

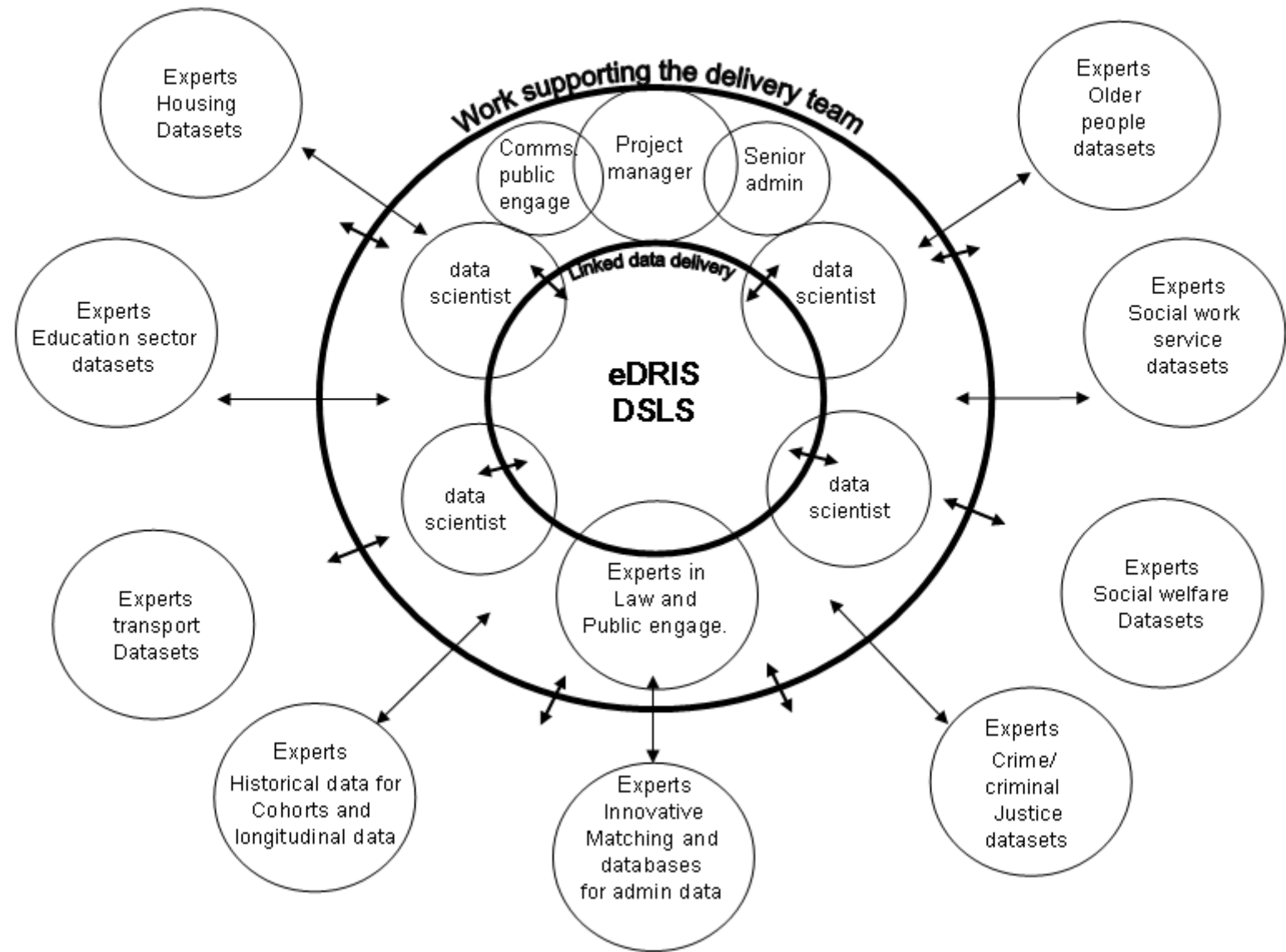
Administrative Data Liaison Service (ADLS) Scotland



Overview

- Brings together major Scottish centres: Aberdeen, Dundee, Edinburgh, Glasgow Herriot-Watt, St Andrews, NHS working closely with Scottish Government.
- Leading experts in Physical Education, linkage, Law, Neuro-Linguistic Programming and Machine Learning
- Builds on existing services
- Significant programme of public engagement
- Will exploit Scotland's rich administrative data (historical and contemporary)

