

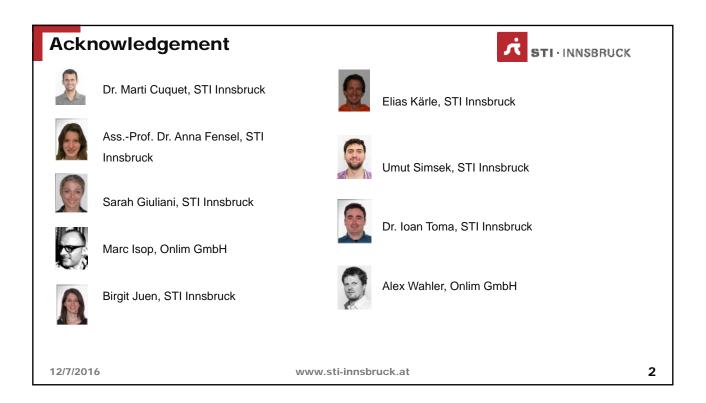
(...äh... No Intelligence without Knowledge or "Knowledge is Power")

Dieter Fensel

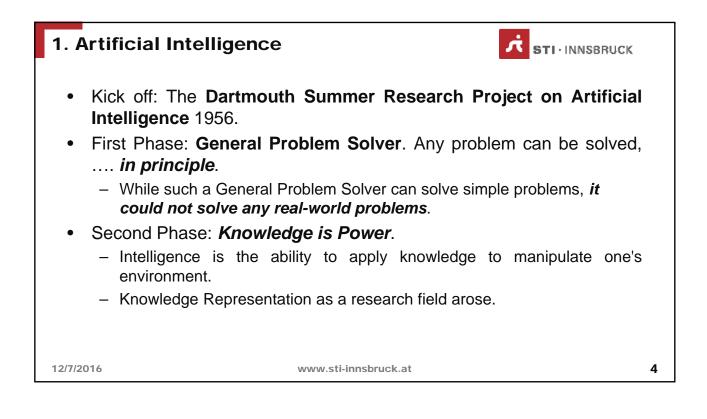
University of Innsbruck

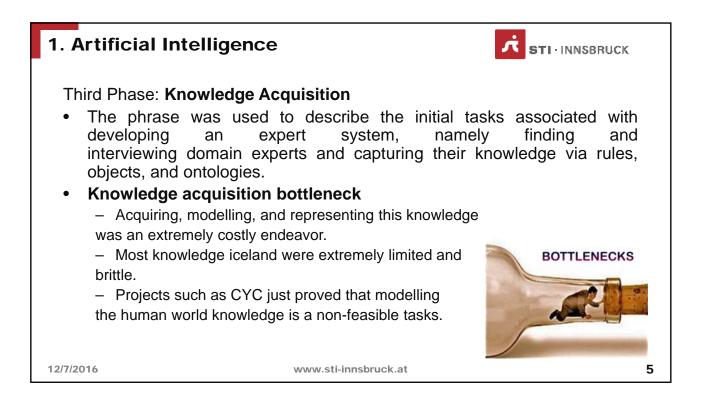


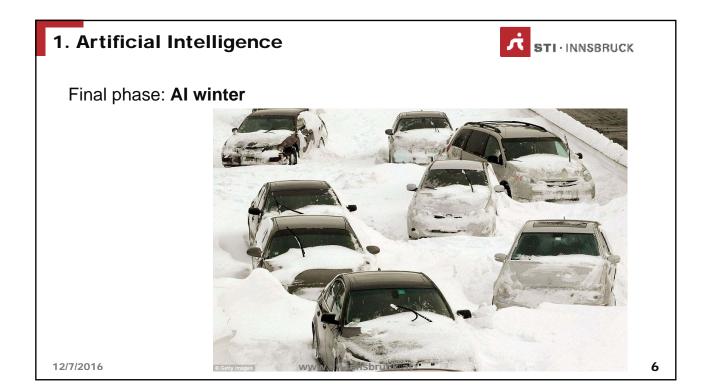
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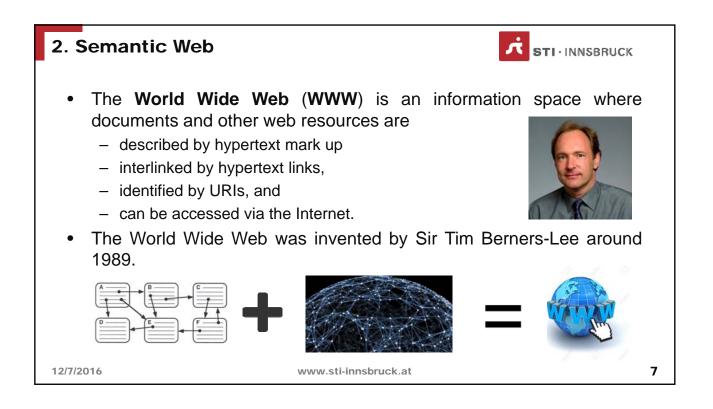


