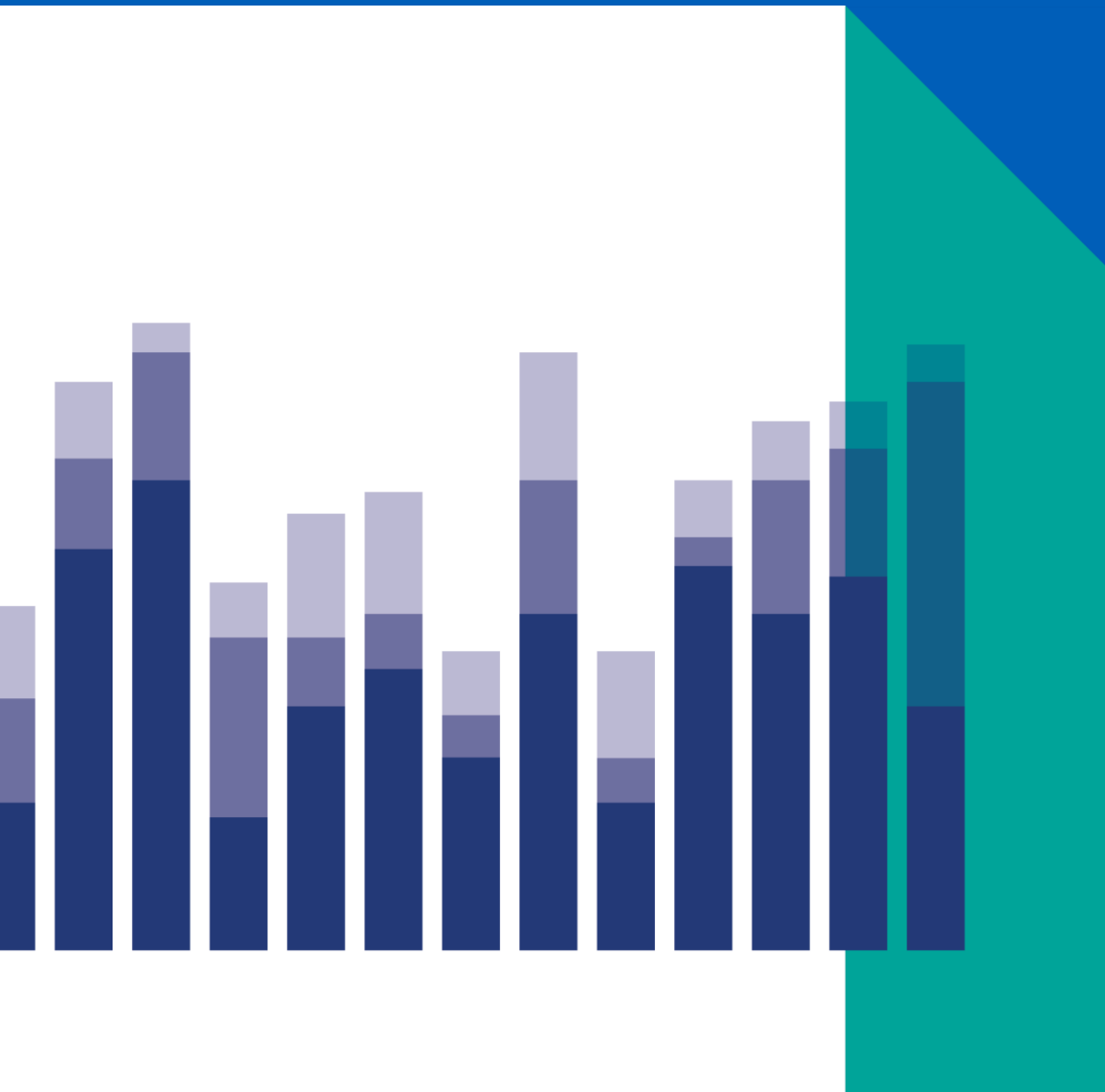


SW Secure Data Environment – Establishing a Commercial Function





Henry Ireland

Programme Director – South West
Secure Data Environment

University of Exeter, Bristol North
Somerset South Gloucestershire ICB

Agenda

What is the South West SDE?

