

IEEE competency initiative

October 2006

The OOA workshop on Semantic challenges and opportunities in the Human Resources Domain.

Oxford –October 11, 2006

As part of the [ePortfolio](#) conference

http://www.jarrar.info/OOA/OOA-HR_workshop.htm

IEEE

- International standards organization
- Electrical, Electronics, Computer
- Membership = individuals rather than institutions (e.g. IMS) or nations (e.g. ISO)
- ISO accredited, open standards publication process
 - Pragmatic. Based on or enabling realistic best practices
 - High quality. Formal ISO accredited balloting and comment resolution processes to reach consensus

LTSC

- Learning Technology Standards Committee of the IEEE
- Started 1995.
- First projects:
 - Learning System Architecture reference model
 - Learning Object Metadata
 - Several standards used in SCORM
 - Now finishing “Reusable Competency Definition”

New initiative

- Several key members of LTSC are coordinating with other organizations to work toward new standards
- Maybe in LTSC, maybe in an new committee.
- Process: Form study group(s) to study possible standards projects
- Output of a study group: Recommendation in terms of a Project Approval Request (or recommendation not to proceed, or to reframe the problem)

Candidate standard projects

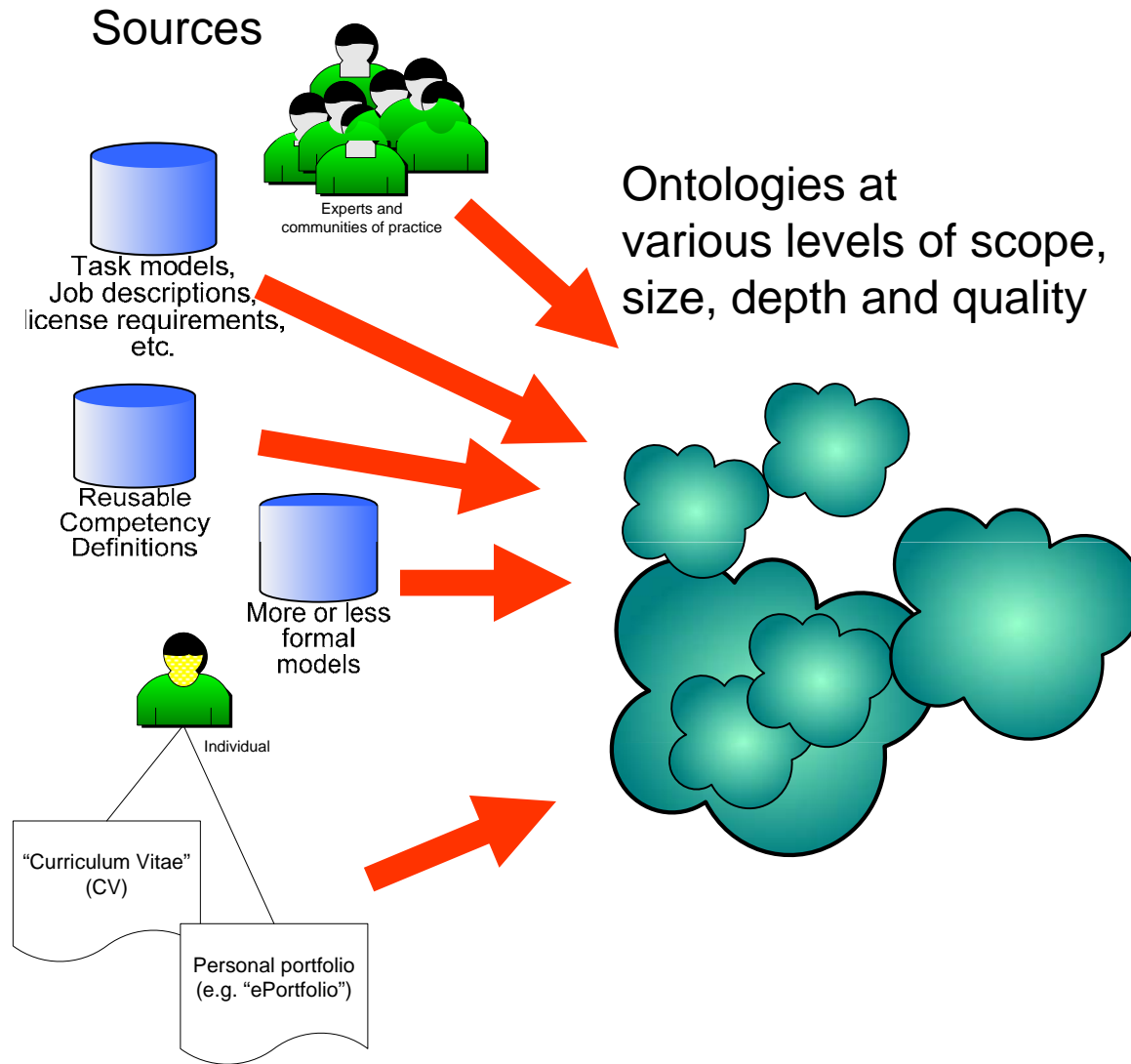
- Leveraging Reusable Competency Definitions (pub 2007)
- Ranging in scope from
 - Competency Framework (vast) to
 - Objective statements (small)
- Need to identify other worthy projects
 - Pragmatic, e.g. “maps of competency definitions”
 - Needed: Practical, down to earth semantics representations
 - Underlying framework: Semantic interoperability. Standardize or document best practices for some Semantics-based processes, services, data models