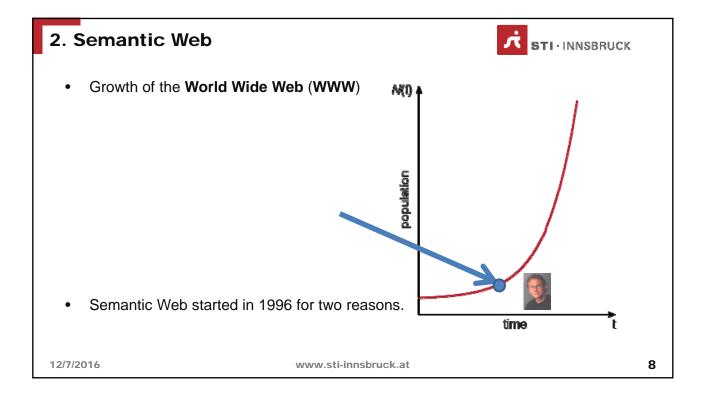


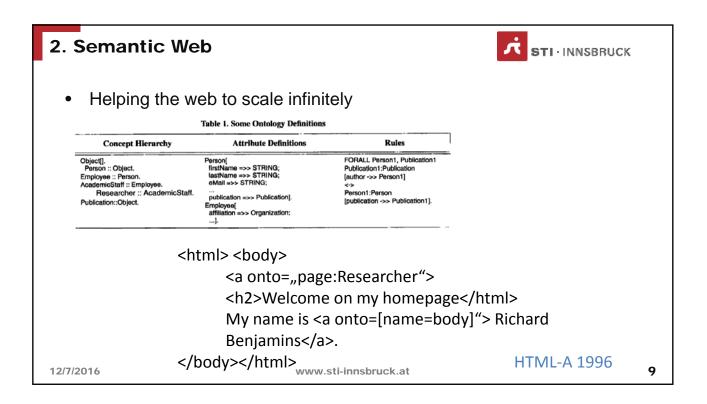


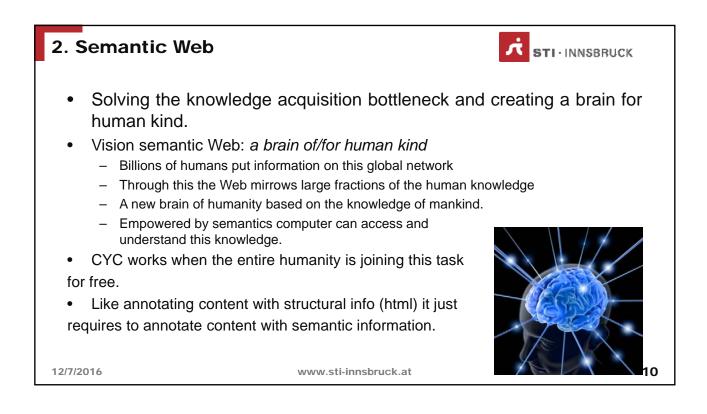




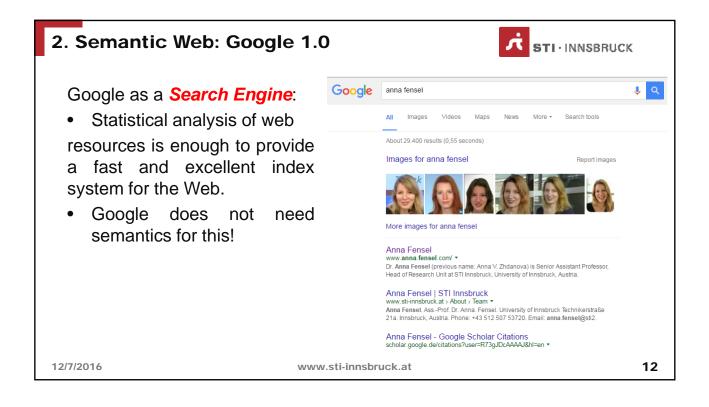


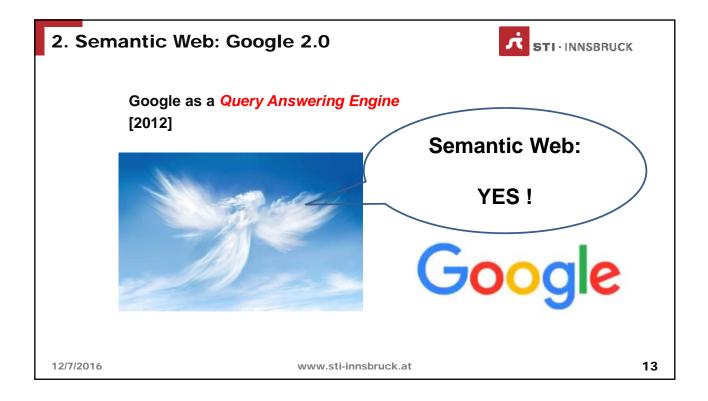




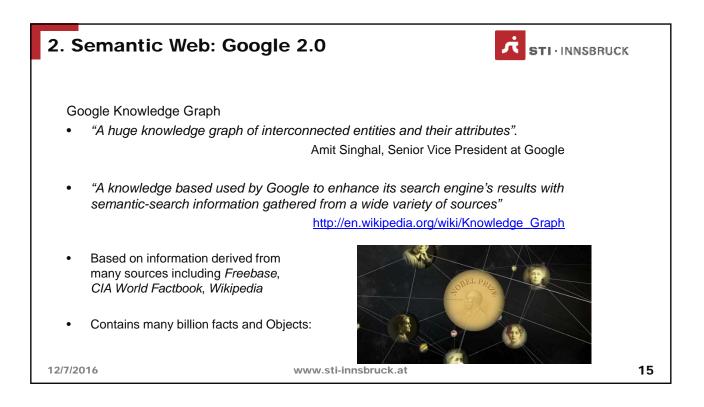


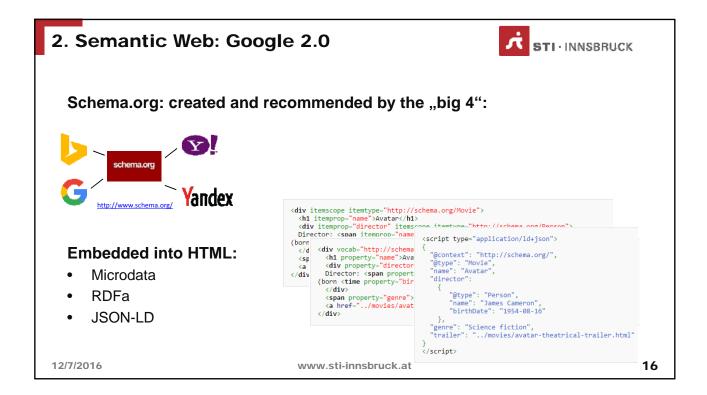




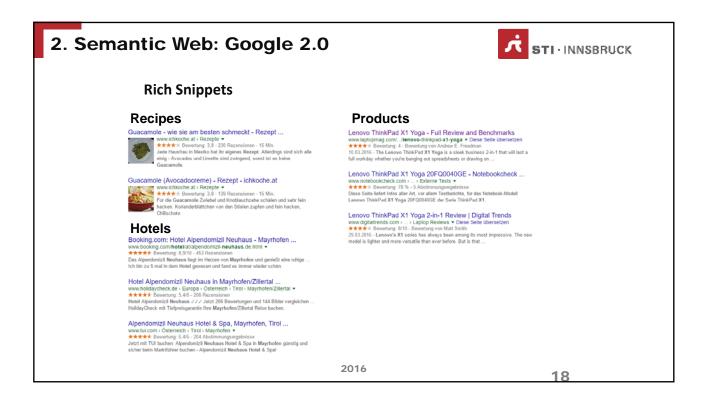




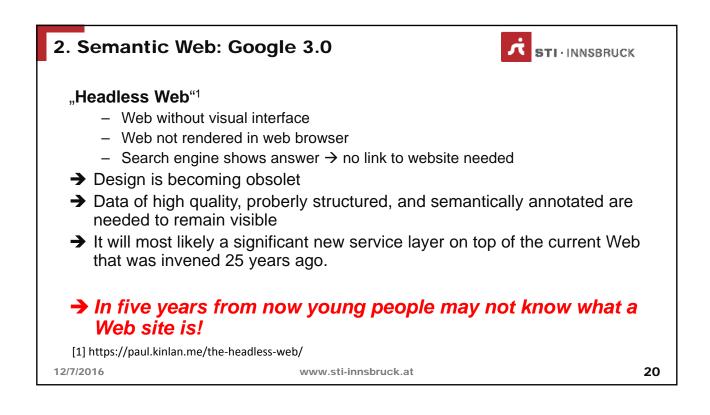


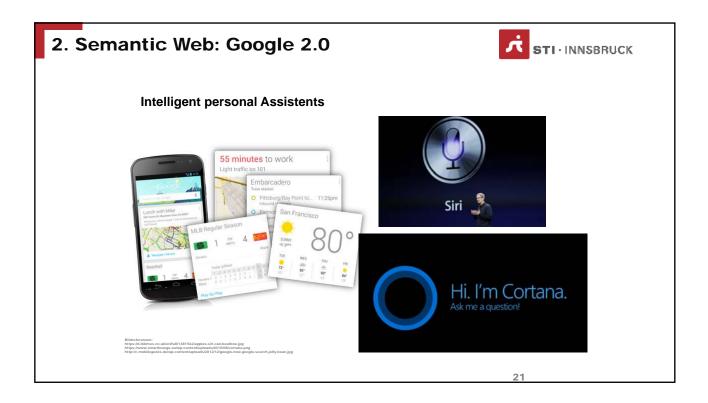




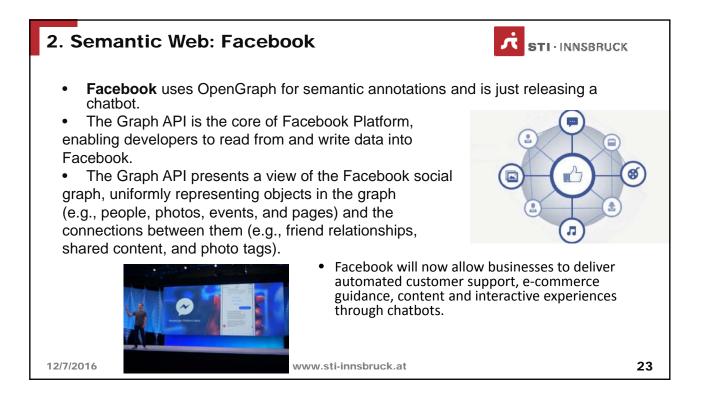


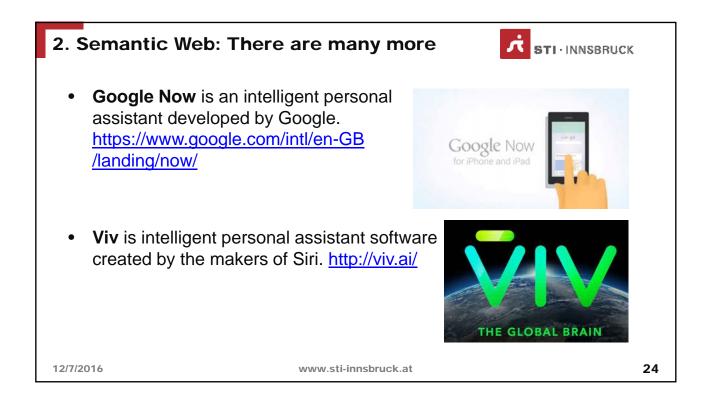




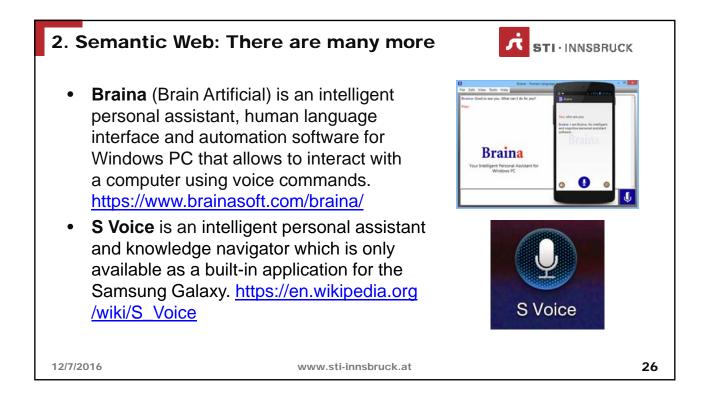


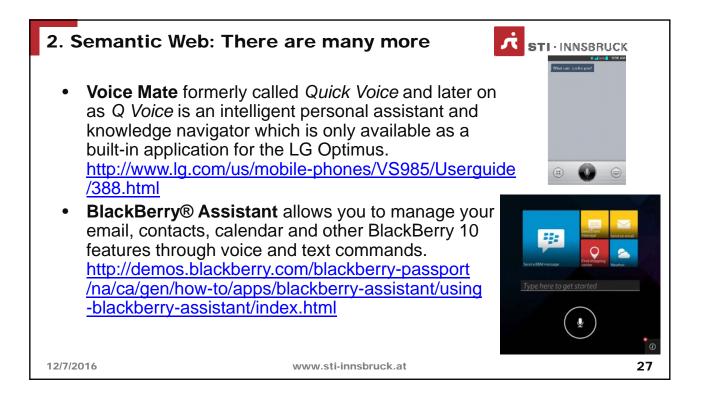


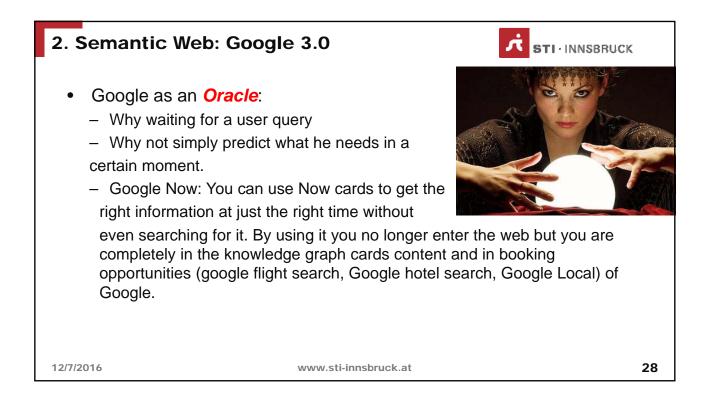




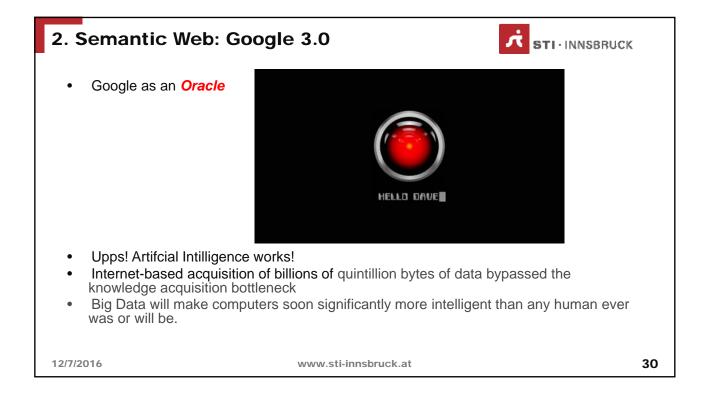


