

EC Working Group on Interoperability and Multilingualism

Position statement on semantic interoperability of Digital Libraries
for DELOS/Multimatch WS
Pisa/Tirrenia 15-02-2007

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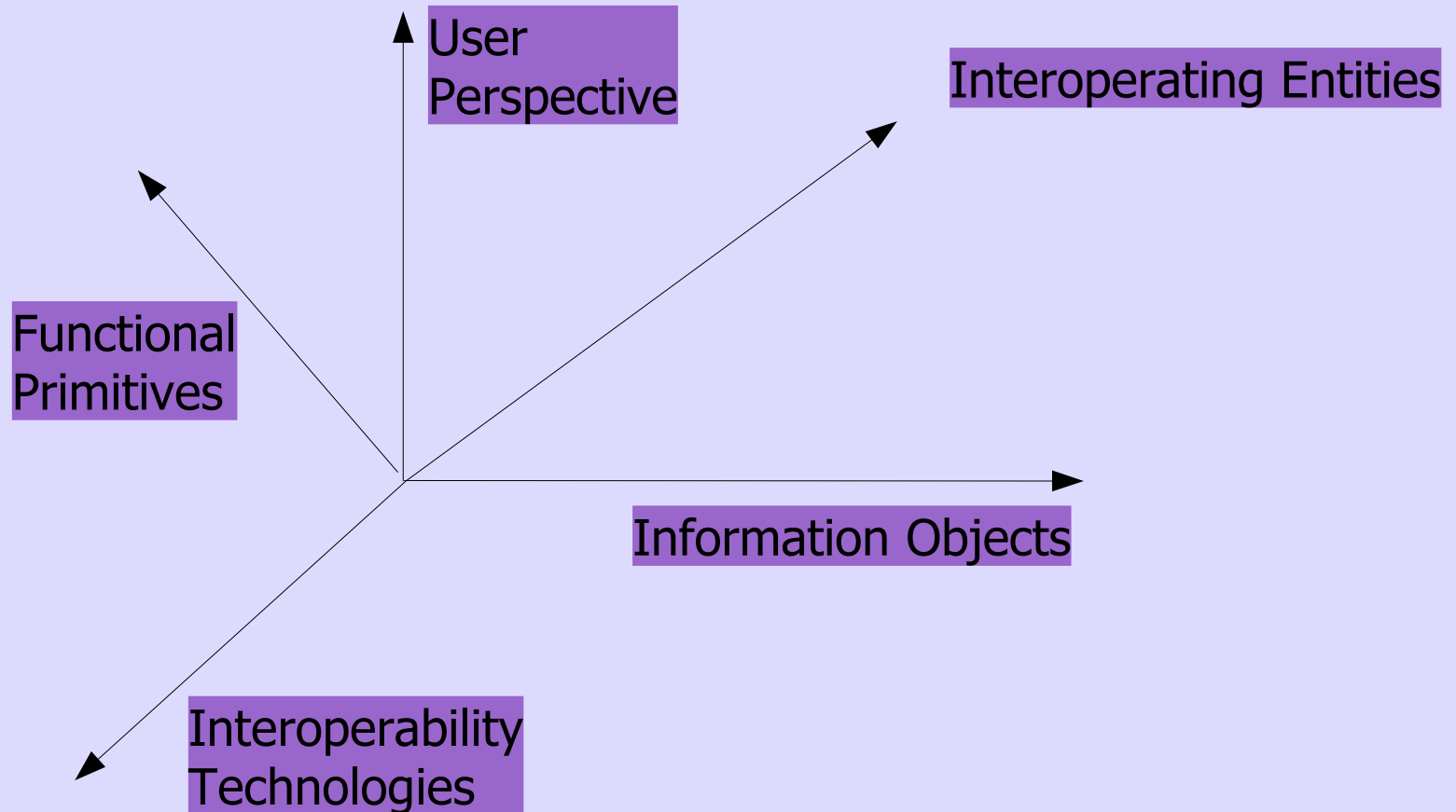
- **WG context**
- WG methodology: **Conceptual matrix** composed of 5 dimensions and organised in four abstraction levels
- Specific **questions and issues** for the workshop

Interoperability WG Context + Mission

- i2010 DL agenda: the work of our group contributes to the setting up of the **European Digital Library** as a common multilingual access point to Europe's distributed digital cultural heritage including all types of cultural heritage institutions
- Double WG mission:
 - Contribute to the **short term agenda**
 - 2008: at least 2 million digital objects; multilingual; searchable and usable; work towards including archives.
 - 2010: at least 6 million digital objects; including also museums and private initiatives.
 - => identify areas for short term action and recommend elements of an action plan (**list of prioritised feasible options**, March 2007!)
 - Contribute to the **long term agenda**
 - => produce recommendations for a **long term strategy** by June 2007

