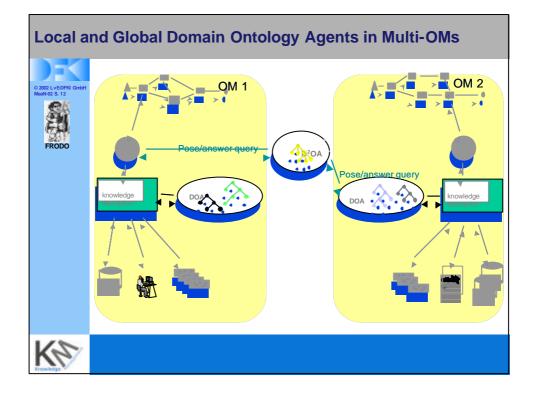
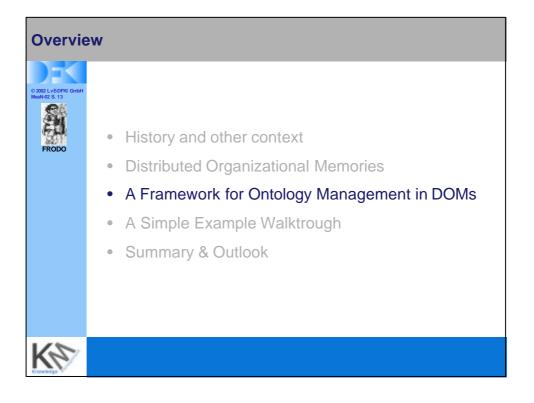
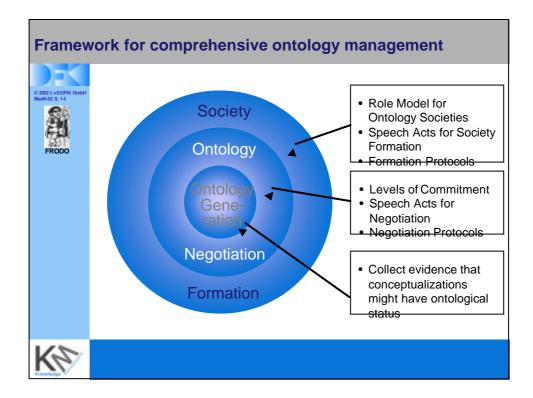
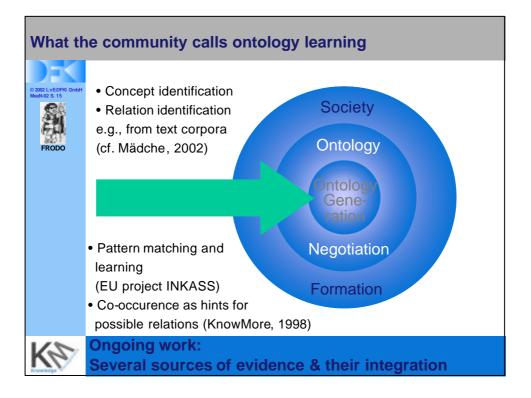


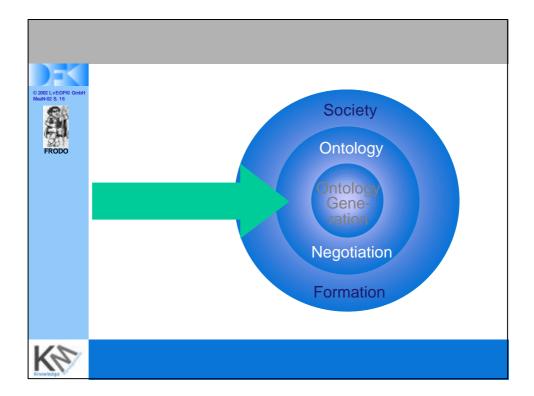
Theoretical basis of a comprehensive approach								
© 2002 LVEDFKI GmbH MeaN-02 S. 11	Three dimensions	have to be taken in	to account					
A	Dimension	Expansion	Transition Tools					
FRODO	Formality	<i>From</i> : informal <i>To</i> : formal	"Standard" KA					
	Sharing Scope	<i>From</i> : individual <i>To</i> : group(s)	Negotiation					
	Stability	<i>From</i> : momentary <i>To</i> : permanent	(Monitoring)					
	Dependencies between dimensions demand integrated view (van Elst & Abecker, 2001 & 2002)							
KØ								



