



Interoperability Presentations

Assistant Director, Maewyn Cumming

New Directions in Government, London, September 2004

Pan-European Challenges, Zaragoza, June 2004

Interoperability in the UK: The e-GIF, Norway, June 2004

Thesaurus Workshop, London, June 2004

Interoperability Standards for UK eGov Strategy, Italy, May 2004

Building the GCL: Practical taxonomy design, London, March 2004



New directions in government

Maewyn Cumming
Assistant Director, Technology Policy

DIAMOND September 2004



The e-Government Unit

- **Works with departments to deliver efficiency savings while improving the delivery of public services by joining up electronic government services.**
- **Provides sponsorship of Information Assurance.**

Objectives

- E-enablement of services
 - To allow citizens and companies to serve themselves in their dealings with government
- To transform the delivery of front-line services
 - Projects underpinned by ICT
- Transform corporate services
 - ICT support to utilise shared services or outsource
- Improve secure access to services
 - Identification technologies, e.g. biometrics



Agenda

- **Focus on services and projects, not on ICT in itself**
- **Understand people's agendas and concentrate on government-wide teamwork**
- **Set a climate of internal competence**
- **Draw on global best practice**



Standards

- **Work in standards will continue, e-GIF will be developed and used more widely**
- **e-GIF sets out the government's policy and standards for interoperability across the public sector**



Thank You

Any Questions?

maewyn.cumming@cabinet-office.gsi.gov.uk

Tel no. 020 7276 3101

Pan-European Challenges

Working Group 5

eGovernment Workshop on Semantic Interoperability

Bronnoysund, Norway June 2004

Objectives

The workshop will contribute in the area of semantic interoperability by

- Describing state-of-the-art semantic interoperability in Europe by presentations of good practice
- Documentating identified and agreed principles, methodology and standards related to identification of data and metadata

Programme

Good practice examples – from five countries

Using standards to improve efficiency

Workshop sessions –

- Organizational aspects
- Theoretical aspects
- Technical aspects
- Implementation aspects
- **Pan-European challenges**

What issues for the Working Group?

“Mapping” between EU and national administrations

- Federation of registries through a common EU “standard”?

European Interoperability Framework

- scope, methodology, governance

EU domain specificity

- “Subsidiarity principle”

- Hierarchy of norms

- Example: ebXML (ISO 15000) > UBL (OASIS)

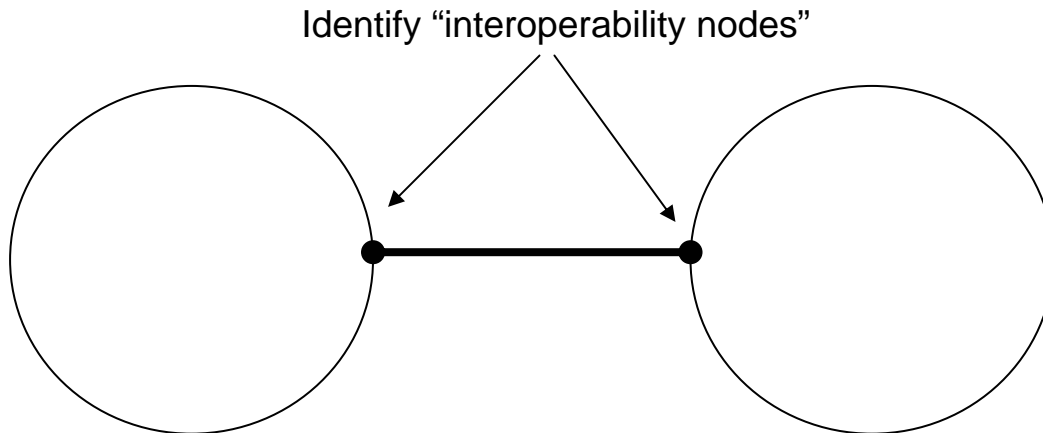
- Layered approach

Information Territory

Vocabularies: metadata, taxonomies, thesauri, ontology

Multilingualism (human and “non-human” languages)

Modelling Design Rules?



Mapping?

Many administrations have similar issues:

- Civil registrations projects
- Legal registration systems (company ID, patents)

Are there common answers/approaches?

- OSCI/XMeld
- OASIS
- ...

What can EU contribute?

- A reference authority?
- Multilingual vocabularies?

Start small...?

Difficult to achieve pan-European consensus, at least as starting point

- Some cross-national projects exist already: can we build on them?

Do we have some starting points?

- Existing data standards that we can propose?
- Project proposal of a Enterprise Interoperability Centre?
- Idea of the "virtual eGovernment agency"?
- EIF?, IDA?...

Start small... (2)

Need for "buy in"

- Easy "on ramp": make start up and access easy...
- Economies of scale
 - Particularly for smaller countries or those with less-developed infrastructure
- Win-win scenarios
- "Incentive structures": carrots and sticks?

Governance

Do we need "government-style" governance, that is currently missing from IT?

Who will be the custodian?

Who will develop/manage the standards

Using the strengths and contributions of different levels and/or competencies of different authorities:

- ISO, CEN,...and EU?

- Consortia...

Governance (2)

How do we work with business?

Issues of IT security (ENISA?)

- Federated identity management and supply: "negotiation" between legal, policy, data protection, freedom of access questions

- Relationship between policy and technical infrastructure questions

Need for reference authority?

- Need for trust and assertion management

Where do we go from here?

Do we know where we want to get to?

Where do we start?

What ?

- Quality Assurance
 - Semantic determinism – “is that what you mean?”
 - Data quality
 - Trusted authorities
- Cross-domain interoperability
- Understanding/agreement on standards to use
- Information re-use
- Simplicity at point of use
- Could we have it now please
- There is an answer...

What ? (2)

- Identity management
 - Seems to be the scenario most used
 - Multiple roles
 - Security (both for the systems and the user)
- Tool sets
 - Comprehensive versioning policies
 - Federated registries
 - Run-time security vs need for replication
- Clearly identified “interoperability nodes”

Who ?

- Who are the users?
 - Citizen as user
 - Gov service as user
- Authorities
 - Trusted agent role
 - Governing role
 - Reference role
 - EU as a "federator": added-value layer

How ?

Just do it!

- Start small
 - Make sure its scalable
- Best practice guidelines
- A forum for exchanging and advancing ideas
 - Virtual eGov centre?
- Public/private collaboration
 - Transparent platform

How (2)

- Reference authority (longer term aim?)
 - Carrots and Sticks: balance needed
 - A European data standards "entity"
 - Help "map" between different systems
 - Give a clear direction for cooperation
 - Methodologies, processes, guidelines
 - Assessment/Validation/Conformance systems

Follow up Requested

- Activity must not stop with this workshop
- Practical “low-key” follow up is most realistic
- Joint initiative CEC/CEN/OASIS
 - (draft business plan exists)
 - Could help lay basis for proposed virtual e-Gov Centre
- Extend cooperation
 - Eg W3C Semantic Web Best Practices Group
- Project based approach?