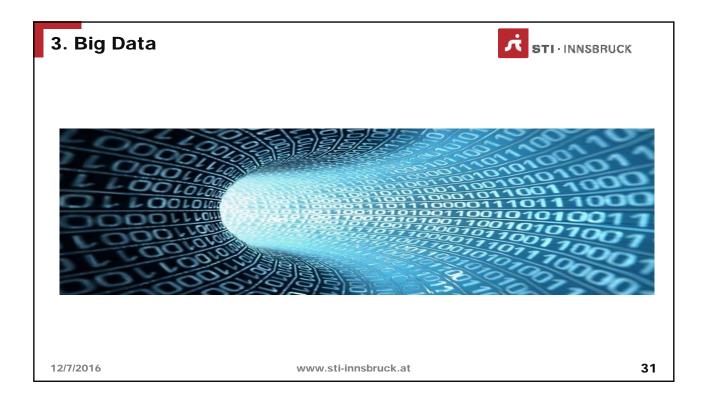


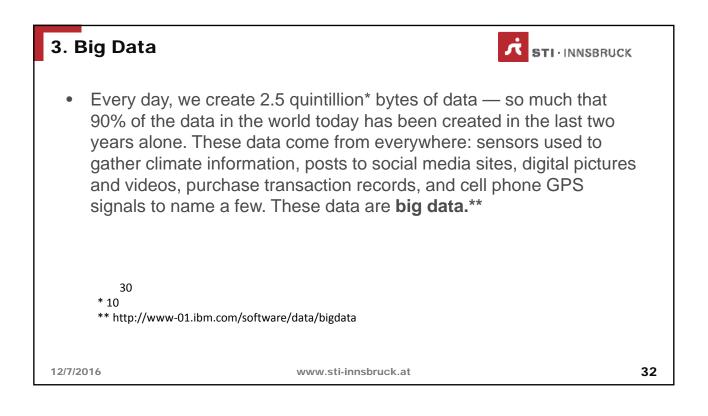


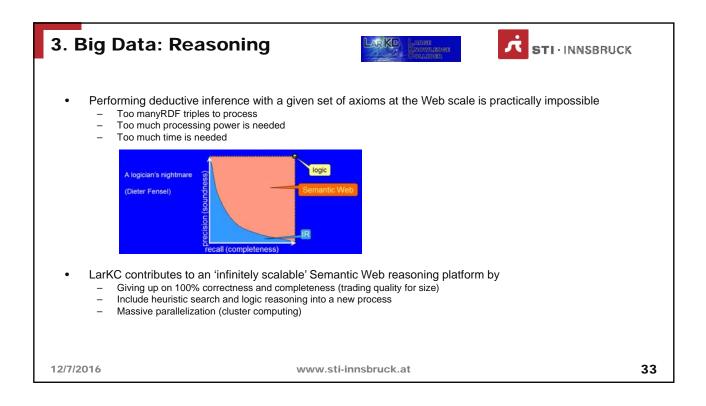


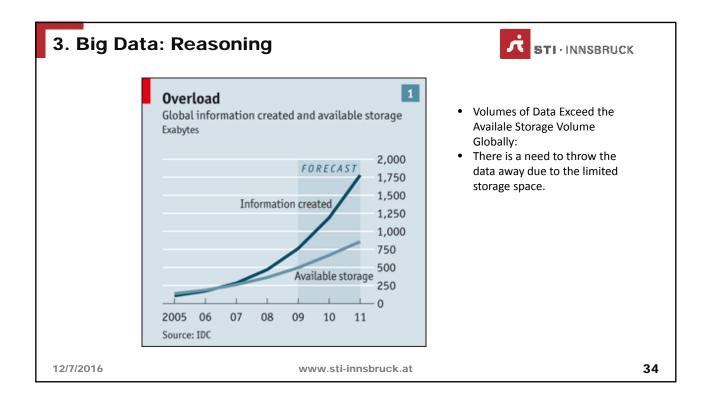
2. Semantic Web: Google 3.0 Assume you arrive in London and your connection flight is cancelled plus it was the last one this day. Your phone rings and - offer you a hotel room at the airport with a special offer - Informed your bussiness contacts about your delay - Selected a flight for tomorrow Offer to book a table in a restaurant nearby that fits _ your food preferences and budget What does it need to know Your location Your flight bookings – Your preferences Your emails and appointments Airport information Hotel information 12/7/2016 www.sti-innsbruck.at