Henry Ireland, Programme Director

Why do business in the South West? Our USP

Henry Ireland, Programme Director

Our assets, process, and commercial function development

Logan Ryan, Associate Director – Strategic Partnerships & Delivery

Housekeeping

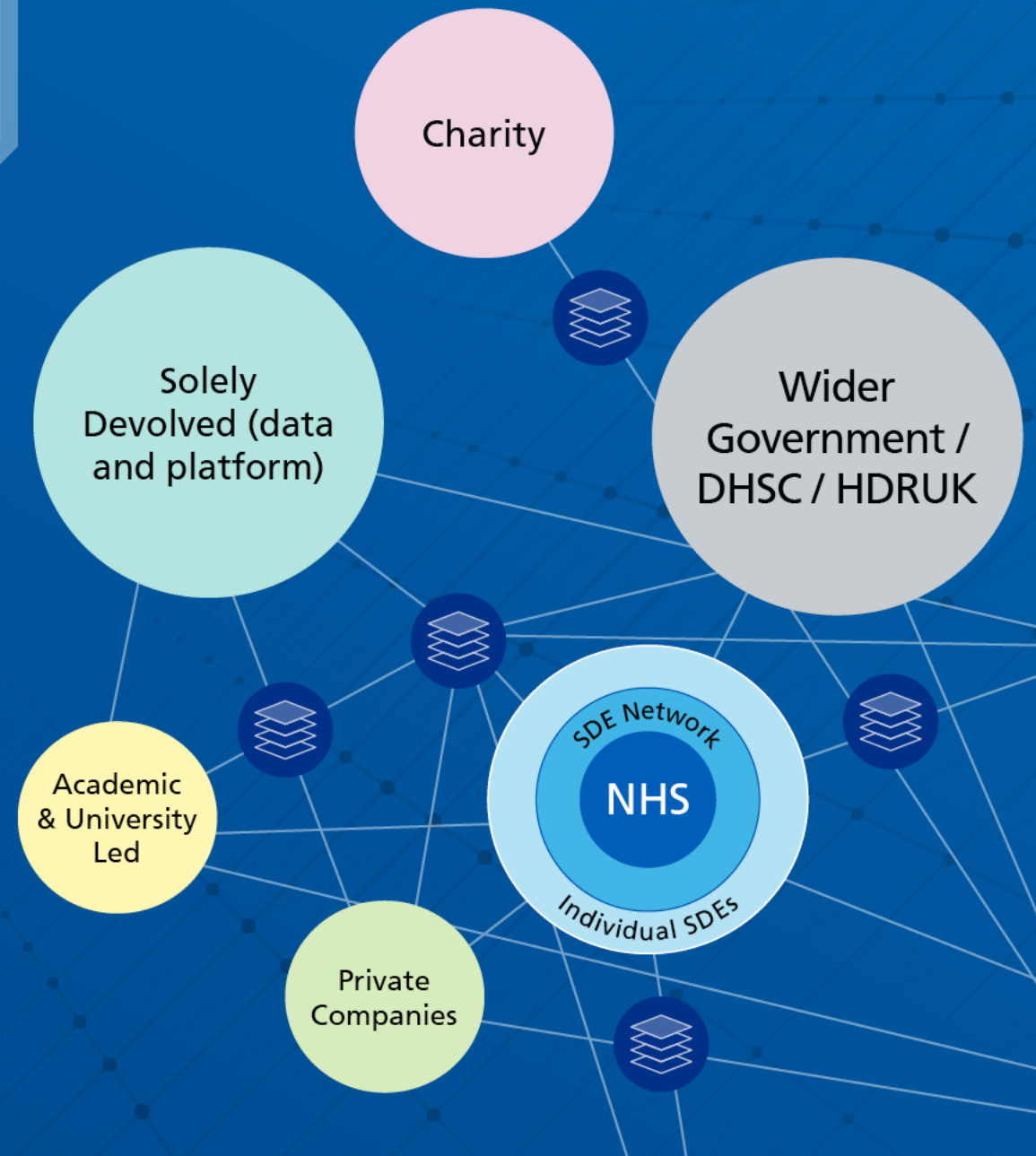
Please use the Q&A function to ask questions

You can upvote other people's questions

Complexity of existing infrastructure

The problems researchers face:

- It's been too hard to find the data researchers need
- The data is incomplete or not available for research
- Too many places and too many forms
- Applying for access takes too long

