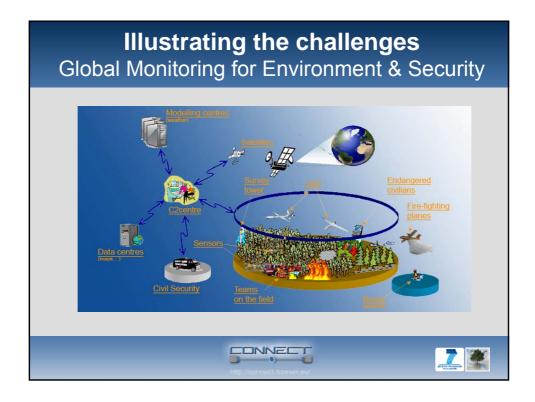
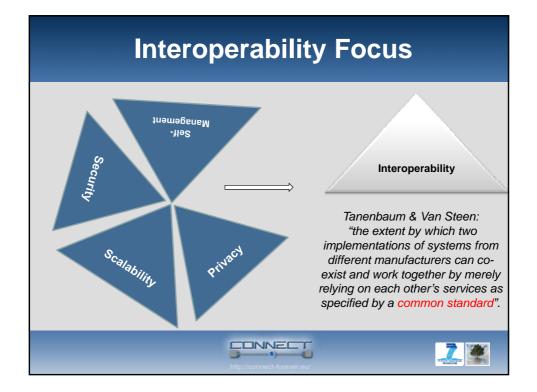
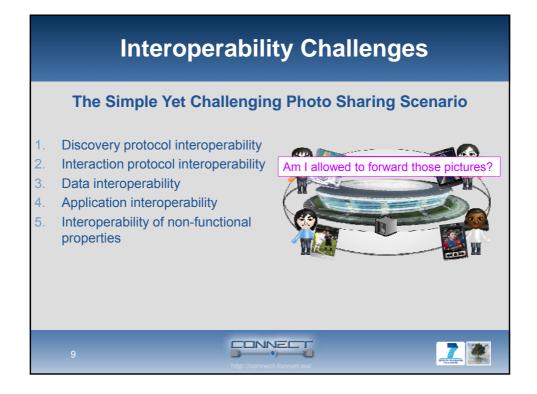
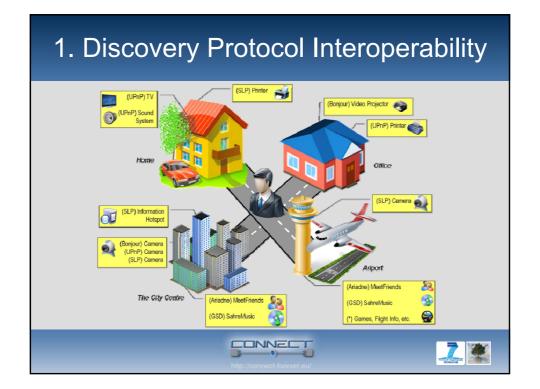


but is it good?
 Early distributed systems Limited in scale and heterogeneity Issues such as openness, and support for QoS not a big issue
 Internet-scale distributed systems Large scale and significant levels of heterogeneity (platforms, languages and middleware) Significant advances in supporting openness and QoS
 The complex distributed systems of tomorrow Significant increases in scale and also heterogeneity in <i>all</i> its dimensions (cf. <i>systems of systems</i>); more dynamic; <i>major research questions</i> concerning openness and QoS