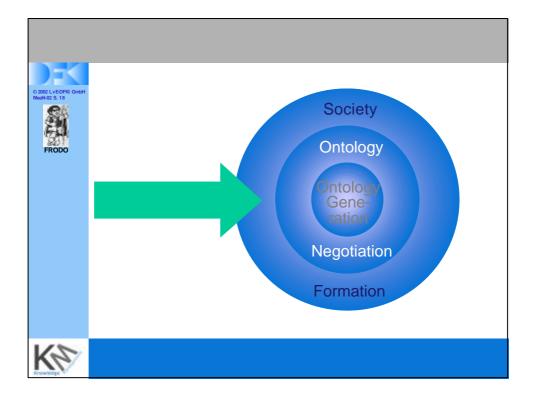


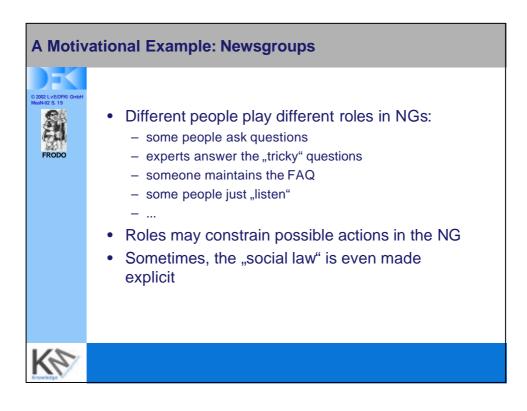


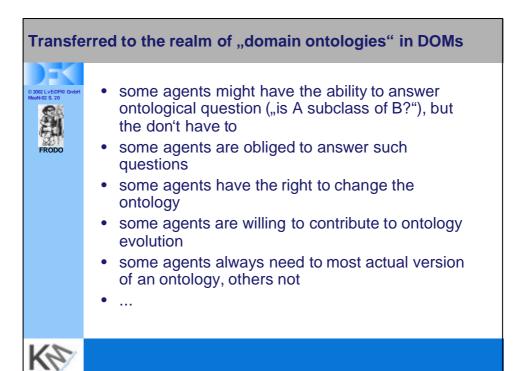


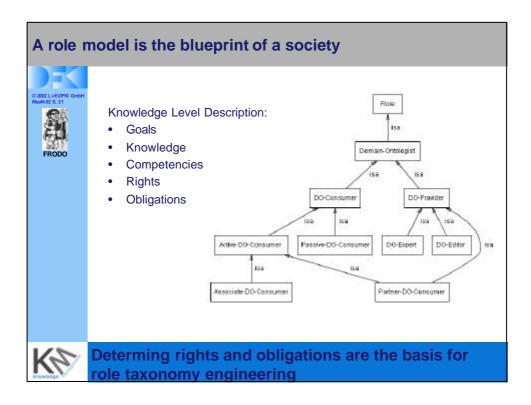


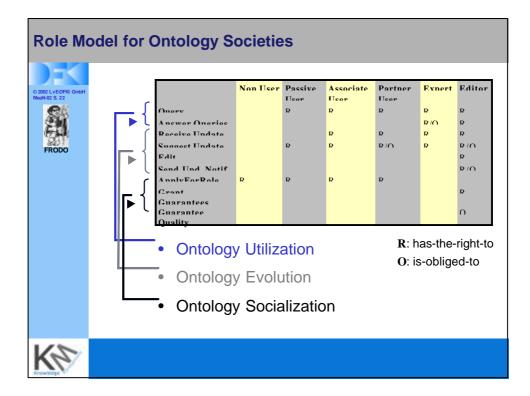


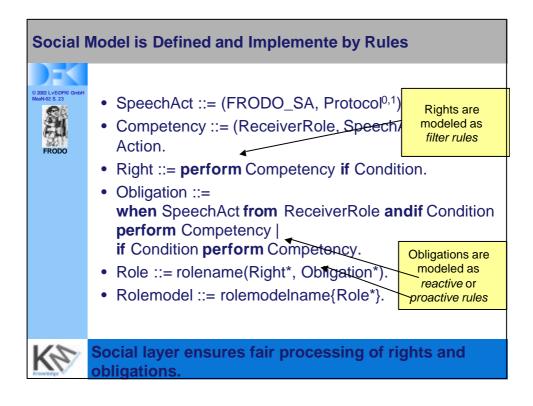


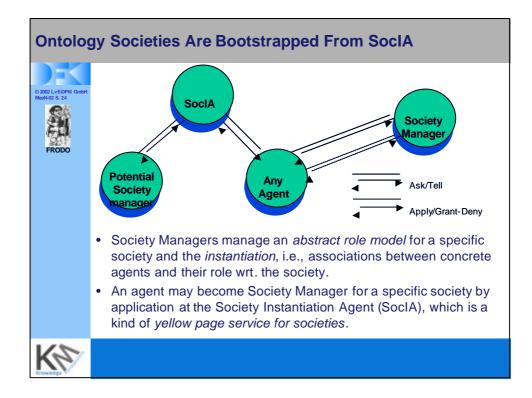




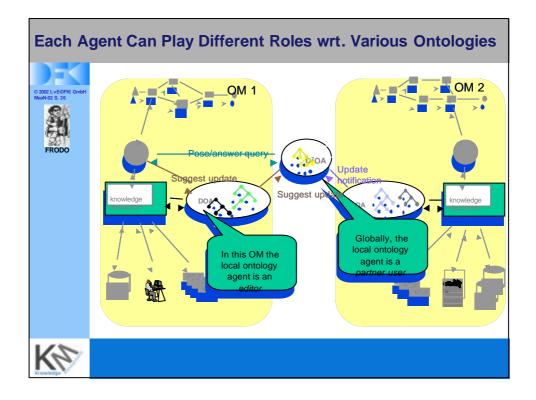


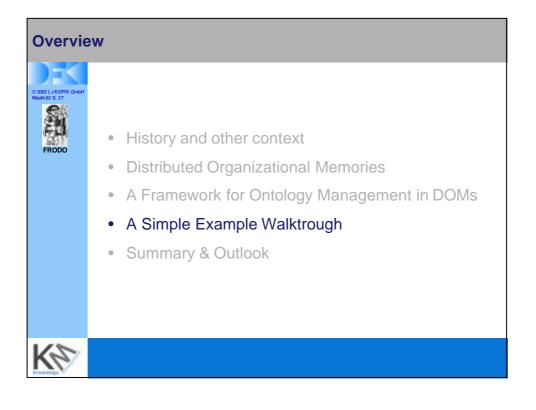


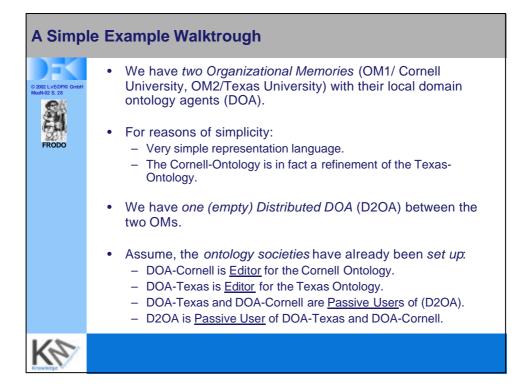


