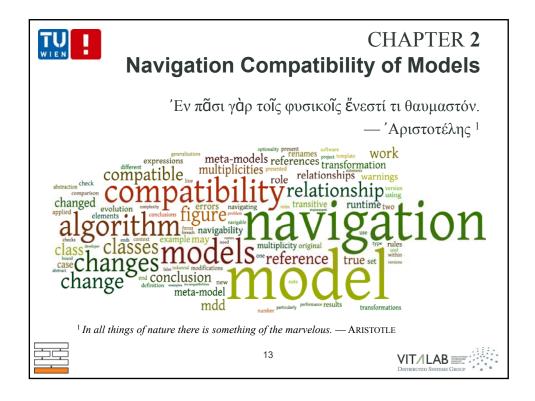
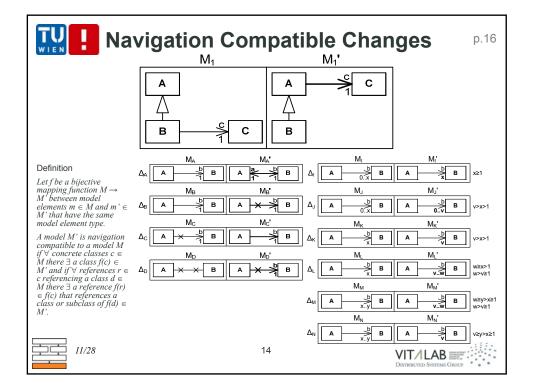
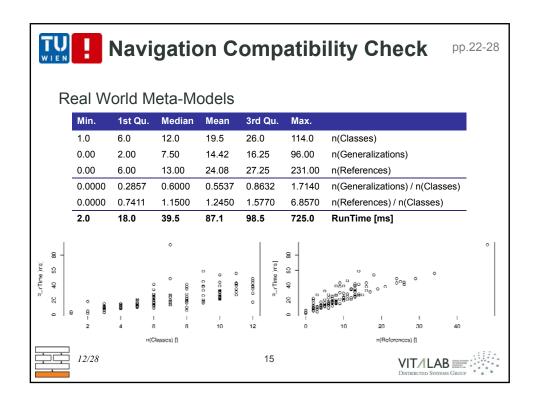
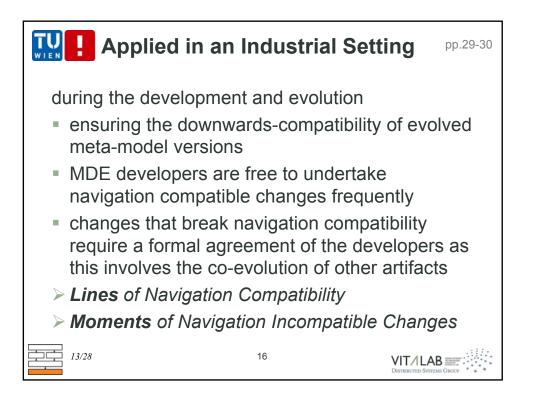


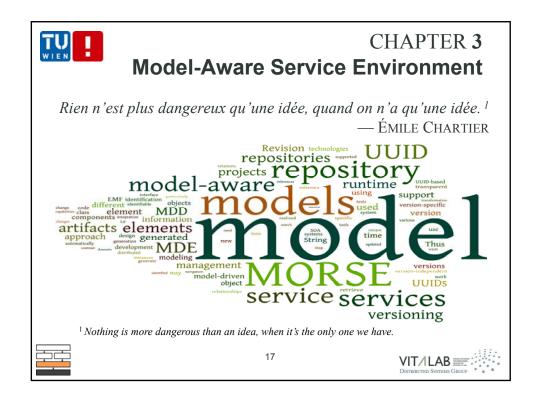
Overview of Contributions P					
	Model-Aware Monitoring				
				Chapter 6	
		A	≜		
	Model-Aw	/are Systems	Linking Syst Requirements th		
		G Chapter 4	D	Chapter 5	
		•	↑	RQ	
		2			
		G	D	Chapter 3	
				RQ	
		Navigation C	1		
		G	D	Chapter 2	
	Runtime	G Generation time	D Design time	RQ Research question	
10/28		1:	2	DISTRIBUTED SYSTEMS GROUP	

