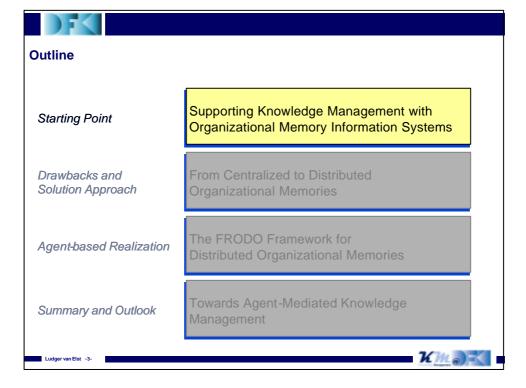
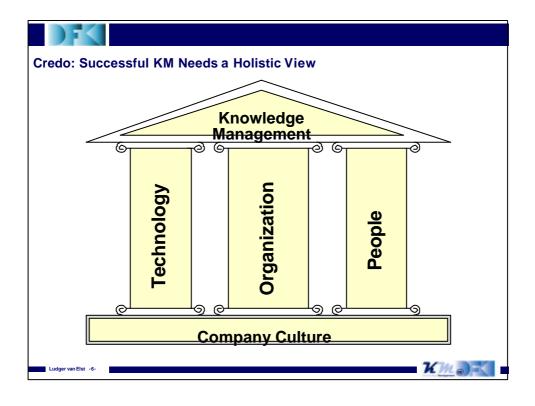


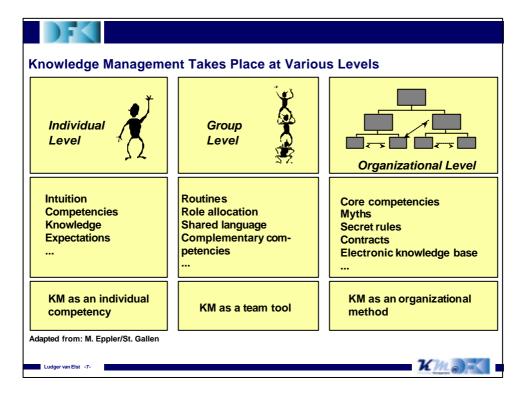
Outline					
Starting Point	Supporting Knowledge Management with Organizational Memory Information Systems				
Drawbacks and Solution Approach	From Centralized to Distributed Organizational Memories				
Agent-based Realization	The FRODO Framework for Distributed Organizational Memories				
Summary and Outlook	Towards Agent-Mediated Knowledge Management				
Ludger van Elst -2-					

