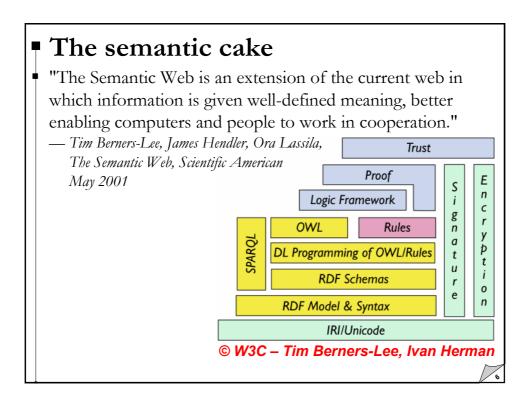
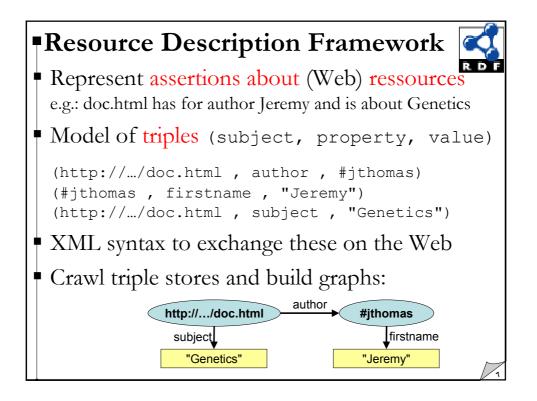
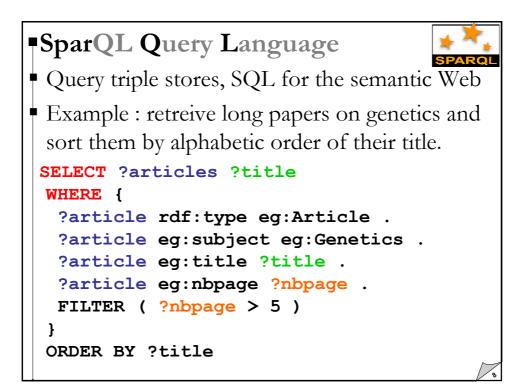
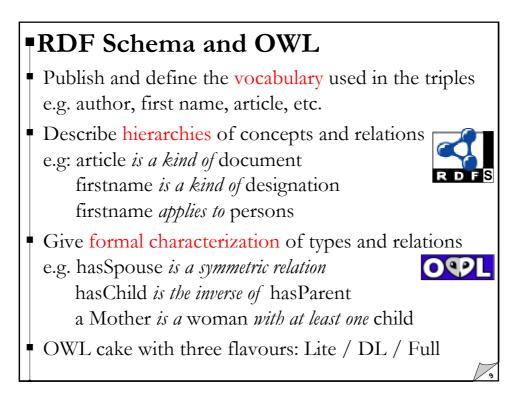