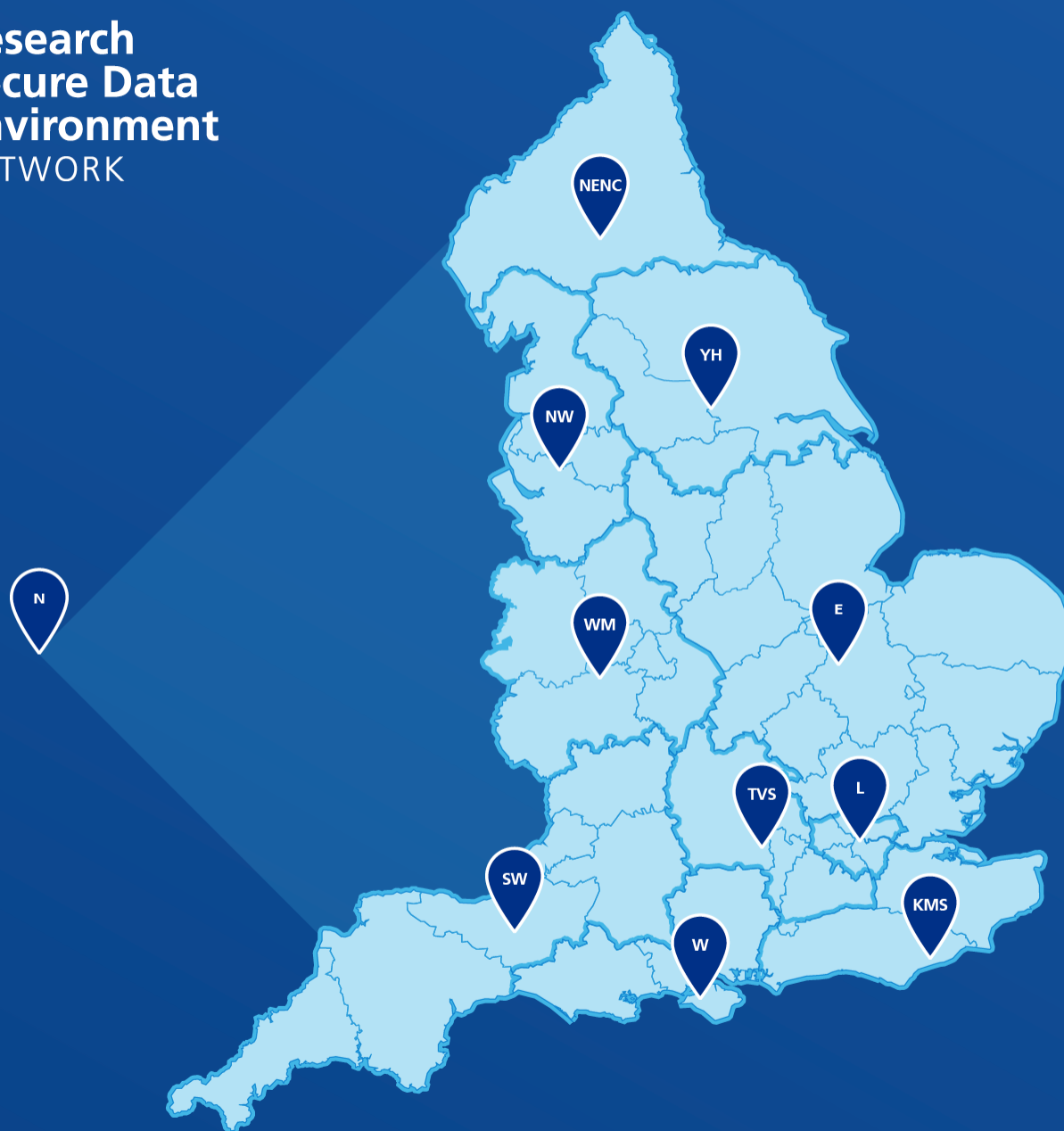


Expanding data availability for research

An England-wide, federated data network to give secure access to multi-modal health data up to national scale.

Bringing together, linking and providing access to the data generated from patient contacts with healthcare services.

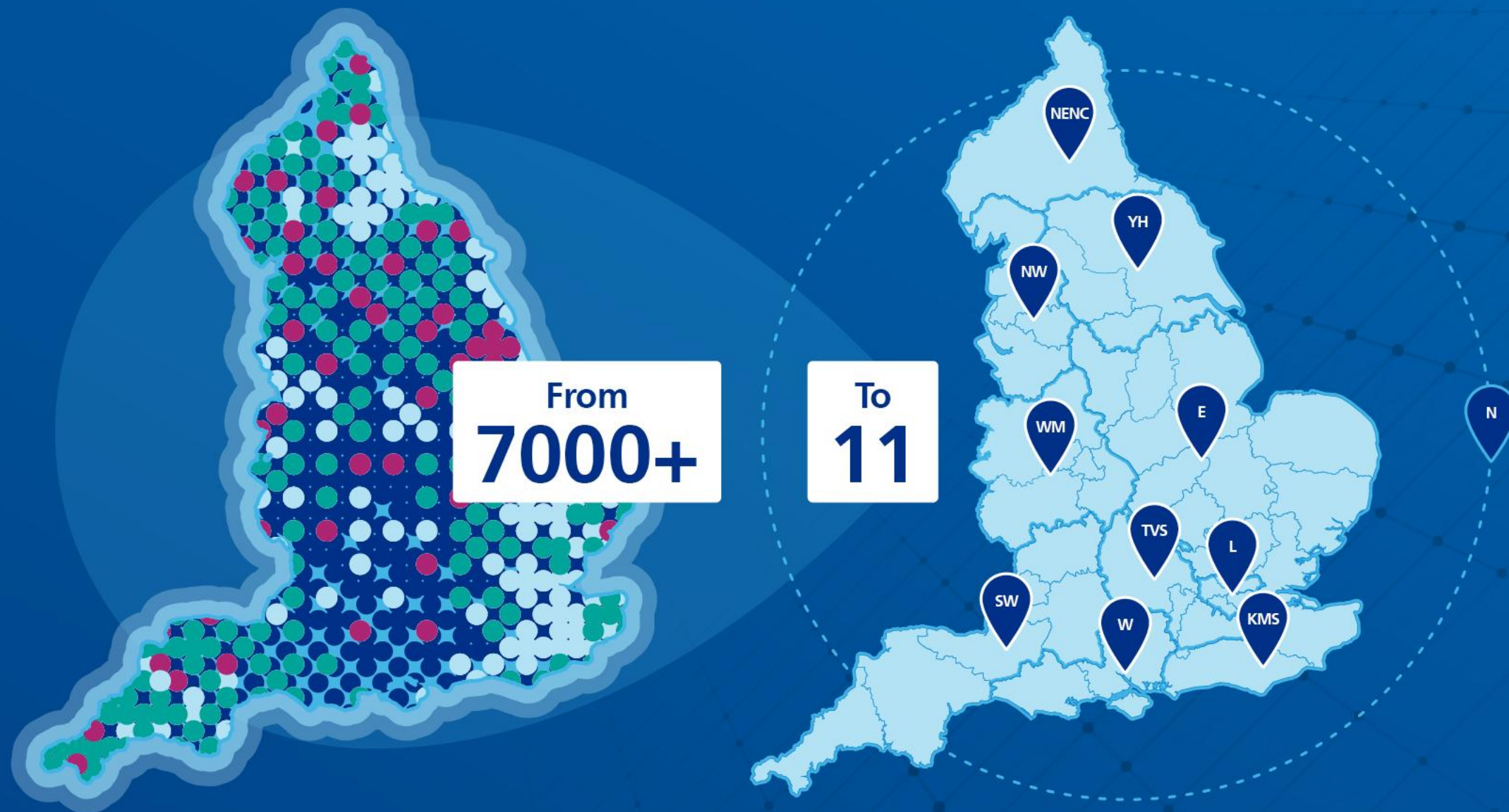




Secure Data Environments:

N	NHS England
E	Eastern
KMS	Kent, Medway & Sussex
L	London
NENC	North East and North Cumbria
NW	North West
SW	South West
TVS	Thames Valley & Surrey
W	Wessex
WM	West Midlands
YH	Yorkshire & Humber

Streamlining researcher contact points with data controllers



Secure access to NHS data

Secure Data Environments safeguard data and maintain public trust while meeting the needs of approved researchers.