Interoperability in the UK: the e-GIF

**Maewyn Cumming
Assistant Director, Technology Policy**

Bronnoysund, Norway, 22 June 2004

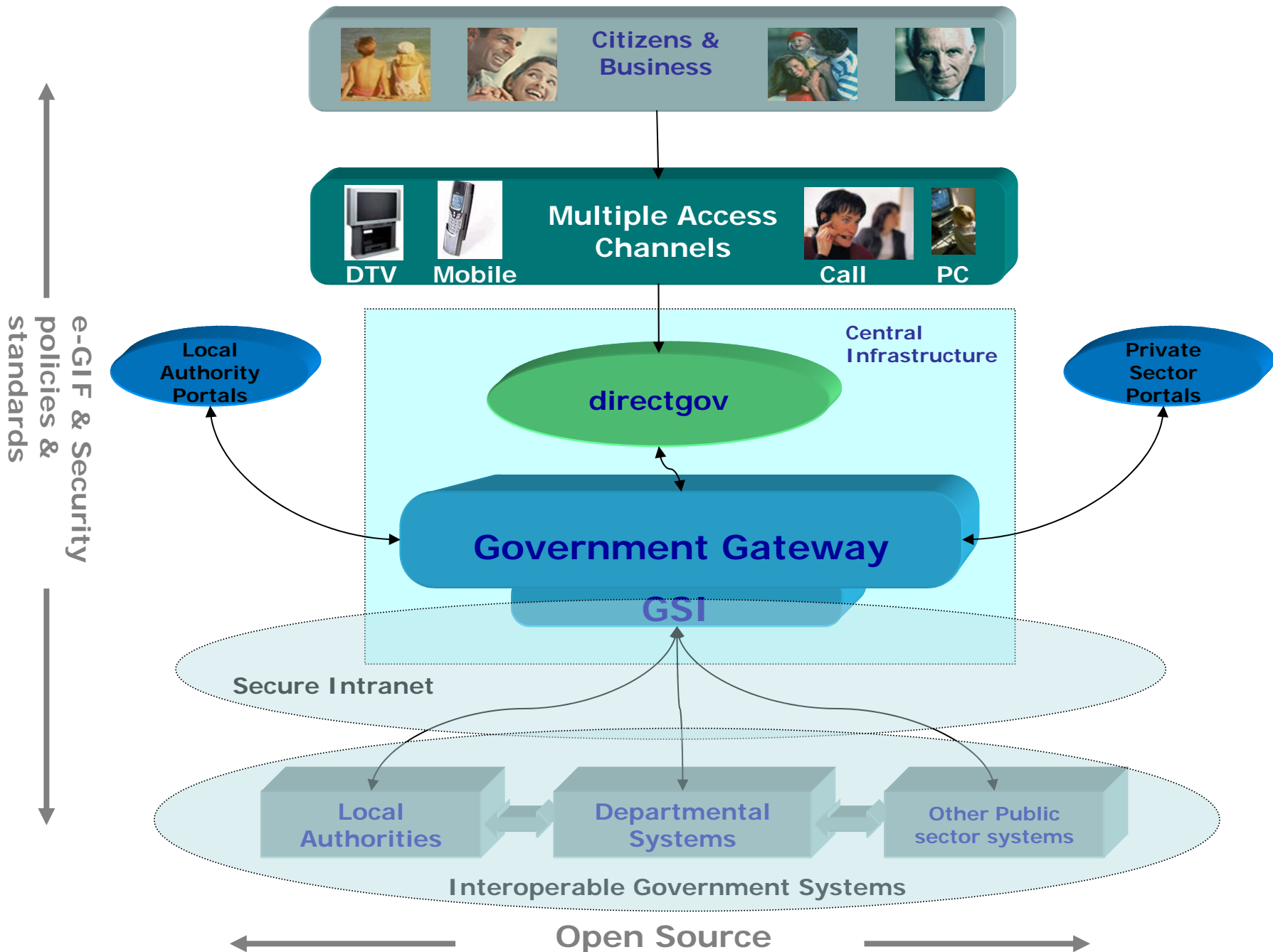
The e-Gov vision (06/2000)



The e-Gov vision (06/2000)

- **We are in the middle of an information revolution which is changing the way we work and live**
- **The UK to be at the forefront of the new global knowledge economy – this is vital for our future prosperity**
- **We must ensure that everyone in our society benefits from the new technology and economy**
- **But we need to change the way we think, operate and deliver services**

Front Office – Direct Transactional Services





Standards - Why e-GIF?

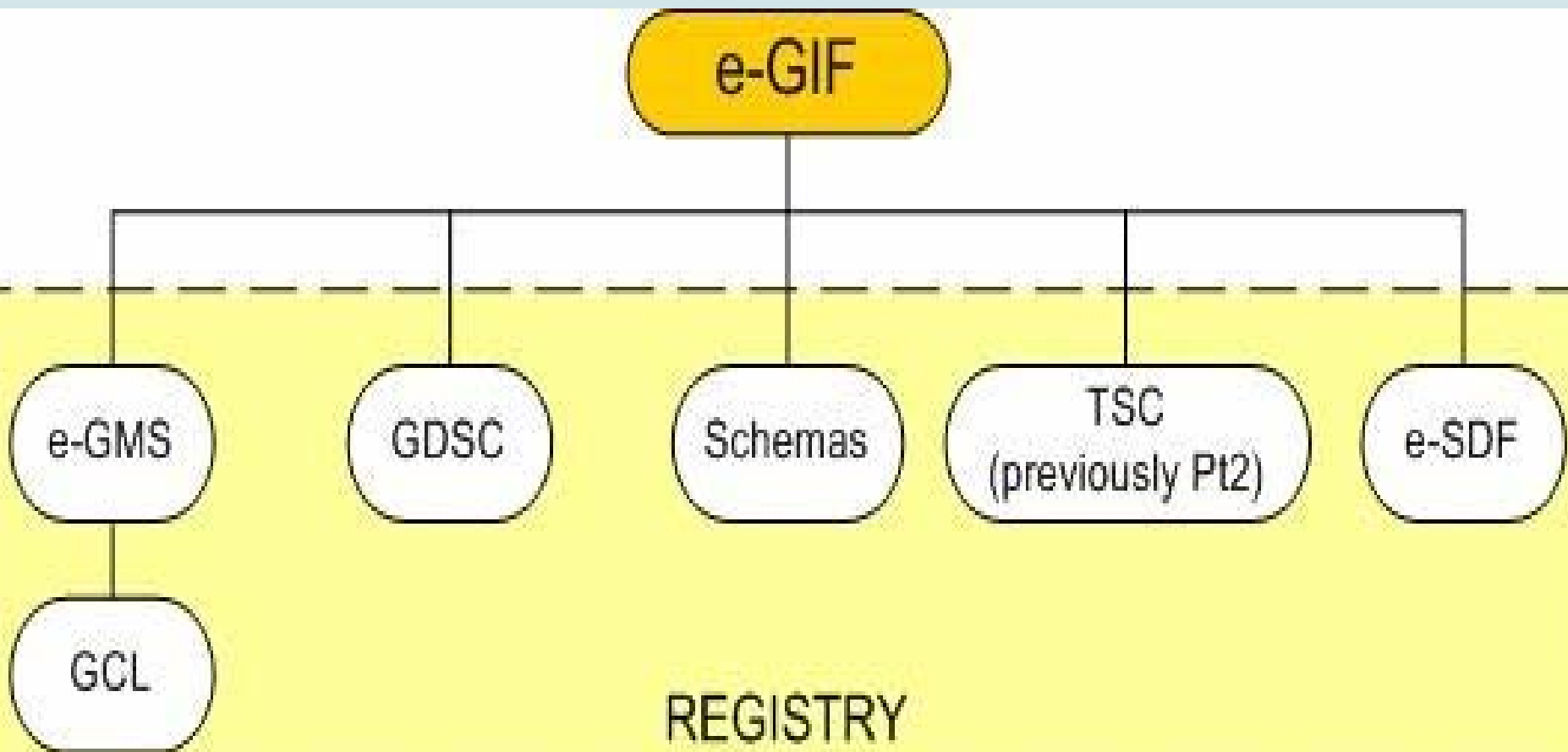
- **Joined-up Government needs joined-up information systems**
- **e-GIF sets out the government's policy and standards for interoperability across the public sector**
- **Focuses on 5 aspects:**
 - Interconnectivity*
 - Data integration*
 - Access*
 - Content management*
 - Business Domains*



e-GIF – headline decisions

- **Adopts Internet and World Wide Web standards for all public sector systems**
- **Adopts XML as the key standard for data interchange**
- **Makes the browser the key interface for access and manipulation of all information**
- **Assign metadata to government information**
- **Adopts open, international standards that are well supported by the market**
- **Internet based implementation strategy through GovTalk website**

e-GIF - architecture



e-GMS - metadata

- **e-GMS based on Dublin Core with additional elements to support government information**
 - Records management**
 - Data Protection Act requirements**
 - Freedom of Information requirements**
 - e-Services**
- **Also see GCL, Data Standards, XML Schemas**



e-GIF - implementation

- **e-GIF is mandated for all UK public sector systems**
- **e-GIF Compliance Assessment Service**
Operated by NCC on behalf of eGU
- **e-GIF Skills Accreditation**
NCC setting up new Accreditation Authority