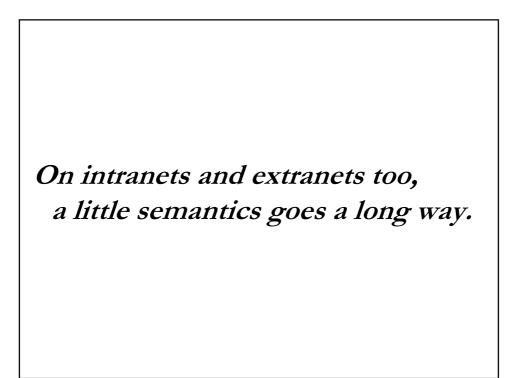
web + metadata for applications







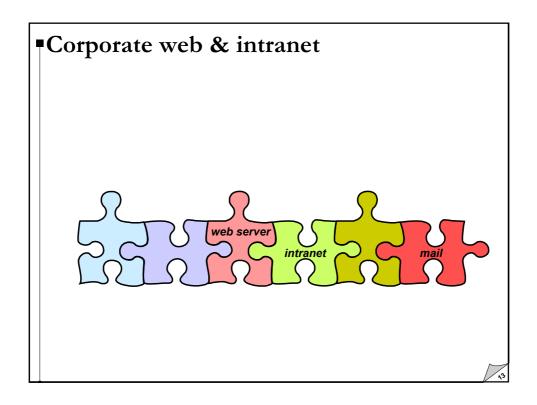


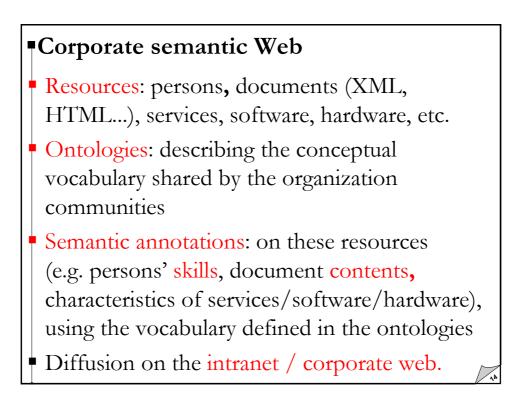


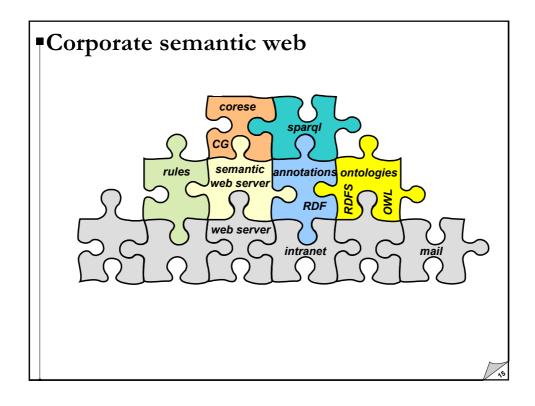
corporate semantic web

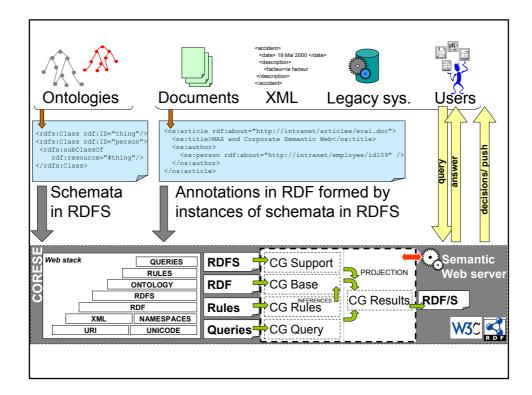
Past work...

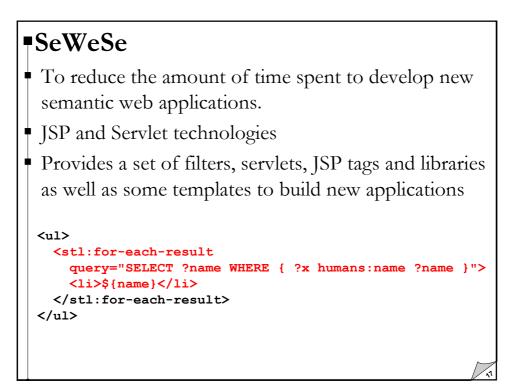
- Objectives: Offer methodological and software support (i.e. models, methods and tools) for construction, management and diffusion of corporate memories.
- Corporate memory : Explicit and persistent materialization of crucial knowledge and information of an organization to ease access, sharing and reuse by the members of the organization in individual and collective tasks.
- Corporate memories as corporate semantic webs