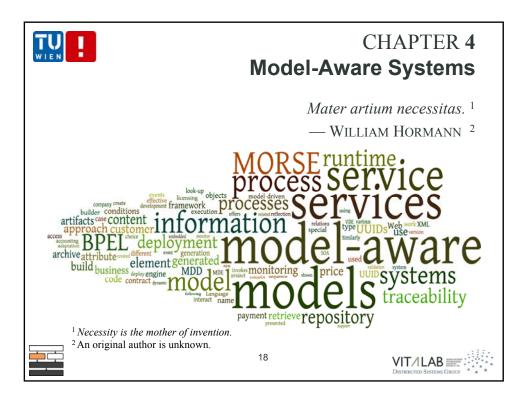


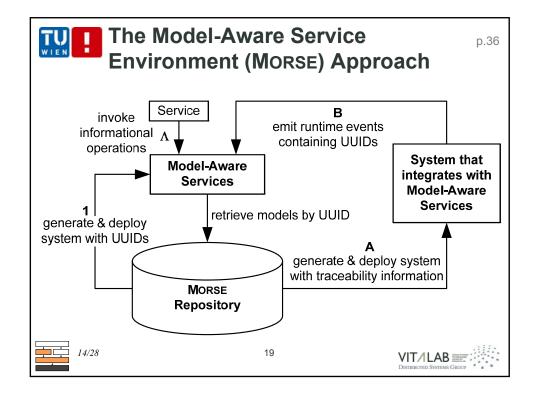


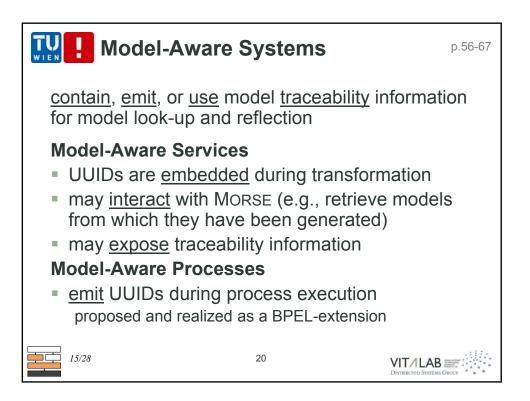


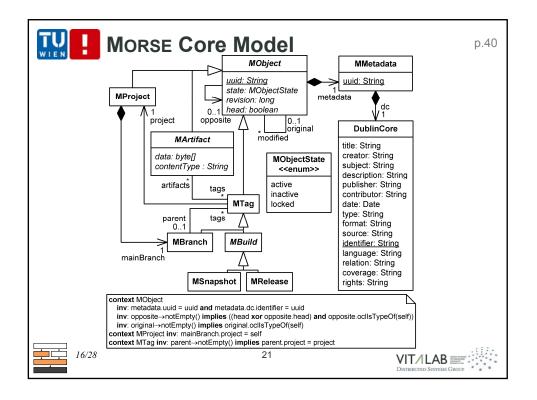


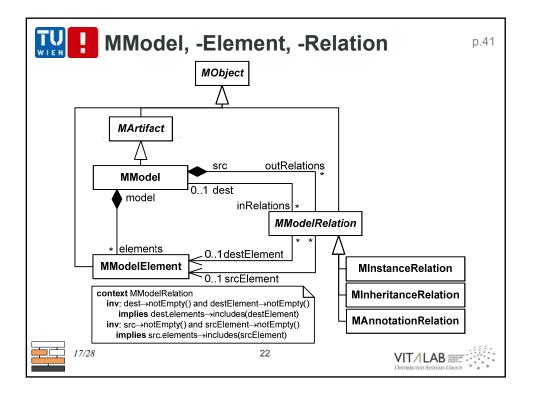


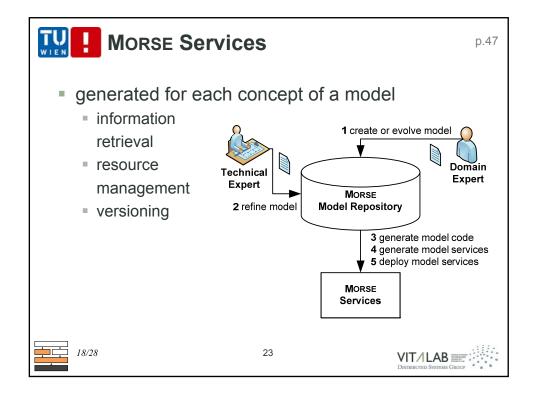




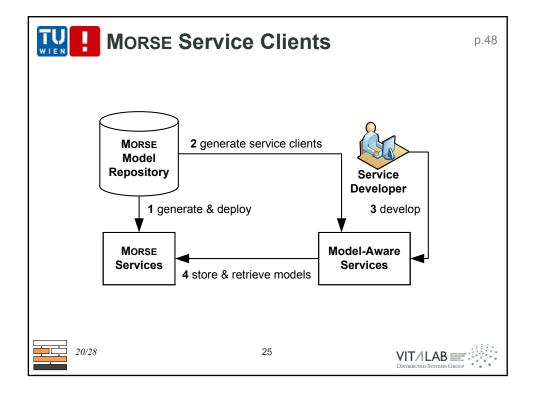




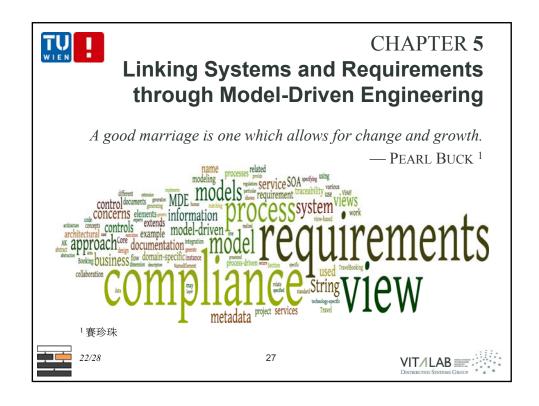


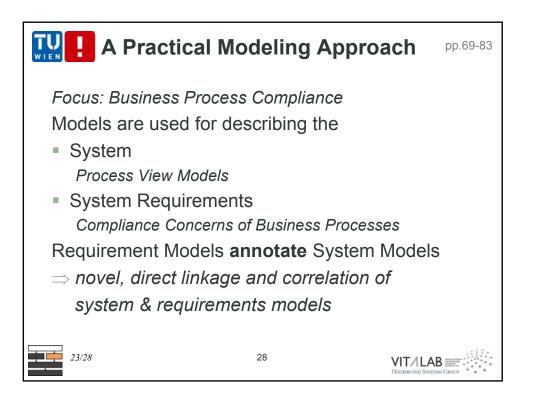


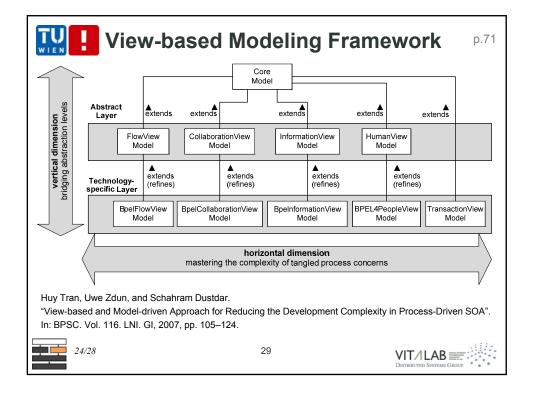
ŀ	MORSE Service Operations			
	Response	Operation	Description	
	boolean	exists	does a model with a UUID exist?	
	boolean	isHead	is the object (specified by UUID) version-independent?	
	UUID[]	list	returns the VIIDs of all models	
	UUID[]	versions	returns all VSIDs of a model	
	<class>[]</class>	query	search for models; support of various query parameters	
	<class></class>	retrieve	a model is retrieved by UUID	
	UUID	create	a VIID is returned	
	UUID	update	a VSID is returned	
	UUID	delete	a VSID is returned	_
	UUID[]	list <role></role>	returns the UUIDs for a role	
	UUID	add <role></role>	a VSID is returned	
	UUID	remove <role></role>	a VSID is returned	
	UUID	clear <role></role>	a VSID is returned	
/28			24 VIT/LAB	

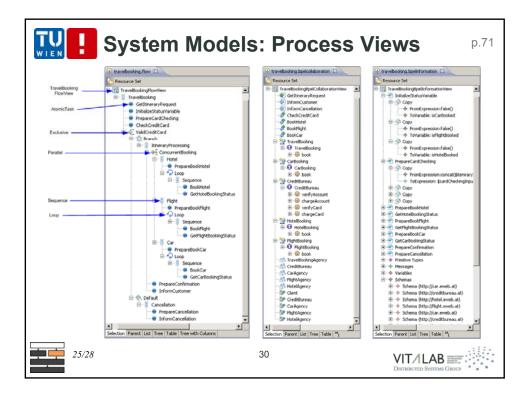


Repository	Model Identification	Model Element Identification	Model Navigation	Complex Search
AMOR	URL	ID	×	×