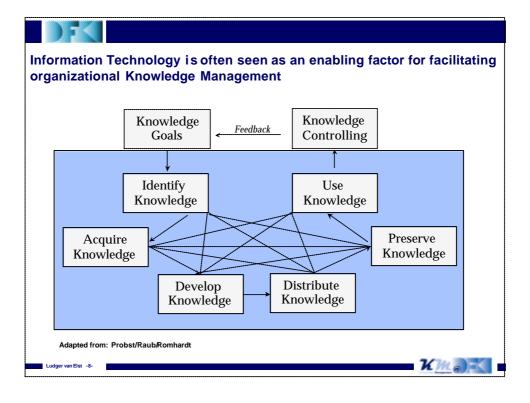


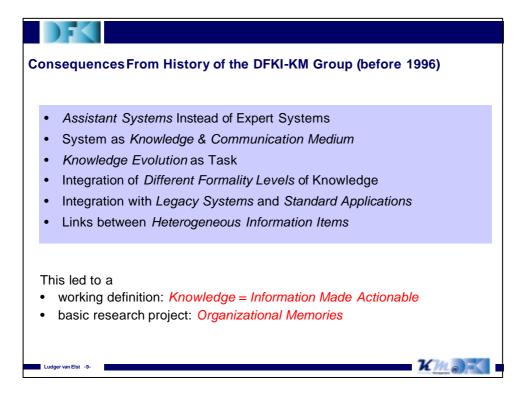


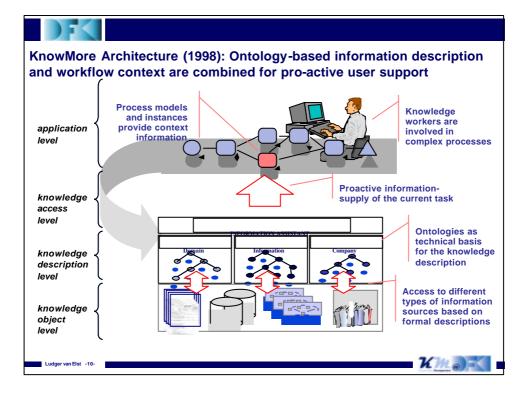


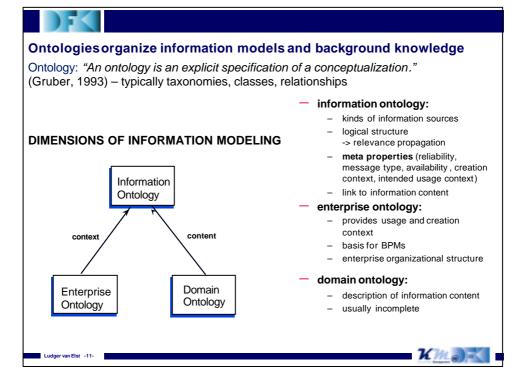


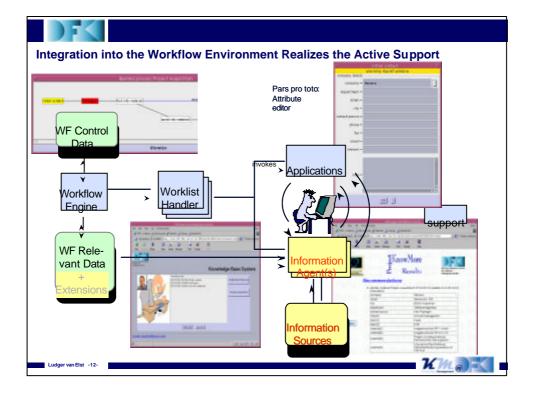


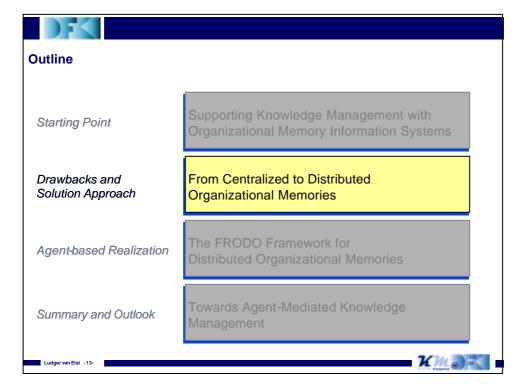


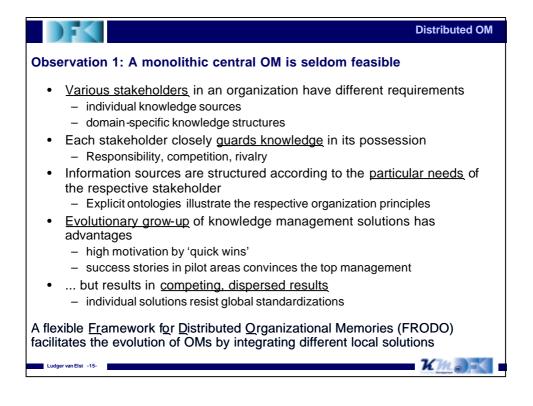


