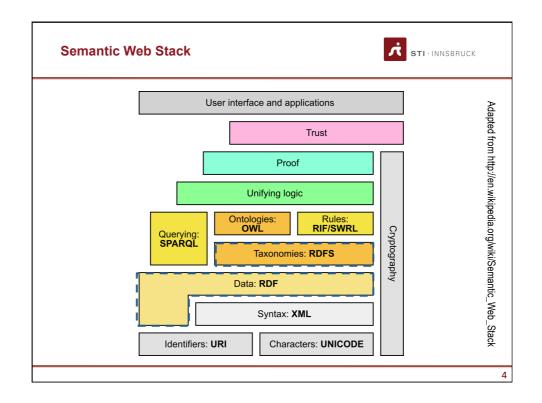
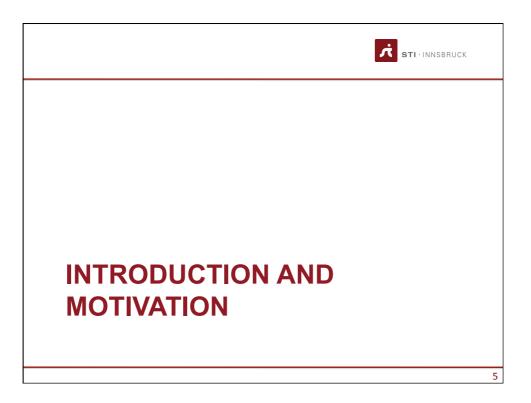
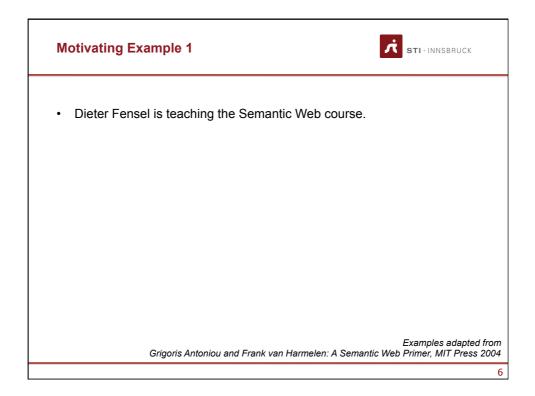


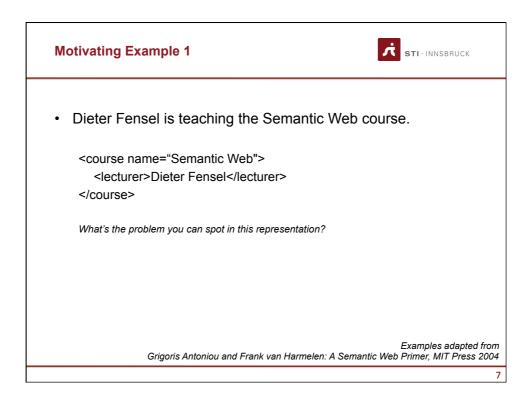
#	Title
1	Introduction
2	Semantic Web Architecture
3	Resource Description Framework (RDF)
4	Web of data
5	Generating Semantic Annotations
6	Storage and Querying
7	Web Ontology Language (OWL)
8	Rule Interchange Format (RIF)
9	Reasoning on the Web
10	Ontologies
11	Social Semantic Web
12	Semantic Web Services
13	Tools
14	Applications