Developmental work strands

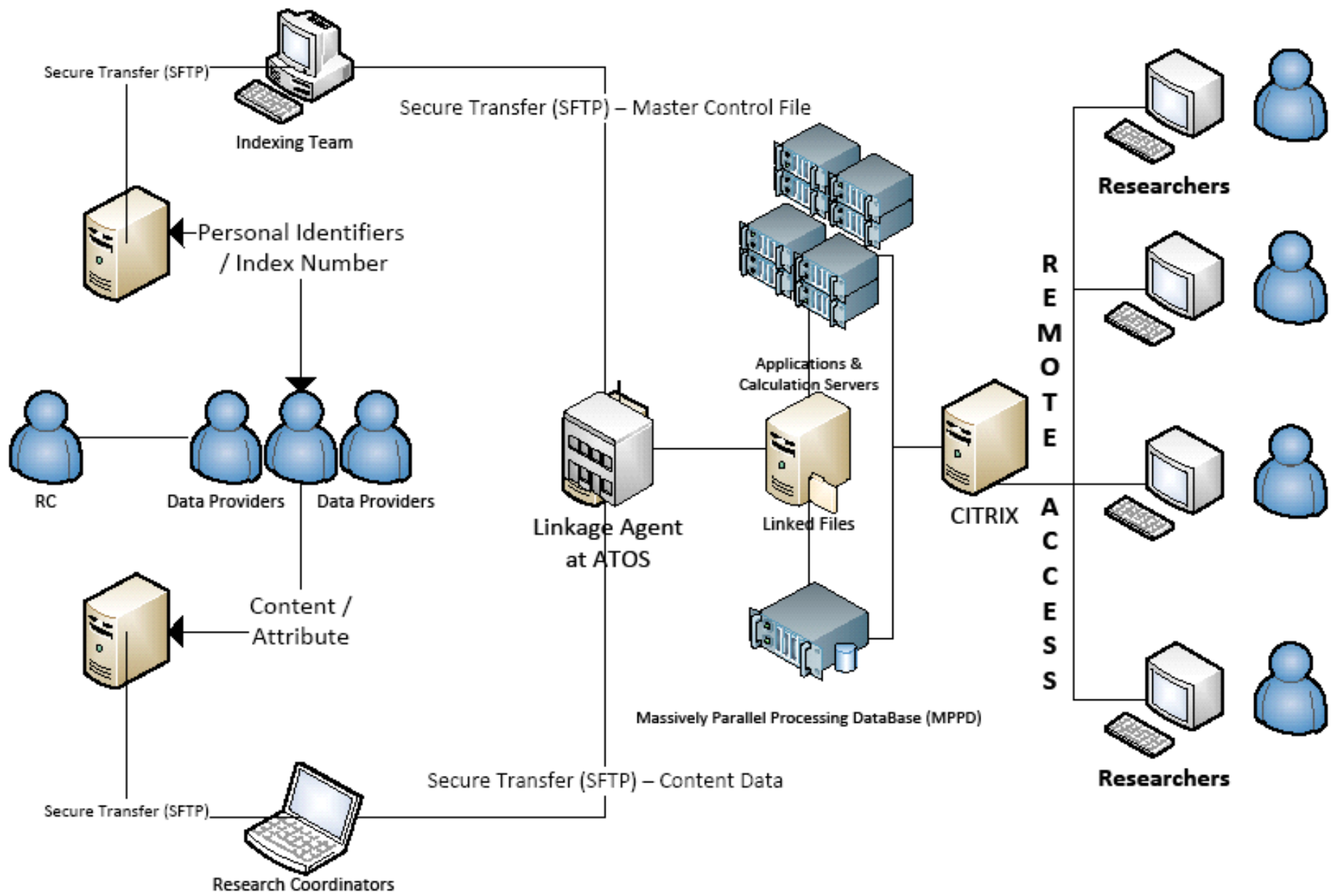


Research the major Scottish administrative datasets

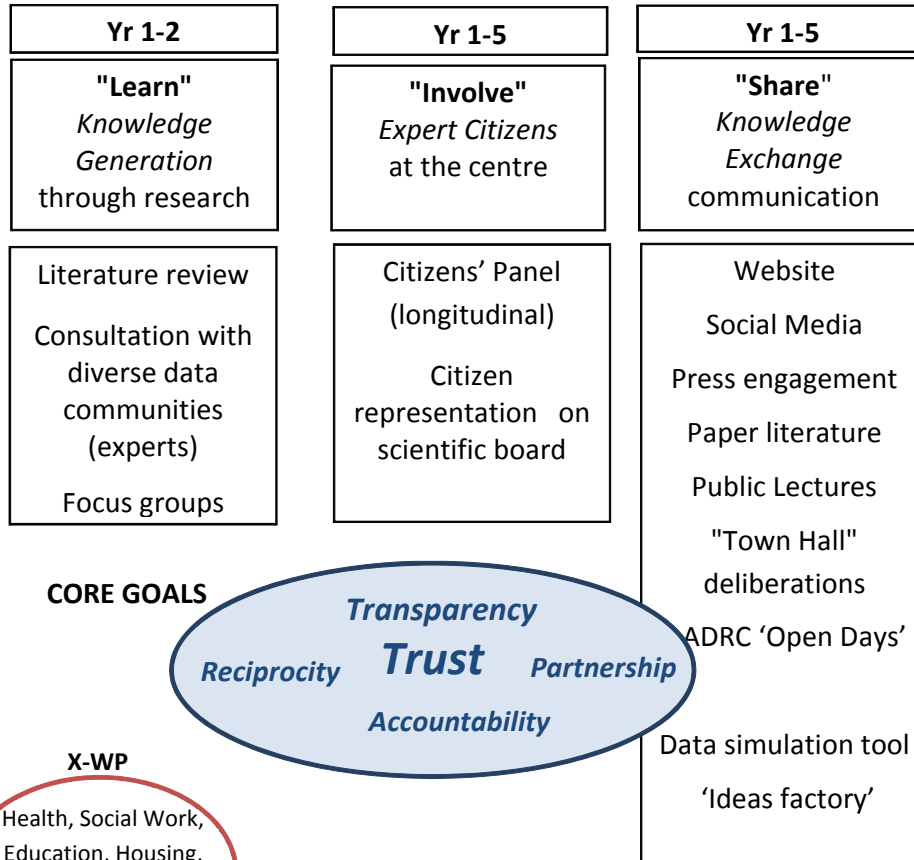
- Schools, colleges and universities
- The criminal and justice system
- Social work services
- Social welfare
- Housing system
- Transport system
- Health system
- Historical administrative data



1. A named Person from start to finish
2. Help with study design
3. Provide expert advice on coding, terminology, meta data and study feasibility
4. Agree deliverables and timelines
5. Provide analyses, interpretation and intelligence about data (where required)
6. Liaison with technical infrastructure (safe havens)
7. Facilitate completion of required permissions
8. Liaison with data suppliers to secure data