GovTalk provides

- **Interoperability and metadata standards**
- **XML schemas**
- **Government Data Standards Catalogue**
- **Government Category List**
- **e-Service Development Framework**
- **Change control procedures**
- **Discussion forum**
- **RFC and RFP on a global business**
- **Other ICT frameworks**

www.govtalk.gov.uk



Governance

**e-Government
Programme Board**

**Industry
Consultation
Group
(Industry &
Government)**

**Interoperability
Working Group**

**Metadata
Working
Group**

**Gov't
Processes
Working
Group**

**Gov't
Schemas
Working
Group**

**Smart
Cards
Working
Group**



E-GIF - Next steps

- **DOIs**
- **ebXML registry**
- **Semantic interoperability**
- **Geographic application profile**

e-GIF – the international dimension

- **European e-GIF**
 - Project underway to support pan-European services**
 - eGU representing UK**
 - Using UK e-GIF as basis**
- **eGU working with major standards bodies, eg BSI, OASIS, W3C**
 - chair OASIS e-Government Technical Committee**
 - chair OASIS Election & Voter Services Technical Committee**



OASIS e-Government technical committee

- **Approx 150 members to date**
- **Many governments and their agencies:**
 - UK, USA, Finland, Denmark, Germany, Netherlands, Belgium, Canada, Hong Kong, China, Japan, Malaysia, Korea, Australia, New Zealand**
- **ICT suppliers – small and large**
- **Members of other OASIS TCs and other standards bodies**
- **Individuals**



UK e-Gov - next steps

- **Develop Enterprise Architecture for whole of government**
- **Set standards for back office systems and infrastructure**
- **Ensure interoperability between back and front office**
- **Define future data architecture for government**
- **Develop shared service centres and self service facilities**



Thank You

Any Questions?

maewyn.cumming@cabinet-office.gsi.gov.uk



CABINET
OFFICE

Office of
the *e-Envoy*

delivering

UKonline

Interoperability Standards for UK's e-Government Strategy

Maewyn Cumming

Assistant Director, Interoperability

Technolog Policy

Office of the e-Envoy - Cabinet Office

E-Learning Results Summit

Sestri Levante, Italy, May 2004

Today's Agenda

- **UK's e-government vision and strategy**
- **The e-Government Interoperability Framework (e-GIF)**
- **e-Learning technical standards**
- **Conclusions**

Office of
the *e-Envoy*

delivering

UK online

e-Government Vision

- **We are in the middle of an information revolution which is changing the way we work and live And we need to change the way we think about delivering services**
- **The UK to be at the forefront of the new global knowledge economy – this is vital for our future prosperity**
- **We must ensure that everyone in our society benefits from the new technology and economy**

Office of
the *e-Envoy*

delivering

UK online

e-Government Strategy

- All Government services to be online by 2005 with key services achieving high levels of use
- At end 2002 we had 68% of services online
- OeE's task is to provide the *policies, legislation and programmes* to make the above a reality

Office of
the e-Envoy

delivering

UK online

e-Government Interoperability Framework (e-GIF)

- **Joined-up Government needs Joined-up Information Systems**
 - e-GIF sets out the government's policy and standards for interoperability across the public sector
 - Based on wide consultation and agreement
 - Updated every six months

Office of
the *e-Envoy*

delivering

UK online

e-GIF – Headline Decisions

- **Adopts Internet and World Wide Web standards for all public sector systems**
- **Adopts XML as the key standard for data interchange**
- **Makes the browser the key interface for access and manipulation of information**
- **Assign metadata to government information**
- **Adopts open, international standards that are well supported by the market**
- **Internet based implementation strategy through GovTalk website**

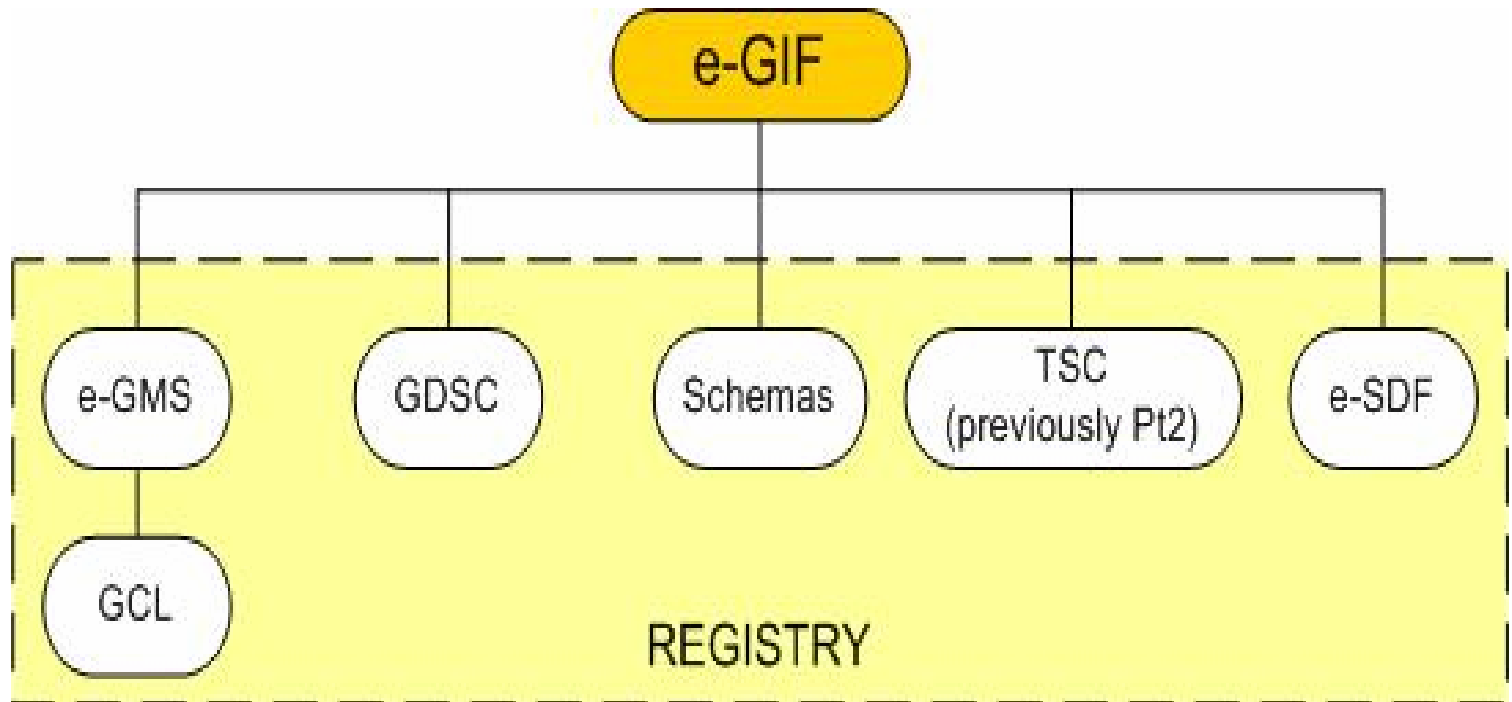
Office of
the e-Envoy

delivering

 UK online

e-GIF is mandated for all UK public sector systems

E-GIF architecture



Specifications for Business Areas

- Specifications for business areas set out in the Technical Standards Catalogue: including
 - finance, procurement, legal, personnel, voting, **e-Learning**
- Specs are at various stages of maturity
- Level of adoption indicated under “Status”
- OeE Working Groups advise on amendments