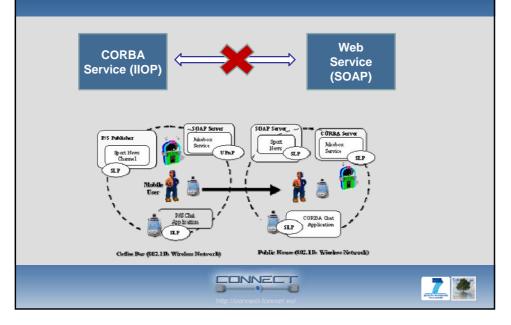




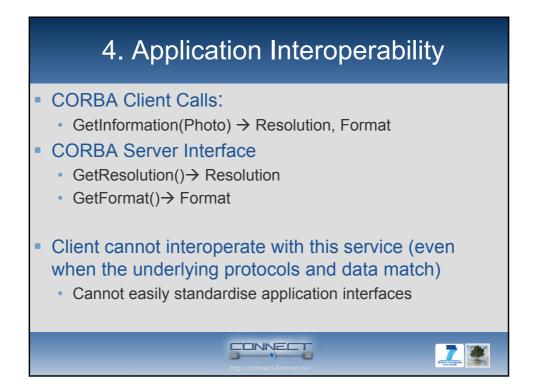


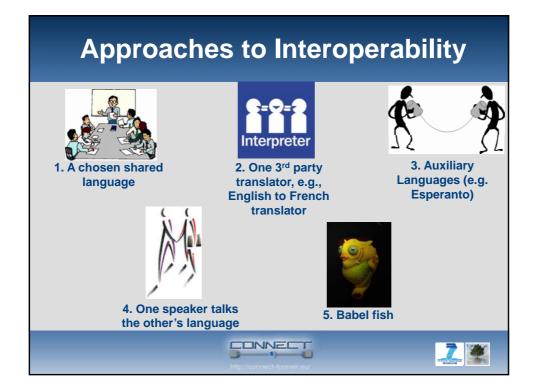


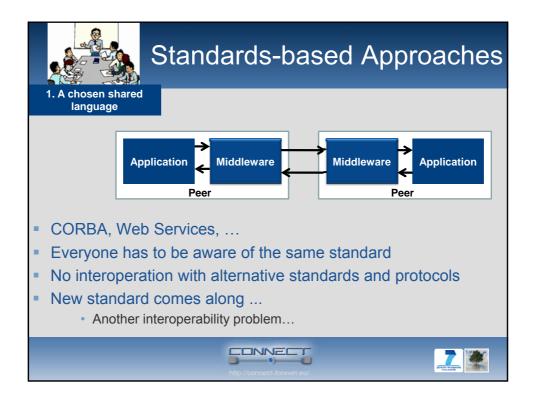
2. Middleware Protocol Interoperability

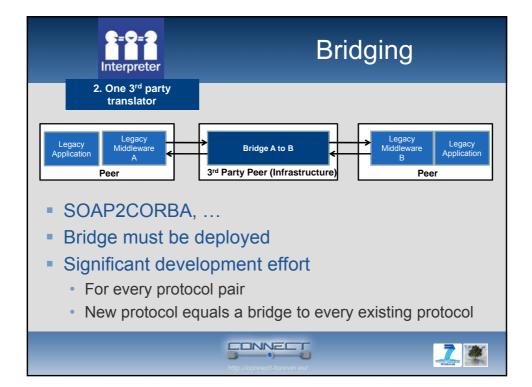


3. Data In	teroperability
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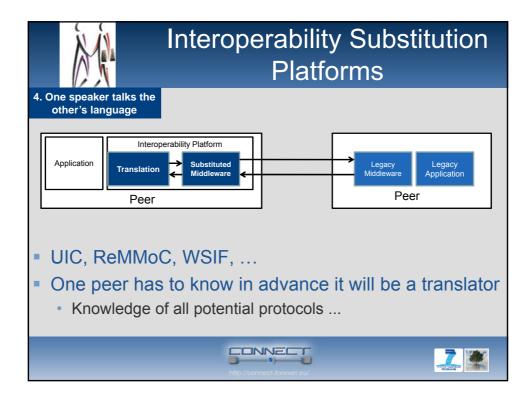


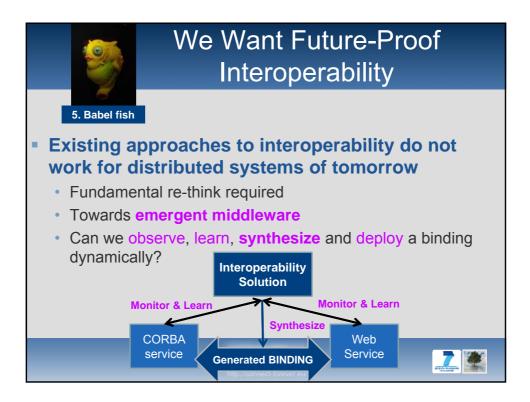


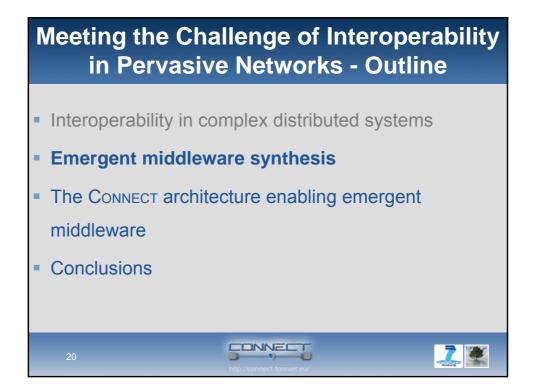


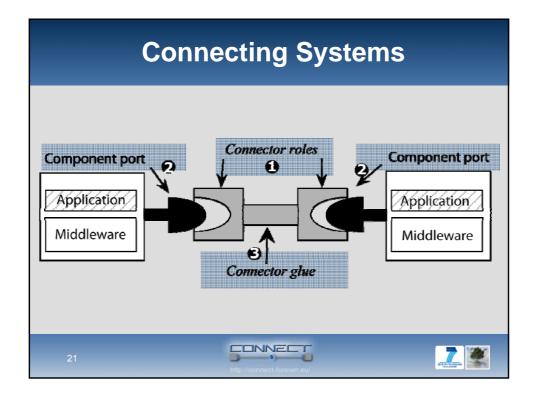


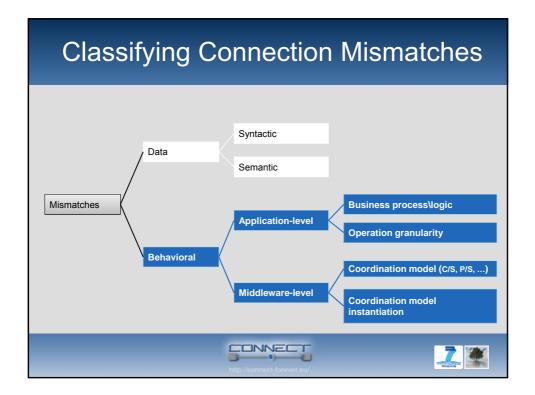
Transparent Interoperability			
3. Auxiliary Language			
Legacy Application Legacy Middleware Translation to Intermediary Translation from Intermediary Legacy Middleware Legacy Application Peer 3 rd Party Peer (Infrastructure) Peer			
 Enterprise Service Buses (ESB), INDISS, … 			
 Mapping to a common protocol Translation at either end – to/from the legacy or local protocol 			
Greatest common divisor problem			
 Only have the subset of behaviour that matches between a pair 			
http://connect-forever.cu/			

