

WISERD

Geoportal



Introducing the WISERD Geoportal

WISERD Annual Conference, 28th June 2011

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Dyngor Dyllid Amlwg
Uwch Cymru
Higher Education Funding
Council for Wales

hefcw



Why?

- Enhance a researcher's ability to discover quantitative and qualitative socio-economic research data for Wales
- Enable geographic as well as thematic and temporal searching
- Encourage re-use of existing data and more collaborative research

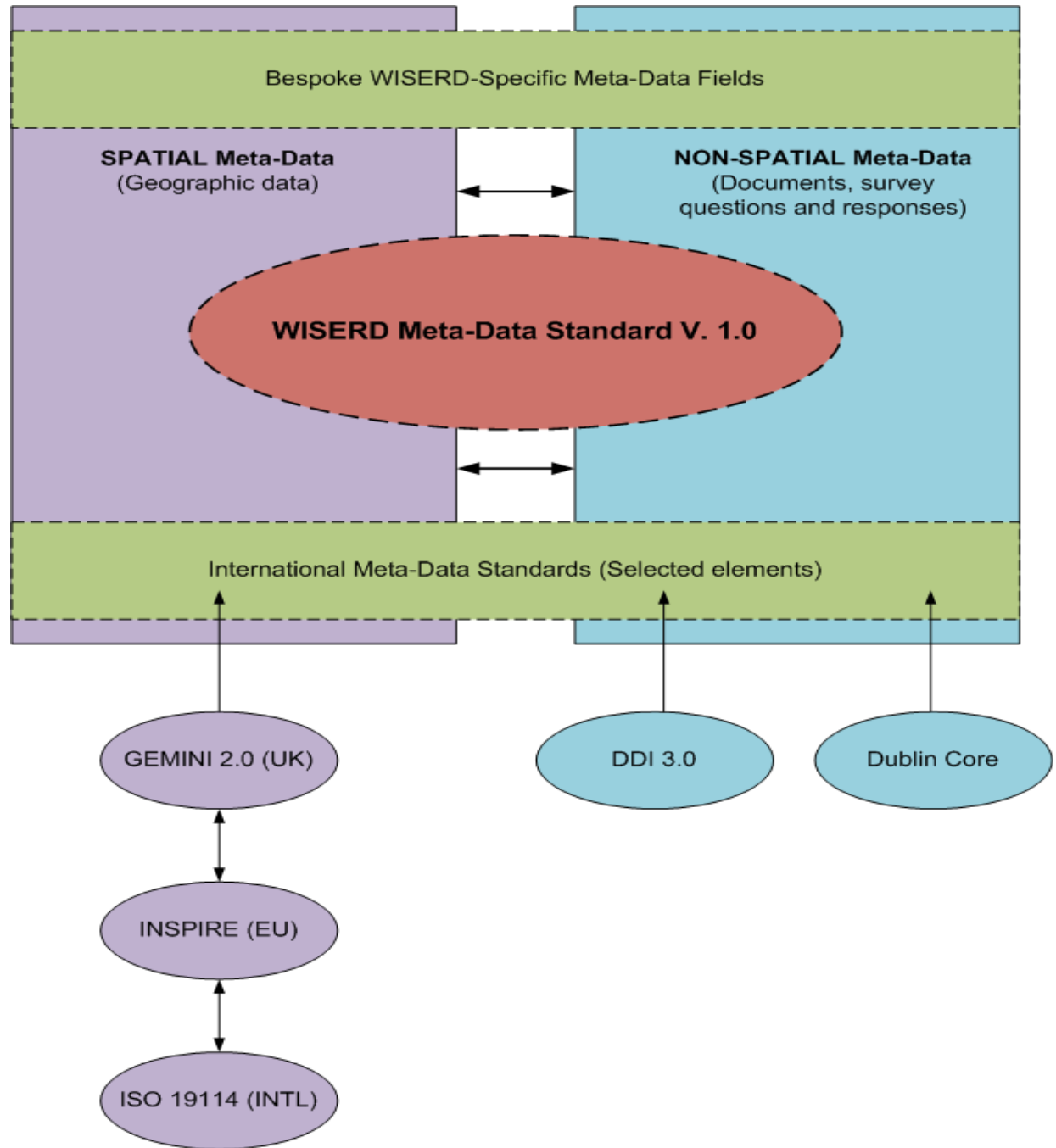
What?

- Online map and text-based tools for accessing rich meta-database:
 - **Government surveys** (e.g. Living in Wales, Welsh Health Survey)
 - **Primary WISERD research** (e.g. localities stakeholder interviews)
 - **Administrative data** (e.g. PLASC, Benefits, health records)
 - **'Grey' data** (e.g. academic publications)
 - **Public data and linked data** (e.g. data.gov.uk, DBPedia)
- Disparate data 'integrated' into spatial framework using GIS