Office of
the *e-Envoy*

delivering

UK online

Industry Standard and Sponsoring Organisation

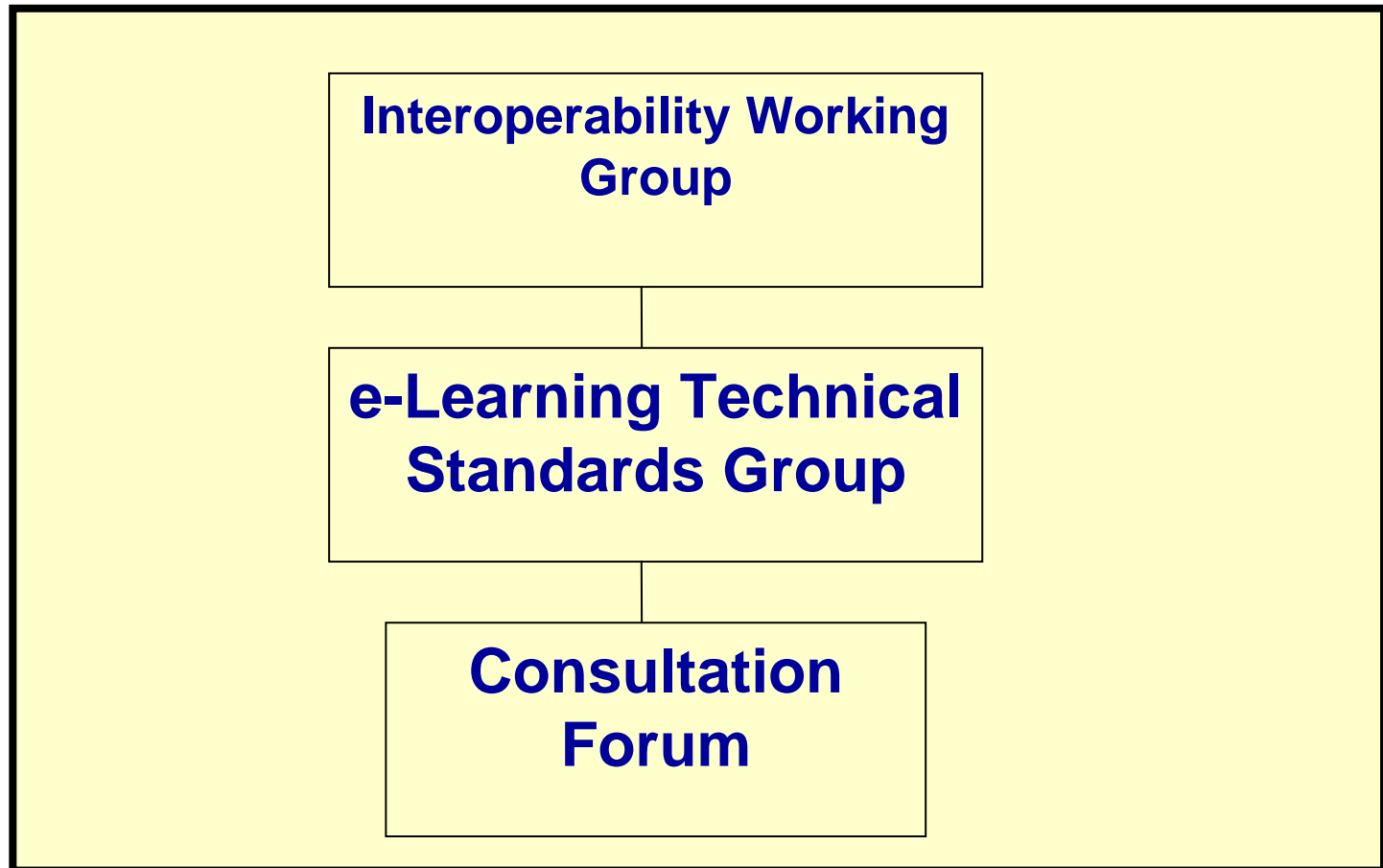
U = Under review
F = For future consideration

| | | |
|--|---|---|
| IMS Content Packaging (V1.1.2) Information Model Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IMS Content Packaging (V1.1.2) XML Binding Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| SCORM 1.2 Content Aggregation Model application profile Sponsor: ADL | U | Under review by OeE/DfES e-learning Working Groups |
| SCORM 1.2 Runtime API application profile Sponsor: ADL | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IEEE 1484.12.1: 2002 LOM Sponsor: IEEE | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IMS Meta-data (V1.2.1) XML Binding Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IMS Question and Test Interoperability (V1.2.1) Information Model Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IMS Question and Test Interoperability (V1.2.1) XML Binding Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IMS Enterprise (V1.1) Information Model Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Enterprise (V1.1) XML Binding Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Learner Information Package (V1.0) Information Model Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| IMS Learner Information Package (V1.0) XML Binding Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Reusable Definition of Competency or Educational Objective (V1.0) Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Digital Repositories (V1.0) Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Simple Sequencing (V1.0) Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Learning Design (V1.0) Sponsor: IMS Global Learning Consortium, Inc. | U | Under review by OeE/DfES e-learning Working Groups |
| IMS Guidelines for Developing Accessible Learning Applications (V1.0) Sponsor: IMS Global Learning Consortium, Inc. | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| BS7988 A code of practice for the use of IT in the delivery of assessments Sponsor: BSI | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| BS8426 A code of practice for e-support in electronic learning systems Sponsor: BSI | R | Recommended for consideration by OeE/DfES e-learning Working Groups |
| BS8419 | F | This is under development and will be considered in the |

E-GIF e-learning

- Need guidance and clear conformance measures to be 'Adopted' - none at present
- 'Recommended' standards include
 - IEEE 1484.12.1 - 2002 LOM
 - IMS Content Packaging
 - SCORM 1.2 Runtime API
 - IMS Meta-data XML Binding
 - IMS Question and Test Interoperability
 - IMS Learner Information Package
 - IMS Accessibility Guidelines
 - BS7988 IT in the delivery of assessments

E-Learning groups



UK GovTalk provides

- **Interoperability and Metadata Standards**
- **XML Schemas**
- **Government Data Standards**
- **Government Category List**
- **e-Service Development Framework**
- **Change Control Procedures**
- **Discussion Forum**
- **RFC and RFP on a global business**
- **Other ICT frameworks**

Office of
the *e-Envoy*

delivering

UK online

www.govtalk.gov.uk

Way Forward

- **e-Learning Technical Standards Working Group**
 - produce roadmap of adoption of specifications
 - continue to monitor, develop and agree specifications for future versions of e-GIF
- **Consider Conformance Testing needs**
- **Liaison with EC and international initiatives**

Office of
the *e-Envoy*

delivering

UK online

Summary

- **UK's e-government strategy: harnessing the information revolution to improve the lives of our citizens and the UK economy**
- **Delivering e-government requires pervasive technologies, eg Internet, XML**
- **The delivery requires the involvement of, acceptance by and partnership with the public and private sectors**

Office of
the *e-Envoy*

delivering

UK online



CABINET
OFFICE

Office of
the *e-Envoy*

delivering

UK online

thank you

maewyn.cumming@e-envoy.gsi.gov.uk

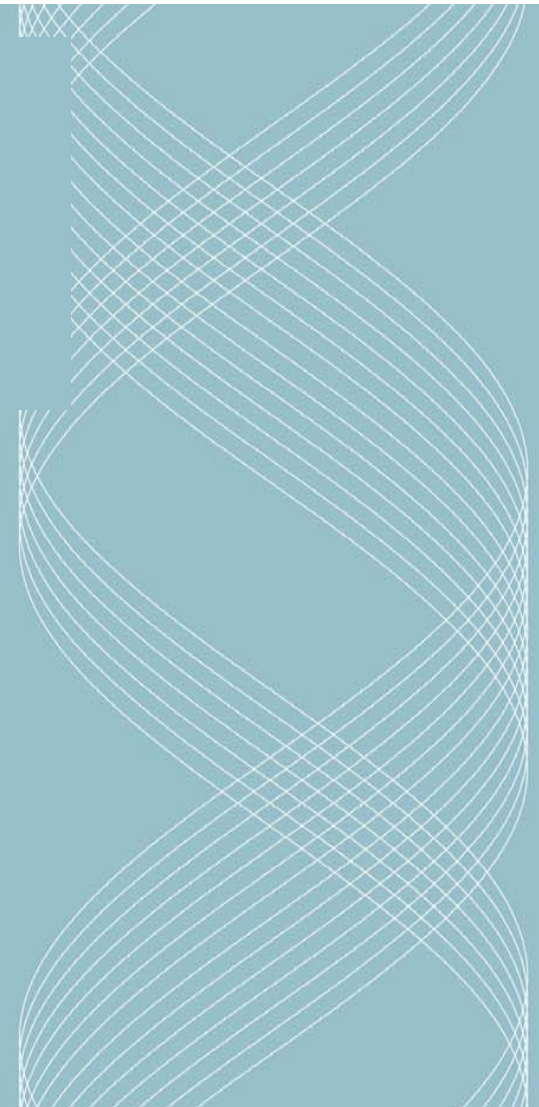
www.govtalk.gov.uk



Thesaurus workshop:

Home Office, 17 June 2004

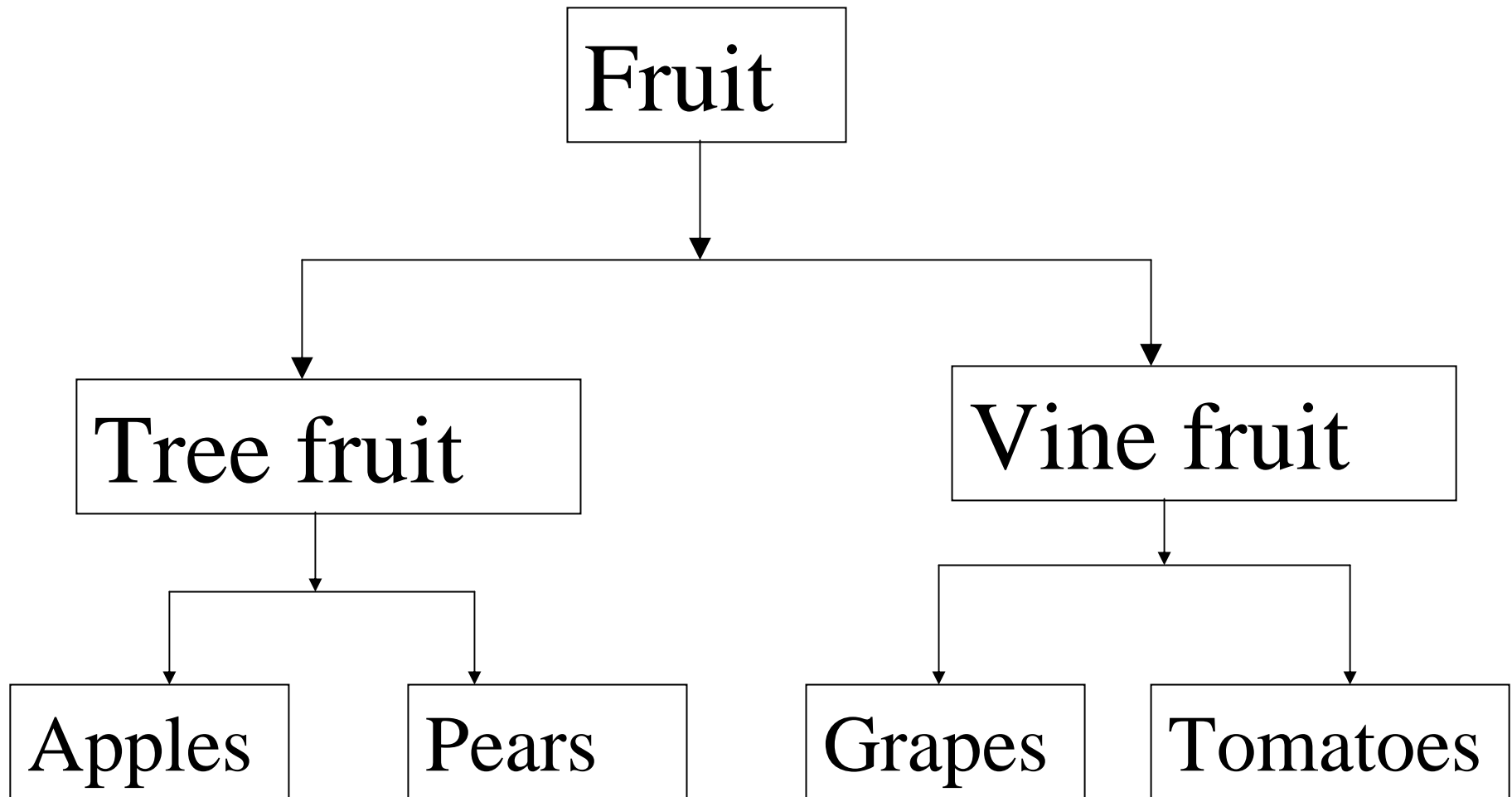
Maewyn Cumming, AD, Interoperability and Metadata



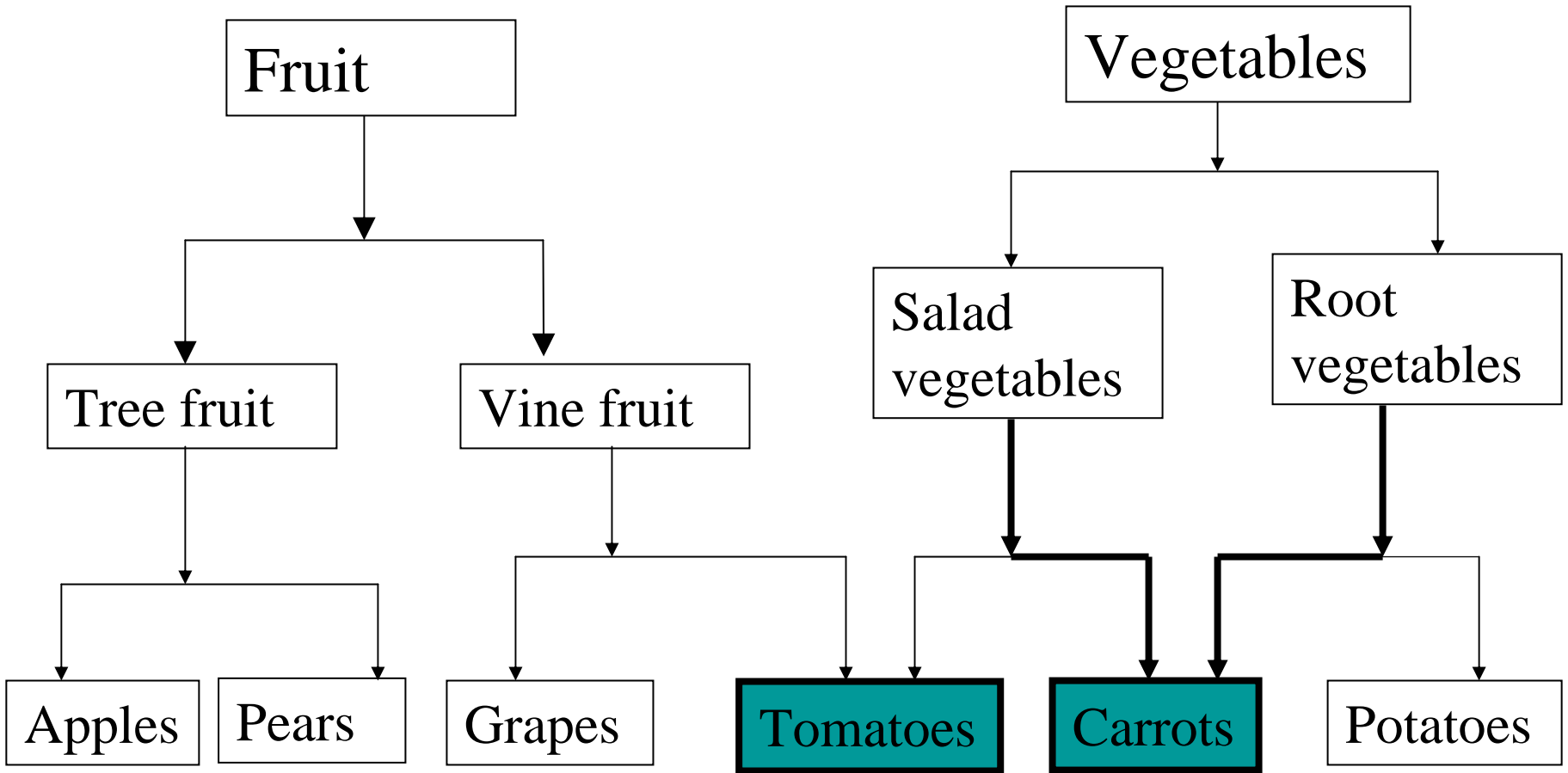


A word about words.....