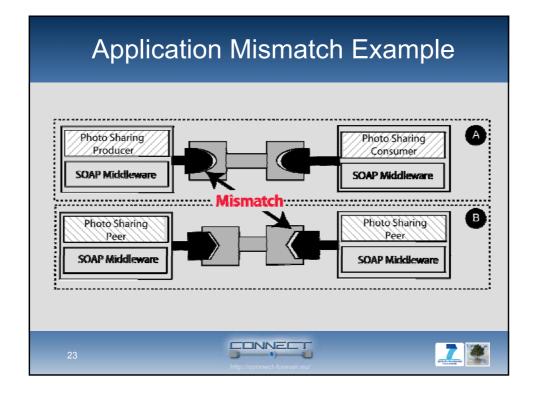


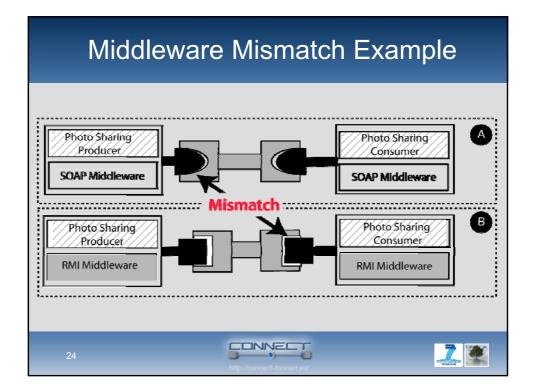


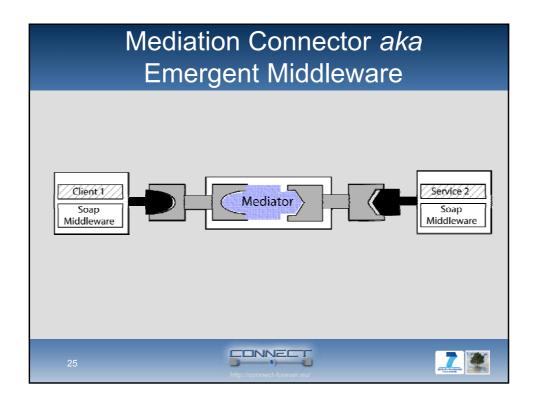


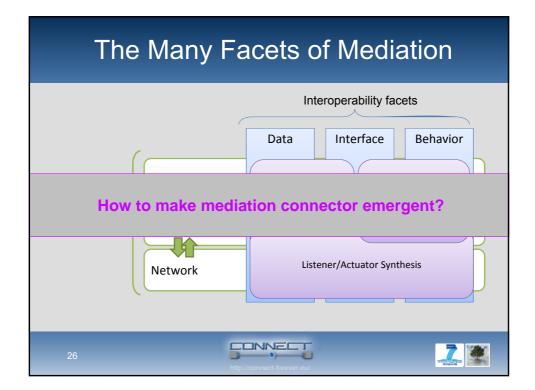


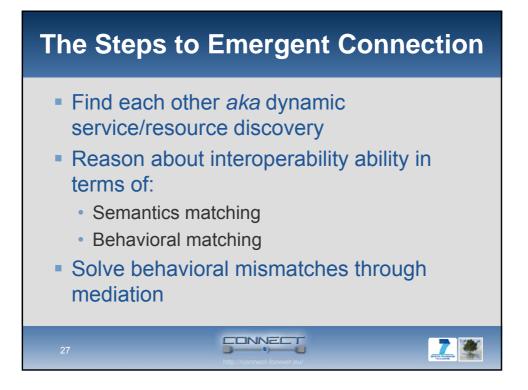


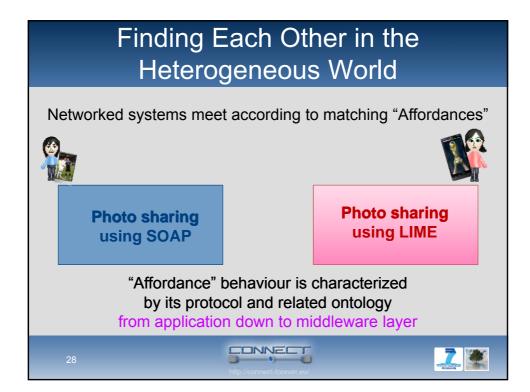


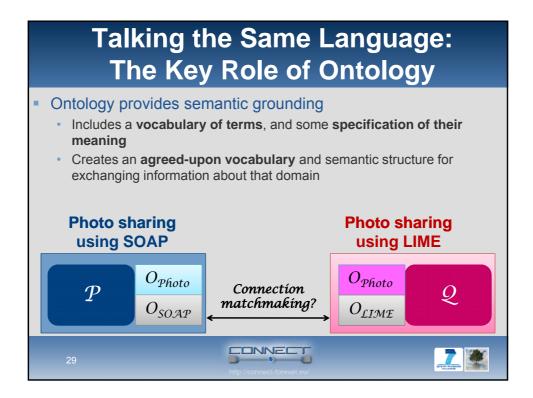