Public Engagement



CORE GOALS



X-WP



WP2

Public Acceptability, Concerns, Expectations

WP1

Legal Basis (UK, Scotland, EU)
 Governance mechanisms

ETHICS

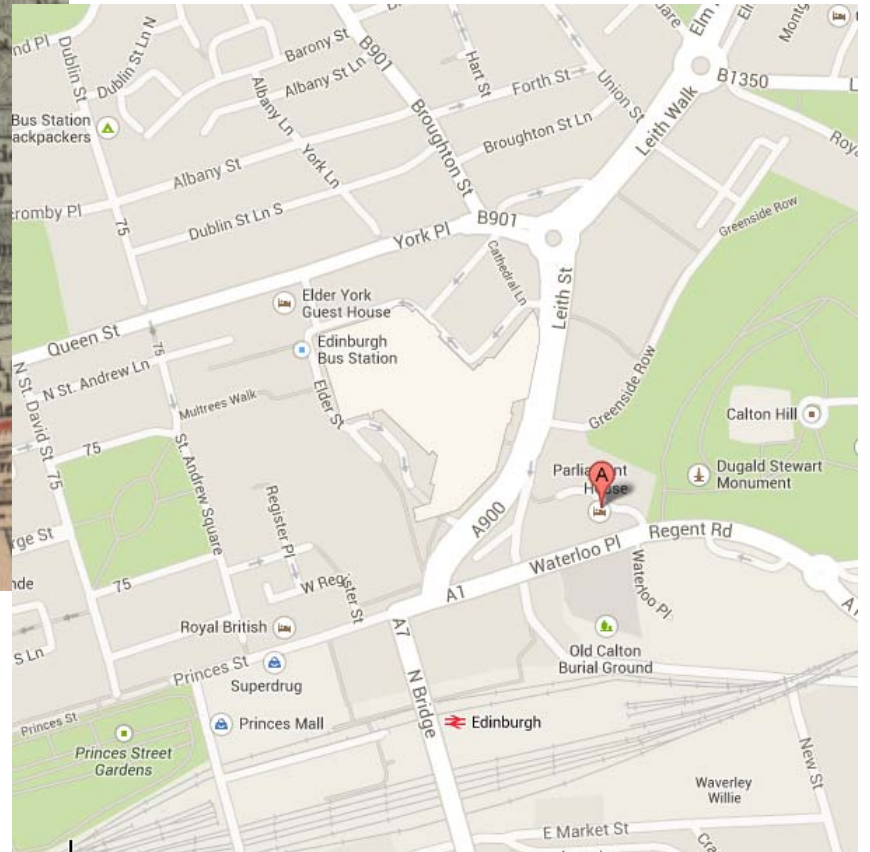
Parallel, co-dependent work streams

Co-location with the Farr Institute and Data Sharing & Linkage Service (DSLS)



Develop the capacity to:

- Store, access and link large complex datasets exploiting new linkage methods
- Engage with the public and effectively communicate value/ worth of endeavour and the safety of the infrastructure
- Respond to the legal environment emerging out of cross-sectoral linkage
- Geocode administrative data from the 1850s to the modern day and provide the means of adding contextual information to individual records
- Extract information from free text resources
- Produce synthetic versions of linked administrative datasets



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No.	Name and Surname. Rank or Profession, and whether Single, Married, or Widowed.	When and Where Died.	Sex.	Age.	Name, Surname, & Rank or Profession of Father. Name, and Maiden Surname of Mother.	Cause of Death, Duration of Disease, and Medical Attendance by whom certified.	Signature & Qualification of Informant, and Residence, if out of the House in which the Death occurred.	When and where Registered, and Signature of Registrar.
001	<u>John Mason</u> Shipwright (married to Jane Smith)	<u>1883, July Third</u> about 11.30 AM in River Clyde at Lighthouse Shipyard Saratoga Parish usual residence at Kingston Road (Saratoga)	<u>M.</u>	<u>40</u> years	<u>Charles Mason Farmer</u> (deceased)	<u>Drowning</u> 1 Day	<u>John Mason Boatman</u> 18 McAlister Street	<u>1883, July 4th</u> at Saratoga J. B. Crawford Registrar
002	<u>John Sutherland</u> Engine Fitter (married to Margaret Sutherland)	<u>1883, July Third</u> about 11.30 AM in River Clyde at Lighthouse Shipyard Saratoga Parish usual residence at this day Head West Kingston Road	<u>M.</u>	<u>36</u> years	<u>Robert Sutherland Engineer Foreman</u> (deceased)	<u>Drowning</u>	<u>George Sutherland Brother</u> Medicine St.	<u>1883, July 4th</u> at Saratoga J. B. Crawford Registrar
003	<u>Maria Dunn</u> Shipyard Labourer (married to James Barrie Hutton of Hag)	<u>1883, July Third</u> about 11.30 AM in River Clyde at Lighthouse Shipyard Saratoga Parish usual residence at Hamilton Street Saratoga	<u>M.</u>	<u>44</u> years	<u>Patrick Dunn Labourer</u> (deceased)	<u>Drowning</u>	<u>Agnes Dunn Widow</u> 87 Hamilton Street Saratoga	<u>1883, July 4th</u> at Saratoga J. B. Crawford Registrar

Machine learning –
natural language
processing



Congestion of the kidneys accompanied with dropsy
post-scarletina



congestion-98 kidneys-98 accompanied-106 with-106
dropsy-106 post-10 scarletina-106

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Cutting-edge research projects will be used to explore innovative and challenging linkages to produce high value result findings

- Research incomes, benefits and labour market
- Research informal care - the implications of caring for health and wellbeing
- Research parental mental health and filial educational outcomes
- Link the Scottish Mental Surveys of 1932 (1921 Cohort) and 1947 (1936 Cohort) to demographic, social, and health data



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Summary

1. provide state-of-the-art facilities for research access to de-identified administrative data by accredited researchers
2. provide data management and statistical analysis support functions for external researchers accessing the data
3. commission and create new linked administrative data resources for a growing research agenda
4. conduct original research using linked administrative data and related analytical and methodological approaches
5. engage in training, capacity building, and public engagement
6. work in collaboration with other elements of the Administrative Data Research Network