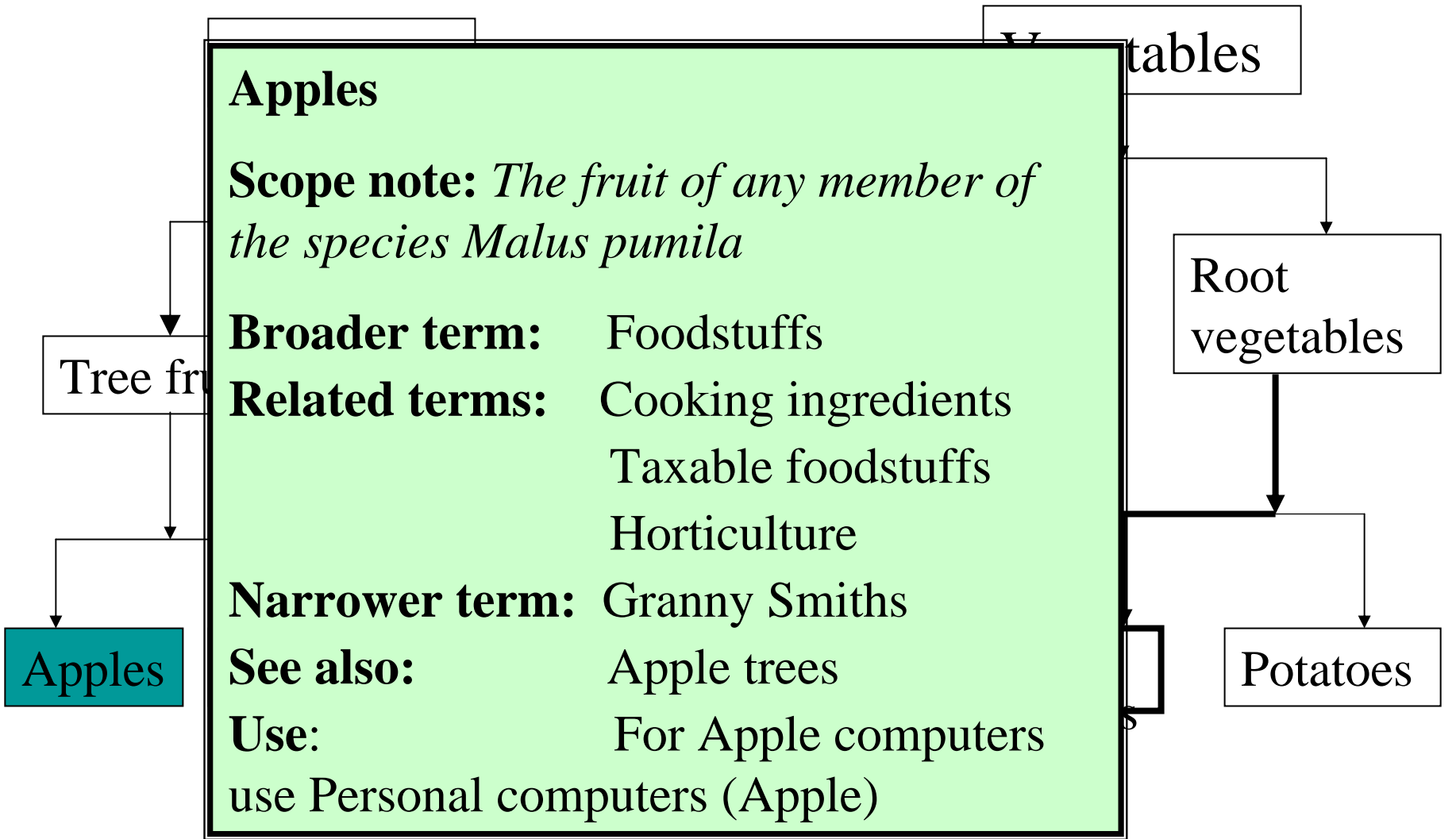
- List
 - Taxonomy
 - Thesaurus
 - Ontology
-
- All are types of *controlled vocabulary*



Traditional taxonomy



Polyhierarchical taxonomy



Thesaurus

Fruit

Vegetables

Apple *Noun* **Apples** *Noun plural* **Scope note:** *The fruit of any member of the family Malus pimula* **Price** £0.90/kilo **Supplier** *Bob's fruit store* **Delivery area** *SW12*

Tree

Agent: *Are apples expensive?*

Apple is a noun Expensive is an adjective Adjectives are used to distinguish nouns An Apple is either a computer or a fruit in any context. Apple in the context of computers is the name of a computer manufacturer. If an Apple is perishable or has pips it is Fruit. Apple in the context of fruit is a type of fruit. When Apples are computers expensive means price <£1500. When Apples are a fruit, expensive means price < £1/kilo.

Apples

Therefore: these apples are not expensive.

Ontology

In context

- Metadata: used to ‘tag’ things so they can be found
 - Metadata covers a range of ‘elements’ such as title, date published, type, and subject
 - Adding metadata is mandated by the e-GIF
 - Adding a GCL terms is part of being e-GIF compliant

> Household appliances > Kitchen appliances > Kettles

Search
by word or catalogue number
 [go](#)

[a-z index](#)

Quick Order
with catalogue numbers



Save £10.00 **Special Offer**

Brita Acclaro Select Water Filter Kettle.
Was ~~£59.99~~ 422/1294

£49^{.95}

- Premium chrome finish.
- 3kW Rapid Boil technology.
- 1.5 litre filtered capacity - to 12 cups, 2.5 litre total capacity.
- Easy fill, pour through lid.
- Includes 1 cartridge.
- Combined water filter and kettle.
- Integral BRITA water filter cartridge.
- Concealed stainless steel element.
- Features 'Memo'.
- Dual water level indicators.
- Auto shut off.
- Dual on/off switch for separate water filtration and boiling.
- Attractive transparent cordless kettle.

This item can be reserved for store pick up
Delivery usually within 2 working days.

[add to trolley](#)

Special Offer

Save £5 when you buy either the Brita Acclaro Select Kettle (422/1294) or Brita Acclaro Premium



GCL

- **Government Category List**
- Subject.category
- List of broad subject headings to aid cross-governmental browsing
- Helps people find information easily
- Provides consistency across public sector
- Designed to fit on a screen

[Documents page](#), for more hints on how to use the GCL efficiently and effectively.

The GCL is updated twice a year and it may be downloaded in several different formats from the [Documents page](#).

The online version beginning on this page is:

GCL Version 2.0, January 2004

Index

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Search the GCL

- [Agriculture, environment and natural resources](#)
- [Arts, recreation and travel](#)
- [Business and industry](#)
- [Crime, law, justice and rights](#)
- [Economics and finance](#)
- [Education, careers and employment](#)
- [Government, politics and public administration](#)
- [Health, nutrition and care](#)
- [Information and communication](#)
- [International affairs and defence](#)
- [People, communities and living](#)
- [Science, technology and innovation](#)

- Metadata
- GCL
 - [GCL Documents](#)
 - [GCL Help](#)
 - [GCL FAQ](#)
- [e-Services Framework](#)
- [RFP Form](#)
- [Help](#)
- [FAQ](#)





Crime

Use for

- [Crime prevention](#)
- [Crime reduction](#)

Broader category

- [Crime, law, justice and rights](#)

Narrower category

- [Domestic violence](#)
- [Drug-related crime](#)
- [Murder](#)
- [Offenders](#)
- [Organised crime and terrorism](#)
- [Racially motivated crime](#)
- [Sex offences](#)
- [Smuggling](#)
- [Theft and burglary](#)
- [Vehicle crime](#)
- [Victims of crime](#)
- [Violence against the person](#)
- [War crime](#)
- [Antisocial behaviour and disorder](#)
- [Arson](#)
- [Business crime](#)

See also

- [Security](#)
- [Extradition](#)
- [Forensic science](#)

travel

- ▶ Business and industry
- ▶ Crime, law, justice and rights
- ▶ Economics and finance
- ▶ Education, careers...
- ▶ Government, politics...
- ▶ Health, nutrition and care
- ▶ Information and communication
- ▶ International affairs and defence
- ▶ People, communities...
- ▶ Science, technology...
- ▶ Local councils

Agriculture, environment and natural resources

Includes energy, fuel, environmental protection, plants and animals

- ▶ Agriculture, environment and natural resources

Business and industry

Includes business practice, regulation, companies and trade

- ▶ Business and industry

Economics and finance

Includes investment, personal finance, tax and the euro

- ▶ Economics and finance

Government, politics, and public administration

Includes central government, the electoral system and regional policy

- ▶ Government, politics, and public administration

Information and communication

Includes freedom of information, libraries, archives and media

- ▶ Information and communication

People, communities and living

Includes benefits, housing, population and social inclusion

- ▶ People, communities and living

Arts, recreation and travel

Includes culture, sport, tourism and transport

- ▶ Arts, recreation and travel

Crime, law, justice and rights

Includes the justice system, emergencies and security

- ▶ Crime, law, justice and rights

Education, careers and employment

Includes career development, schools and equal opportunities

- ▶ Education, careers and employment

Health, nutrition and care

Includes family planning, food, NHS and safety

- ▶ Health, nutrition and care

International affairs and defence

Includes defence, embassies, immigration and international organisations

- ▶ International affairs and defence

Science, technology and innovation

Includes biotechnology, research and development

- ▶ Science, technology and innovation

and discover what you can do online

▶ Do it online categories

Guide to government



Information on the structure of local, central and European government

▶ Guide to government

Search
by word or catalogue number
 [go](#)
[a-z index](#)

Quick Order
with catalogue numbers

Click & Collect
Reserve online, pay & collect in-store

Special offers & price cuts

Feature Zones

- Euro 2004**
play to win with our football crazy game!
- Digital Photography**
deals and advice
- Online Exclusives**
now even more choice
- Home Inspirations**
ideas for every room
- Wedding & Gift Lists**
now online
- Gift Ideas**
need inspiration?