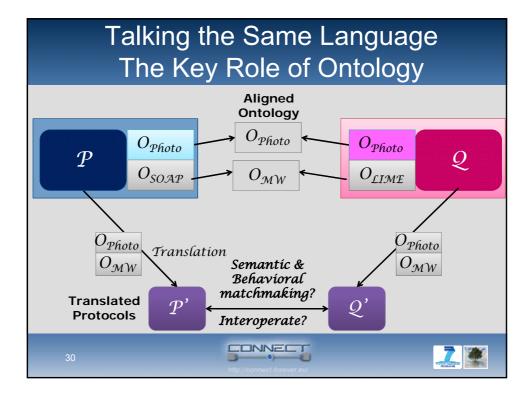


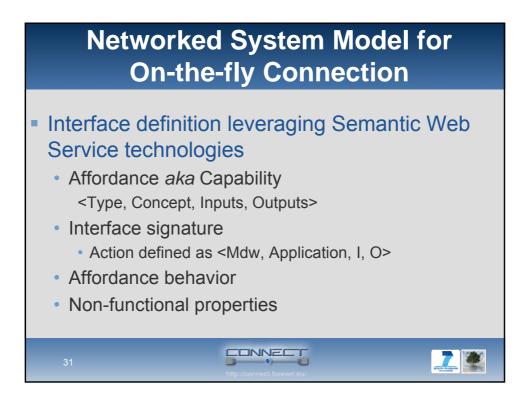


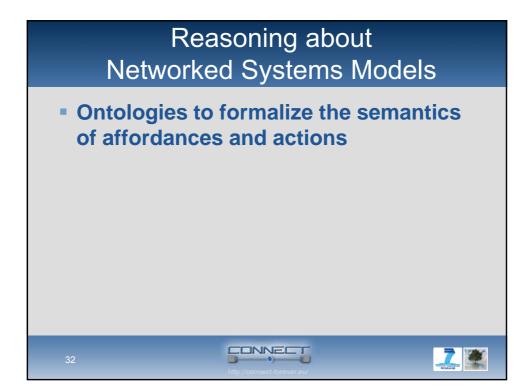


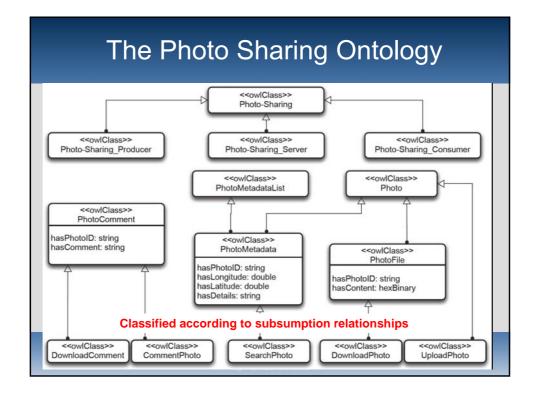


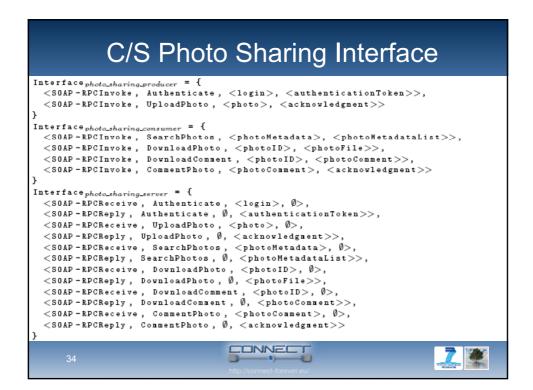


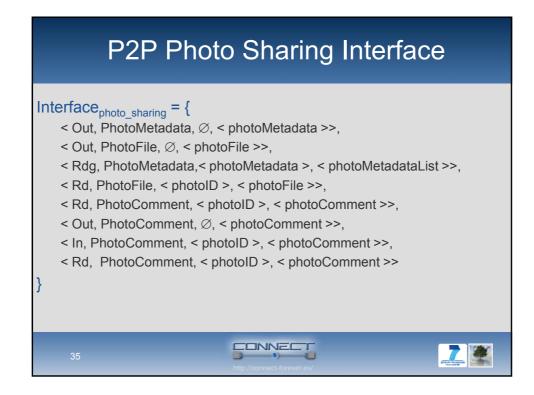


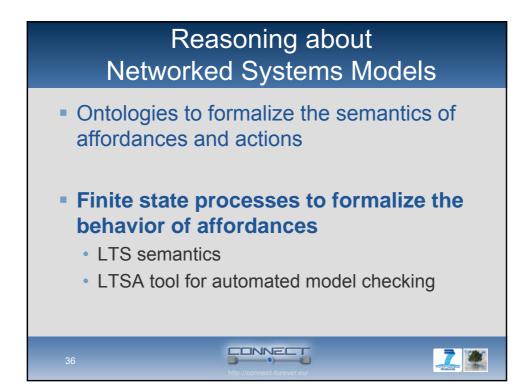


