

Unlocking data, improving lives

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Plan for today

- Why we need to organise and link data for research?
- What we're doing in Research Data Scotland?
- Conditions for successful data driven innovation

Strategic Context

Health inequalities:

What are they?
How do we reduce them?



FAIRER SCOTLAND ACTION PLAN
FAIRER FOR ALL
ENDING CHILD POVERTY
YOUNG PEOPLE'S LIFE CHANCES
FAIRER WORKING LIVES
THRIVING THIRD AGE



Update to the Climate Change Plan 2018 - 2032

Securing a Green Recovery on a Path to Net Zero

A screenshot of the Scottish Government website's "Cost of Living Support Scotland" page. The header includes the Scottish Government logo and navigation links: "Energy & bills", "Benefits & income", "Children & families", "Debt & money", "Health & wellbeing", and "Older or disabled people". The main heading is "Help during the cost of living crisis". Below this, there is a section titled "If you need urgent help with money, food or fuel" with a sub-heading "Your local council may be able to help if you need urgent help with things like food, heating and electricity." and a link "Contact your local council". To the right is an image of a woman on a phone. Below the main content are three smaller sections: "Energy and bills" (with an image of a meter), "Benefits and income" (with an image of a couple), and "Children and families" (with an image of a child). Each section has a brief description of the support available.

Research Data Scotland

Where data linkage works well

- Holistic success metrics
- Understanding cause/effect better
- Impacts across different parts of society
- People/businesses needing or using multiple services
- People at life transition points
- Better understanding specific cohorts

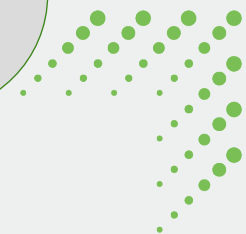
Opportunities and problems

Scotland's USP

- Our data
- Academic expertise
- Relevant areas: space/fintech/health
- Quickly assemble academic, public and private sectors
- Scale - good for testing approaches,

Our challenges

- Takes too long
- Data to organise
- Make data visible
- Commercial model
- No one knows





Our vision is to promote and advance health and social wellbeing in Scotland by enabling access to public sector data about people, places and businesses,

and



creating the conditions for collaborative data-driven research and innovation in the public good.