Email Updates - Latest prices, offers & promotions

Save £350 on this Samsung 42ins rear projection TV with cabinet

was ~~£1199.99~~
now **£849.99**

up to HALF PRICE SALE
PLUS other great value offers
CLICK HERE
Subject to availability. Selected lines, ends 23/07/04

Save up to 1/2 price on this Rio leather sofa

was ~~£699.99~~ now **£349.00**

Summer Fun!

deals to brighten up your summer

Furniture

Beds, Sofas and chairs, Bedroom furniture | [more](#)

Sound & Vision

Televisions, Home audio, DVD and video | [more](#)

Household Appliances

Washers and dryers, Cookers, Irons | [more](#)

Homewares

Bedding, Kitchenware, Bathroom | [more](#)

Photography

Digital cameras, Camcorders, APS cameras | [more](#)

Baby

Nursery, Baby toys, Baby safety | [more](#)

DIY, Garden & Pets

Garden furniture, Barbecues, Sheds | [more](#)

Sports & Leisure

Home gym equipment, Cycling, Luggage | [more](#)

Toys & Games

Outdoor toys, Video games, Character toys | [more](#)

Office, PC & Phones

Mobile phones, Office furniture, Telephones | [more](#)

Personal Care

Hair care, Tanning, Pampering and spa | [more](#)

Jewellery & Watches

Earrings, Bracelets, Watches | [more](#)

NEW Wedding List service
now available online!

NEW! Order prints of your digital photos
[www.argosphoto.co.uk](#)

Great Saves for Euro 2004

[click here](#)

FOOTBALL CRAZY!
PLAY to WIN NOW!
[argosfootballcrazy.co.uk](#)

WOW! Save £100
Daewoo ERF365A White Frost Free Fridge Freezer.
£229.00*

WOW! Save £70

Winchester Hardwood Patio Set.

WOW fantastic offers!

- [Save up to £300 on portable LCD TVs](#)
- [Save up to £50 on selected Dyson cleaners](#)
- [Save up to 1/3 on selected bedroom furniture](#)
- [Up to £130 off selected washing machines](#)
- [Save up to 1/2 on selected garden furniture](#)
- [Save 20% off ALL paddling pools](#)
- [Save up to £300 on selected treadmills](#)

What is this all for?

- Finding stuff
 - On the internal filing system
 - On the intranet
 - On the website
 - On cross- government portals/ TNA
- Managing information
 - Deleting old stuff
 - Reorganising stuff
 - Archiving stuff
 - Records management, FOI, DPA.....

You say potato...

- ...I say tuberosum s
- Murder
- Unlawful killing
- Homocide
- Murder One
- First degree murder
- Hooliganism, anti-social behaviour, soccer thugs, drunk and disorderly, yobos, youths...



Implementing a controlled vocabulary

- See from both ends – input and user
- Needs to be as automated as possible
- Needs to fit into existing systems
- Needs visible value (to be exploited)
- Should require no repetition of effort
- It should be easy to add terms
- **It's harder than you'd think**



FOI

- Is all about filing!
- Finding stuff, no matter where it is or what type of file it is, or how its asked for



A problem of multiple taxonomies

- All public sector told to use GCL
- ODPM / LAWS creates LGCL
- Essex gets Seamless
- Join-up



Home Office Thesaurus

GCL

LGCL

Seamless

LGCL

LGCL

LGCL





Information and advice

- Govtalk www.govtalk.gov.uk
- Govtalk email govtalk@cabinet-office.gsi.gov.uk
- Metadata documents
<http://www.govtalk.gov.uk/schemasstandards/metadata.asp>
- Guidance on the use of metadata in eGovernment
<http://www.cenorm.be/cenorm/businessdomains/businessdomains/iss/cwa/meta-data+dc.asp>



Questions?



Where next?

Government Category List

Home Office Thesaurus

Police

**Crime
Reduction**

Immigration



[t, Architecture](#)
[Photography](#)
[Radio Cassettes](#)
[Radio CDs](#)
[ography](#)
[usiness, Finance](#)
[Law](#)
[ildren's Books](#)
[omics & Graphic](#)
[ovels](#)
[omputers &](#)
[ternet](#)
[ime, Thrillers &](#)
[ystery](#)
[Books](#)
[ction](#)
[od & Drink](#)
[y & Lesbian](#)
[ealth, Family &](#)
[estyle](#)
[story](#)
[ome & Garden](#)
[orror](#)
[mour](#)
[nd, Body &](#)
[pirit](#)



£3.99

New & Notable



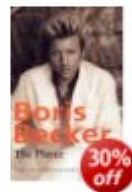
[Birds Without Wings](#)
 by Louis De Bernieres
Our Price: £12.59



[Shopaholic and Sister](#)
 by Sophie Kinsella
Our Price: £9.09
Used & New from £9.00



[The Supernaturalist](#)
 by Eoin Colfer
Our Price: £7.79
Used & New from £7.79



[Boris Becker - The Player: The Autobiography](#)
 by Boris Becker
Our Price: £12.59
Used & New from £11.79

Summer Paperbacks--3 for £12



Get **3 for £12** on a great selection of summer paperbacks new and old, including [Empire: How Britain Made the Modern World](#). Niall Ferguson captures the excitement, brutality and adventure of the British Empire, showing how Britain in the 19th

Football for Fathers



Treat Dad to [100 Years of Football](#). Find more great [Father's Day gifts](#) or browse more [football books](#).
Our Price: £15.00

Hot 100 Books

Updated hourly

1. [A Short History of Nearly Everything](#) ~ Bill Bryson
2. [The Da Vinci Code](#) ~ Dan Brown
3. [Monday Mourning](#) ~ Kathy Reichs
40% off

Browse Humour

Add Favourites

- [General](#)
- [Business](#)
- [Cats, Dogs & Animals](#)
- [Collections & Anthologies](#)
- [Comic Strips](#)
- [Computers & Internet](#)
- [Cooking](#)
- [Doctors & Medicine](#)
- [Encyclopaedias](#)
- [Essays](#)
- [Fiction](#)
- [Humorous Verse](#)
- [Hunting & Fishing](#)
- [Jokes & Riddles](#)
- [Lawyers & Criminals](#)
- [Limericks](#)
- [For Children](#)
- [Love, Sex & Marriage](#)
- [Parodies](#)
- [Political](#)
- [Puns & Wordplay](#)
- [Rural Life](#)
- [Satire, Classic](#)
- [Satire, General](#)
- [Science & Scientists](#)
- [Self-Help & Psychology](#)
- [Sports](#)
- [Theories of Humour](#)
- [TV Tie-in Humour](#)
- [Urban Legends](#)

Related Categories

- [Audio CDs](#)
- [Audio Cassettes](#)

Search in Humour:

GO!

Humour Essential Bookshelf

- [Hot 25](#)
- [30% off Books over £10](#)
- [New & Future Releases](#)
- [Paperbacks](#)

Hot Summer Deals



Get **3 for £12** on a huge range of paperback titles--[choose](#) from a selection of this summer's hottest must-read books.