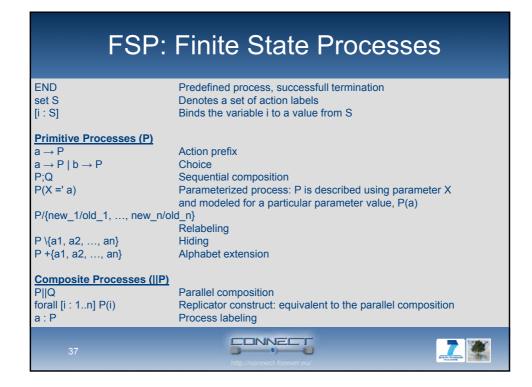


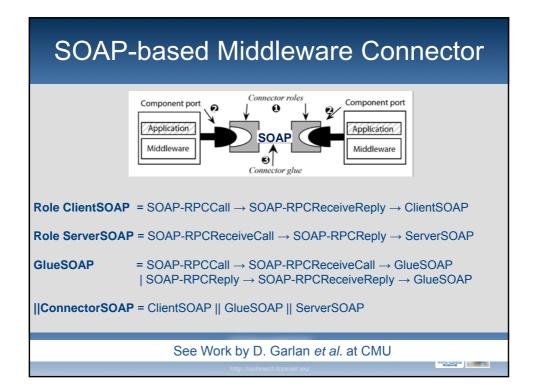


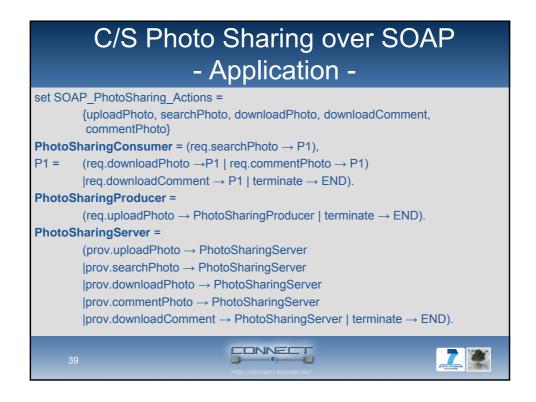


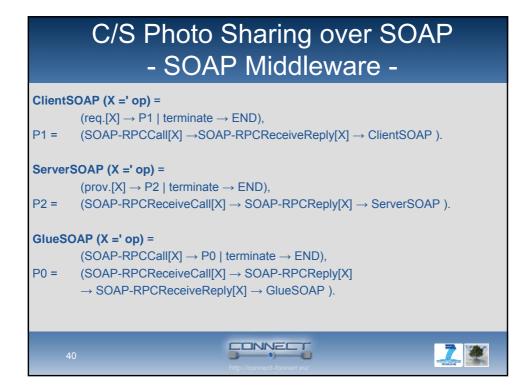


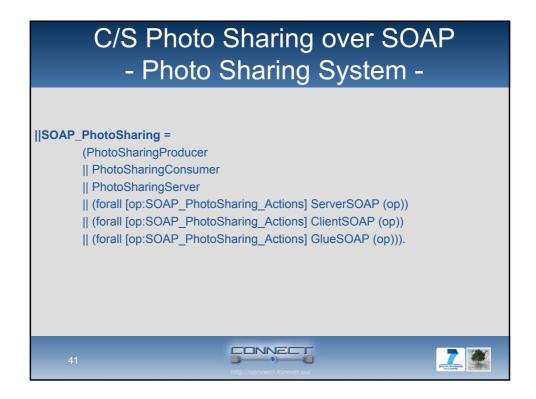


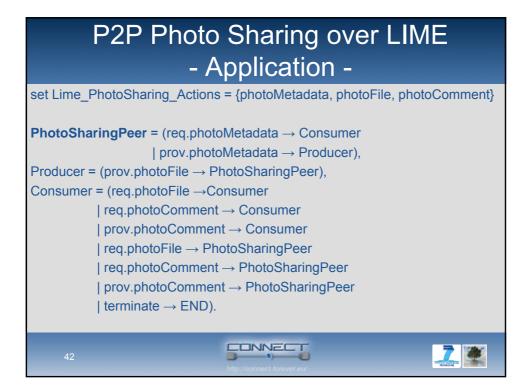


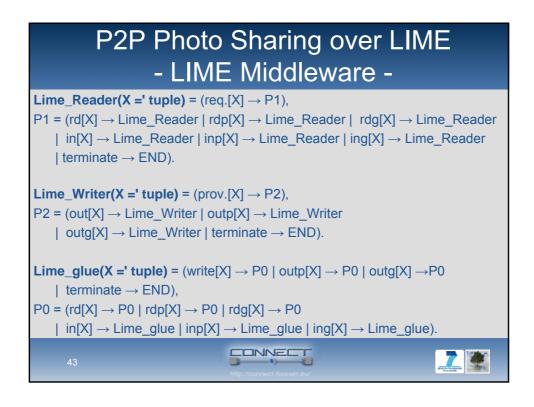