Research
Data
Scotland

Our partners



**The Scottish
Government**
Riaghaltas na h-Alba



**Public Health
Scotland**



**National
Records of
Scotland**



HDRUK
Health Data Research UK



**ADR
SCOTLAND**



**SCOTTISH CENTRE FOR
ADMINISTRATIVE
DATA RESEARCH**



**Office for
National Statistics**



DataLoch



**health informatics
centre**



DASH
Grampian Data Safe Haven
University of Aberdeen • NHS Grampian



NHS
Greater Glasgow
and Clyde



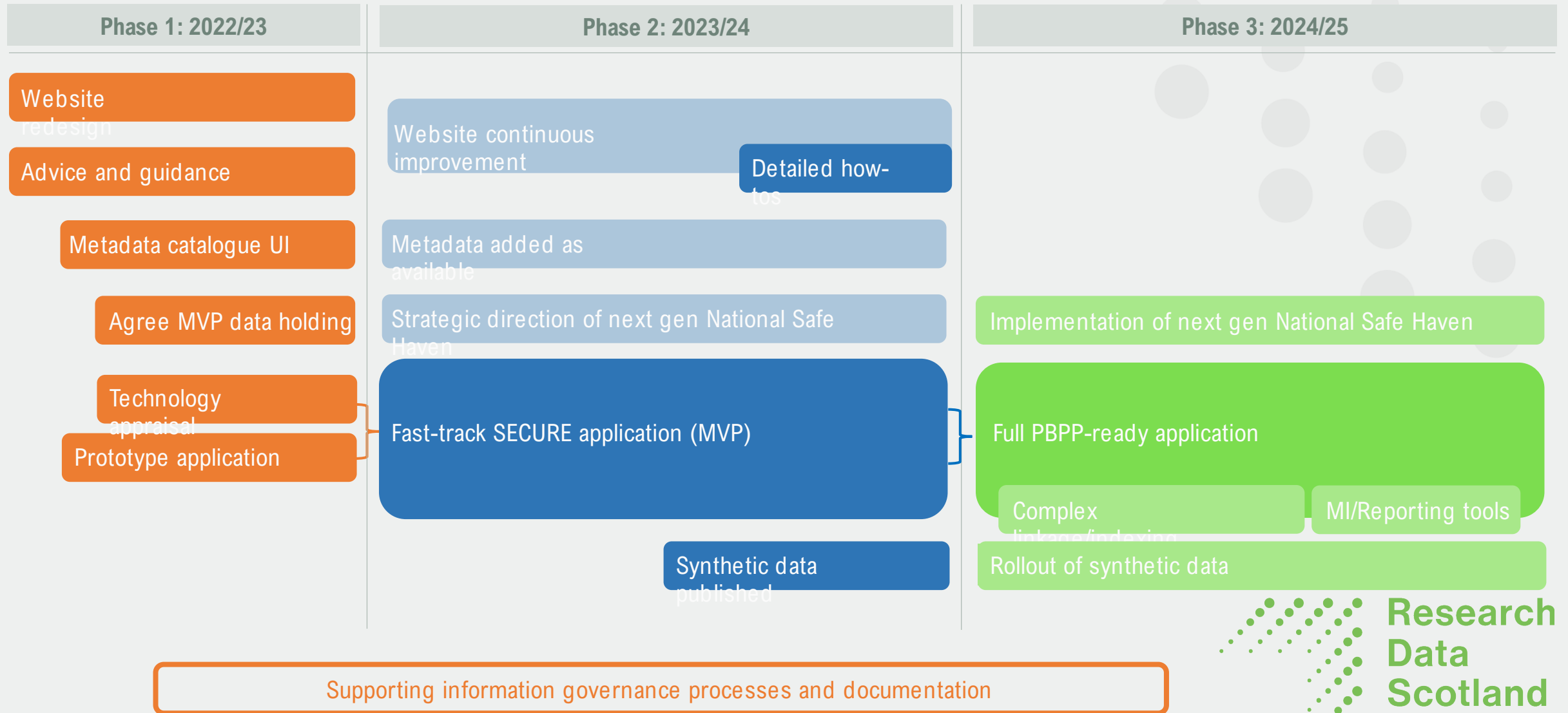
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Organisational priority