Plan

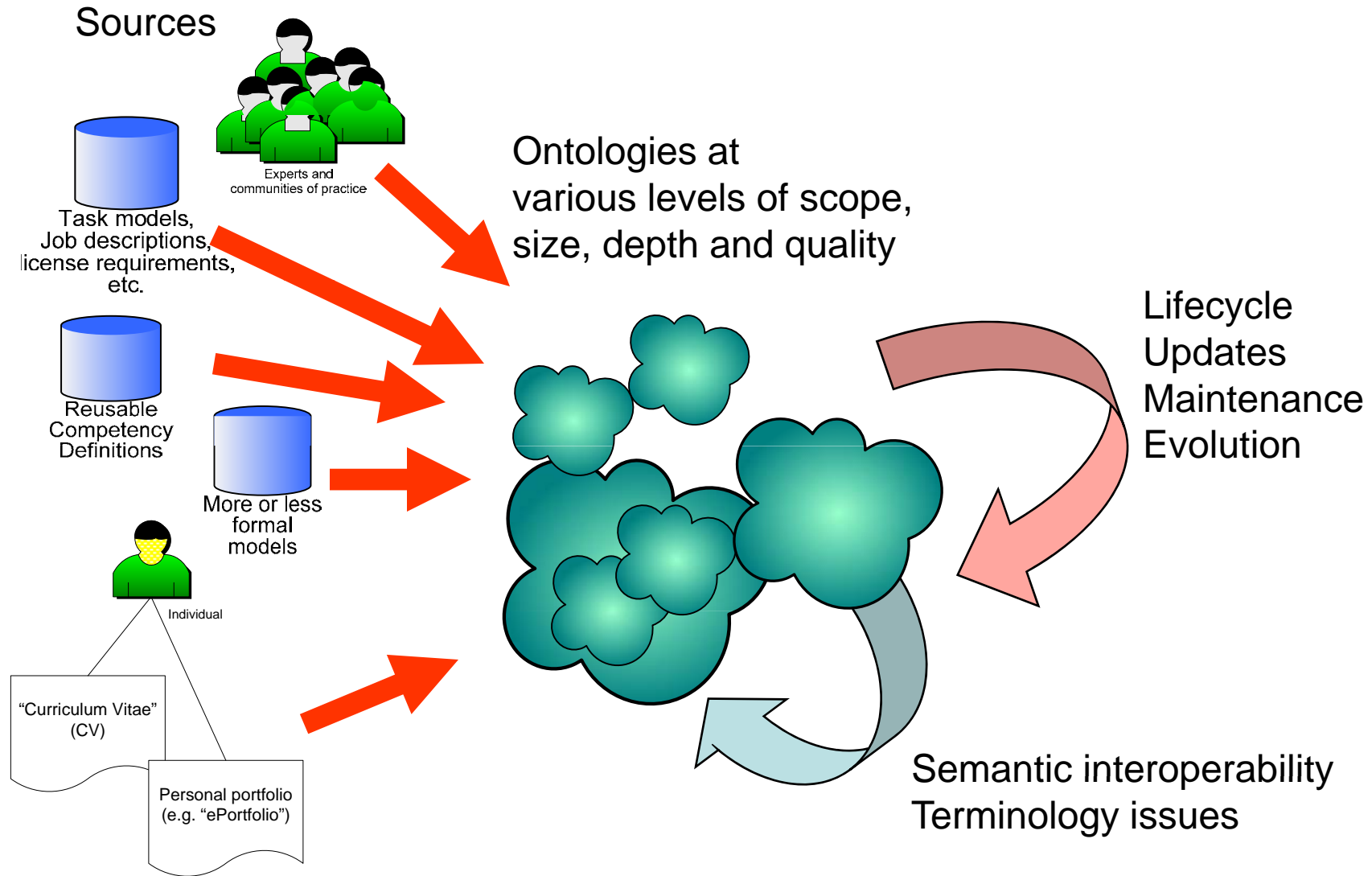
- Study groups starting 2006
 - Who? Anyone with a material interest
- Begin standards projects 2007
 - “Speclets” rather than huge standards
 - Avoid the “every desirable feature” syndrome
 - Leverage existing experience
- Contact:
 - ieeeltsc.org
 - Claude Ostyn, Chair LTSC WG20
 - Robby Robson, IEEE LTSC
 - Wayne Hodgins, Chair LTSC WG12