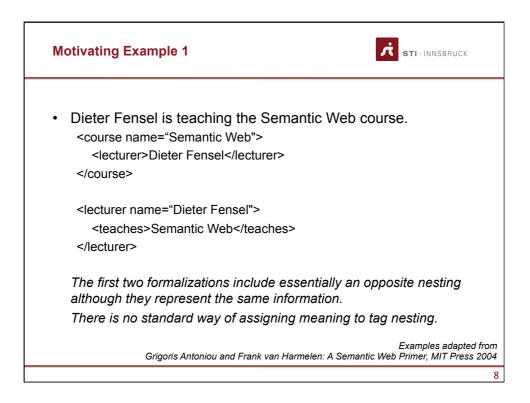


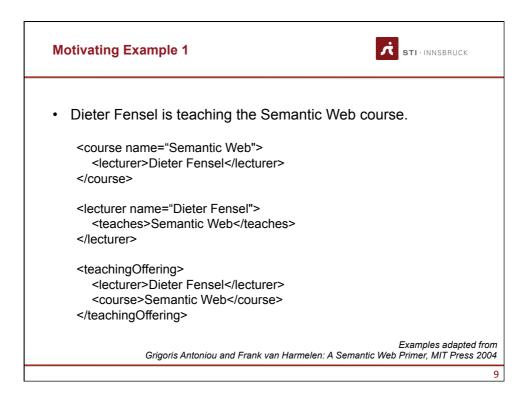


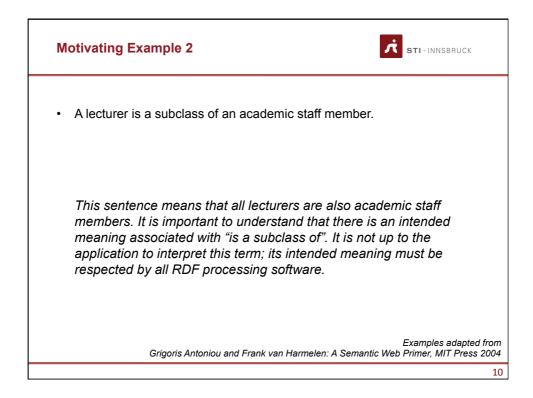


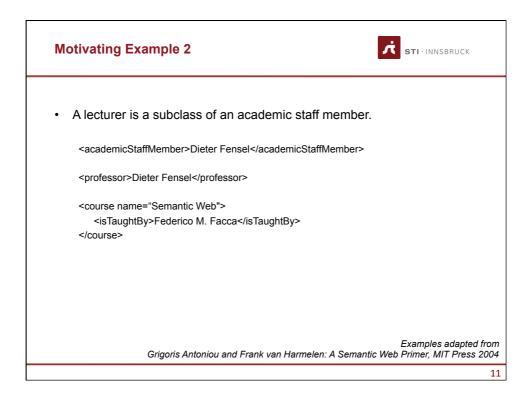


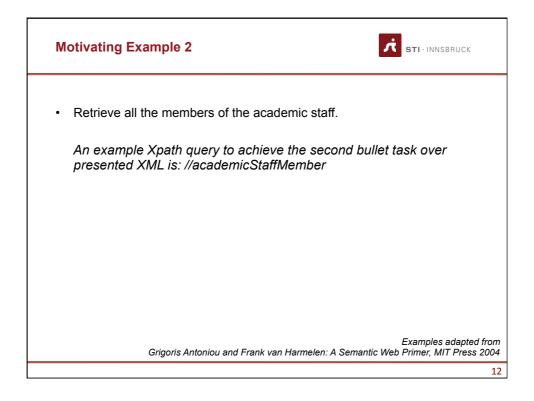


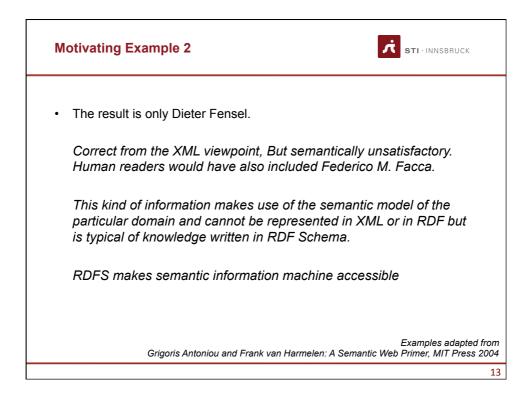


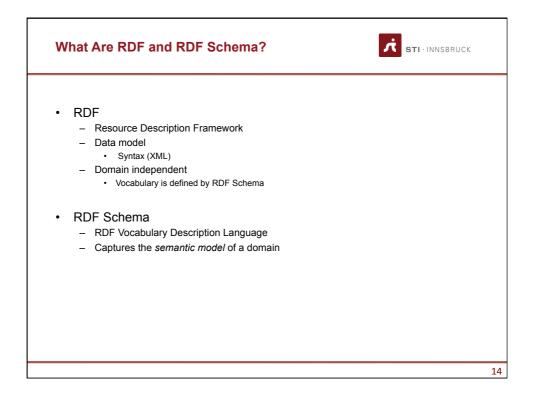




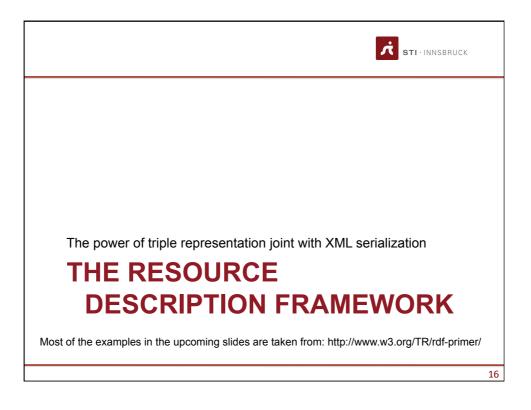


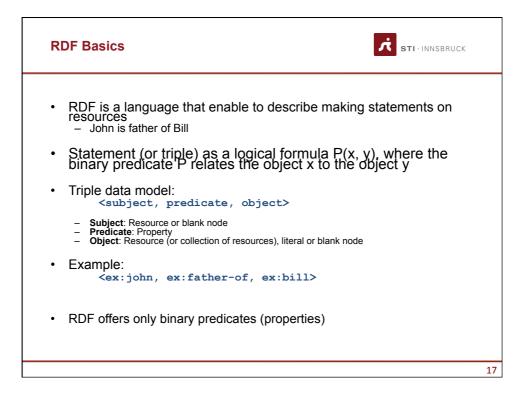


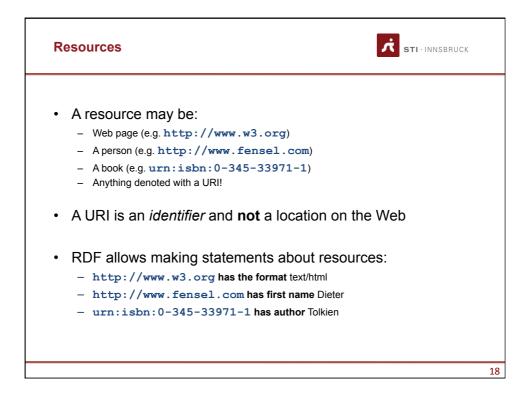


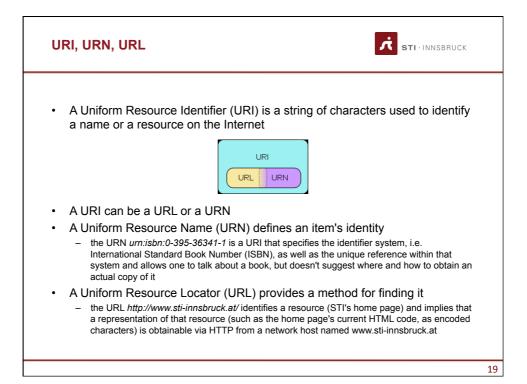


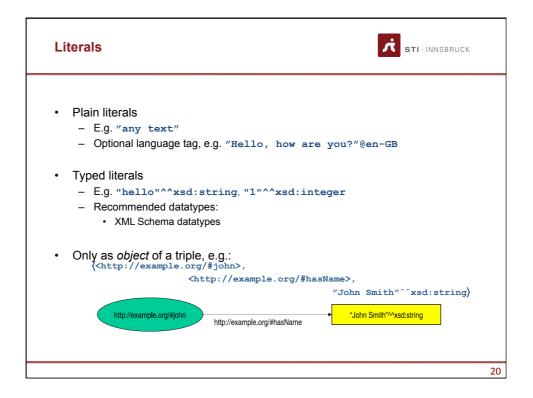


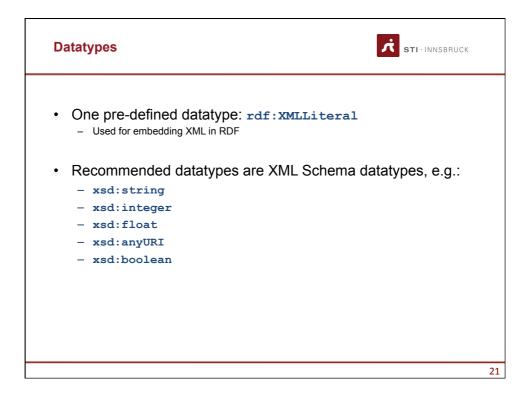


