Information Management: Strategies and Tools

Peter F Brown
Information Resources Management
European Parliament

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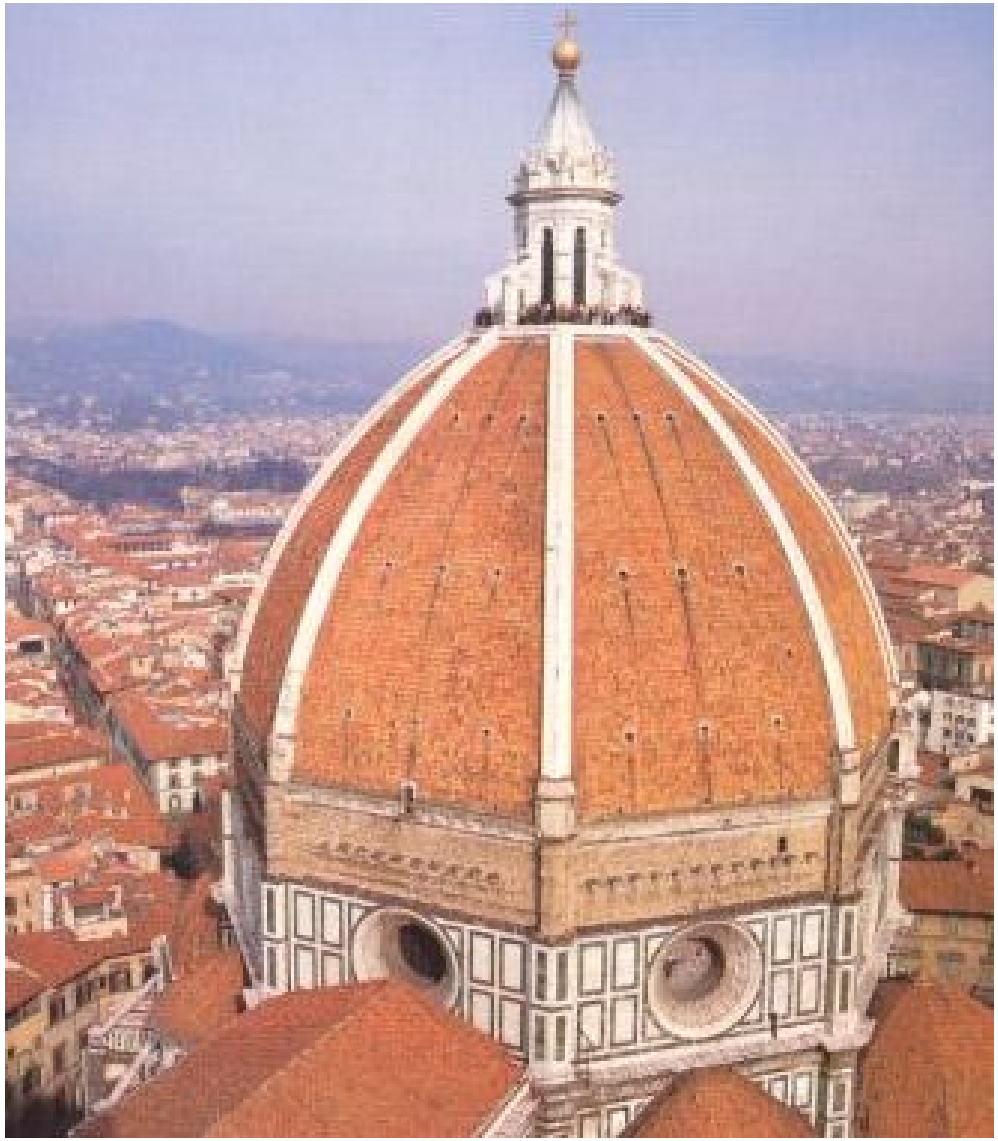
Architecture is not Engineering



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Types of architecture

- Technology
- Application
- Enterprise
- Business
- Information

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What types of information ?

- IT/support information
- Organisational and management
- Operational
  - The essence of a parliament: it works with words and information
  - Information does not help parliaments, it **is** parliaments

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What is information?

- You can only manage what you can identify
- So…
  - How do we identify it?
  - How do we define it?
  - How do we manage it?