Top Sellers Updated Daily



1. [Eats, Shoots & Leaves: The Zero Tolerance Approach to Punctuation](#) by Lynne Truss

Our Price: £6.99 You Save: £3.00 (30%) [Used & New](#) from **£5.90**



2. [Dave Gorman's Googlewhack Adventure](#) by Dave Gorman

Our Price: £7.69 You Save: £3.30 (30%) [Used & New](#) from **£7.00**



3. [Molvania: A Land Untouched by Modern Dentistry \(Jetlag Travel Guide S.\)](#) by Santo Cilaurio, et al

Our Price: £7.19 You Save: £1.80 (20%) [Used & New](#) from **£5.92**



4. [There Was an Old Lady Who Swallowed a Fly \(Classic Board Books with Holes\)](#) by Pam Adams

Our Price: £3.99 [Used & New](#) from **£2.45**



CABINET
OFFICE

Office of
the *e-Envoy*

delivering

UKonline

Building the GCL

Practical taxonomy design

London 9 March 2004

The beginning

- Information Asset Register
- Pan Government Thesaurus
- Knowledge Network
- Policy Category List
- UKonline
- APLAWS
- Metadata Working Group

Office of
the *e-Envoy*

delivering

UK online

Next stages

- Needs analysis
 - **no single contender for main user**
 - **very wide coverage**
 - **many users**
- First major consultation – the workshop
- Input from specialists

Purpose

- Clear about purpose:
 - **Joining up government**
 - **Browsing web sites, esp portals**
 - **Cross government – wide range**
- Clear criteria, based on PCL

Office of
the *e-Envoy*

delivering

UK online

The criteria

- Keywords should describe the **subject** of a document, not its type, format etc.
- Choice of terms should be **citizen-oriented** rather than discipline-oriented or department-oriented.
- Keywords should be phrased with **stability** in mind.
- *It will be possible to assign more than one keyword to a resource*

Criteria for terms

- The terms must be:
 - comprehensible
 - unambiguous
 - unique
 - as short as possible
 - expressed in English
 - politically unbiased

The build

- The easy bit!
- All organisations asked to contribute terms
- Policy Category List
- Consultation all the way

Office of
the *e-Envoy*

delivering

UK online

Updating

- GCL always available for comment
- Formal consultation rounds
- Updating period now 6 months

Office of
the *e-Envoy*

delivering

 **UK online**

Uses



Browse by subject

- > A-Z of government
- > A-Z local authorities
- > Agriculture, environment...
- > Arts, recreation & travel
- > Business & industry
- > Crime, law, justice & rights
- > Economics & finance
- > Education, careers...
- > Government, politics...
- > Health, nutrition & care
- > Information & communication
- > International affairs & defence
- > People, communities...
- > Science, technology...

The easy way to government info and services online

Down your street



Local services from the UK government. Find your nearest GP, discover more about your neighbourhood and more...

- > Neighbourhood statistics
- > Local NHS services
- > Public services

Inquiry into the death of Dr David Kelly

Lord Hutton has published his report

- > Lord Hutton's report (Inquiry website)
- > PDF of Hutton Report (2Mb)
- > PM's statements

Your questions answered!

If you have a question that needs answering why not try our frequently asked questions or ask our editor?

- > Frequently Asked Questions
- > The Editor's inbox

News from across government

NHS advertises for choice



People waiting for surgery in London are being reminded of the choices they have for treatment by newspaper adverts.

Watch PMQs live

The weekly debate from the Commons broadcast on your PC

- > Prime Minister's Question Time

Safe surfing

Help protect children using the internet

- > Safe surfing - advice for parents
- > Advice for children
- > Think U Know

youngGov

Working with young people

- > Find out the latest
- > Working at an animal shelter
- > Get a reward card



Floodline
0845 988 1188





Her Majesty's Stationery Office

HMSOnline



--- Quick Links ---

[HOME](#)

[New Legislation](#) | [Contact HMSO](#) | [FAQs](#) | [Sitemap](#) | [A - Z Site Index](#) | [Privacy Policy](#)

[Search the Information Asset Register](#)

Enter your search words here:

Search

Clear

Select for Boolean search.

(You may use any of the following operators in a Boolean search: AND, NOT, OR)

[Government Category List](#)

Select a link below to browse and search by Government Category List classification.

[Agriculture, environment and natural resources](#)

[Arts, recreation and travel](#)

[Business and industry](#)

[Crime, law, justice and rights](#)

[Economics and finance](#)

[Education, careers and employment](#)

[Government, politics and public administration](#)

[Health, nutrition and care](#)

[Information and communication](#)

[International affairs and defence](#)

[People, communities and living](#)

[Science, technology and innovation](#)

[Further Search Options](#)

Restrict your search by Organisation:

---Any---
[British Geological Survey](#)
[British Trade International](#)
[Cabinet Office](#)

Restrict your search by Title:



- » First Visit
- » About Us
- » Research and Reports
- » Regional Strategies
- » Regional Key Facts
- » Maps
- » Links
- » Feedback

Themes

Select theme to view details of regional data sources:

- Compendia & Reference
- Agriculture, Envir...
- Arts, Recreation...
- Business and Indus...
- Crime, Law, Justic...
- Economics and Fina...
- Education, Careers...
- Government, Politi...
- Health, Nutrition...
- Information and Com...
- International Affa...
- People, Communitie...

Society

This category has data sources under the Level 1 Government Category List (GCL) headings of:

- » Arts and recreation
- » Crime, law, justice and rights
- » Government, politics and public administration
- » Information and communication
- » International affairs and defence
- » People, communities and living

Key Resources

The following websites are key resources for data on society.

| | |
|--|--|
| Cabinet Office | www.cabinet-office.gov.uk |
| Census 2001 | www.statistics.gov.uk/census2001/default.asp |
| DCMS (Department for Culture, Media and Sport) | www.dcms.gov.uk |
| DWP Statistics and Research | www.dwp.gov.uk/asd/index.asp |
| Home Office Research Development Statistics | www.homeoffice.gov.uk/rds/index.htm |
| Neighbourhood Statistics | www.neighbourhood.statistics.gov.uk/ |
| ODPM Statistics | www.odpm.gov.uk/about/statistics/index.htm |
| Office for National Statistics | www.statistics.gov.uk |
| Office of the e-Envoy e-Statistics | www.e-envoy.gov.uk/Resources/EStatmap/fs/en |
| Star UK Tourism Facts | www.staruk.org.uk//default.asp?id=14&encDivVal=0-14&parentid=0 |
| Statistical Office of the European Communities | www.europa.eu.int/comm/eurostat |

Further society data sources are grouped under the following headings:

- » Data Sources
- » Reports
- » Regional Documents
- » Maps

- > First Visit
- > About Us
- > Research and Reports
- > Regional Strategies
- > Regional Key Facts
- > Maps
- > Links

Themes

Select theme to view details of regional data sources:

Compendia & Reference

Main sources of reference for SEE-iN resources and documents

View Details >>

This page offers a guide to "Government, Politics and Public Administration" with links to its data sources, reports, regional documents, maps and metadata.

Data Sources

| TITLE | DATE | AUTHOR | |
|---|-----------|---|----------------------|
| Dod On Line | 2003 | Vacher Dod Publishing | More |
| This website gives a wide range of information on government and its departments, Parliament and MP'... | | | |
| e-Government Interoperability Framework (e-GIF) | 2003 | Office for e-Envoy | More |
| This document, published by the Office for the e-Envoy, sets out the government's technical policies... | | | |
| e-Government Metadata Standard (e-GMS) Version 2 | 2003 | Office for e-Envoy | More |
| This document forms part of the e-Government Interoperability Framework. The e-GMS lays down the el... | | | |
| Government Category List v1.5 | Sept 2003 | UK Govtalk | More |
| The Government Category List is a classification system providing broad subject terms for public sec... | | | |
| Government News Network (GNN) | 2003 | Government News Network | More |
| This site contains all Government departments' press releases. | | | |
| Houses of Parliament Website | 2003 | The Stationery Office | More |
| This site provides information and news about Parliament, including a directory of MPs (by county/UA... | | | |
| Information for Local Government from Central Government | 2003 | The Office of the Deputy Prime Minister | More |
| This site provides the first one-stop portal for local authorities to get quick and easy access to i... | | | |
| Public Expenditure Statistical Analysis (PESA) | 2003 | HM Treasury | More |

Lessons

- Consultation, Consultation, Consultation!
- Do plenty of planning
- Think long term
 - **Have resources in place for maintenance**
 - **Be prepared for awkward questions**
 - **Do more than a list of words**
 - **Don't expect people to understand it!**