Privacy-first

Patient data is protected to the highest standards and researchers only access specific data needed for their approved research



Secure NHS-led environments

Supporting access to data by default through NHS-led environments



Single secure workspace

Provides standardised research environment including platform services and analytical tooling



Transparent governance and oversight

Independent oversight, involving public members, of data access decisions

Building public trust to enable research



Co-designed with trust

Built alongside patients and professionals, with security and confidence at its core.



Ongoing engagement

Through national deliberations and regional work we have engaged with over 21,000 members of the public.



Transparent governance

Clear principles guide data access, security, and opt-out choices.



What is a secure data environment?



Safe and secure data access

All data access operates under the Five Safes framework:



SAFE DATA

The South West SDE offers a secure environment where de-identified data is accessed as opposed to shared. Researchers only use data that has been depersonalised to protect privacy.



SAFE PROJECTS

Data is only used for ethical, approved health and care research with the potential for clear public benefit.



SAFE SETTINGS

Access to data is only possible using the South West SDE. Researchers only access the data they need for their project. Once their research is complete, their access to this data is removed.



SAFE OUTPUTS

Results of the analyses only leave the South West SDE when they have been screened and approved as non-disclosive.



SAFE PEOPLE:

Only registered researchers can access the data. There is a central and standard User and Organisation registered process, which is completed once to access SDEs across the network. To enquire about registering please follow the NHS England Registration Process.

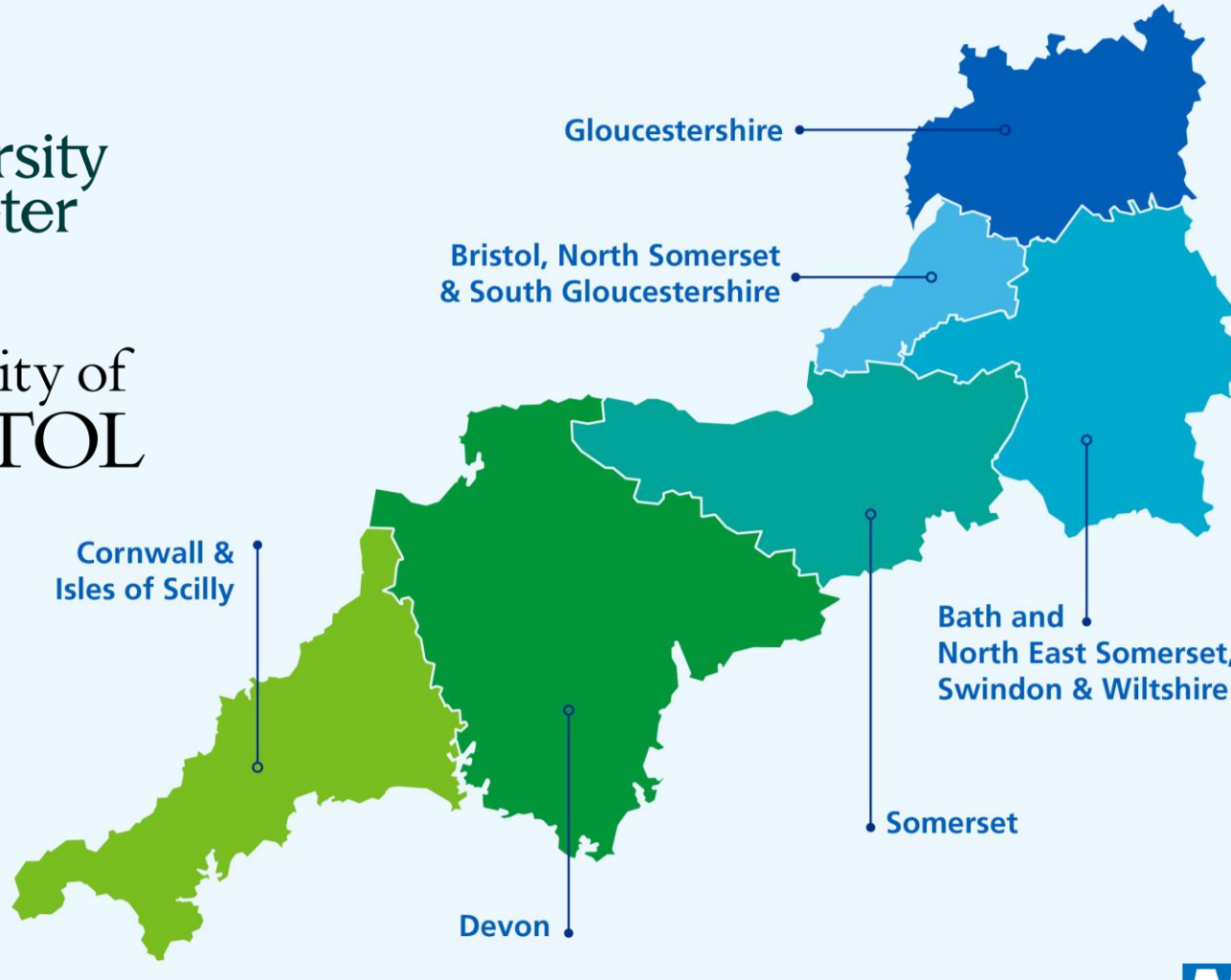
The South West SDE is hosted by the Bristol, North Somerset and South Gloucestershire Integrated Care Board. The NHS Health Research Authority Research Ethics Committee reference is 24/NW/0111 and the Confidentiality Advisory Group reference is 24/CAG/0057. For more information, please see the South West SDE Privacy Policy.