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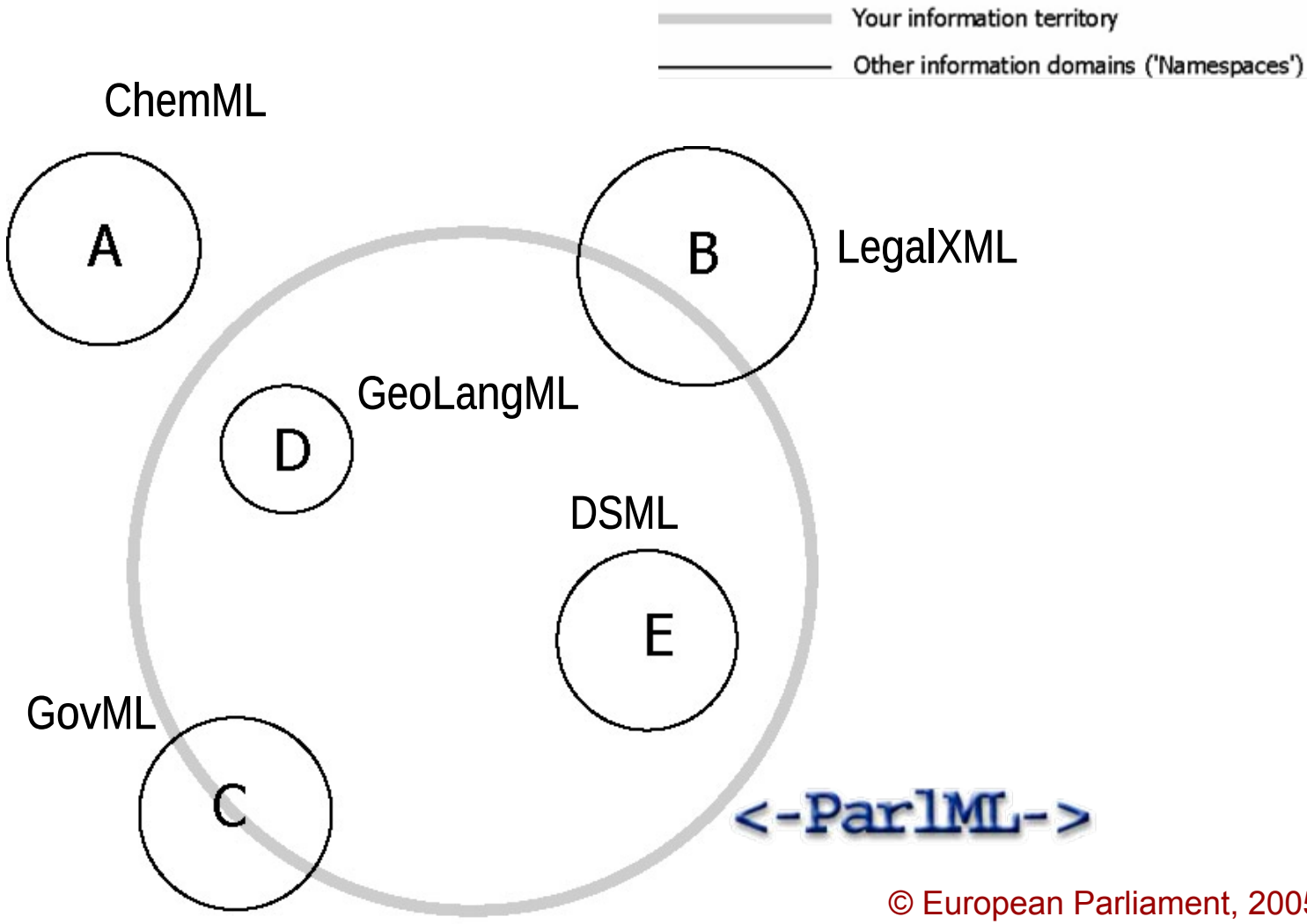
Defining our information

- Role of business semantics



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Defining our information

- Identity

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Defining our information

- Description

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Taxonomies

- Classifying information
- Tricky examples…

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Ontology

- Defining how different types of information relate to each other
  - Defining associations
  - Defining relationships
  - Defining Roles
- Understanding that different contexts can lead to different meanings

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Who manages what

- Four levels of management
  - Governance
  - Stewardship
  - Infrastructure support
  - Usage

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Governance

- Managing definitions
- Reference Data Management
- Defining requirements
- Change/Transformation management

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Stewardship

- Who is responsible for or “owns” the information
- It is possible to own:
  - Content
  - Processes
  - Reference data
  - Metadata standards
  - Data/information models
  - Events

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IT Support

- Providing what the organisation needs
- Optimising (not changing) current infrastructure
- Giving insight and guidance into what is technologically feasible