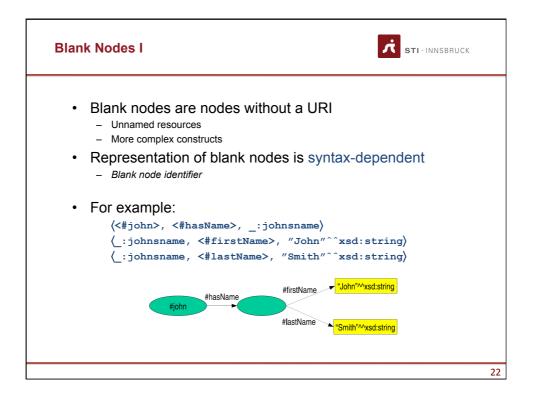


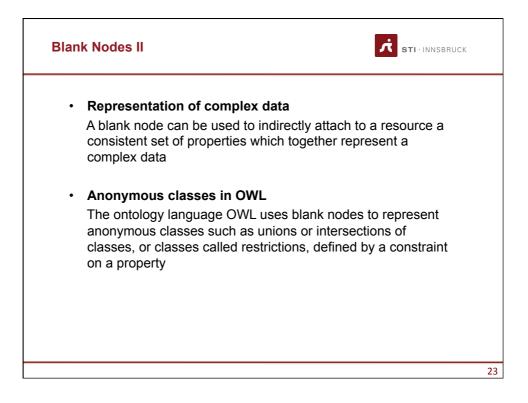




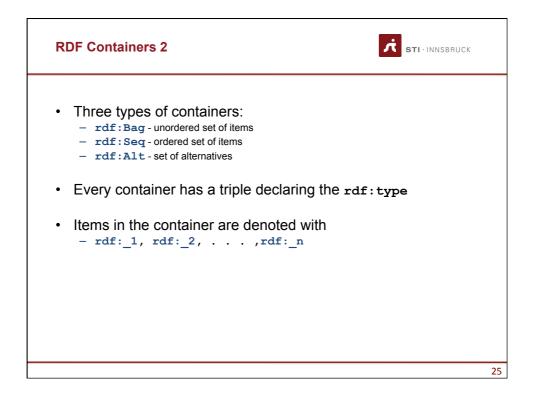


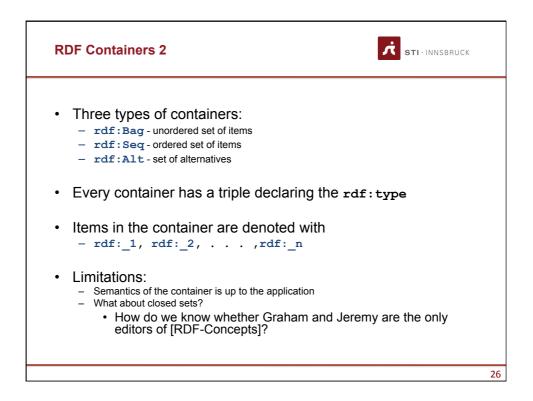


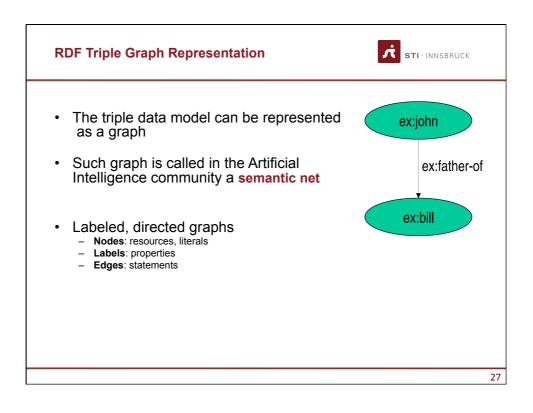


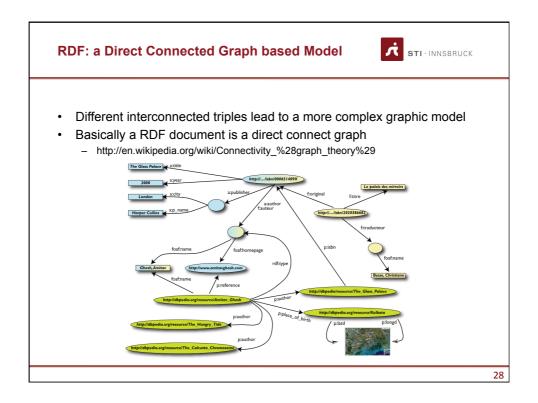


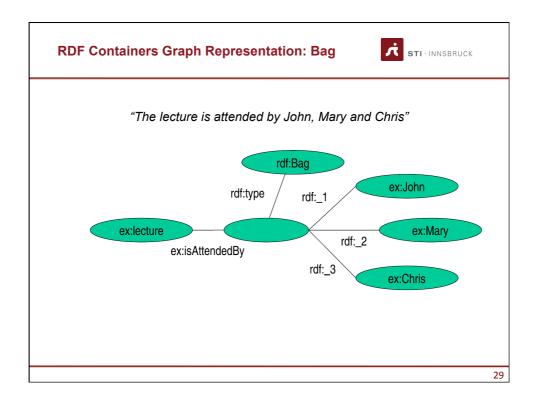
RDF Containers	STI · INNSBRUCK
Grouping property values:	
"The lecture is attended by John, Mary and Chris"	Bag
<i>"[RDF-Concepts] is edited by Graham and Jeremy (in that order)"</i>	Seq
"The source code for the application may be found at ftp1.example.org, ftp2.example.org, ftp3.example.org"	Alt
	24