University
of Exeter



University of
BRISTOL



Gloucestershire

Bristol, North Somerset
& South Gloucestershire

Cornwall &
Isles of Scilly

Bath and
North East Somerset,
Swindon & Wiltshire

Somerset

Devon



**Bristol, North Somerset
and South Gloucestershire**
Integrated Care Board



Devon



**Cornwall and
Isles of Scilly**



**Bath and North East Somerset,
Swindon and Wiltshire**
Integrated Care Board



One
Gloucestershire

Transforming Care, Transforming Communities



**South Western
Ambulance Service**
NHS Foundation Trust



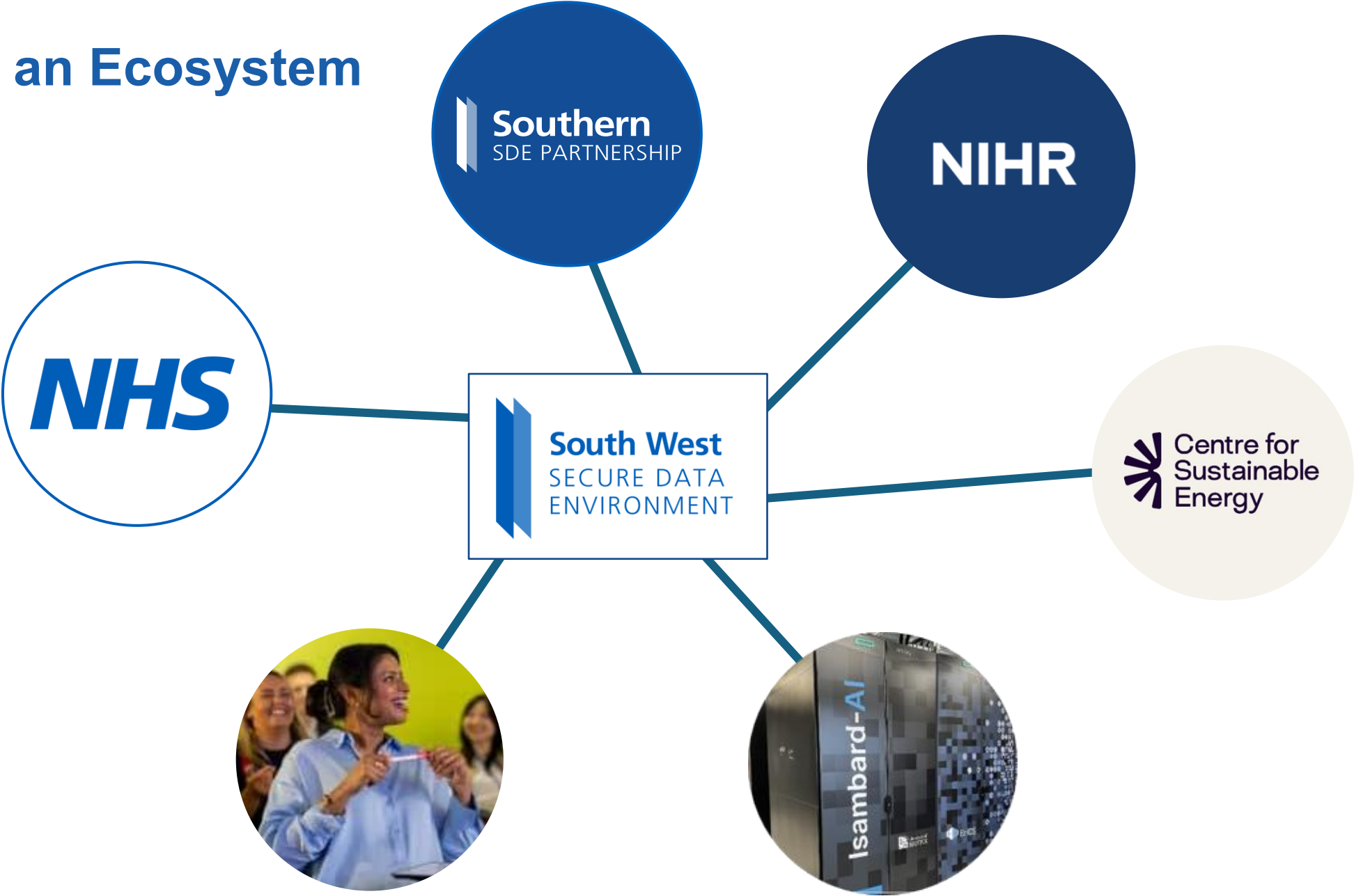
Somerset
Integrated Care Board



South West
SECURE DATA
ENVIRONMENT

Part of the
**NHS Research Secure Data
Environment Network**

Access an Ecosystem



Some of our strengths



South West
SECURE DATA
ENVIRONMENT

Part of the
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Environment Network**

Multimodal stroke and control dataset – ABSTRACT project

9155 cases and 109,581 controls. Includes 22023 MRI brain, 47283 CT brain, 16,247 ambulatory, 35,553 echocardiogram, 100,331 laboratory results, 100,331 radiology/pathology reports and 100,331 GP records

Diabetes genomics datasets

Testing from 17018 families. data available on monogenic diabetes testing in the Genomics Laboratory since 1995.