1. Faster and more efficient data access
2. Expand range of users
3. Develop new services



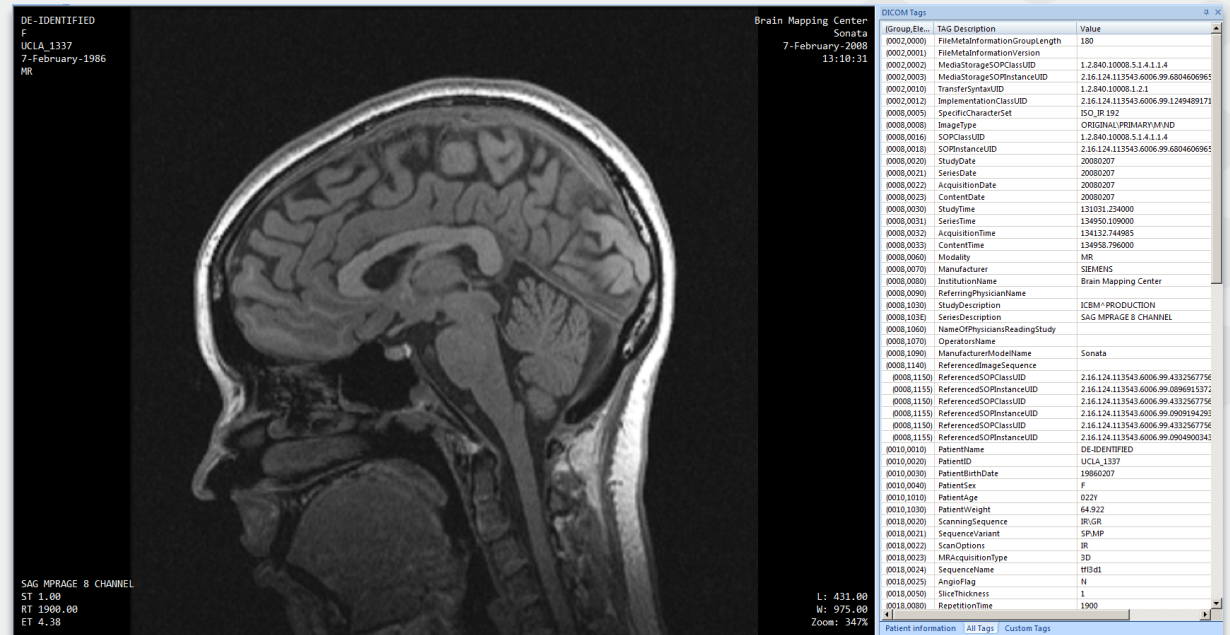
Transformation timetable



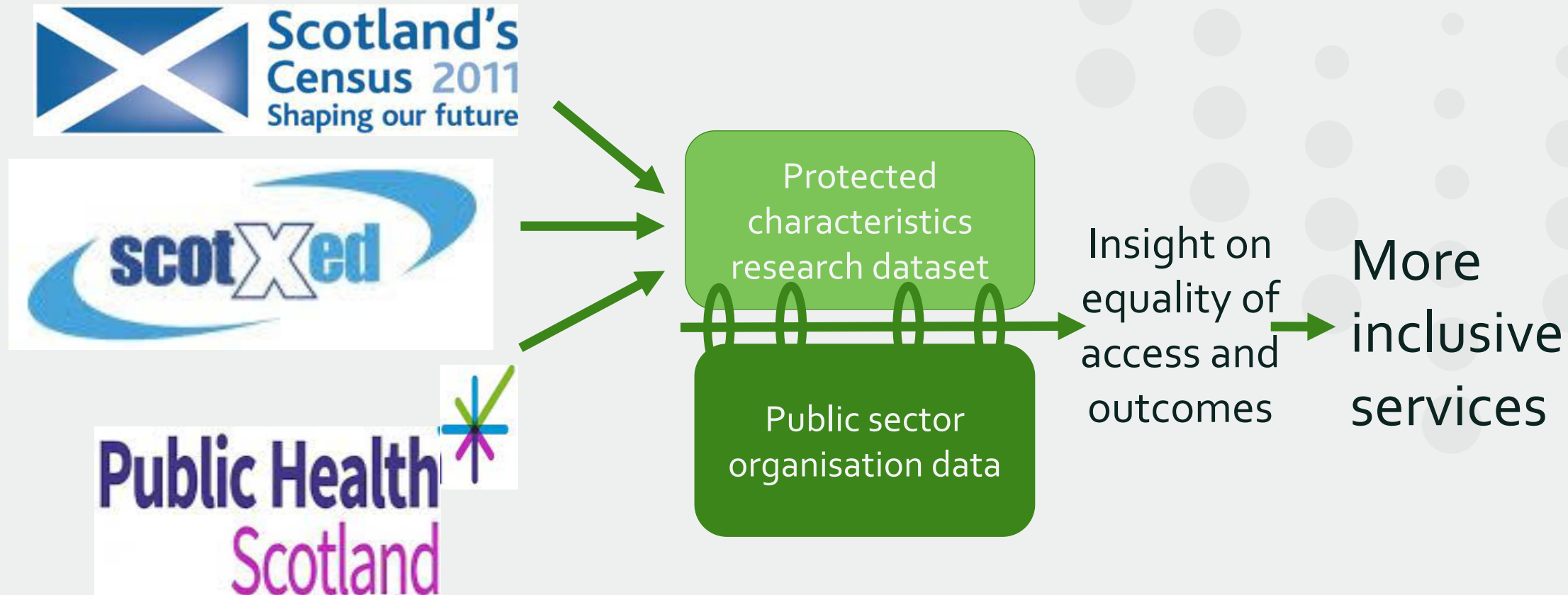
Scottish Medical Imaging Service

Medical Imaging Taken for Routine Care

- Each year millions of clinical images generated in the NHS in Scotland
- These images contain important clinical information they also contain a great deal of potential information about the health of the individual which is currently not made use of in health care.
- The SMI Service has been set-up to declutter imaging data access in Scotland.



Better data on equalities



Unlocking data for use by industry:

How the review is working

1. Independent expert group
2. An open and transparent approach
3. Understanding the public views

Two outputs

1. High Level Policy Statement
2. Framework and guidance for public sector bodies

[Digital Draft principles for unlocking the value of Scotland's public sector personal data for public benefit - Digital \(blogs.gov.scot\)](https://blogs.gov.scot)



**The Scottish
Government**
Riaghaltas na h-Alba



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Principles for data driven innovation: Discovery phase

Before starting, make sure you know:

- Your clear problem statement and aim
- What you are doing is ethical – public support?
- What causes the problem and what would need to change
- Partners will work with you on this (if necessary)
- What data you need
- You can get the necessary data together
- How you would use this data
- That you are able to measure the effects

Principles for data driven innovation: Alpha phase

- Developing the information product
 - Bringing the data together
 - Checking its quality
 - Analytics!
- Testing the info product – does it deliver what you'd hoped?
- Developing the business change
 - Process mapping
 - Training
 - System redesign
- Testing the business change