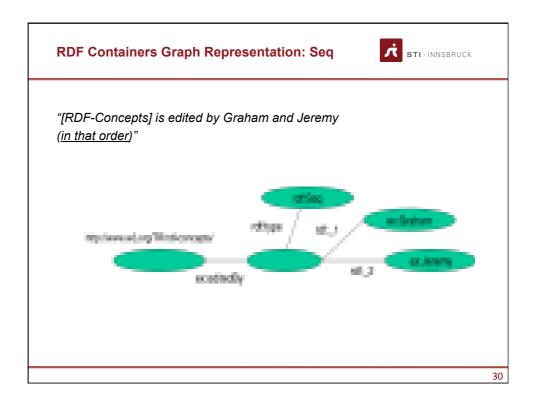


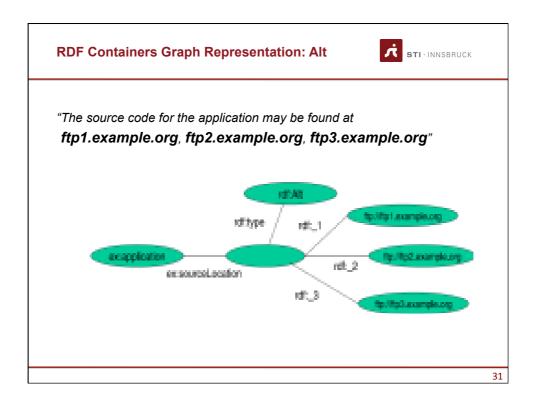


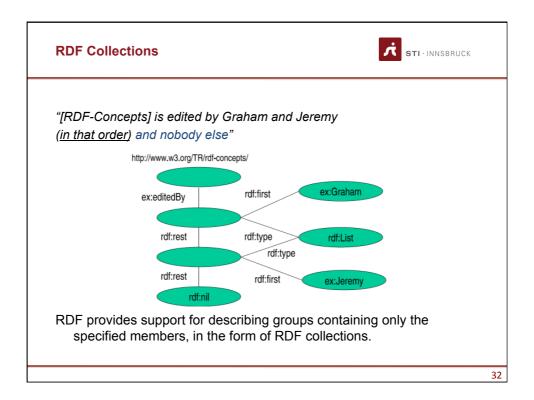


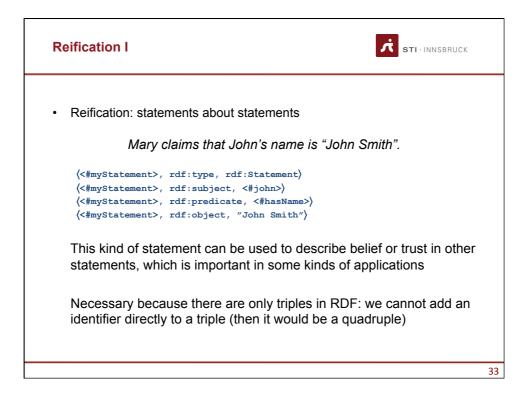


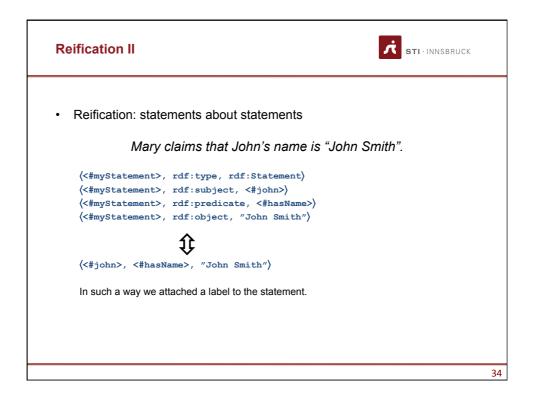


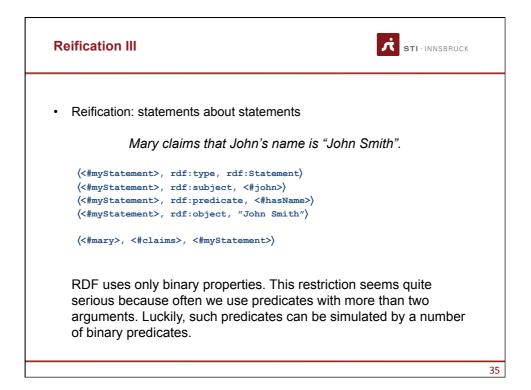


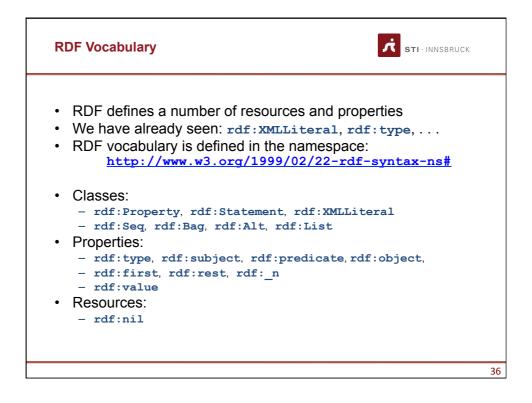


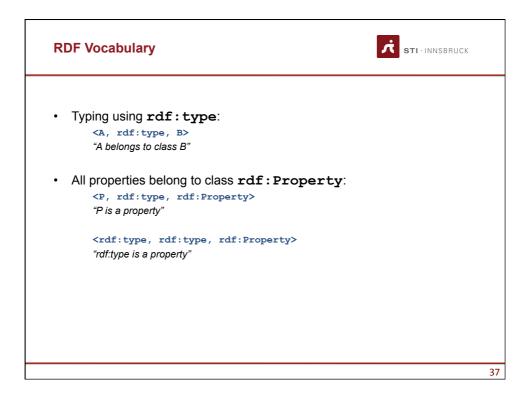


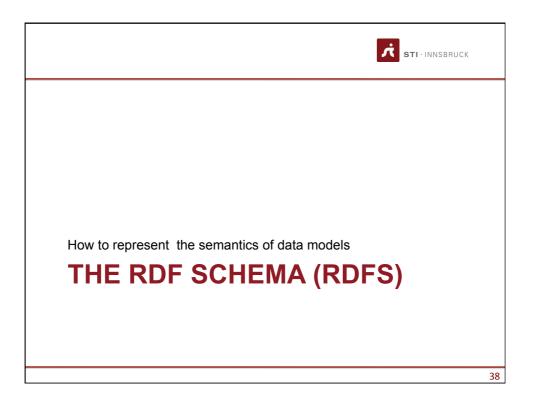


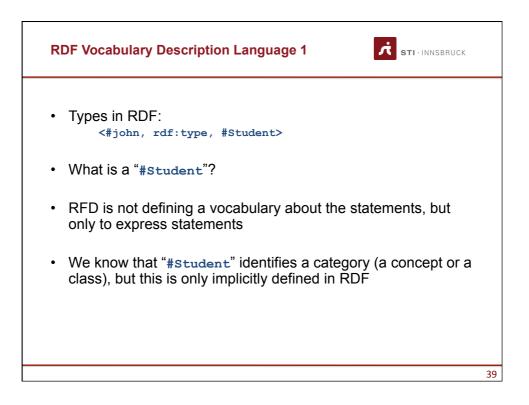


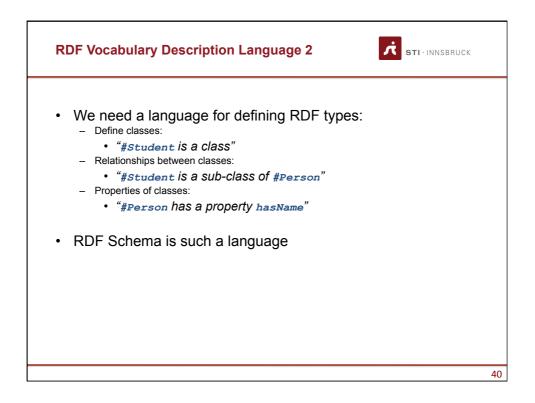


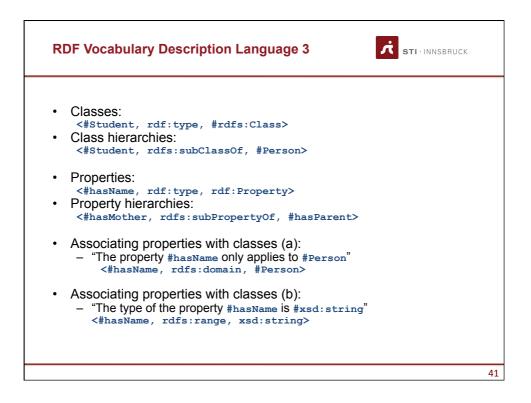


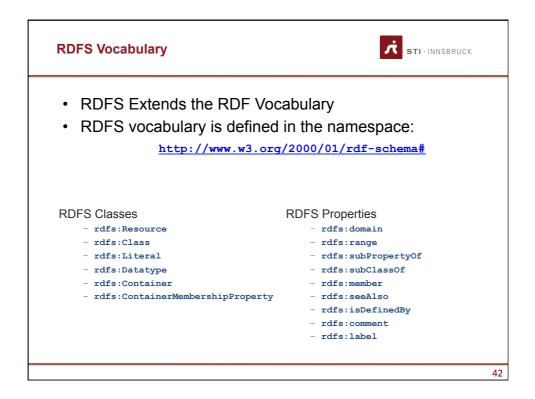