Leveraging Ontologies and Semantics in Competency Standards

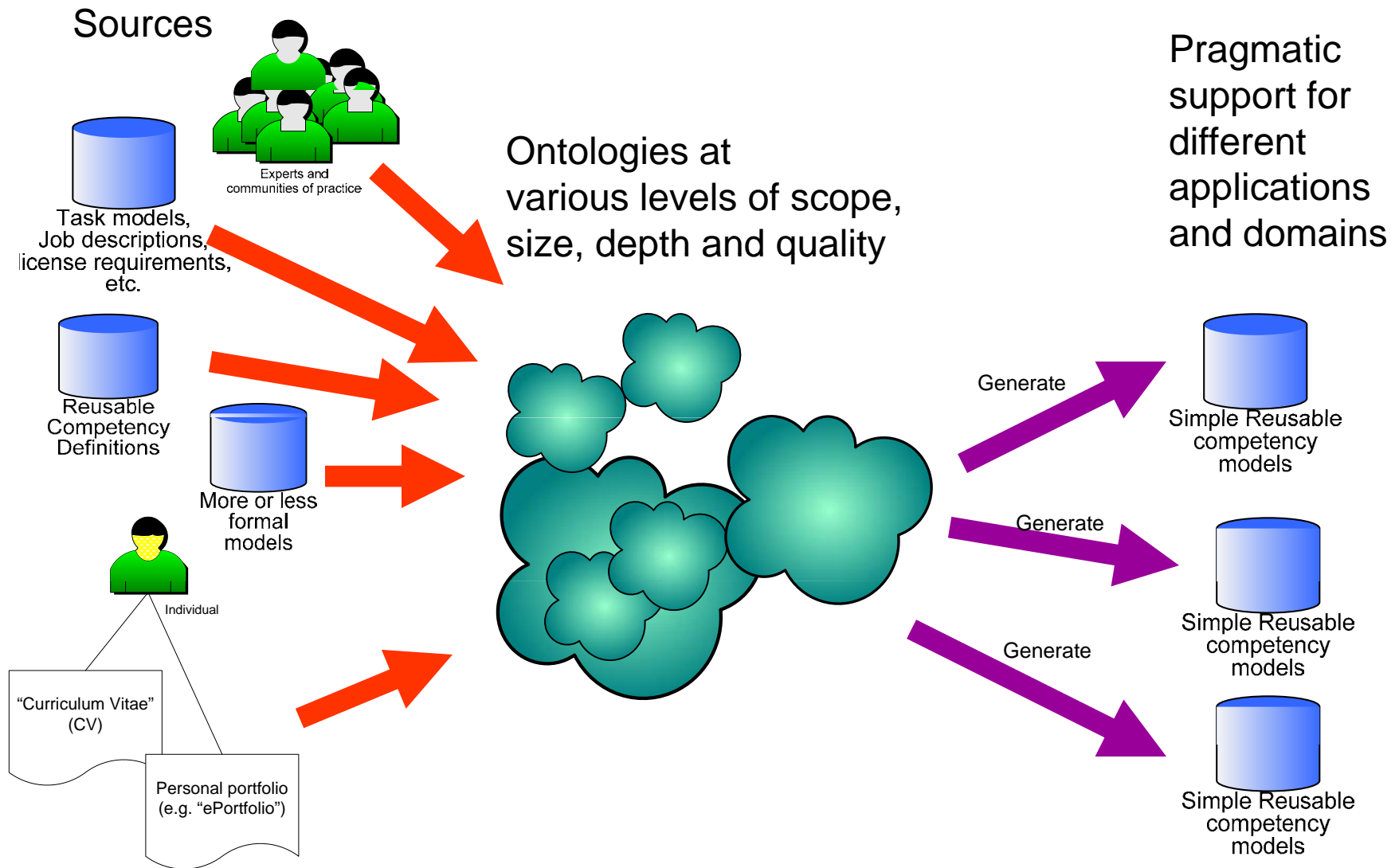
Ontologies and semantic modeling for competencies



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