AtlanticZoo	URL	×	×	×
CDO	URL	URI-Fragment	✓	✓
EMFStore	ID	ID	✓	×
MDR	ID	URI-Fragment	×	×
ModelBus	URL	×	×	×
Morse	UUID	UUID	✓	✓
Odyssey-SCM	ID	URI-Fragment	×	×
Odyssey-VCS 2	ID	URI-Fragment	×	×









Requirement Model: p.79 Compliance Metadata Instance							
Name-	gNE : NamedElement HotelBookingNE : NamedEl						
Matching name = "Trave	IBooking" name = "HotelBooking"	name = "FlightBooking"					
Name- based Matchin	<u>↓</u>	CreditBureauNE : NamedElement name = "CreditBureau"					
TravelBooking : Service	implements implements implements	implements					
name = "TravelBooking"	<u>C1 : Control</u>						
CarBooking : Service	description = "Secure transmission of individual-related data through secure protocal connectors" fulfills CR1: ComplianceRequirement						
CreditBureau : Service name = "CreditBureau"	AbuseRisk : Risk description = "Abuse of individual-related data" impact = HIGH likelihood = LOW	v					
HotelBooking : Service							
name = "HotelBooking"	EU Directive 95 46 EC : Legislation						
FlightBooking : Service name = "FlightBooking"	title = "EU Directive 95/46/EC Individual Protection" authors = "European Parliament, Council" uri = "http://eur-lex.europa.eu/Lex.UriServ/Lex.UriServ.do?uri=CELEX:31995L0046:EN:NOT" date = 1995-10-24						
26/28	31 VIT/LAB INSTITUTED SYSTEMS GROUP						