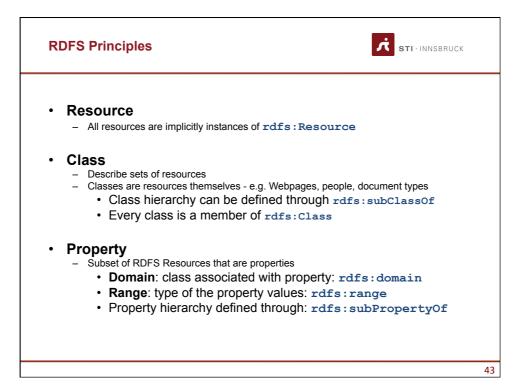


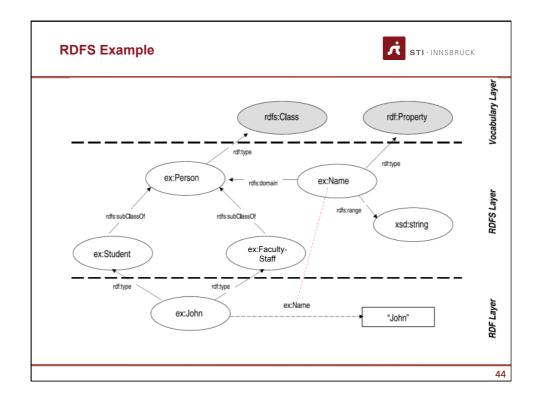


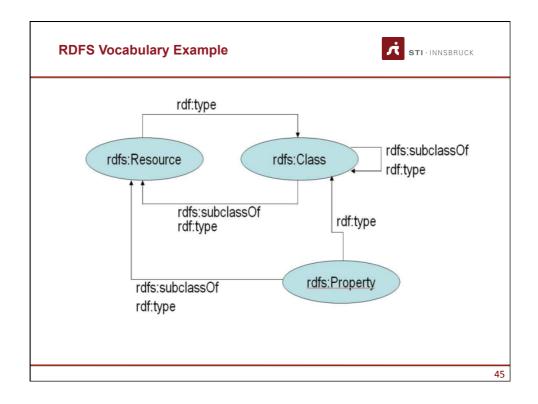


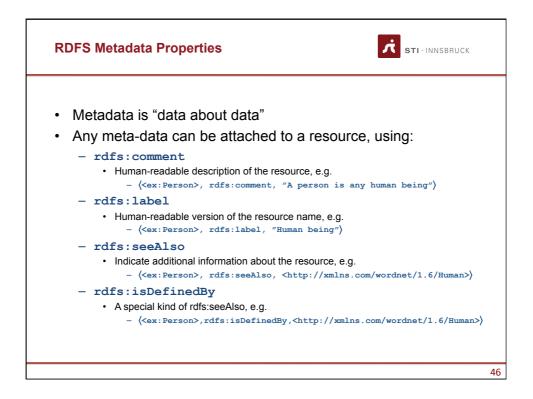


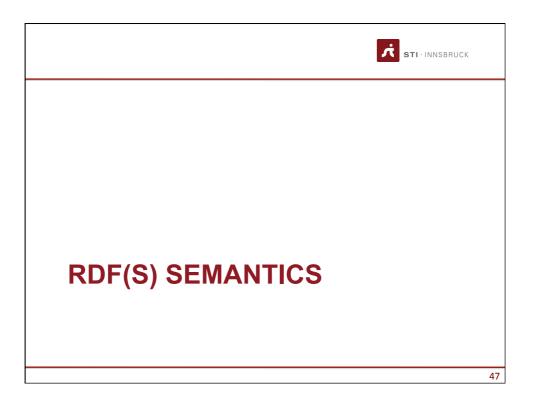


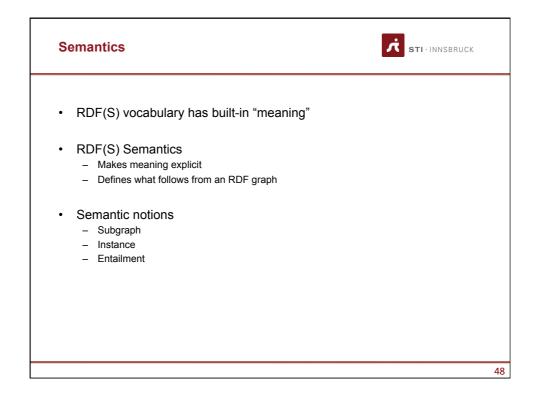


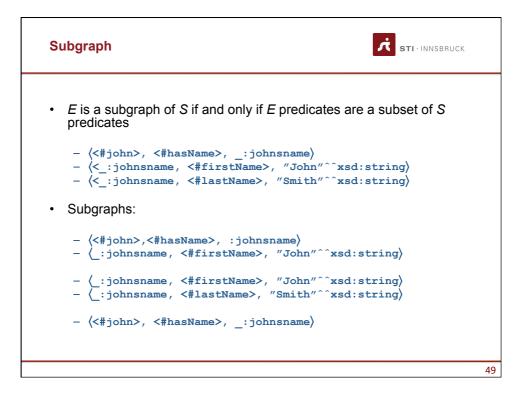




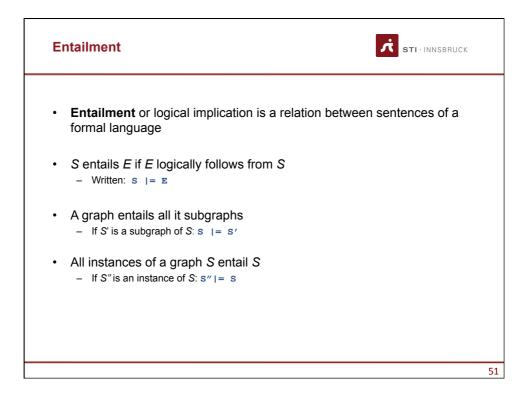




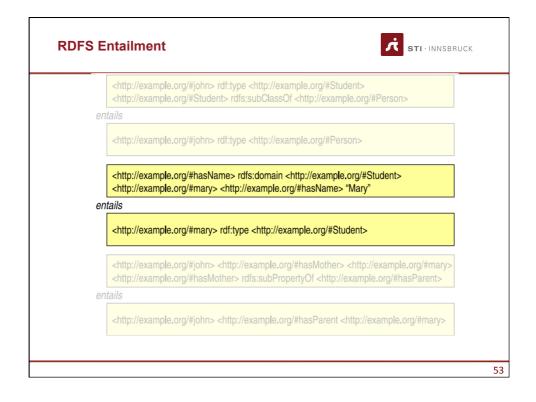


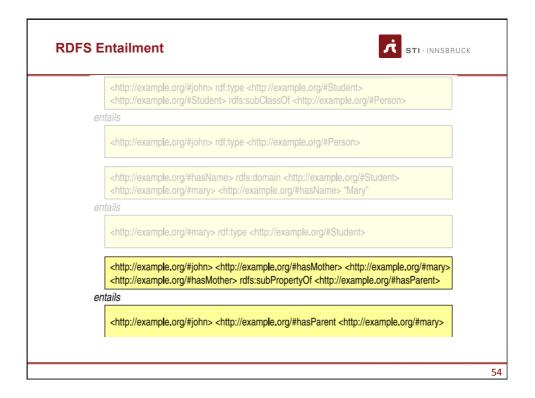


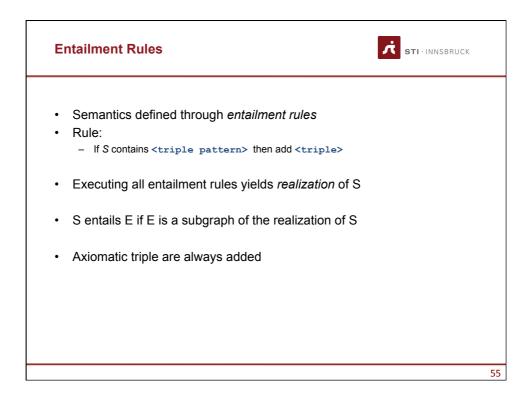
Instance	STI · INNSBRUCK
 S' is an instance of S if and only if some blank nodes in S are literals or URIs (<#john>, <#hasName>, _:johnsname) (:johnsname, <#firstName>, "John"^xsd:string) (:johnsname, <#lastName>, "Smith"^xsd:string) 	replaced with blank nodes,
<pre>• Instances:</pre>	
<pre>- <<#john>, <#hasName>, _:X) - (:X, <#firstName>, "John"^xsd:string) - (:X, <#lastName>, "Smith"^xsd:string) - <<#hasName>, _:johnsname) - <<#pre>- (<#john>, <#hasName>, _:johnsname)</pre>	
 - (:johnsname, <#firstName>, "John"^^xsd:string) - (:johnsname, <#lastName>, "Smith"^^xsd:string) • Every graph is an instance of itself! 	