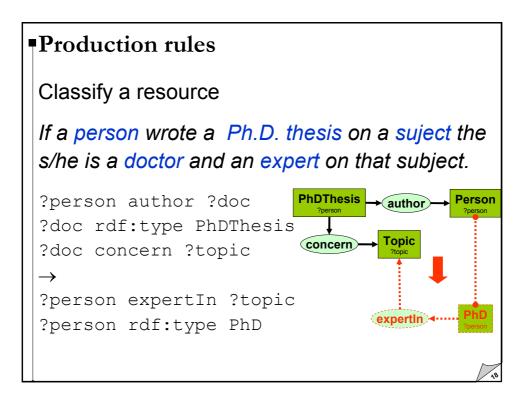


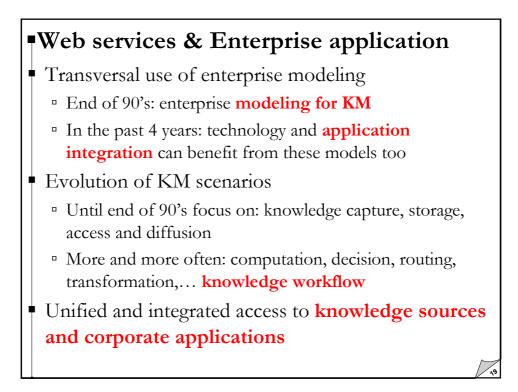


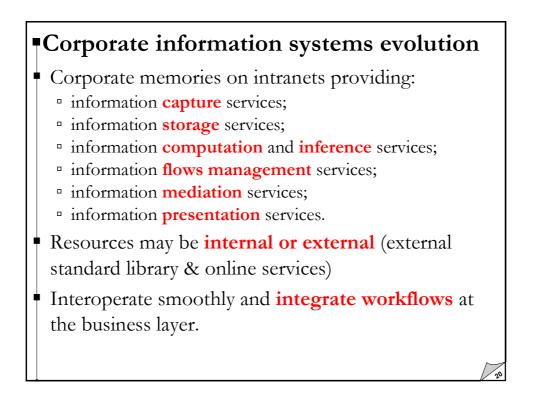






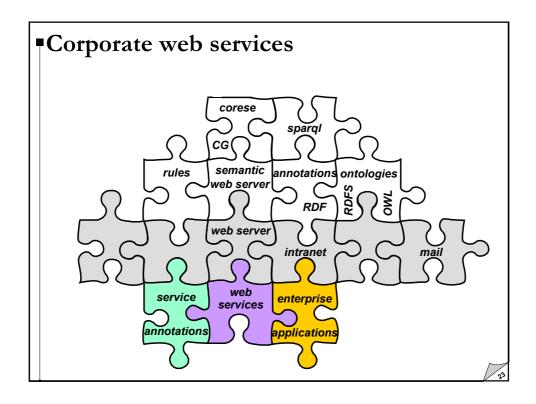


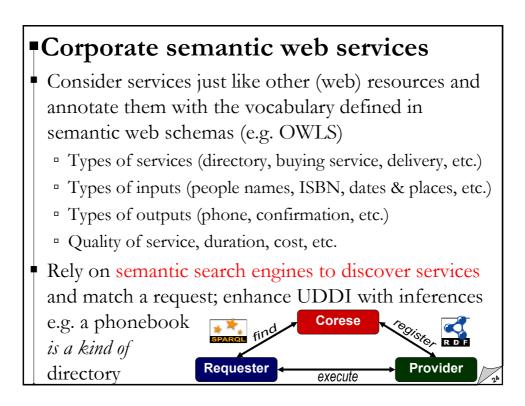


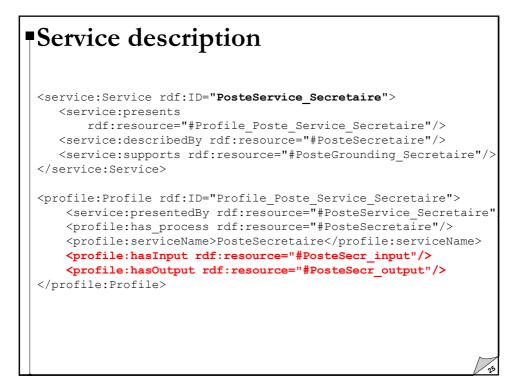




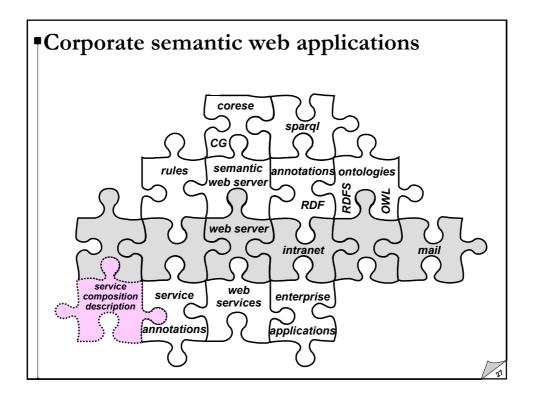
Integrating corporate services

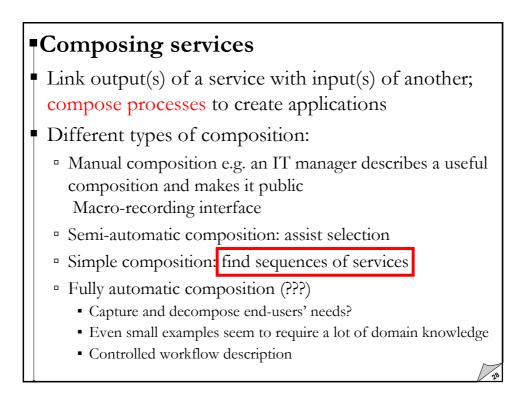


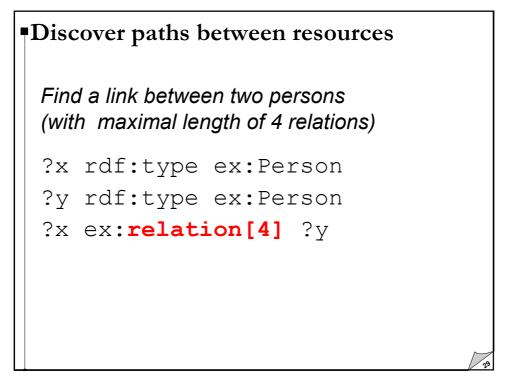


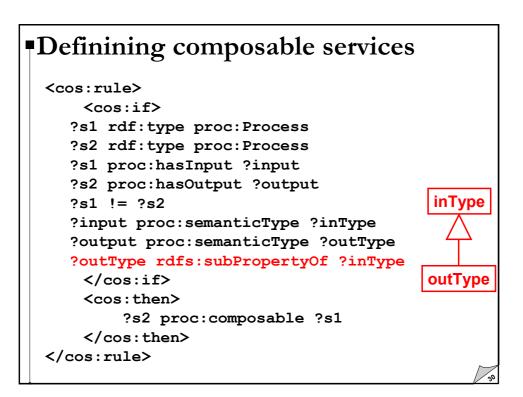


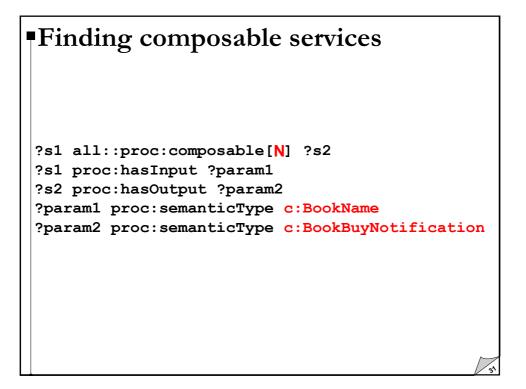












Automatic sequences						
		A.				RINRIA
Search for services More See select list * display table where 7s1 procistep 7s2 7s2 procihasInput 7x 7s2 procisemanticType c:EmployeeName 7y procisemanticType c:AssistantName 0.02 s for 1 projections						