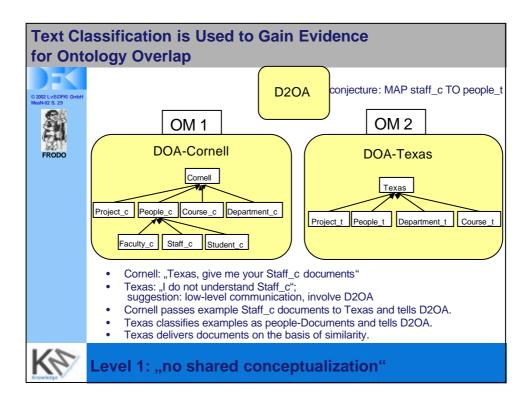


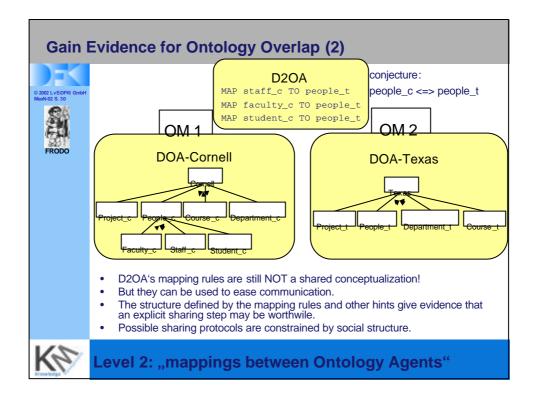
Society	Format	ion in FRODO			
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FRODO	What?	Society Templates	Society Model	Role Model	
	When?	Design @ Engineering Time	(Change @ Run Time)	Change @ Run Time	
	Who?	Society Instantiation Agent (SocIA)	Society Manager	Society Member	
	How?	ApplyFo		ApplyForRole Accept	
K					