WISERD Meta-Database: Current Status

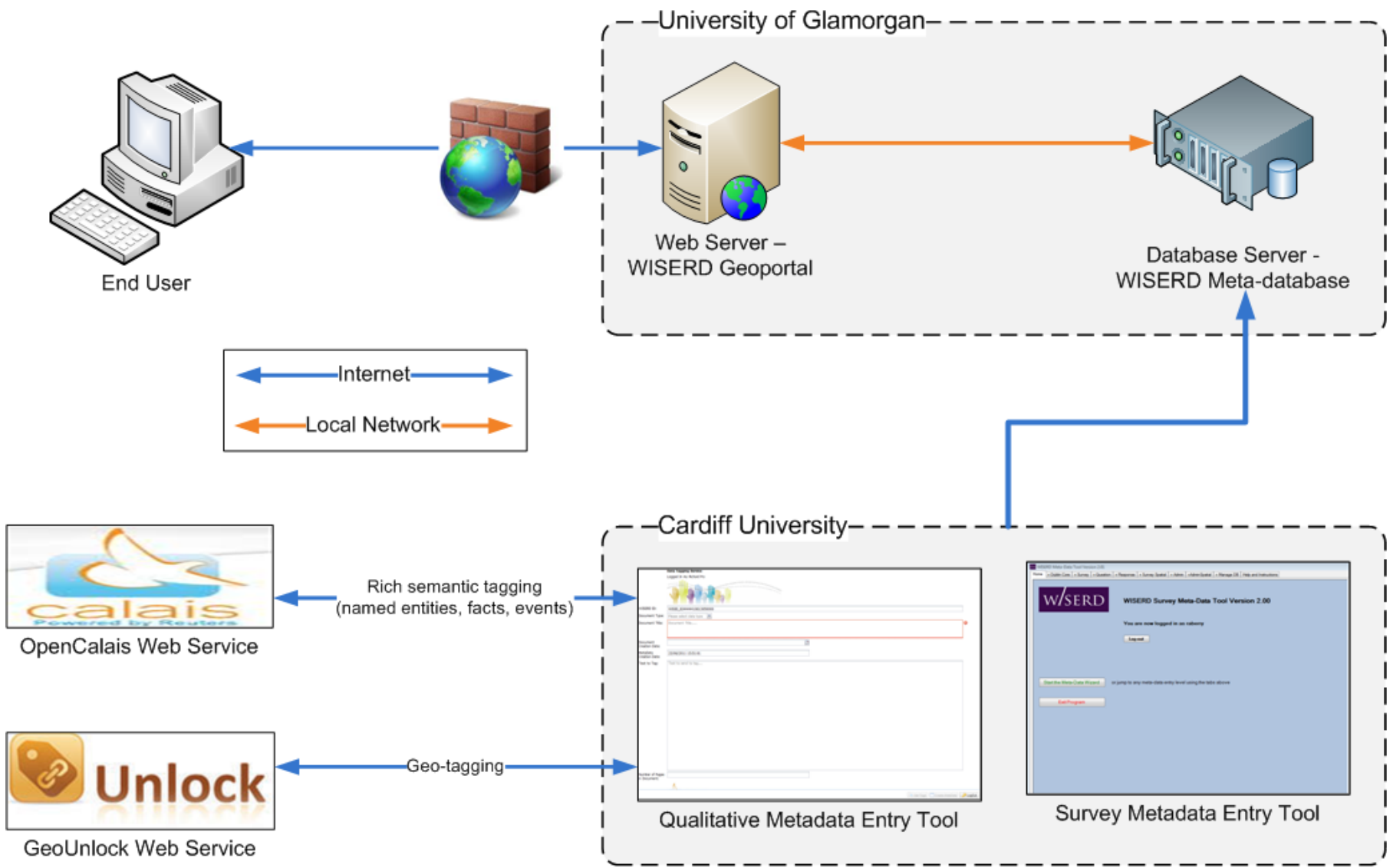
- Surveys: 33 (LiW, WHS, WERS, WRO Household/Rural Business Survey, Shelter Cymru HAC)
 - 24 surveys with responses mapped at various scales
 - 3623 questions
- Admin: selected PLASC stats (2003-10) mapped at UA level
- Qualitative: several WISERD stakeholder interview transcripts
- Grey MDB: several journal articles

Standards compliant metadata





A system





Issues!

- Huge amounts of data for Web delivery. Working on simplifying and adding topology to boundary data for more accurate representation/faster loading.
- Map labelling
- Speed (database queries, map rendering). Investment in infrastructure required (database server)
- Valuable and original technological research as well innovative tool for social sciences.



Further Developments (-Dec 2011)

- Expand meta-database - inc. new metadata types:
 - Public (NOMIS; ONS Neighbourhood Stats)
 - Environmental
 - Linked data/RDF (e.g. DB Pedia, data.gov)
- Interactive data analysis and charting
- Refine user interface and cartography
- Spatial statistics
- Fully-featured help and video tutorials
- Print and save metadata and metadata reports to PDF
- Multi-browser support
- Data integration



Further Developments: pending additional funding (2012>)

- Continued refinement and maintenance
- 'Community' features (forums, sharing etc.)
- Enhance hardware infrastructure (Database server, storage)
- End-user metadata generation
- Integrate metadata software tools (Meta DB tool, Qual Metadata Generator) and WERC into Geoportal as admin area.
- Potential secure download of raw data
- Metadata download in GIS formats
- Publish linked data on other sites (e.g. Data.gov)

Schedule

- Demonstrate 'Alpha' development version at WISERD conference, **June 2011.**
- Release 'Beta' version 1.00 for user-testing **mid-September 2011.**
- Incorporate user feedback and develop release version **Autumn 2011.**
- Roll-out first release version of WISERD Geoportal **December 2011.**
- **2012>....????**