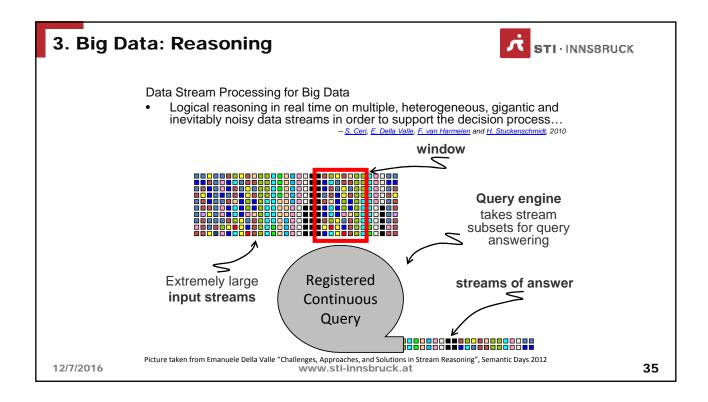


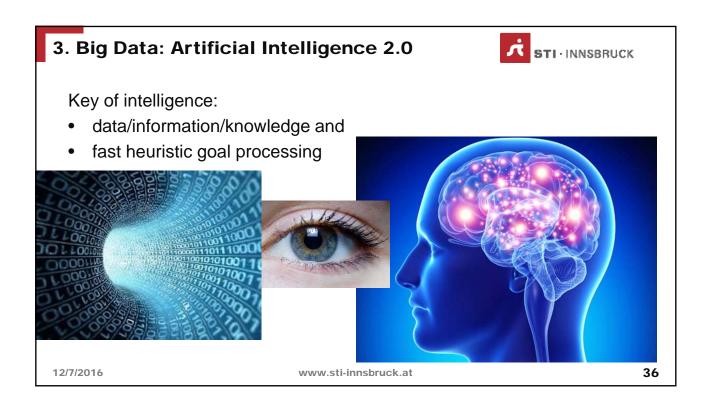


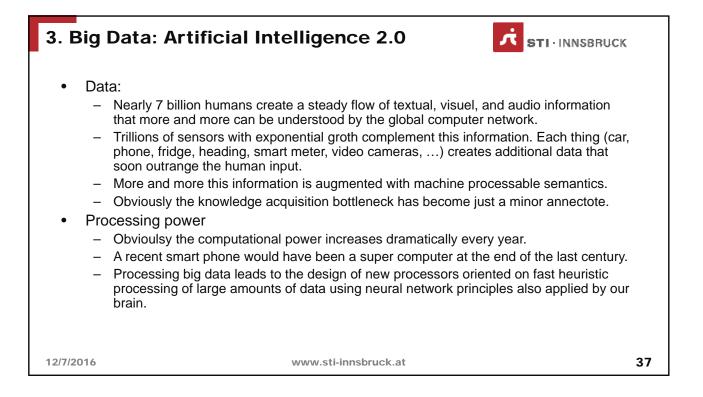


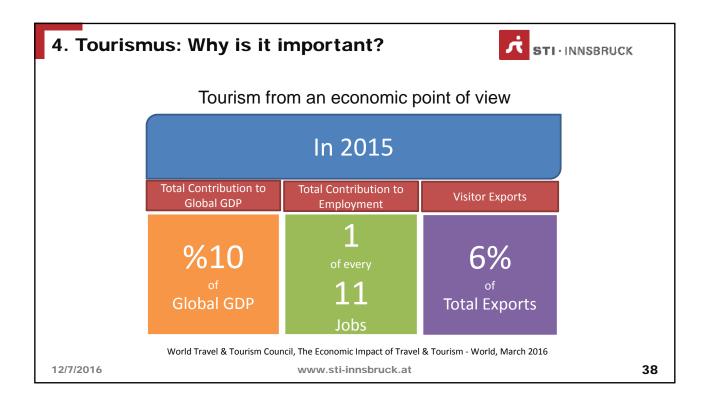


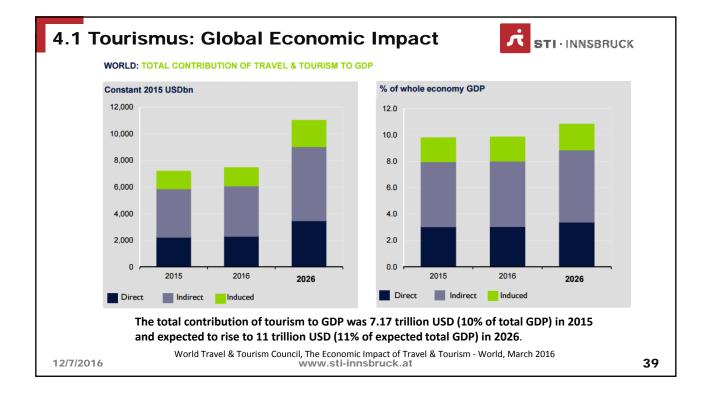


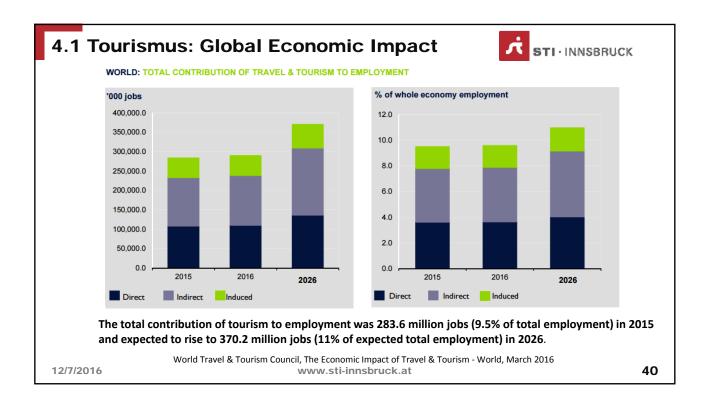


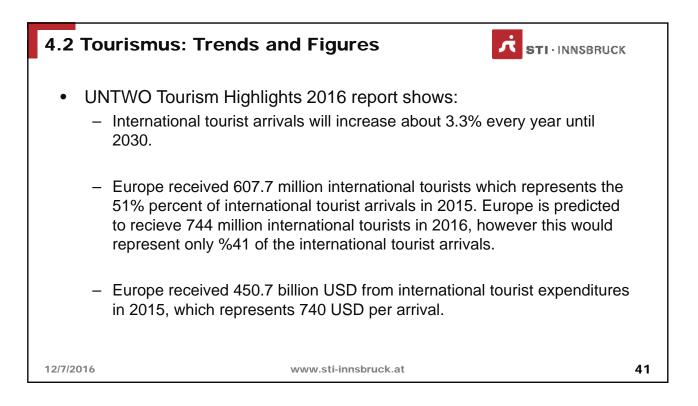




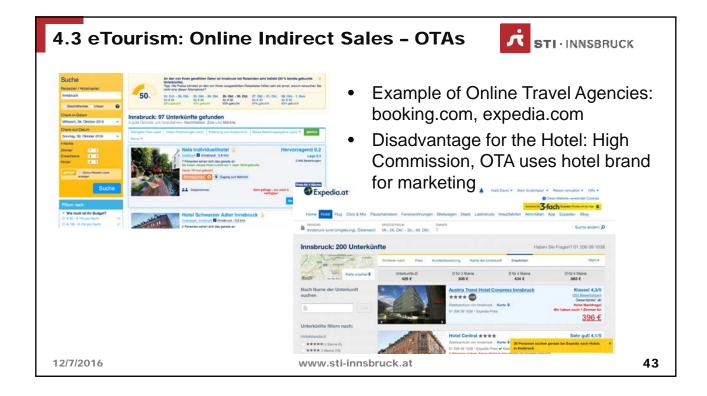


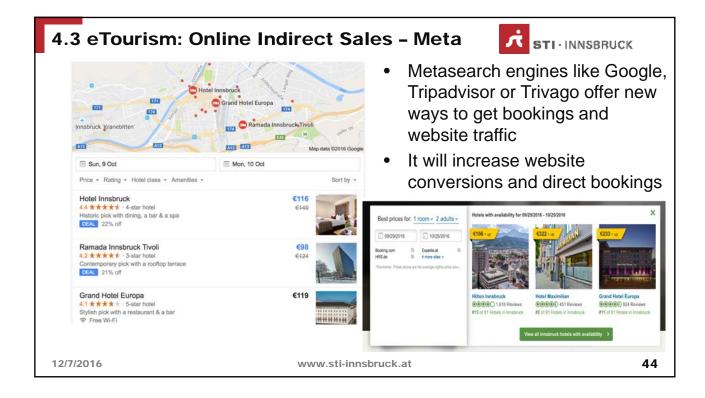


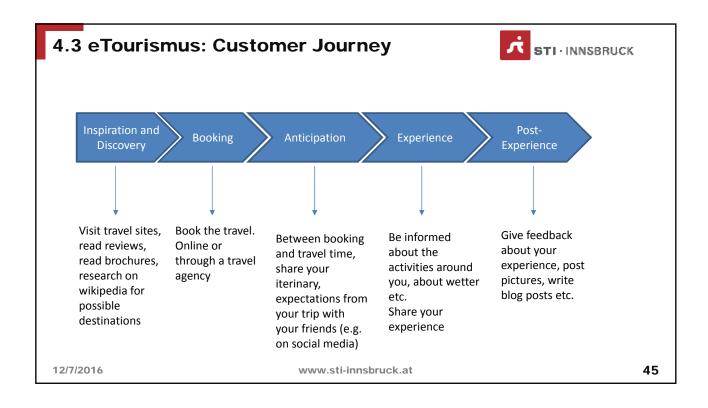


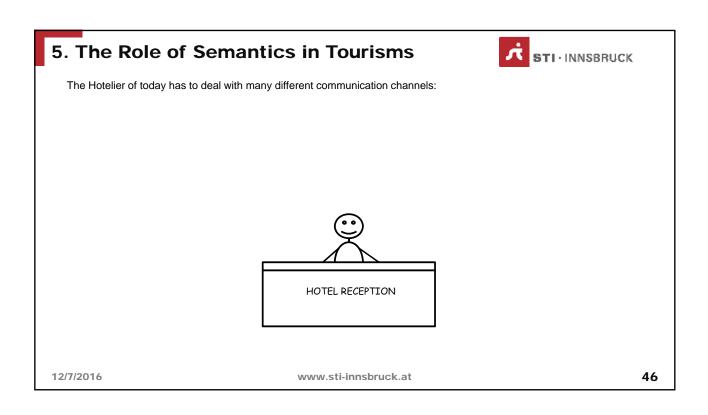


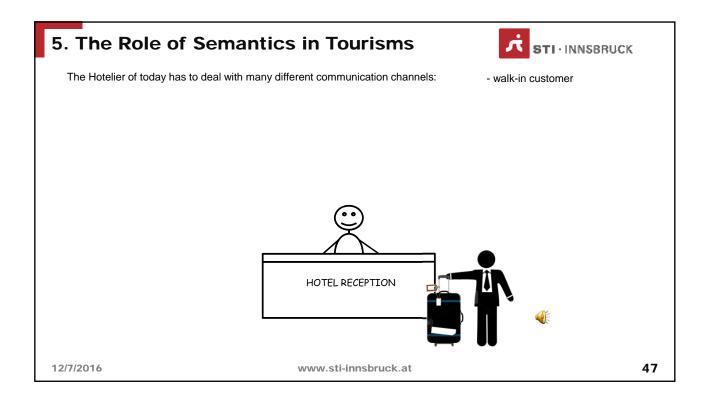


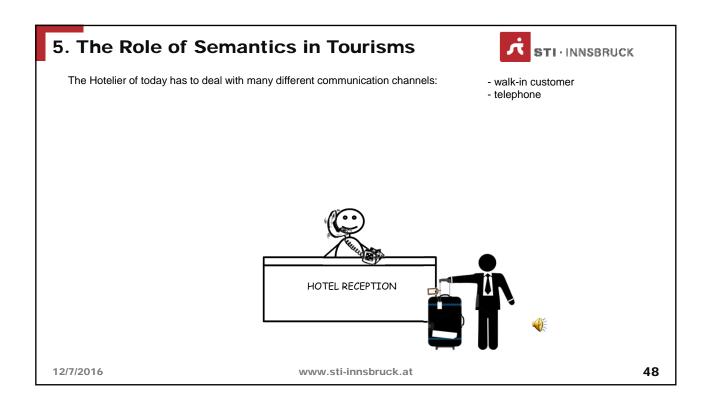


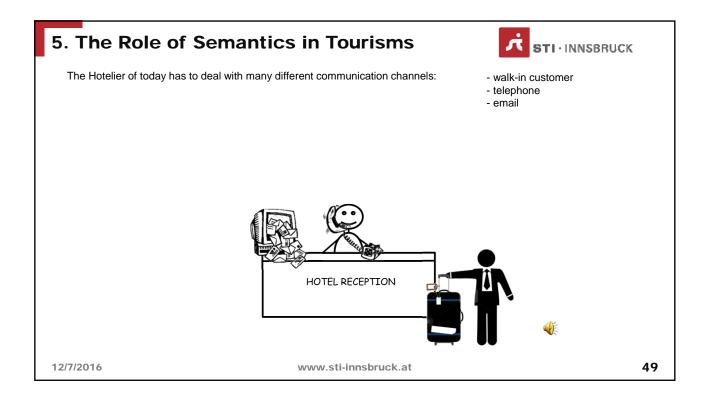


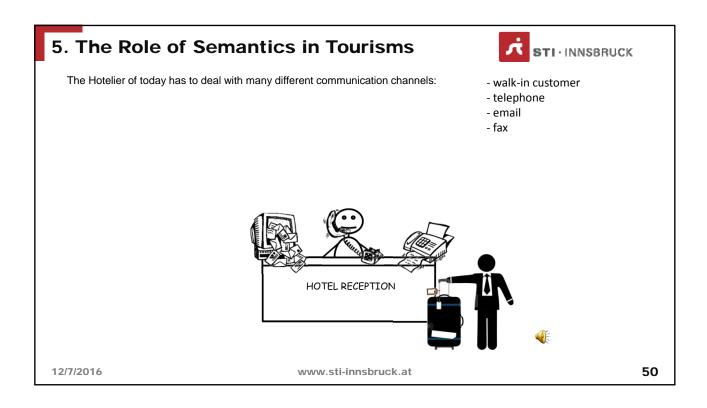


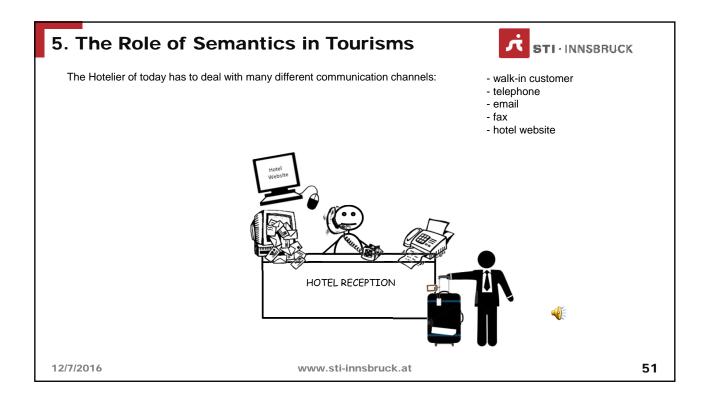


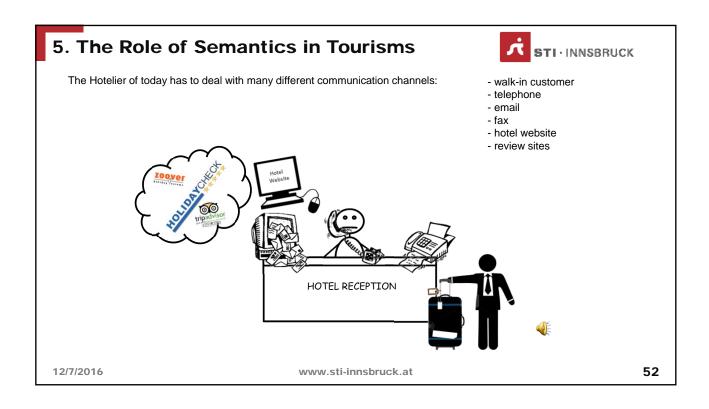


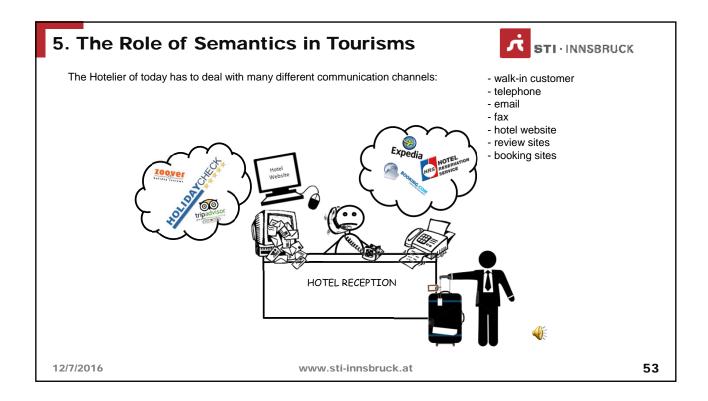


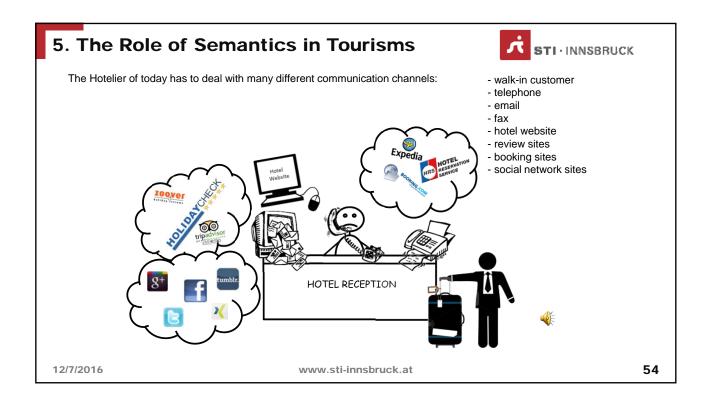


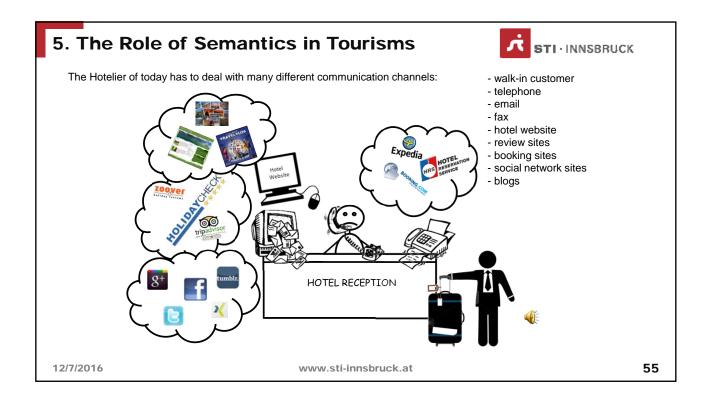


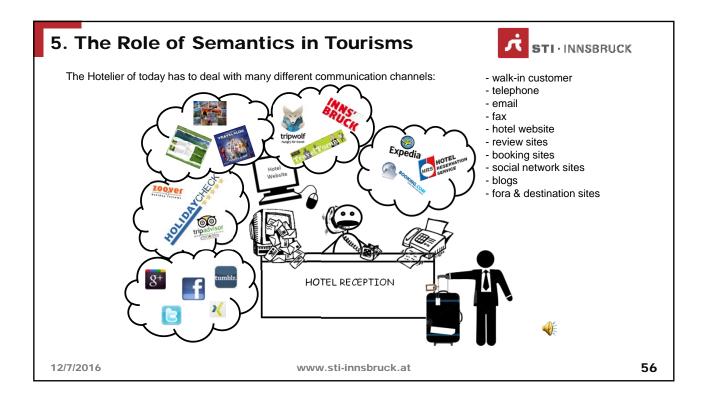


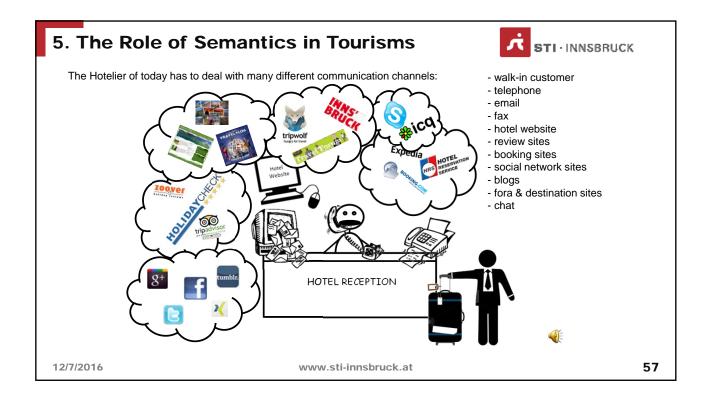