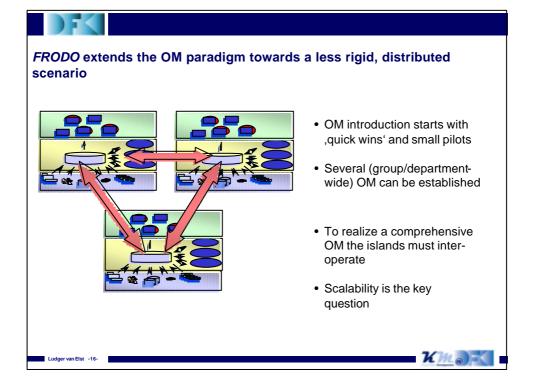


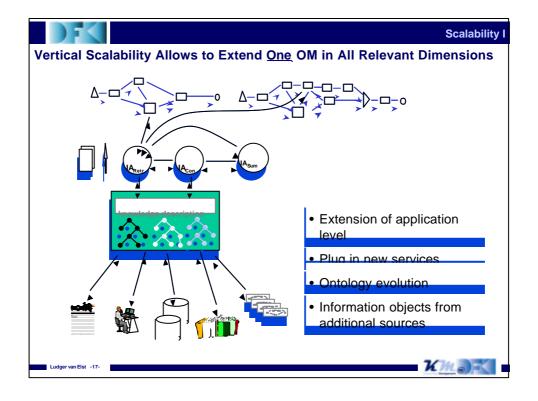


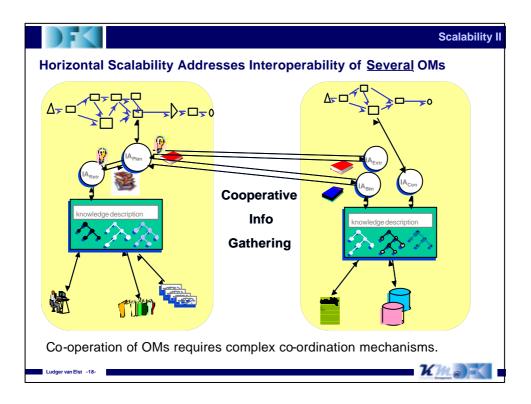


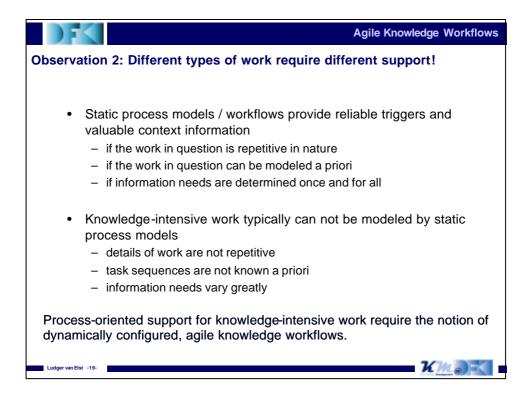


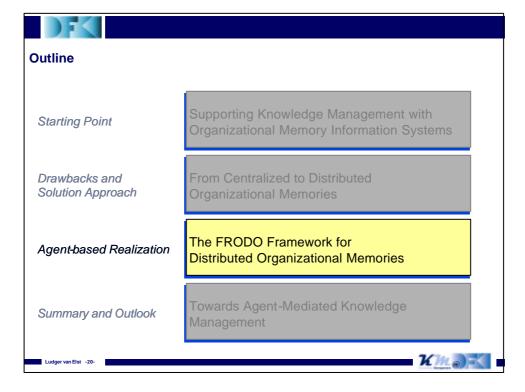


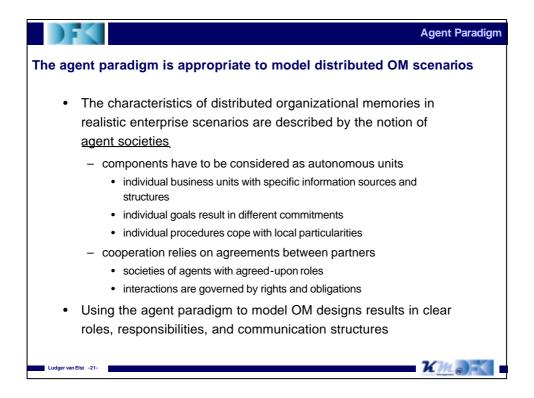


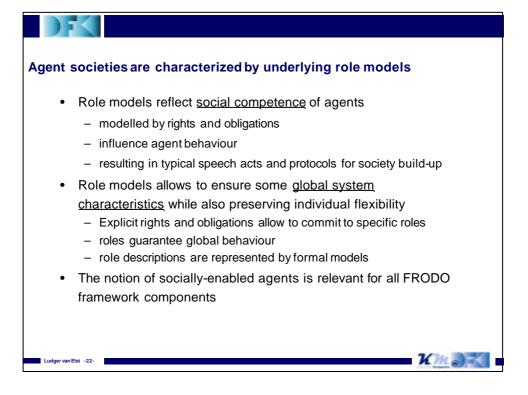


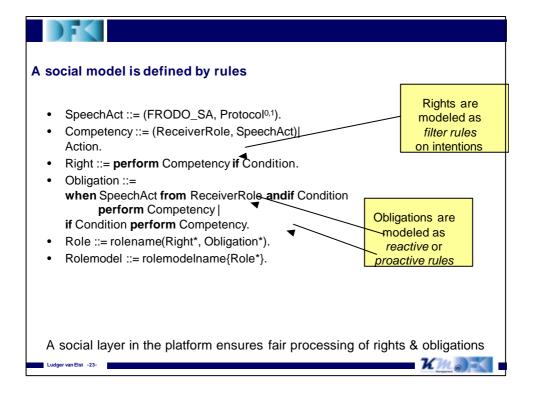


