



Inter agency data sharing & exchange principles

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Multi-Agency Data Sharing (Splinter)

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Data Sharing - Information gathering

Information Gathering – Typical “W” questions



Why – user request, benefit, community or organisation;

Who – stakeholder(s) of sharing agreements;

What – which kind of data or data sets;

When – the timeframe when what is has to be ready;

Where – location of data (replicated vs. single repository);

How – implementation details, costs;

➔ Bilateral Agreements & technical implementation



Data Sharing - Technical Interfaces

- Organisations discuss typically...
 - What kind of data is considered for sharing;
 - Volume of Data, format, quality, time period;
 - Interoperability standards (metadata, access to data);
 - Timeliness/ availability for services;
 - Responsibilities;
 - Network (managed/ non-managed);
 - Data policies, IPR's, copyright(s).



→ Service Level Agreements (SLA)

- Availability-, Capacity-, Incident- & Problem Management

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Data Sharing – Design & Implementation

Implement technical interfaces

- Licensed Data, Open Data (see previous presentations)
- User management (registration, authentication, license management)
- Data discovery and access (standardised initiatives)
 - Metadata description (ISO based);
 - Catalogue search and access.
- Delivery of data to users
 - Via satellite, terrestrial networks;
 - Download HTTP, FTP(s), physical media.





Data Sharing – Operating the service

Operational Level Agreements (OLA)

JOP (Joined Operations Procedures) & OICD

- Describes Interfaces & Information exchange;
- Responsibilities;
- Points of contact for services;
- Helpdesk;
- Monitoring;
- Reporting;
- Procedures (User Enquiries);
- Documentation.





Data Sharing - Summary

Steps from User Requirements -> Operational Service

Consider:

- User Requirements drive:
 - Technical implementation;
 - Resources required.
- Implementation benefits from use of standardised protocols
 - Discovery, search and access;
 - Re-use possible for future needs.