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Usage

- Information Usage Cycles
- Access and security policies

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Levels of responsibility

- (Global) standards
- Public sector
- Cross-/inter-parliamentary
- Within a parliament
- By functional area

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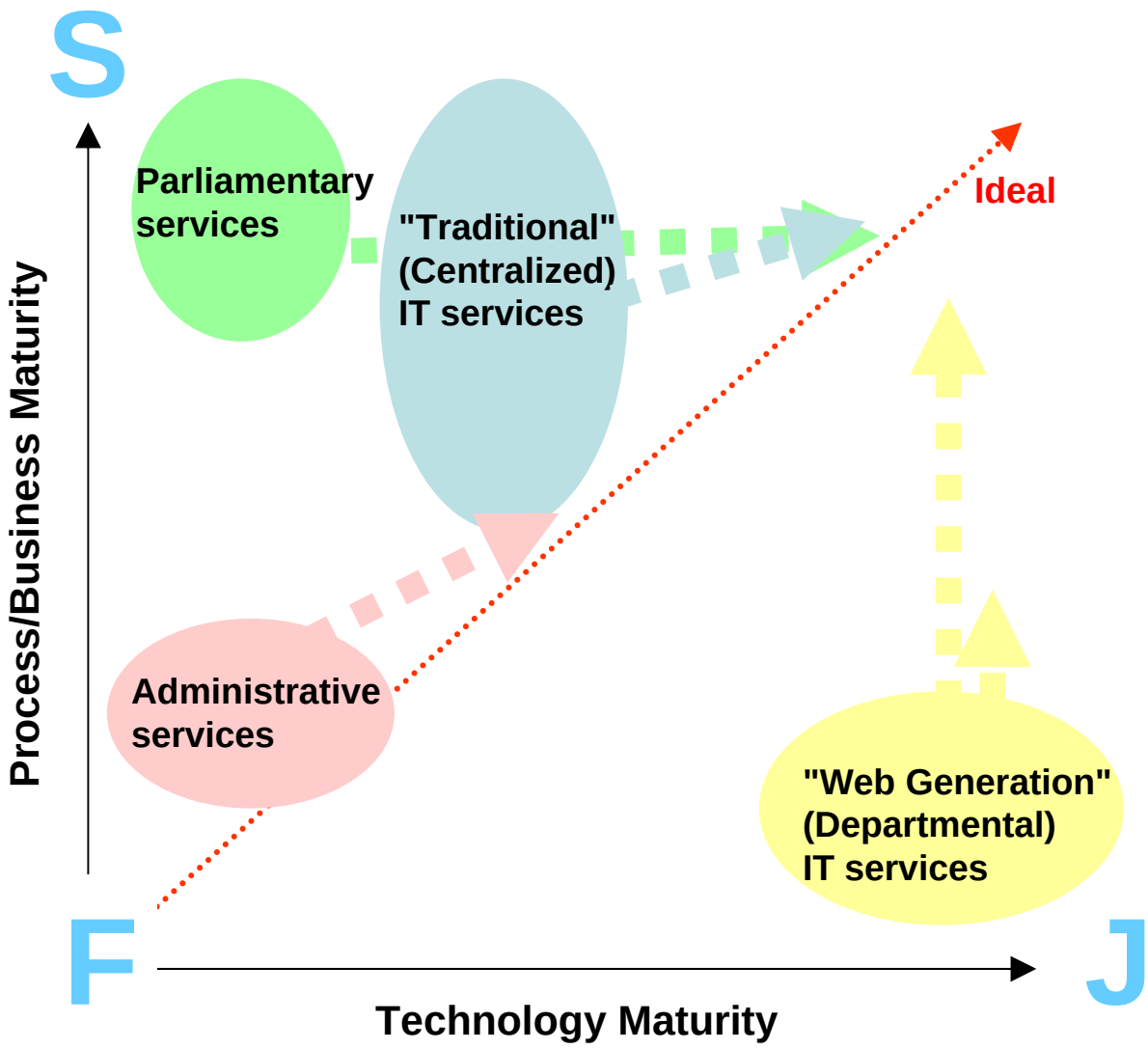
Capability Maturity Matrix



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Contacts

- European Parliament Web Site
  - www.europarl.eu.int
- Interoperability Forum
  - www.europarl.eu.int/Forum/interop/
- Peter Brown
  - pbrown@europarl.eu.int
  - peter@justbrown.net
  - www.XMLbyStealth.net

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