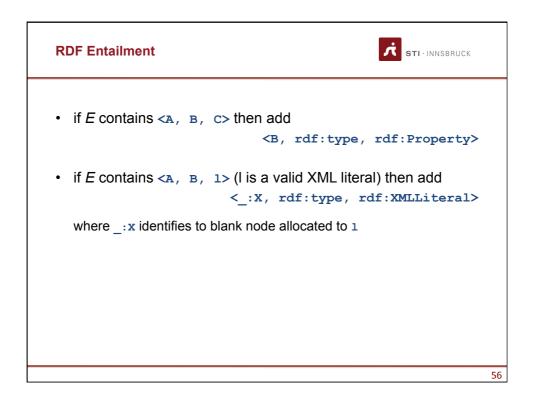


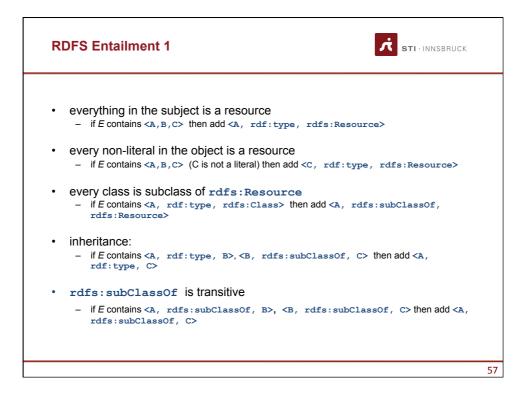
-	<http: #john="" example.org=""> rdf:type <http: #student="" example.org=""> <http: #student="" example.org=""> rdfs:subClassOf <http: #person="" example.org=""></http:></http:></http:></http:>
en	tails
	<http: #john="" example.org=""> rdf:type <http: #person="" example.org=""></http:></http:>
	<http: #hasname="" example.org=""> rdfs:domain <http: #student="" example.org=""> <http: #mary="" example.org=""> <http: #hasname="" example.org=""> "Mary"</http:></http:></http:></http:>
en	tails
	<http: #mary="" example.org=""> rdf:type <http: #student="" example.org=""></http:></http:>
	<pre><http: #john="" example.org=""> <http: #hasmother="" example.org=""> <http: #mary<br="" example.org=""><http: #hasmother="" example.org=""> rdfs:subPropertyOf <http: #hasparent="" example.org=""></http:></http:></http:></http:></http:></pre>
en	tails
	">http://example.org/#hasParent