s1	s2	×	Y	v2_1	v2_2	v2_3
			PosteNom_output			PosteNom_input
1 (www) Invoque	(<u>www</u>) Invoque	(www) Invoque	(www) Invoque	(www) Invoque	(www) Invoque	(www) Invoque
Corese RDF engine version 2.1.1.11 INRIA 2005-05-01						System status: OK
name Phone of Secretary phone Phone → Name name employee secretary						
cinploye				Ш		j

A memory with no intelligence is doomed to decay

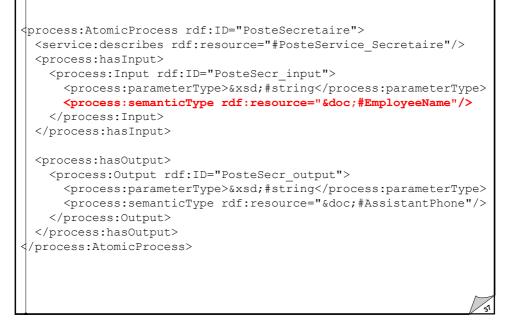
An intelligence with no memory is doomed to go around and around

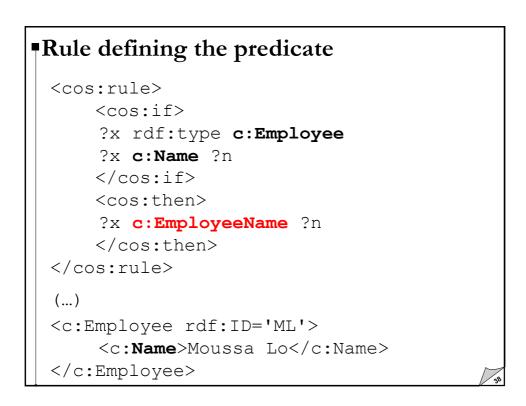
Composing services and memory

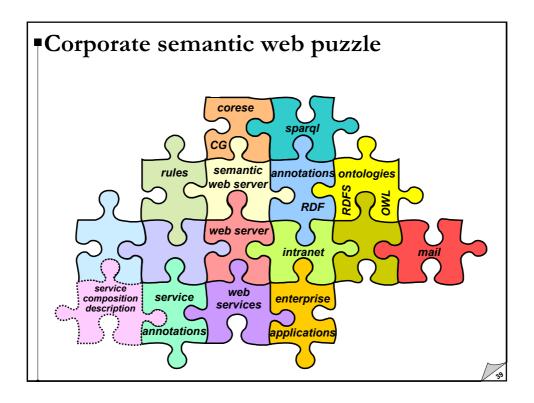
Services for memory & memory for services