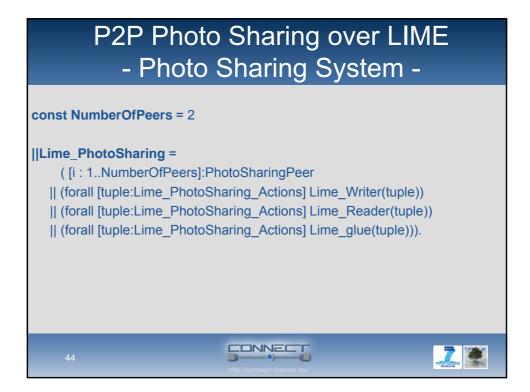


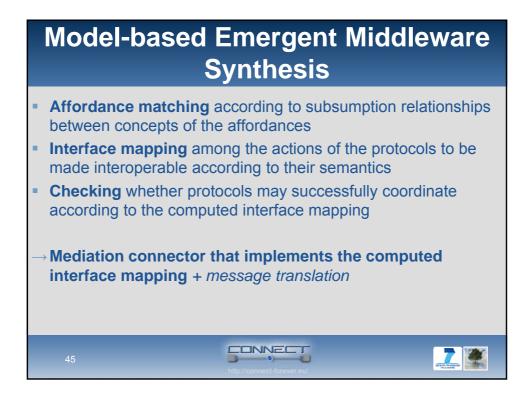


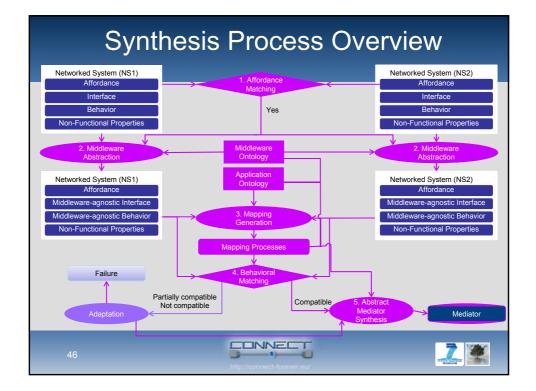


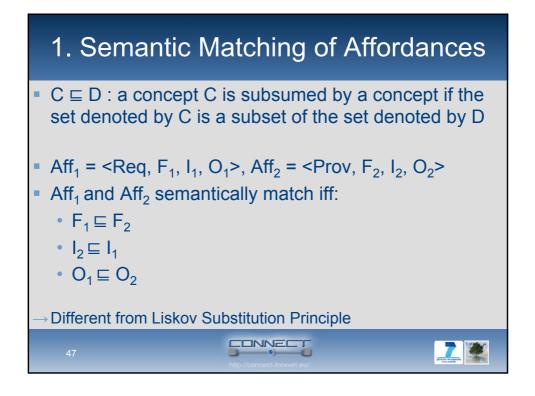


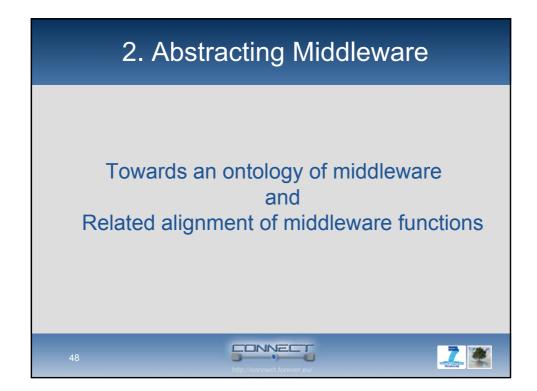


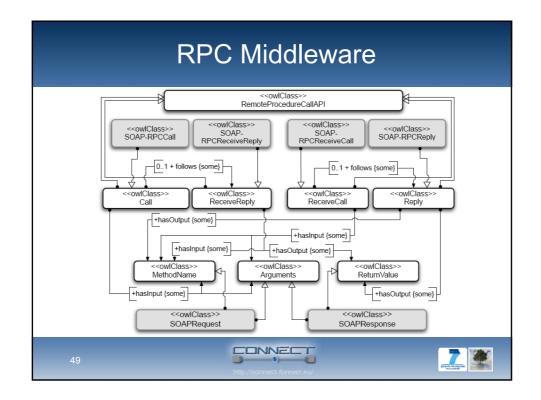


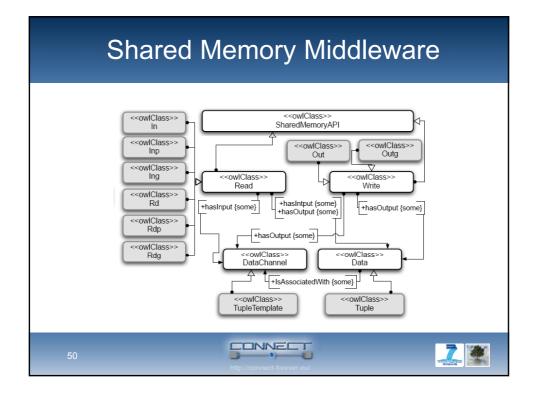


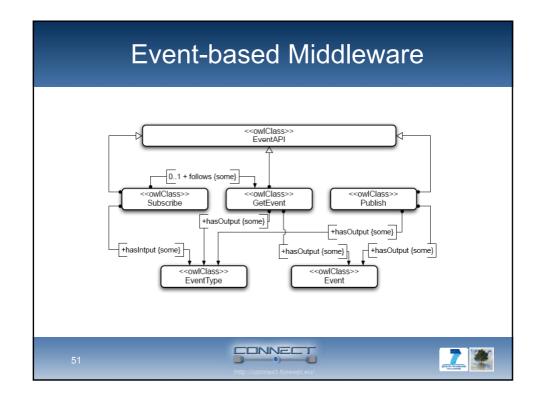