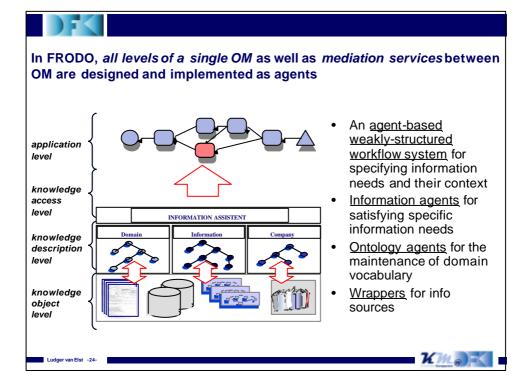


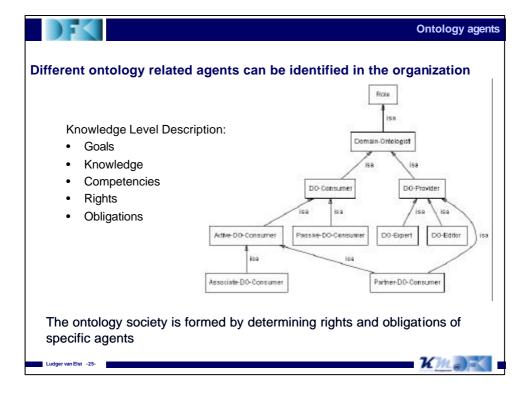


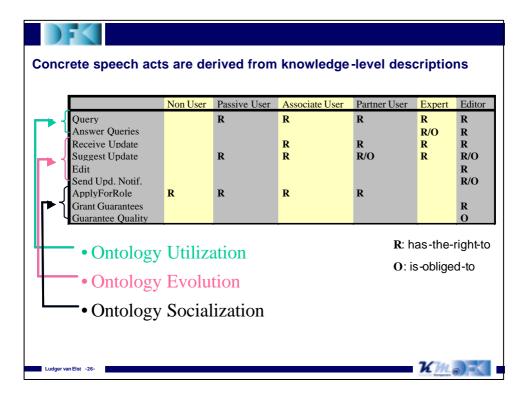


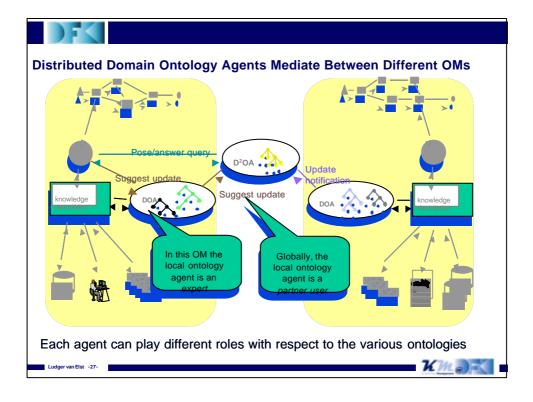


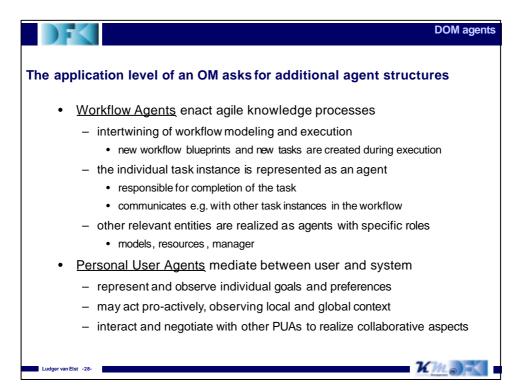


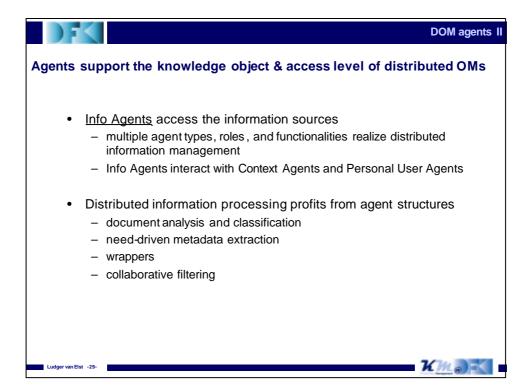


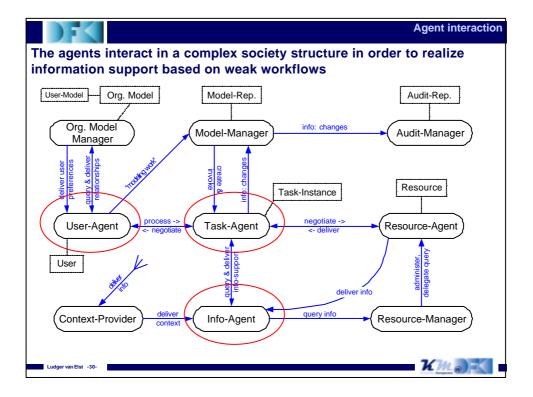