PeMCOD – Perinatal & Maternal Care Outcomes Dataset

The PeMCOD data asset population will include all births in the South-West region between 2015 and 2025, and then ongoing data from all completed pregnancies. The cohort will be approximately 450,000 births.

Healthy Aging

Climate and Health

Whole system

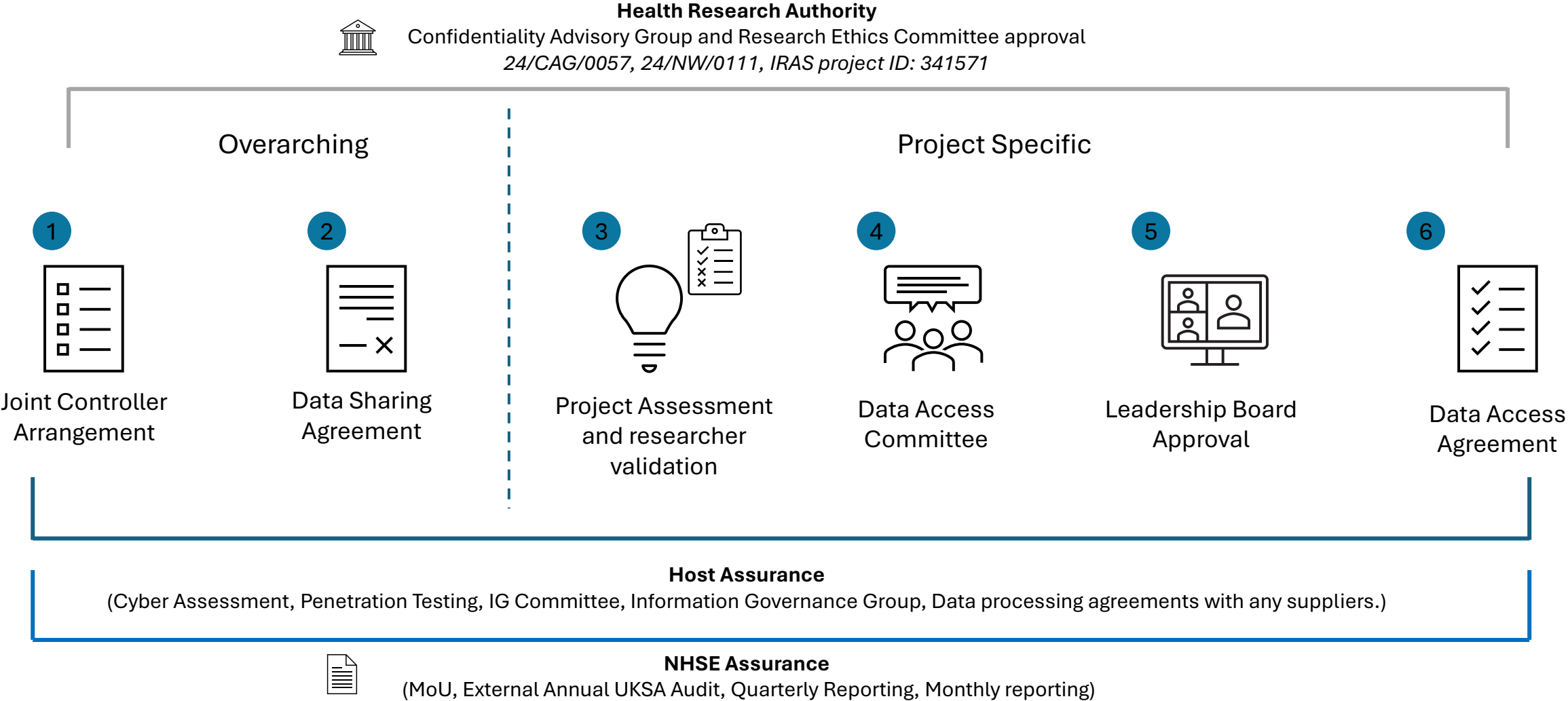
Infrastructure Overview



Part of the
**NHS Research Secure Data
Environment Network**



Assurance Layers



Research ready, access enabled

Building an NHS-led, secure, scalable and streamlined end-to-end health data service across England, to support and accelerate vital research.