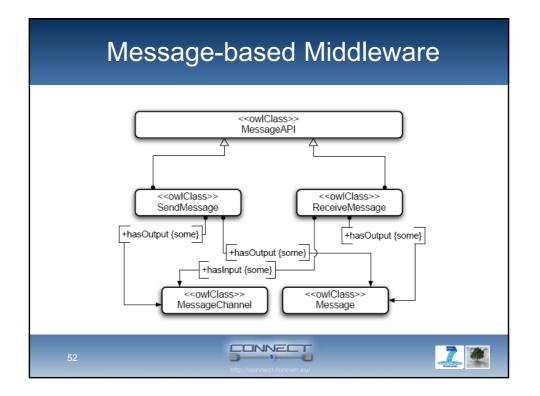


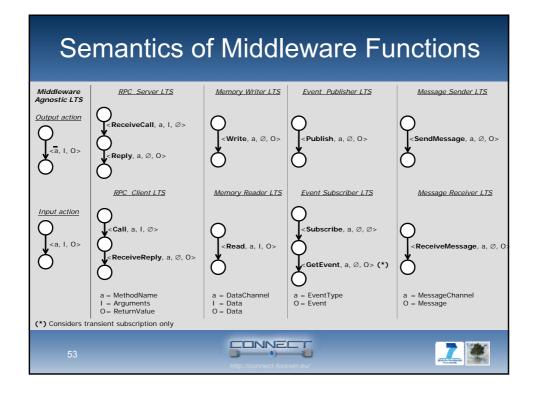


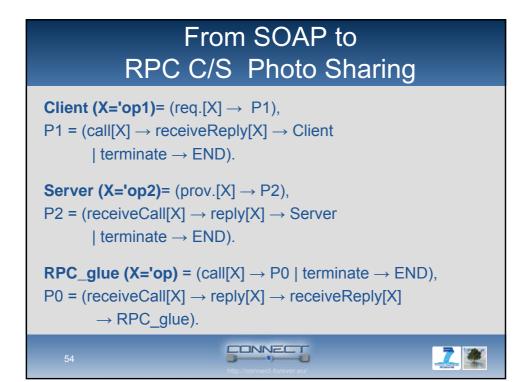


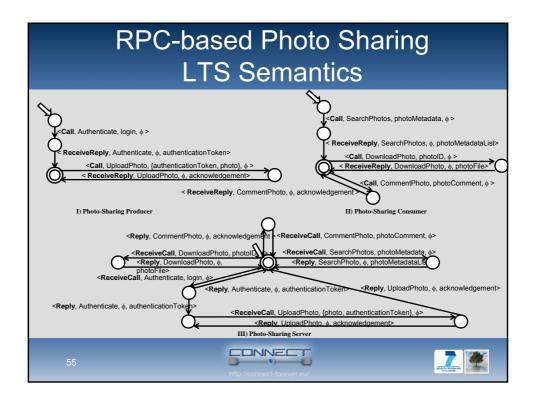


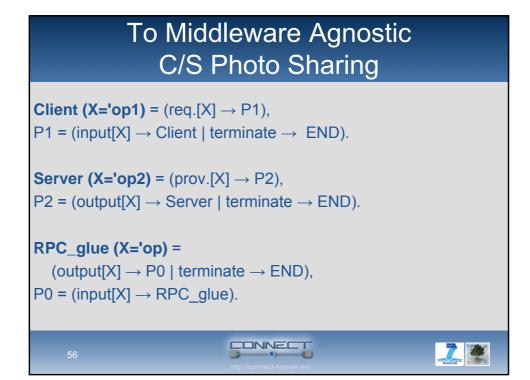


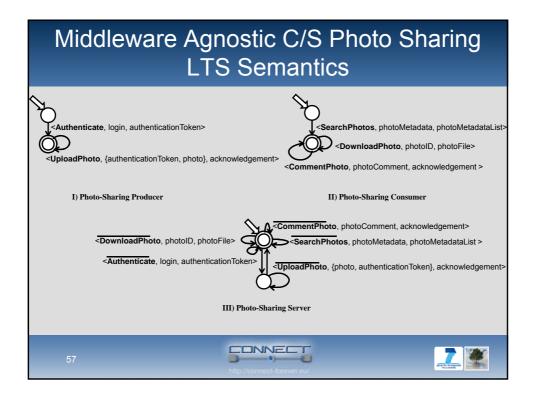


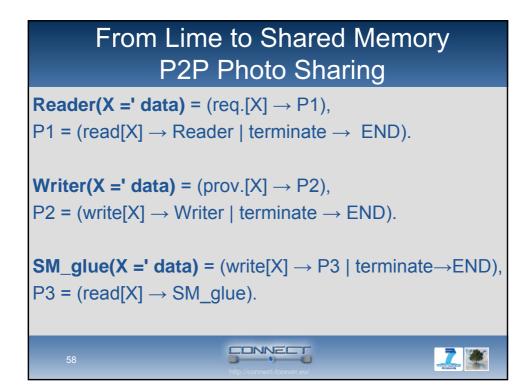