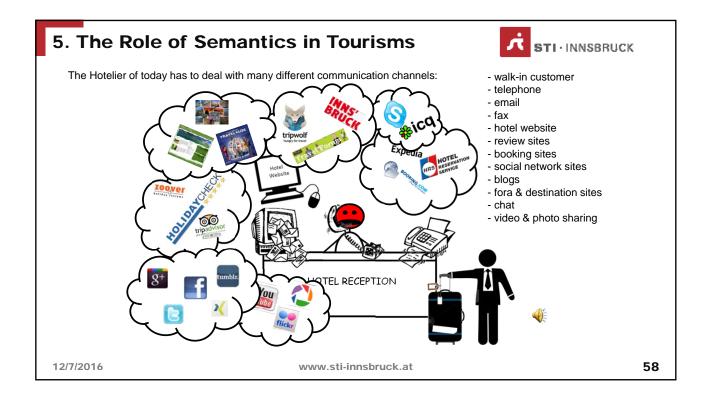


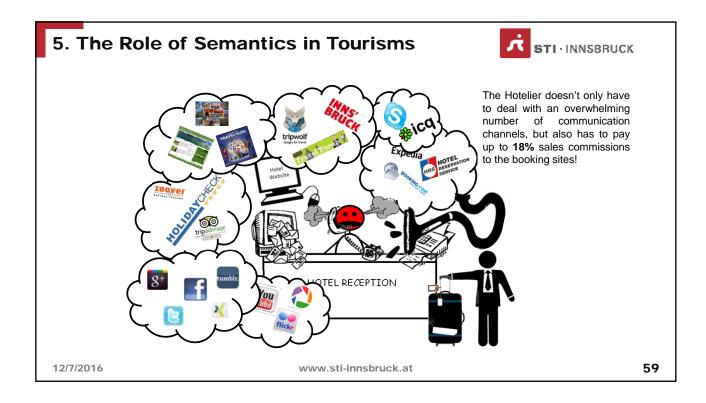


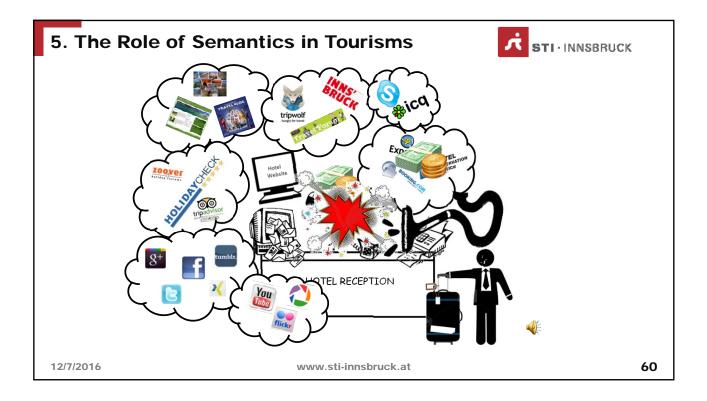






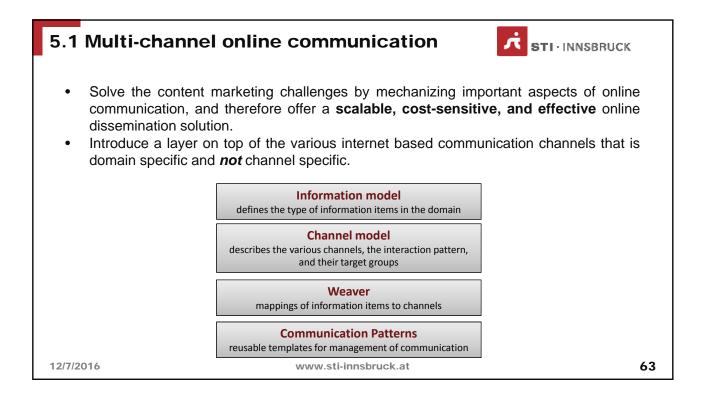


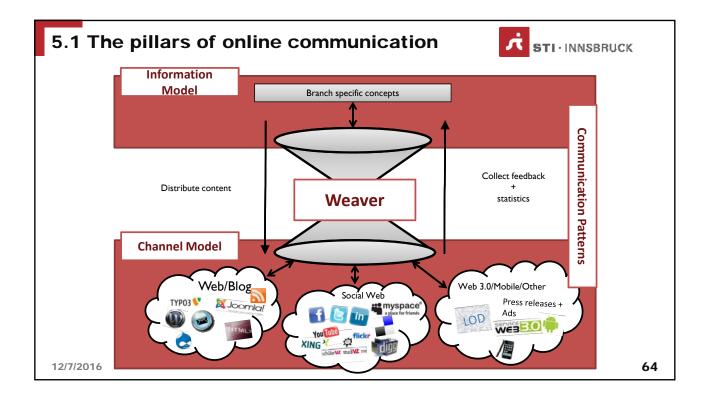




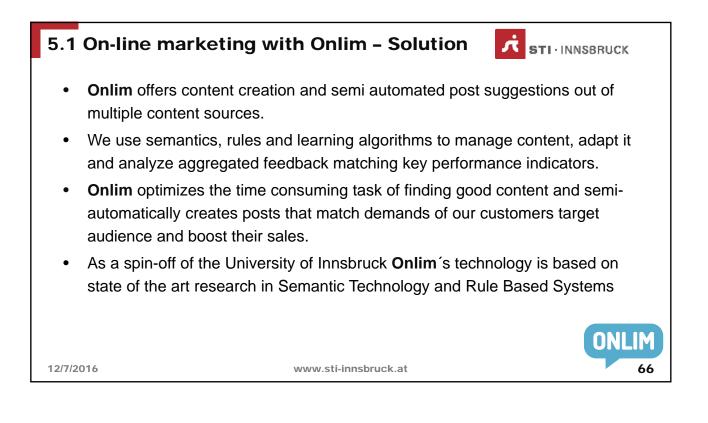


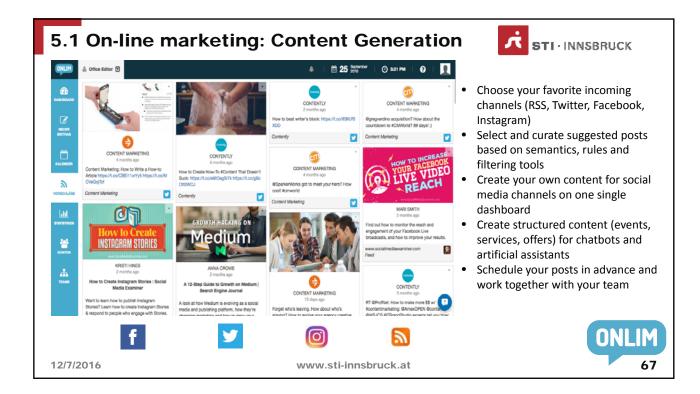




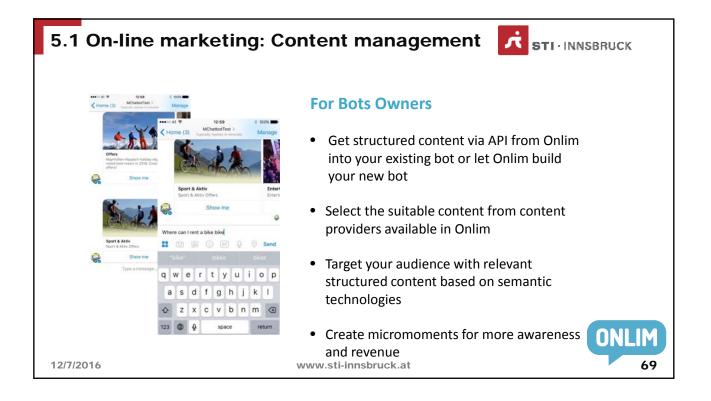


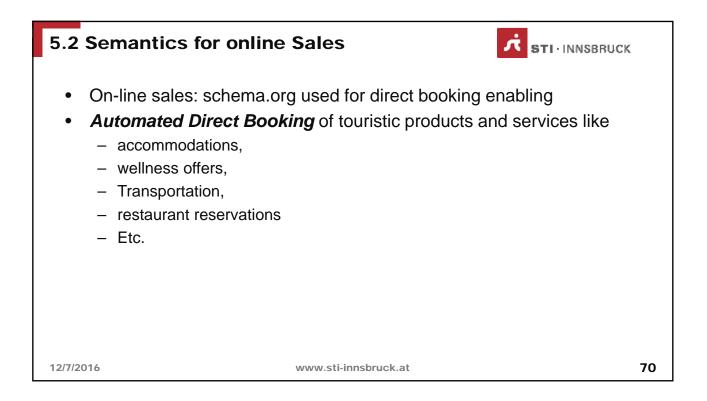


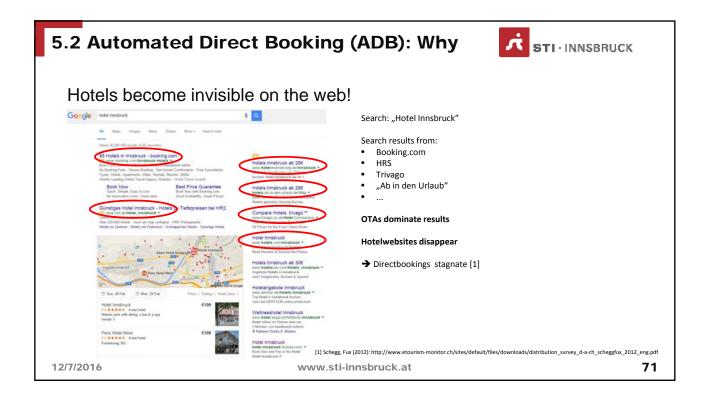


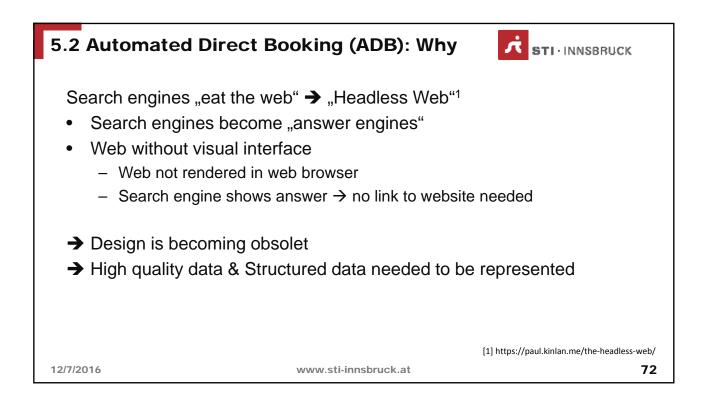


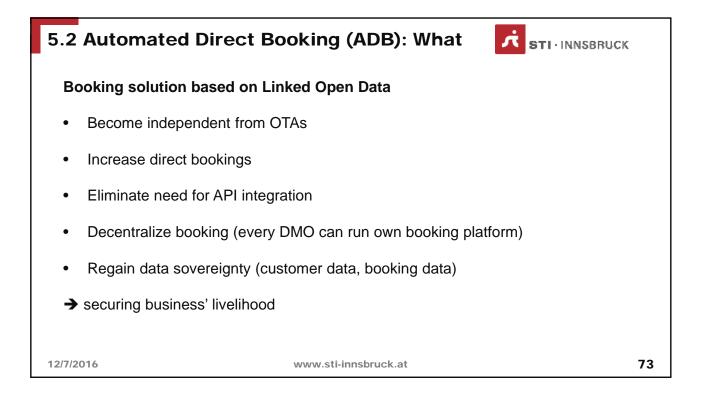


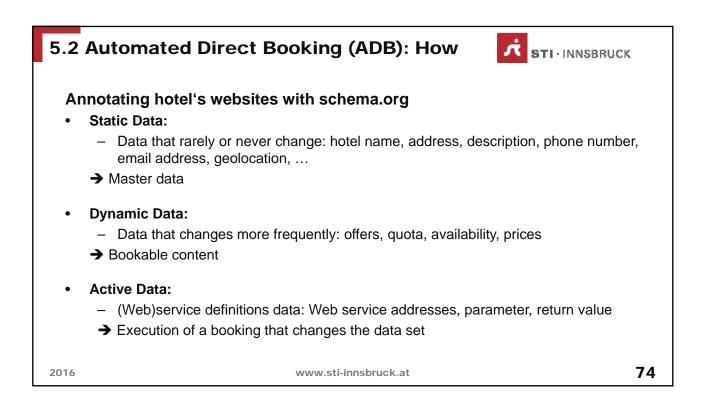








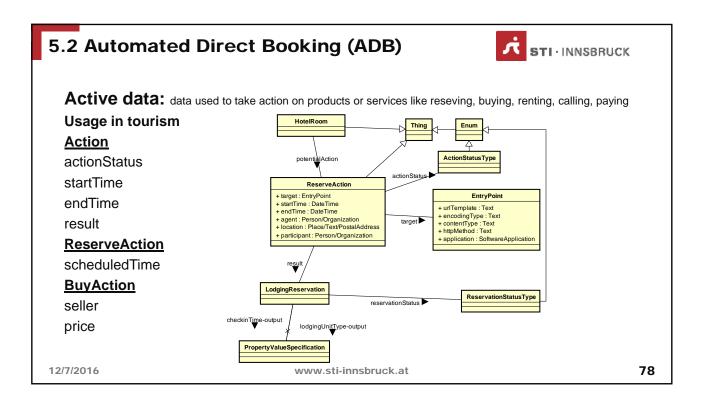




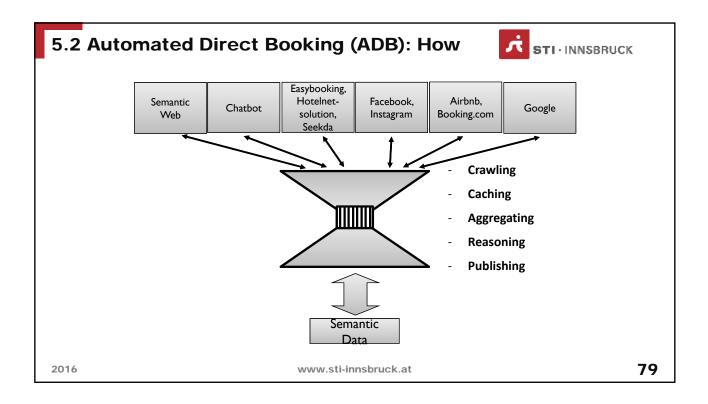
5.2 Automated Direct Booking (ADB)						
Static data: Hotel's/Business' co Usage in Tourism:	re data. Mostly unchangable $ ightarrow$ static					
LocalBusiness name address email telephone desctiption openingHours	Restaurant serversCuisine starRating SkiResort currenciesAccepted openinHours					
