



**An
Phríomh-Oifig
Staidrimh**

Central
Statistics
Office

The Evolving Irish Data Ecosystem: Unleashing the Power of Data

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Irish Statistical System (ISS)

Statistical System
Coordination
Directorate

Irish Government
Statistical Service
(IGSS)

Administrative
Data Centre

Data Stewardship

Statistics Act 1993

National Data
Infrastructure (NDI)

ISS Code of Practice

Data Services

Anonymized and Research
Microdata, Data Rooms

Open data, special tabulations,
pathfinder projects, statistical hit
squads

Key Enabler: Statistics Act 1993

Section 10

- Defines CSO role as Data Steward

Section 11

- Co-operation and liaison with other public authorities

Section 24

- Voluntary provision of Information

Section 30

- Use of public records for statistical purposes

Section 31

- Cooperation of public authorities with the CSO

Section 32

- Restrictions on the use of information

Section 33

- Prohibition on disclosure of information



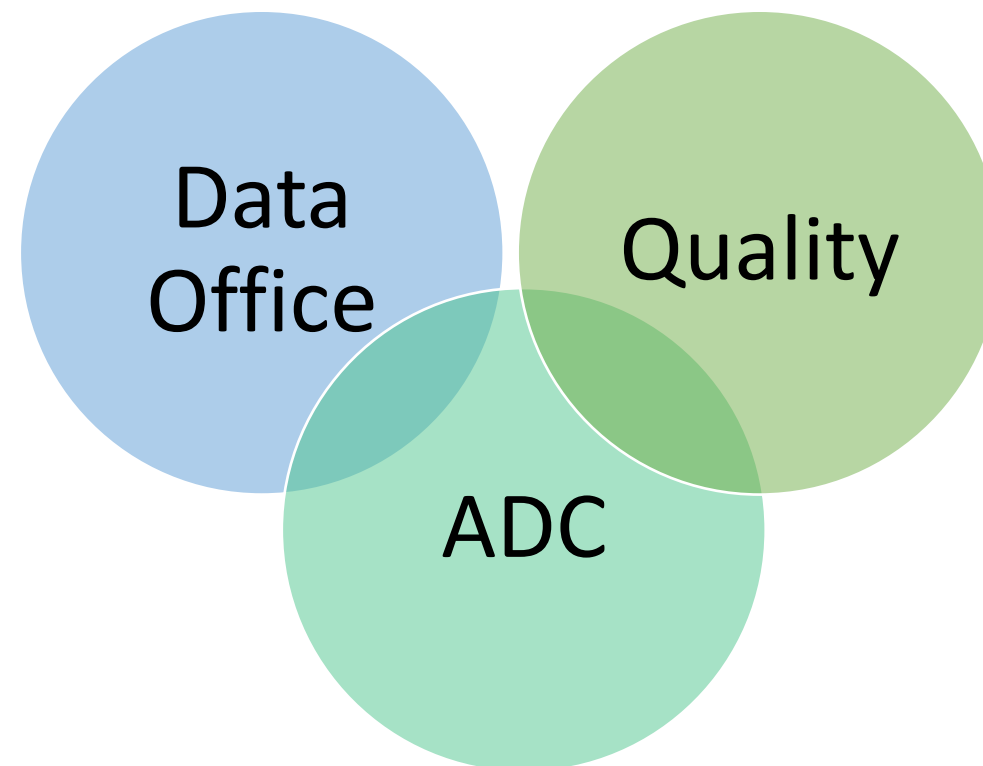
General Data Protection Regulation (GDPR) and governance

- GDPR – impact on governance
- Data suppliers – assurance on sensitive data
- Upholding GDPR principles



How to ensure good governance

- Co-ordinated approach
- Streamline Governance
- Administrative Data Centre (ADC)



Key Elements of Data Governance for Admin Data

- Memorandum of Understanding – MOU
- Relationship building
- Setting of standards
 - Documentation
 - Protocol



Acquisition

New data sources identified by SSCU/Business area/ADC

Engagement of new source lead by ADC

ADC manage S30/31 process in consultation with business area

Quality Assessment of new data prior to MOU - Standards documented and improvement plan agreed if required

MOU managed by ADC in conjunction with DO/ Business area

MOU sets out roles, compilation, transfer, data use and governance framework

Receipt & Ingestion

Data transmitted securely to CSO

ADC assess and document quality of data flow (Data Hub portal)

ADC provides initial documentation on data & metadata specifications & requirements to data hub team

Original data file moved to data hub environment

Automated checks to verify integrity of source file (Pass/Fail) - referred to ADC if fail

Data stored in raw state on Data Hub Source DB

Source DB

Data Services

Standardised variable names applied / renaming variables as per data owner requirements

Automated data re-engineering as per data owner requirements (e.g. applying formats)

Automated pseudonymisation

ADC coordinate the initial processing standards with key internal users

Bespoke data enhancements by ADC

ADC lead follow up loop with data providers if queries/issues

ADC release data for use on Analysis database

Transformed DB

Access/Use

Available data searchable through Data Hub Portal

Application process for data access via Data Hub Portal

Manage access at instance and variable level

Pass/fail loop re data governance requirements being met

Access to data via SAS & R

Analysis DB

Data quality & standards

Coordinated data governance

Key Elements of Data Governance for Admin Data – Documentation

- Data Protection Impact Assessment – DPIA
- Privacy Impact Assessment – PIA
- Data Necessity and Proportionality Assessment - DNPA



Key Elements of Data Governance for Admin Data

- Data Matching Protocol – DMP
- Transparency Notice
- Social License – Trust and transparency



Data Office Support

Specify Needs

Design

Build

Collect

Process

Analyse

Disseminate

Evaluate

1.
Conversations

4.
AIWG / CDSC

7.
Memorandum of
Understanding

10.
Privacy Impact
Assessment

11.
Data Matching
Application

12.
Pre-Release
Access

2.
Section 31
Letter

5.
Data Protection
Impact
Assessment

8.
Record of
Processing

3.
Necessity &
Proportionality
Assessment

6.
Section 30
Letter

9.
Transparency
Notice

 = CSO requirement

 = DPC requirement

 = EU law requirement

  = Irish law requirement

Labour Market - Admin Data & Survey

Interoperability

- Labour Force Survey – earnings
- Structure of Earnings Survey
- Matching levels
- Limitations of admin data
- Coherence with admin sources
- Communications
- Developments



Key Messages

- Governance = NB
- Engagement with Data suppliers & Citizens
- Transparency -> Trust





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Any questions?