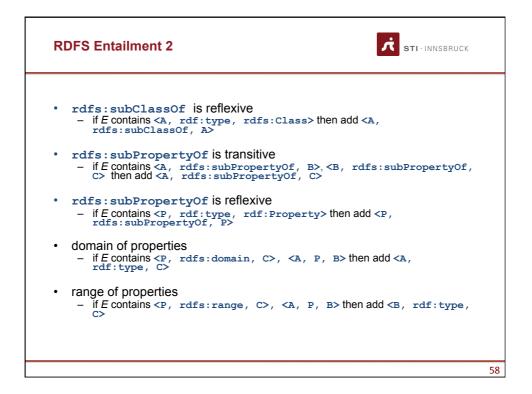


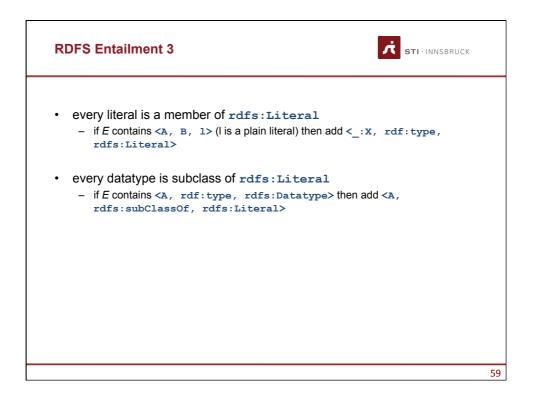


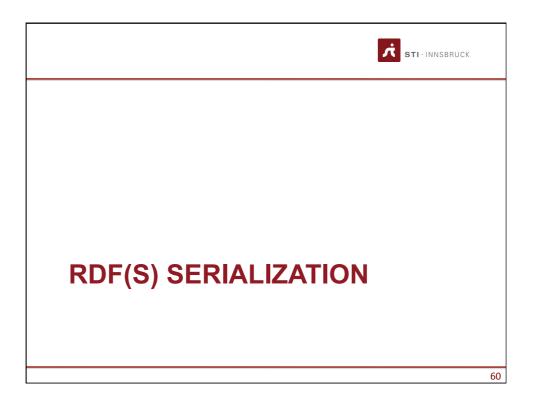


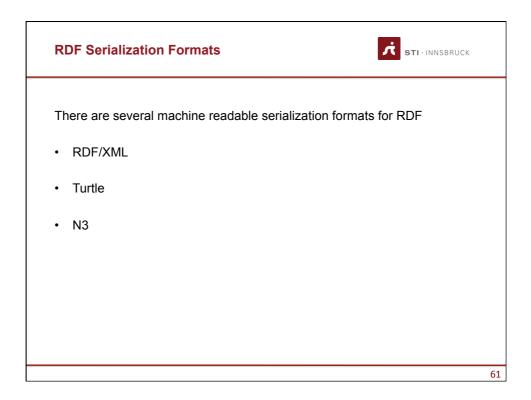


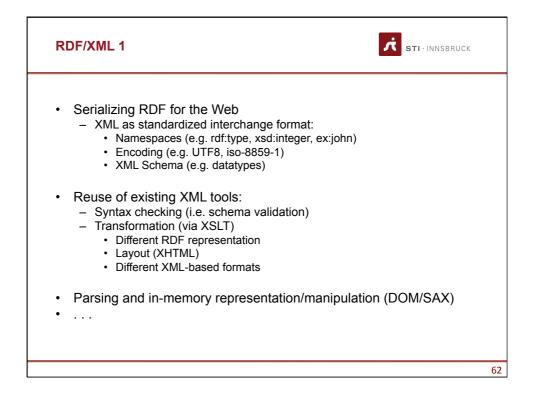


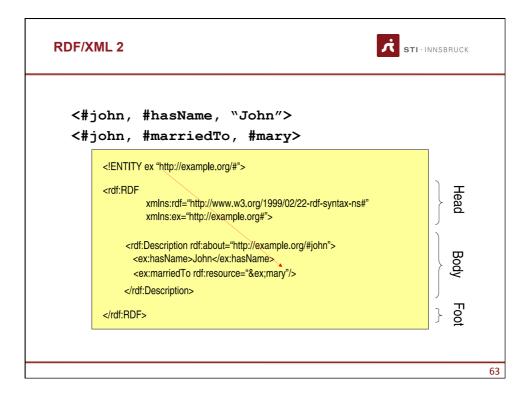


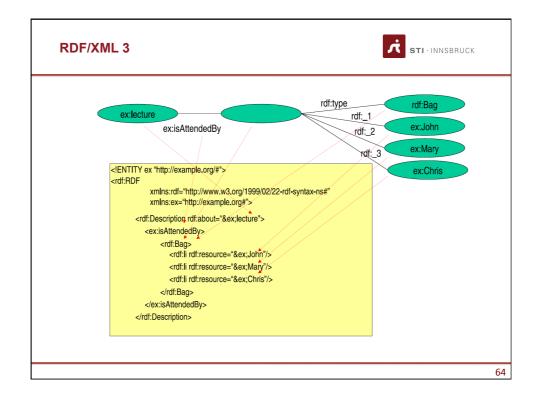


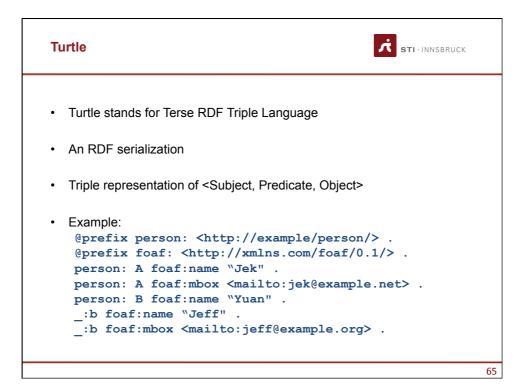


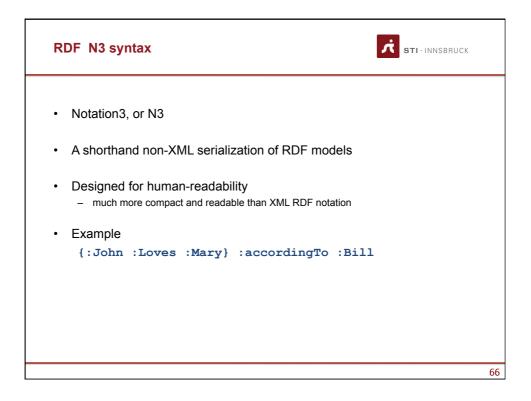


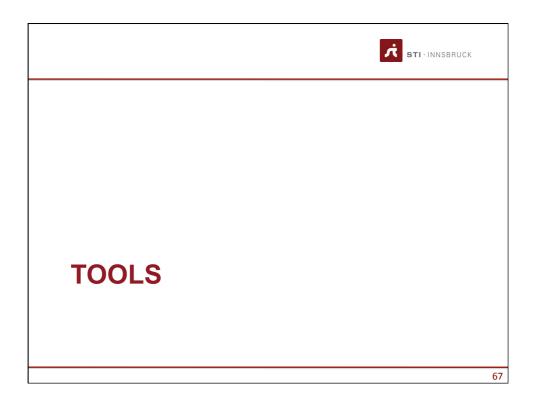


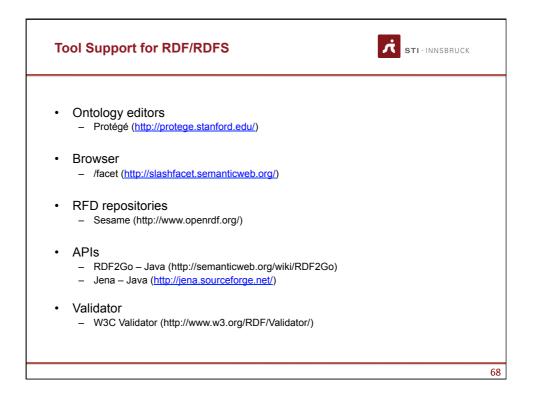


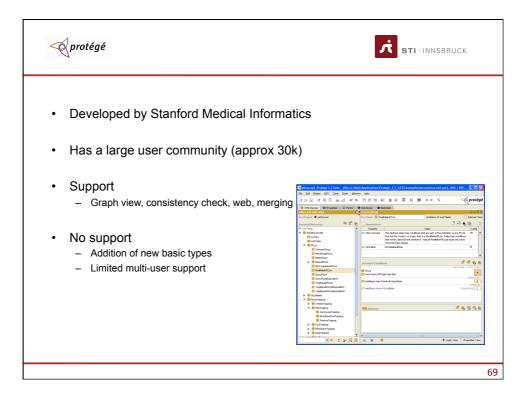


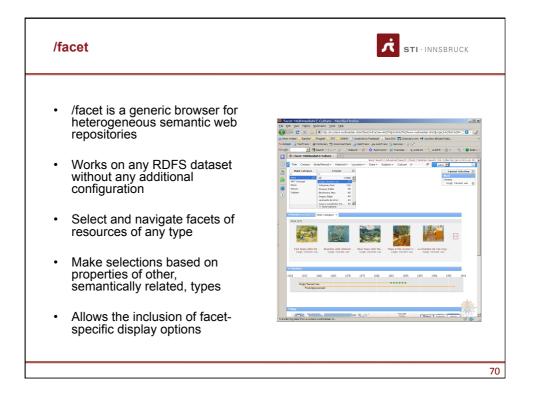












Sesame stilling	ISBRUCK
 A framework for storage, querying and inferencing of RDF and RDF Schema A Java Library for handling RDF A Database Server for (remote) access to repositories of RDF data 	
 Features: Light-weight yet powerful Java API SeRQL, SPARQL High scalability (O(10⁷) triples on desktop hardware) Various backends (Native Store, RDBMS, main memory) Reasoning support Transactional support Context support RDF/XML, Turtle, N3, N-Triples 	
	71

Jena r	1 · INNSBRUCK
 A Java framework for building Semantic Web applications Initiated by Hewlett Packard (HP) Labs Semantic Web Programmeter 	amme.
 Includes: A RDF API Reading and writing RDF in RDF/XML, N3 and N-Triples An OWL API In-memory and persistent storage SPARQL query engine 	
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