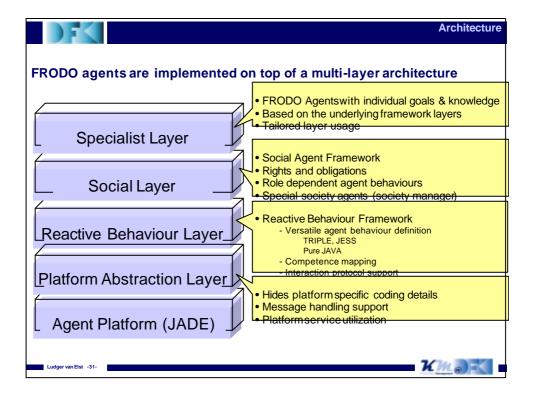






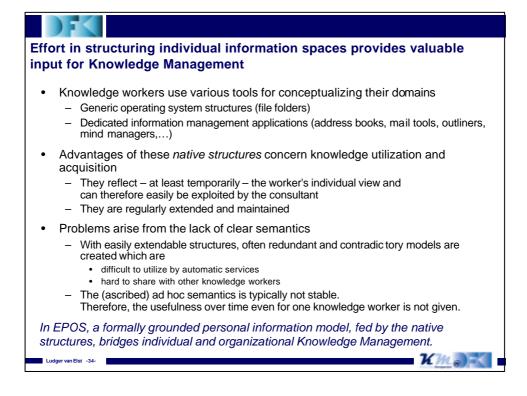


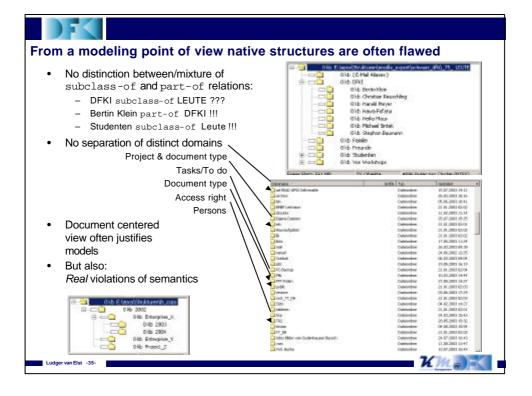


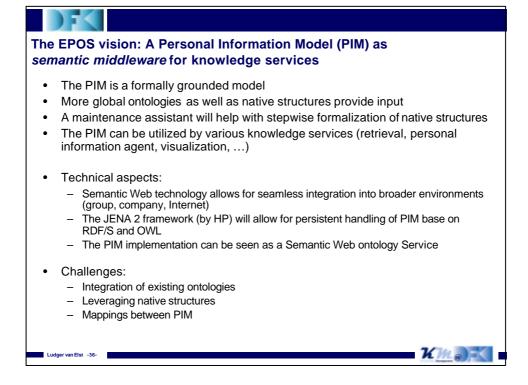


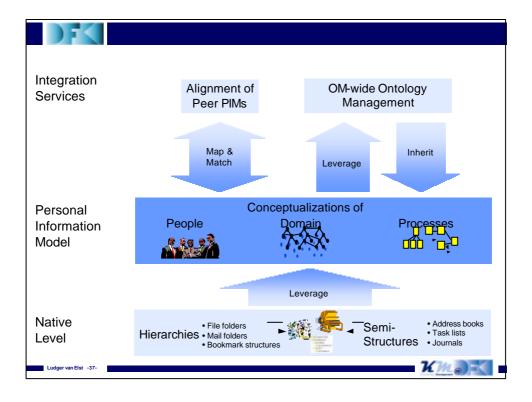
Looking back: Knowledge Management Takes Place at Various Levels						
Individual Level	Group Level	Organizational Level				
?	Distributed Organizational Memories with Flexible Ontology Societies and Agile Knowledge Workflows	Monolithic Organizational Memory with Global Ontologies and (Standard) Workflows				
EPOS (since 2003)	FRODO (2000-2002)	KnowMore (1997-1999)				
Ludger van Elst -32-						