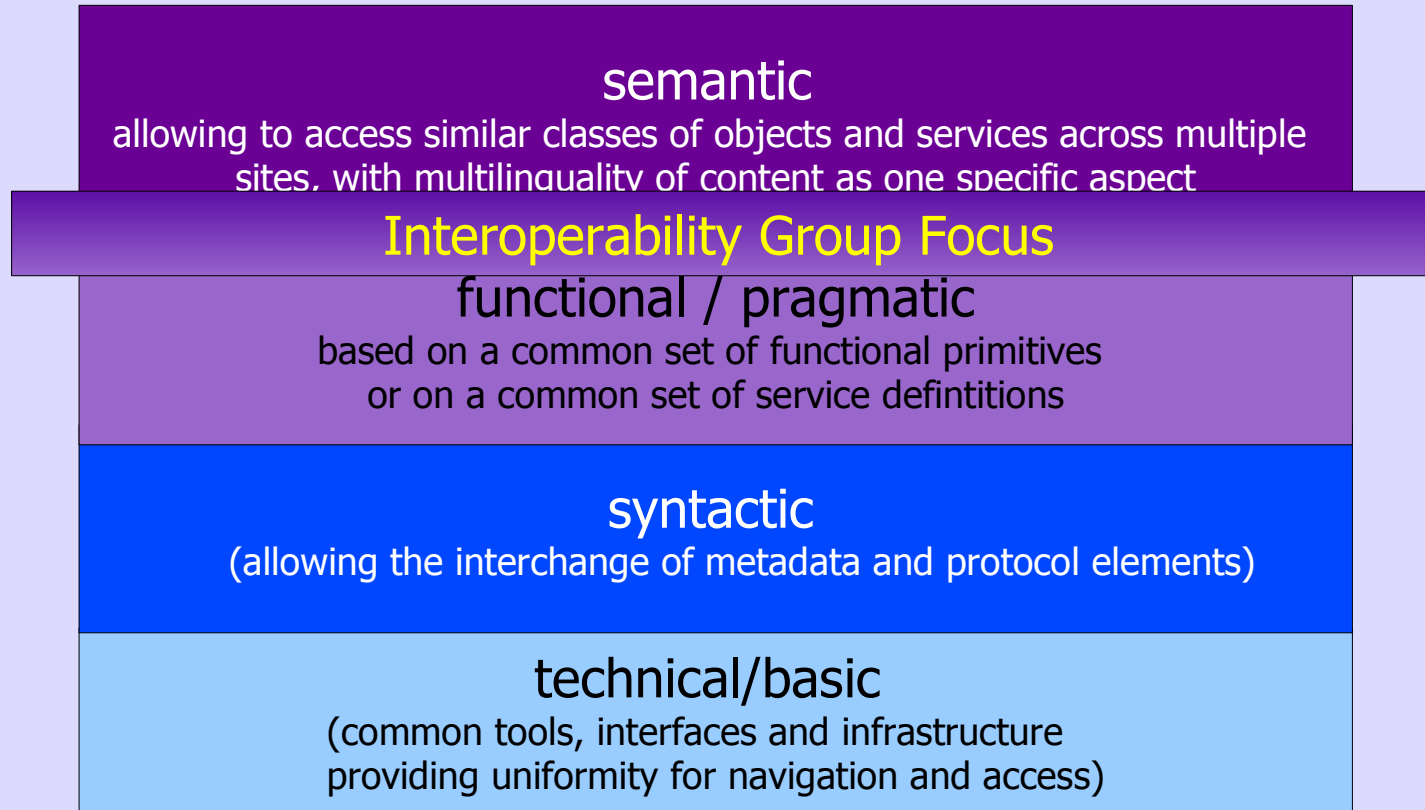
Conceptual Framework of Interoperability WG

- In order to identify more precisely the determining factors of lacking interoperability we use a **conceptual matrix** composed of 5 vectors / paradigms / perspectives / dimensions:



Interoperability Abstraction Levels

Abstract



Physical

Specific issues for Pisa workshop

- **Empirical foundations** vs. **interpretation function?**
- **Ontologies** vs. **Language**: ontologies and multilingualism. Denotation based Semantic Interoperability vs. Controlled Misunderstanding.
- As to the more pragmatic and stimulating issues: there is European money available for **doing things!**
 - EC invites people to experiment the use of existing semantic tools in current MLA environments => support from eContent+ (out of a total 93 M€)!
 - EC invites people to experiment longer term semantics based approaches to solve interoperability issues in future complex DL / MLA environments => support from IST/FP7 (out of a total 193 M€)!
- Semantic technology is important, because it creates interoperability on **object level** which in turn should receive focus rather than organisational interoperability
 - **Thank you for patience and attention!**