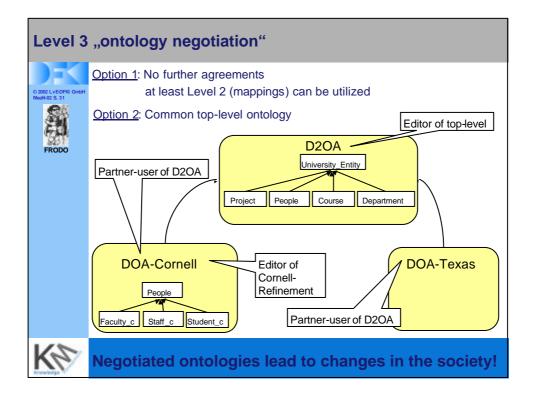


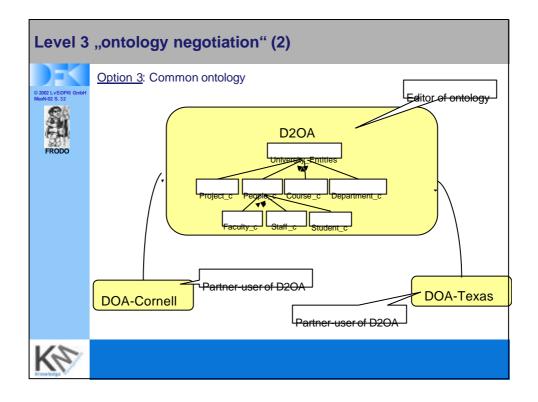


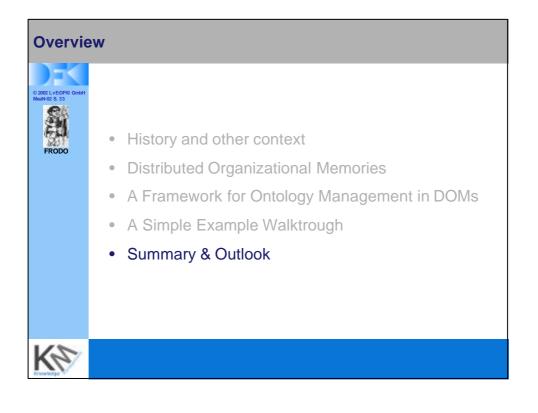


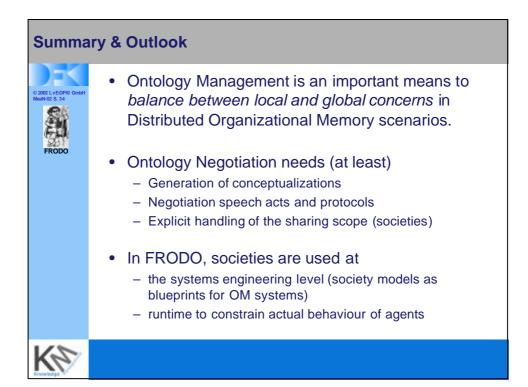


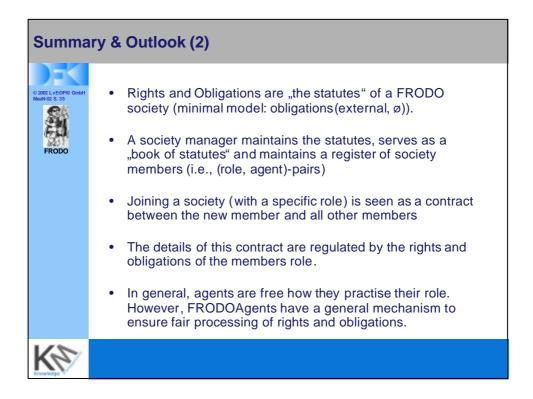


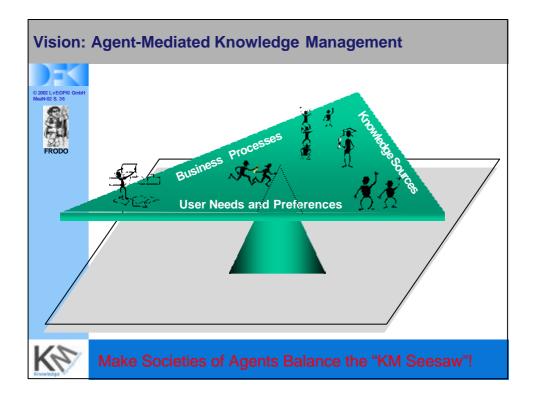


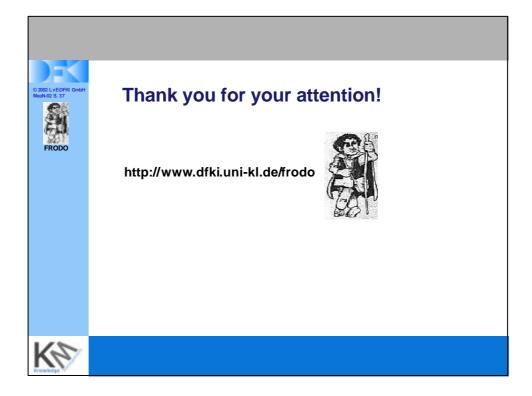












Mike	Uschold's talk at	the Semant	ic Web Work	shop (WW	W 2002, Ha
9FKI GmbH 8	Questions	Who generates the mappings?	When define Agent to Agent mapping?	Topology	Degree of Agreement
0	Global ontology	no mappings	no mappings	Point-to- point	Agree on Everything
	Manual mapping	Agent designers	Before agents interact.	Point-to- point	No a priori agreement
	Interlingua ontologies	Agent designers	Auto-generated at agent interaction time.	Mediated	Agree on Interlingua ontologies
	Community ontologies	Ontology designers	Auto-generated at agent interaction time.	Mediated	Agree on alignment mappings
	Ontology Negotiation	Agents themselves	Auto-generated at agent interaction time.	Point-to- point	No a priori agreement
	Ta	ible 1: Semant	e integration ar	chitectures.	
	FRODO	Agents	At interaction	Mediated & Society	No a priori