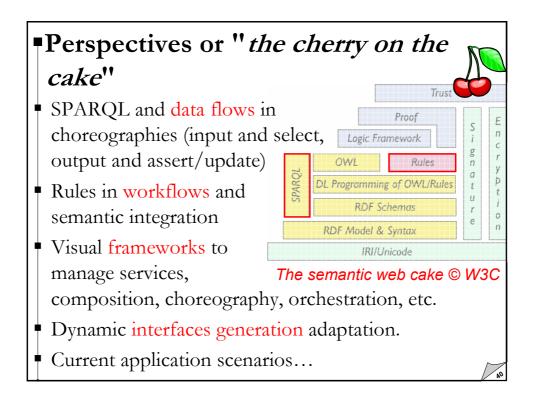
- Intelligence: composing services and knowledge
- Mapping input types to queries
 - associate to service inputs a predicate to identify candidate values
 - formally define these predicates using rules
 - invocation form (pre)populated potential inputs.
 - Corese as a semantic web service itself
 - to use the result of a query over the corporate memory as a service input;
 - to use a service output to add knowledge to the memory

Input description & extension





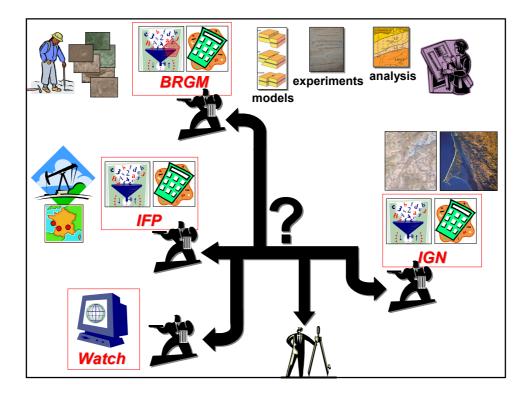




Scenario #1: the eWok hubs

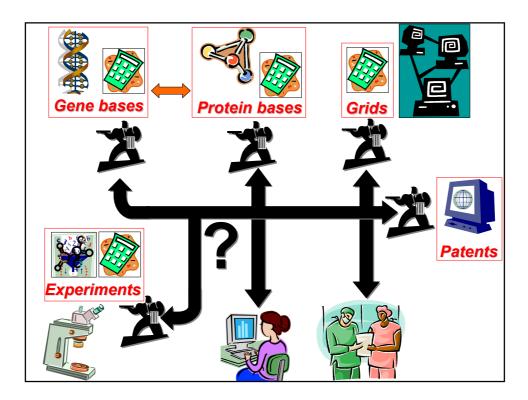
- Members: IFP, INRIA, ENSMA, EADS, BRGM, ENSMP, CRCFAO
- Cooperation between different organisations

 (companies, institutes, etc.) participating in an
 engineering workflow: projects to capture et and store
 CO₂ reusing oil drillings.
 - Integrate information bases and domain/expert tools from different partners
 - Requirements: "a set of communicating portals providing web applications (for humans), web services (for machines) and information resources (for humans and machines)."



Scenario #2: SeaLife world-wide lab

- Members: TU Dresden, Hariot-Watt University, City University, University of Manchester, Scionics, INRIA
- Computational and data infrastructure to facilitate researches in Life sciences
 - Cooperation of geographically distributed organisations
 - Seamless integration of their computational and data resources
- Requirements: "Browsers that can automatically identify entities such as protein and gene names, molecular processes, diseases, types of tissue, etc. and the relationships between them, in any Web document, collect these entities and then apply further analyses to them using applicable Web and Grid services."



Scenario #3: SevenPro and eDesign

- Members: Semantic Systems, INRIA, Fraunhofer, Czech Technical University, Living Solids, Italdesign-Giuigiaro, Fundiciones del Estanda
- Allow the integration of tools used in industrial design
 - Mining of engineering knowledge in multimedia repositories
 - 3D interaction with that knowledge
- Requirements: "Engineering environments integrating CAD tools, document repositories, ERP, virtual reality rendering, corporate Databases, etc. to improve the process of product engineering and development in manufacturing and engineering companies."