Hotel audience availableLanguage currenciesAccepted petsAllowed starRating	<u>TaxiService</u> areaServed <u>BarOrPub</u> accepteReservations menu					
12/7/2016	www.sti-innsbruck.at	75				

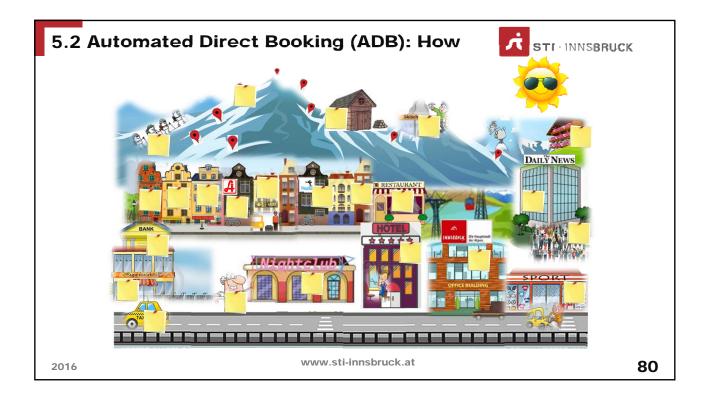
5.2	Automated Direct Booking (ADB)	
0.	tie date everyples ICON I D	
518	atic data example: JSON-LD	
1.{		
2.	"@context": "http://schema.org/",	
3.	"@type": "Hotel",	
4.	"@id": "http://www.landgasthof-adler.at",	
5.	"name": "Landgasthof Adler",	
6.	"currenciesAccepted": "EUR",	
7.	"openingHours": "We-Mo 10:00-20:00",	
8.	"paymentAccepted": "Cash, credit card",	
9.	"priceRange": "€5 - €35",	
10.	"address": {	
11.	"@type": "PostalAddress",	
12.	"addressCountry": "Austria",	
13.	"addressLocality": "Hinterhornbach",	
14.	"addressRegion": "Tirol",	
15.	"postalCode": "6642",	
16.	"streetAddress": "Hinterhornbach 17"	
17.	},	
18.	"email": "Office@landgasthof-adler.at",	
19.	"telephone": "+435632318",	