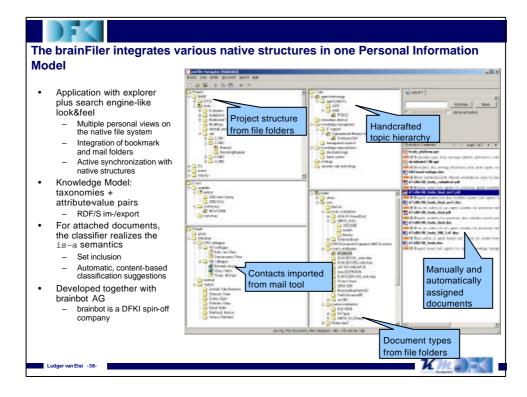


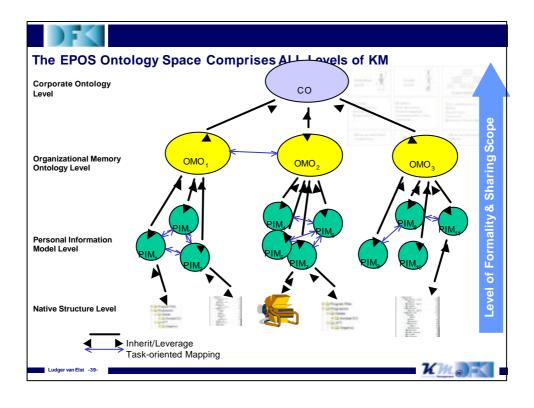


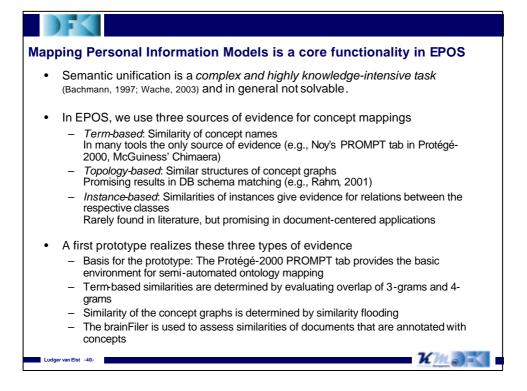


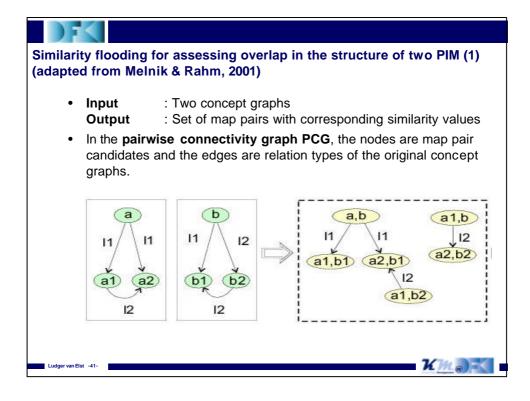


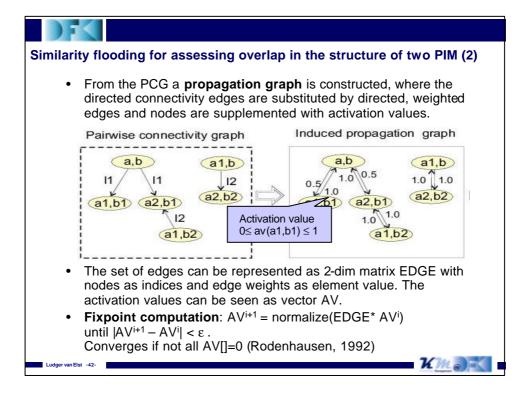


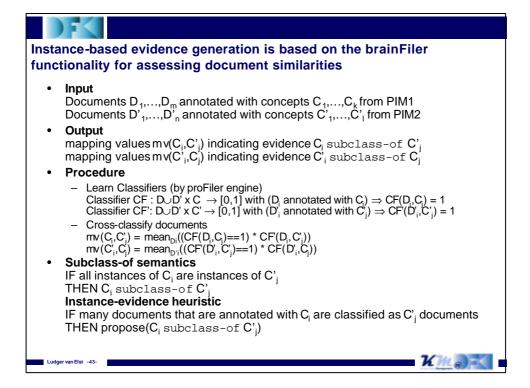


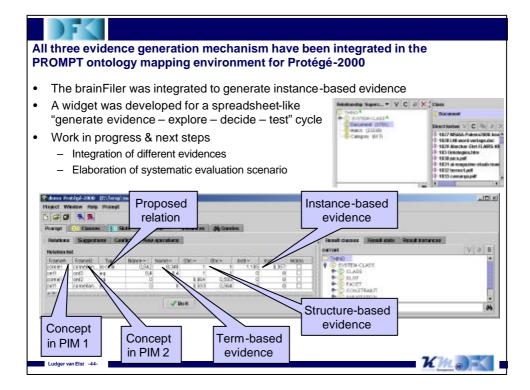












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Ludger van Elst -45-	Km.)K

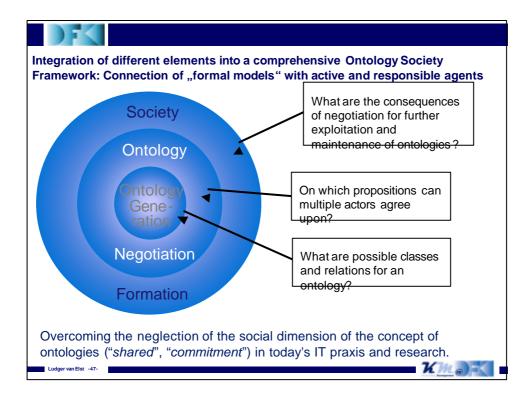


Summary

Ludger van Elst -46-

- Organizational Memories as concept for supporting organizational KM
- Characterization of KM landscapes show drawbacks of centralized approaches
 - Distributed nature of knowledge
 - Distribution of (legacy) information systems
 - Flexibility of knowledge-intensive processes
- The FRODO framework for distributed OMs applies agent technology on all levels:
 - Socially-enabled agents reflect the social aspects of knowledge
 - · Rights and obligations
 - Sets of rights and obligations form role models
 - Agents can commit to roles. This leads to societies.
 - The platform allows easy creation of KM specialists
 - flexible creation of and cooperation between agents
 - · individual agent behaviour enhances the systems's adaptiveness
 - · configuration by specification of formal models
- EPOS aims at a better coupling with the knowledge worker's needs and exploits the individual knowledge work for a better maintenance of organizational knowledge structures.

• Km)=



The vision of Agent-mediated Knowledge Management addresses all development levels of KM support systems							
	Organizational Analysis	Relevant actors/human agents, groups, tasks, competencies, etc. and their relations	rropos CommonKADS gical Support				
	System Architecture	Artificial agents, agencies, etc. and their relations, e.g., AUML	Gaia Tropos CommonKAD: Methodological Support				
	System Implementation	AgentClasses, Behaviors, e.g., JADE, JACK,					
Ludger v	an Eist -48-		K <u>m</u> @)				