**Research
Secure Data
Environment**
NETWORK



AI/algorithm development

Clinical trials

Epidemiological studies

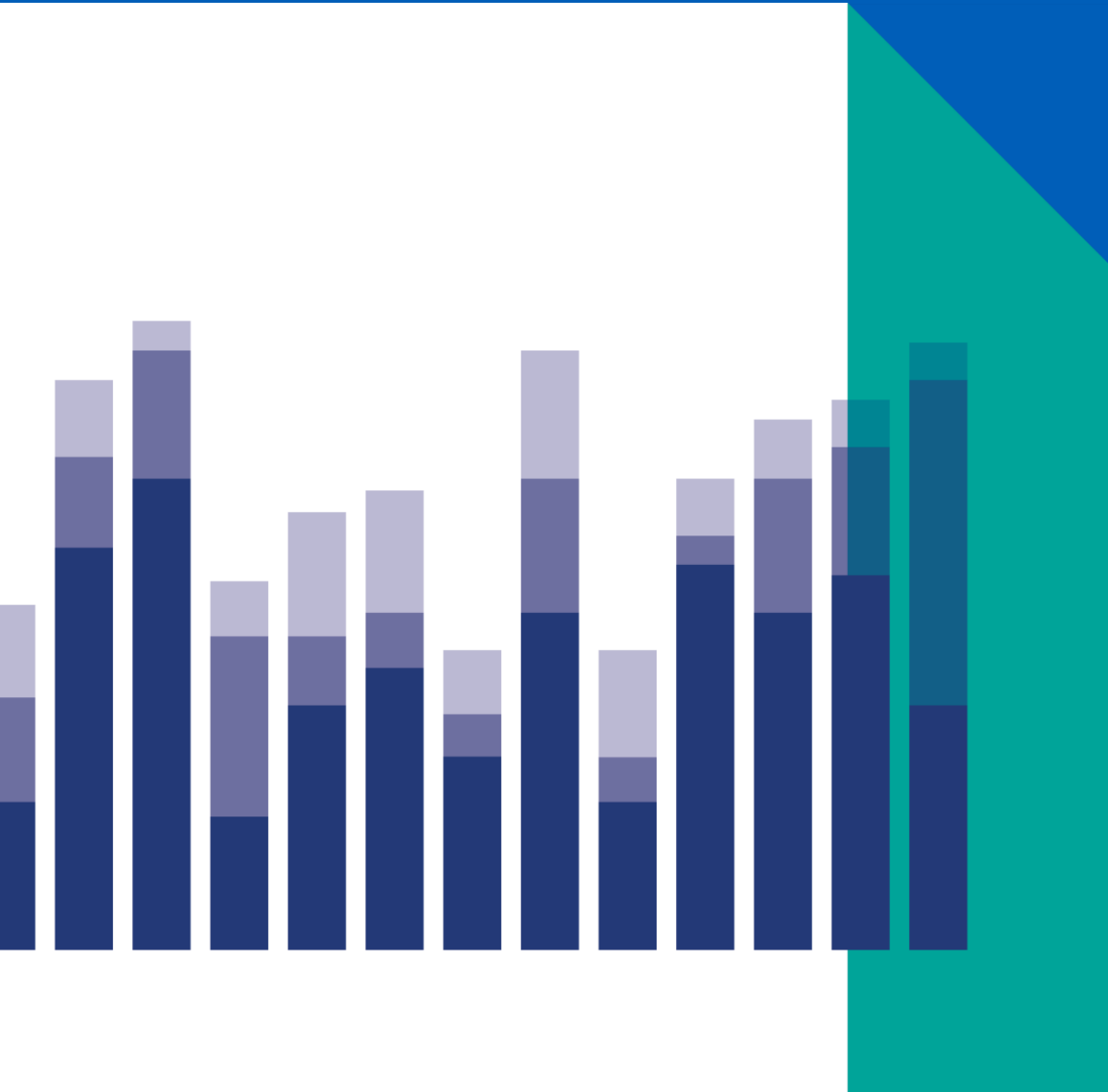
Health systems research

Real world studies

Translational research



- Secure, scalable platform. Purpose built regional secure data environment.
- Breadth of partners and networks, including SWAIIH.
- Bespoke data offering to partner need.
- Embedded into the health and care ecosystem.



Logan Ryan

Associate Director – Strategic
Partnerships & Delivery, Health
Innovation West of England

50+ data sharing agreements signed



Services available through the SDE Network

The SDE Network offers 3 types of service:



Data services

Linked and curated NHS health data across multiple care settings, including 'bring your own data', 'bring your own compute', and synthetic data options.



Platform services

A secure research platform and tools, such as Python, SQL Server and Management Studio and RStudio.



