

Creating knowledge from Mapping data

Michael Darracott – Ordnance Survey
Thursday 25th February 2010

Ordnance Survey

- The National Mapping Agency
- The national spatial database
OS MasterMap®
- Nationally consistent, up-to-date,
accurate and seamless
- Vendor neutral, open-standard
- Online service and supply
- Web Services



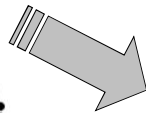
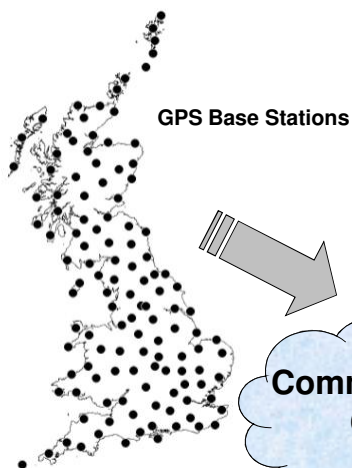
OS MasterMap® ... It's a bit like a map only **smarter** and **bigger** and more **detailed** and **intuitive** and **analytical** and **up-to-date** and **information rich** and ... actually it's not very much like a map at all – in fact it's the most comprehensive and complex analytical business tool of its generation. It's an enormous and intelligent database and it's at your disposal.

OS MasterMap today...



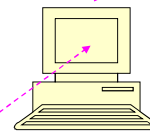
- Full GB coverage with over 450 million features
- 26 million addresses plus pre-build
- Road network & restriction information
- High resolution, colour imagery

OS Geodetic Framework



GPS correction delivered via;
GSM / GPRS
Digital Radio
Internet
LW Radio...

Software



Server



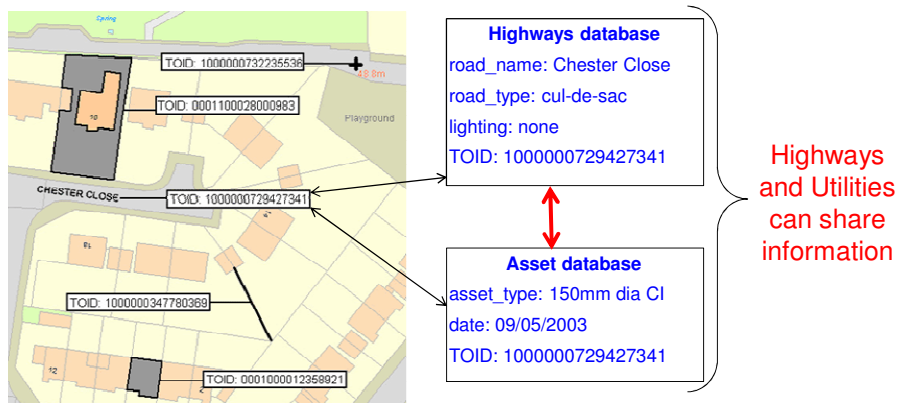
Accuracy in the Real World



1.1m
0.5m
0.4m
0.3m
0.1m
2cm

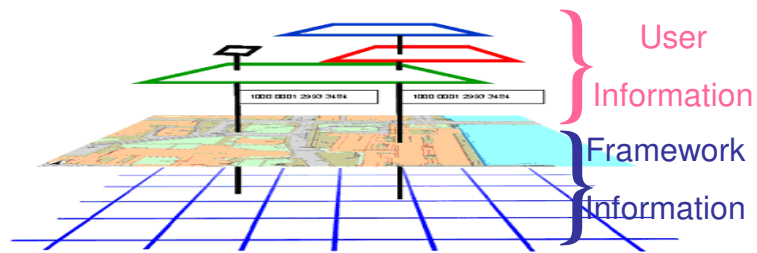
A geographic database... to what benefit?

- Intelligent data enabling integration of public and private data
– every feature uniquely identified



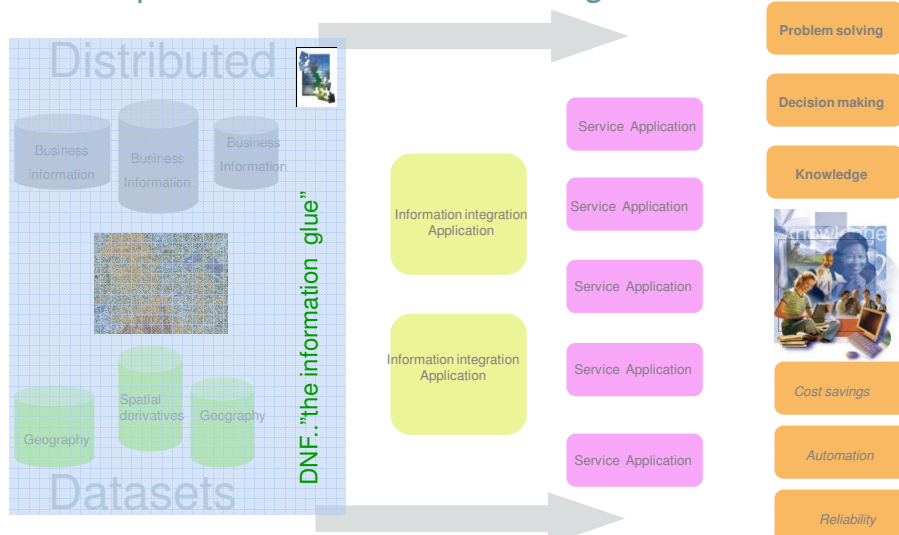
The Digital National Framework

"DNF is a set of enabling principles and operational rules that underpin and facilitate the integration of geo-referenced information from multiple sources"



"DNF is primarily concerned with geospatial information and its relationship to other data and information"

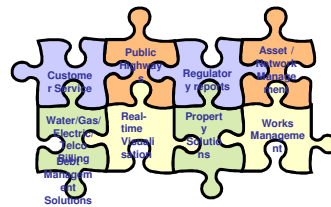
Scope of DNF: *the information glue*



Information Collection & Dbs Information Integration Services & Applications Benefits

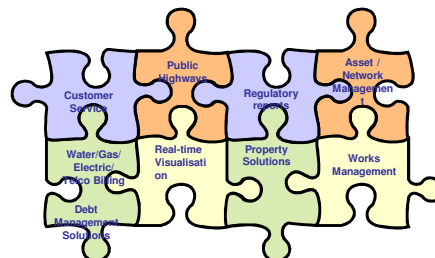
Inter organisation communication

- Operational Activity – Planned and Unplanned
- Network performance
- Highway works Management
- Incident Management at all levels of the business
- Asset identification and management
- Planning and organisation



Public communication

- Customer Contact
- Planned Works
- Emergencies
- Regulatory requirements



Summary

- Organisations are seeking to use geographic information to Improve knowledge of their assets in order to;
 - reduce costs
 - ensure regulatory and legislative compliance
 - increase customers' satisfaction
 - deliver better services
 - communicate more effectively
- Ordnance Survey supports those aims by:
 - maintaining a definitive, consistent and highly detailed database
 - adhering to the principles of DNF
 - providing "One version of the truth"

We are building the "geographic spatial framework for the nation" to support information sharing and enable better decision making.

This is what we are all trying to avoid!





Thank You

Further Information

<http://www.ordnancesurvey.co.uk>

<http://www.dnf.org>



www.ordnancesurvey.co.uk