20. 21.	"description": "Landgasthof Adler, Tiroler Wirtshaus, Hinterhornbach. Tiroler spezialitäten und Zimmer im Herzen der Allgäu "url": "http://www.landgasthof-adler.at",	an Alb
21.	un:: http://www.ianugasthof-adler.at./wp-content/uploads/2014/07/Terrasse.jpg".	
22.	<pre>image = inttp://www.tangastnor-adie.at/wp-content/upioaus/2014/0//ierrasse.jpg ; "petsAllowed": "True",</pre>	
23.	"audience":"Families, Hikers, Bikers, all audiences",	
24.	avoience - ramarizers, fixers, bleets, all avoiences, "availableLanguage": "Deutsch, English, Francais, Italiano",	
26.	"aggregateRating": {	
27.	"@type": "AggregateRating", www.sti-innsbruck.at 7	4
28.	"ratingValue": "5", www.sti-initibilitick.at	5

5.2 Automated Direct Booking (ADB)						
Dynamic data: fr	equently changing data -	time c	lependent			
Usage in tourism	Example: JSON-LD	93. 94. 95.	" "checkinTime":"15:00", "checkoutTime":"11::00",			
<u>Hotel</u>		96. 97.	<pre>"makesOffer": { "@type": "Offer",</pre>			
Offer		98. 99. 100.	"availability": "InStock", "name": "Enzian Room", "itemOffered": {			
availability		101.	<pre>"@type": ["HotelRoom", "Product"], "bed": {</pre>			
availabilityStarts		102. 103. 104.	<pre>Ded : { "@type": "BedDetails", "numberOfBeds": 1</pre>			
availabilityEnds		105. 106.	<pre>}, "description": "Double Room with Shower",</pre>			
price		107. 108.	"name": "Enzian Room", "numberOfRooms": 1,			
checkinTime		109. 110.	<pre>"occupancy": { "@type": "QuantitativeValue",</pre>			
checkoutTime		111. 112. 113.	<pre>"maxValue": 2, "minValue": 1 }</pre>			
		113. 114. 115.	}, "price":"123â,¬",			
		116. 117.	"availability":"InStock", "availabilityStarts": "2016-10-01",			
2/7/2016		118. 119.	<pre>"availabilityEnds": "2016-10-31" },</pre>	77		



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5.2 Automa	ated Direct Booking (ADB): How
 Accommodat Events Mayrhofen R Press release Ski Areas TVB Mayrhof Infrastructure 	ren den de la companya de la compa
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