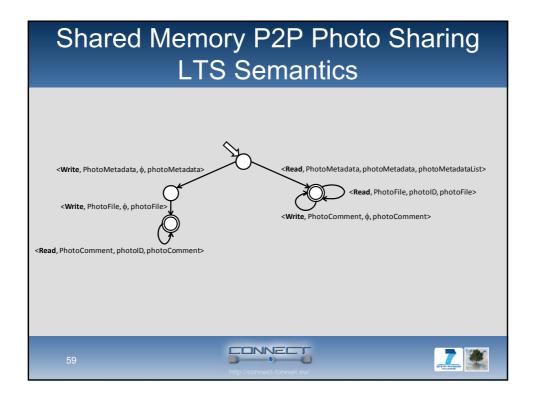


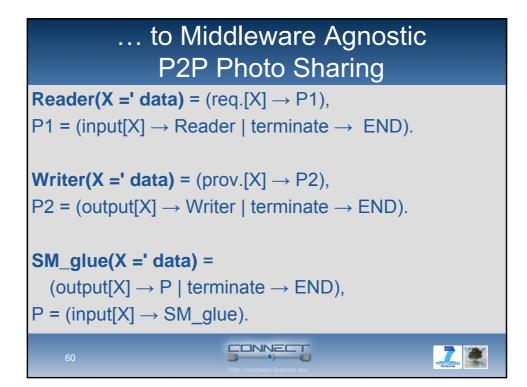


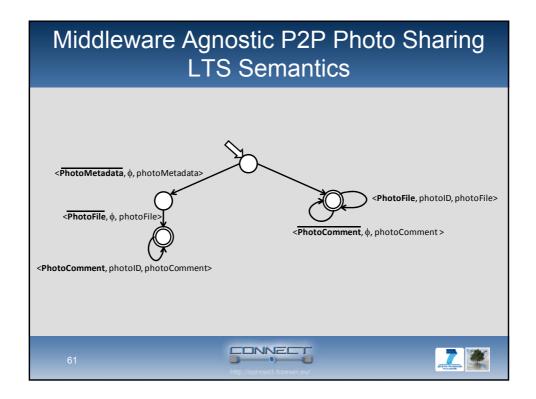


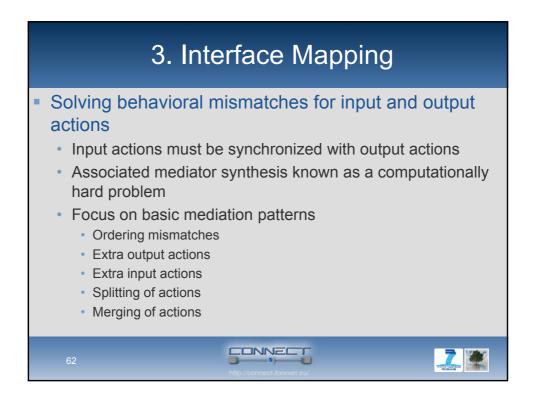


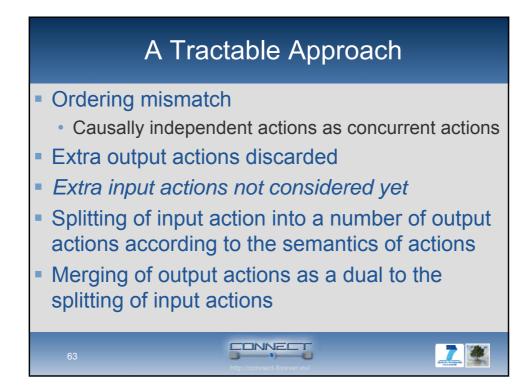


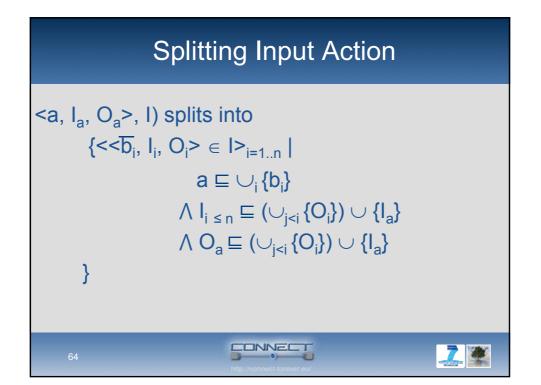












Computing Interface Mapping