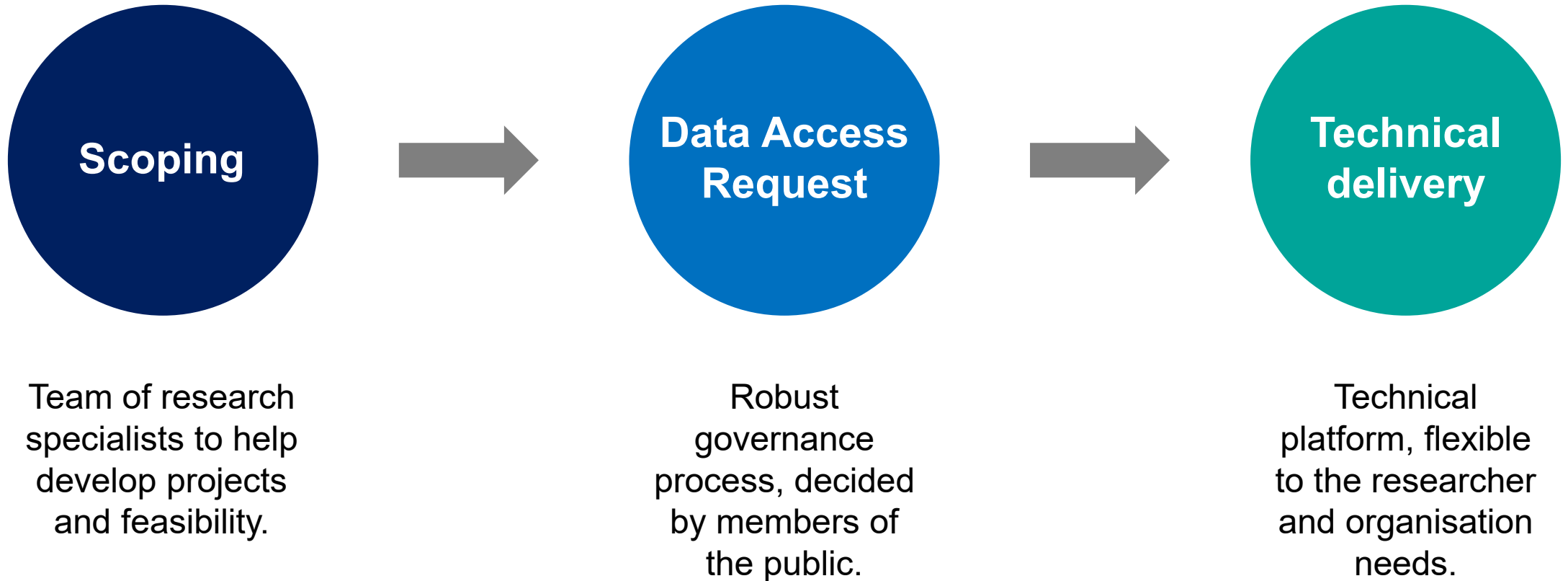
Consultancy services

Expertise and services such as data identification, project management, clinical advice and health implementation.

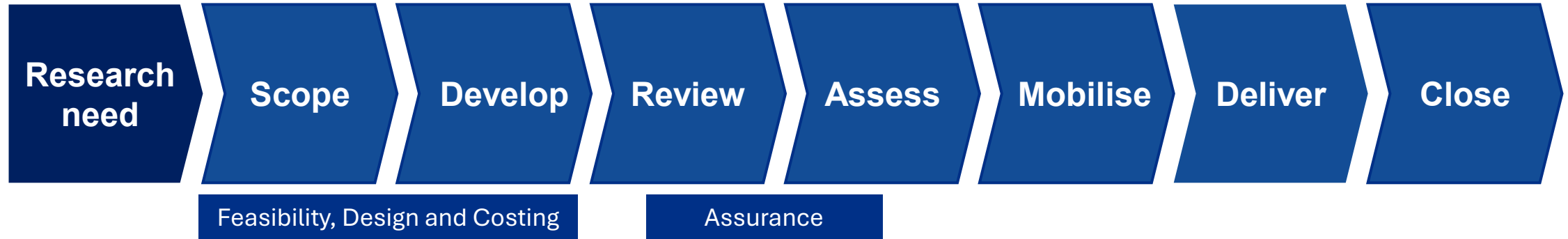
Readily available data – examples

Dataset	Lead organisation
Routinely Collected EPIC data, OMOP ES pipeline applied	Royal Devon and Exeter University Hospital
AWP Eating Disorders cohort	Avon & Wiltshire Mental Health Partnership NHS Trust
Community health dataset of Bristol's global majority communities	Caafi Health CIC (VCSE)
BrisDoc Urgent Care Multimodal Assets	BristolDoc Healthcare Service Limited (VCSE)
Multimodal dataset of investigations of stroke and control subjects	University Hospitals Plymouth NHS Trust
Energy and property related poverty data assets	Centre for Sustainable Energy (VCSE)
Perinatal & maternal care & outcomes dataset	University of Bristol & University Hospitals Bristol and Weston NHS Trust

How does access work?



The project journey



SAFE DATA



SAFE PROJECTS



SAFE SETTINGS



SAFE OUTPUTS



SAFE PEOPLE

Our process has been tried-and-tested in the academic and clinician-led research space, and working with industry to build a complementary off remains our next priority

Support to Early-stage Innovators and SMEs

We aim to establish the SW SDE as a bridging partner for early-stage innovators to support them in the transition from product concept to market-ready solution.

Early Evidence Generation

Access to real-world evidence
Expert clinical and methodological advice

Supporting Market Research

Qualification of unmet need
Early value proposition development

Building an Investment Prospectus

De-risking for investors
Data for pitch decks

Regulatory Support

Quality data for inclusion in technical file
Governance underpinned by Five Safes

Call to Action

How can you engage with the SW SDE and contribute to our industry-readiness?

- **Contact us** – henry.ireland1@nhs.net
- **Contact Health Innovation** South West or Health Innovation West of England – mark.procter@healthinnovationsouthwest.com or logan.ryan1@nhs.net
- **Complete our SWSDE Enquiry Form** [here](#)
- **Connect with us** via [LinkedIn](#)

Keep an eye out for the SWSDE Industry Newsletter to remain engaged with the establishment of our industry front-door.

Next events

In-person workshops at Sandy Park, Exeter

Exploring data available through the South West SDE
Thursday 22nd October, 10am – 4pm

<https://www.southwestsde.nhs.uk/explore-connect-collaborate-autumn-research-events/>



**Recordings and
slides from previous
webinars are also on
this webpage.**

Questions



Contact us

bnssg.swsde@nhs.net

www.southwestsde.nhs.uk

LinkedIn:

[@south-west-secure-data-environment](#)

Bluesky:

[@southwestsde.bsky.social](#)



Part of the
**NHS Research Secure Data
Environment Network**

Thank you