

**Smart Tourism
the networked future**

destination ecosystems
disruption and reengineering
agility & competitiveness

Professor Dimitrios Buhalis
Head of Department Tourism and Hospitality
Bournemouth University

www.bournemouth.ac.uk/tourism
www.buhalis.com

#Buhalis #BUeTourism

www.bournemouth.ac.uk

Professor Dimitrios Buhalis

Head of Department

Tourism and Hospitality

Bournemouth University

www.bournemouth.ac.uk

www.bournemouth.ac.uk/tourism

Tourism & Hospitality

[Search our website](#)

[Contact us](#)

[Download our latest newsletter](#)

[Staff & Staff](#)

[Bournemouth Business School](#)

[Department of Events & Leisure](#)

[Department of Sports & Physical Activity](#)

[Department of Tourism & Hospitality](#)

[Our staff](#)

[Studying with us](#)

[Postgraduate degrees](#)

[PhD](#)

[Work placements](#)

[Contact us](#)

[www.bournemouth.ac.uk](#)



<http://www.emeraldgrouppublishing.com/tr.htm>

Tourism Review

TOURISM REVIEW

Editor in Chief
Professor Dimitrios Buhalis
(since 2017)

The Editors encourage articles that explore knowledge and theory and provide an innovative future perspective that adds value to all tourism stakeholders globally.

TOURISM REVIEW PUBLISHES THREE TYPES OF PAPERS

- Research Papers (both empirical and conceptual)
- State of the Art papers (synthesis of literature)
- Cutting edge papers (short contemporary topic/ PhD research/emerging topics)

ISSN 1660-5373

www.bournemouth.ac.uk



Industry networking events and Best Professional Practice



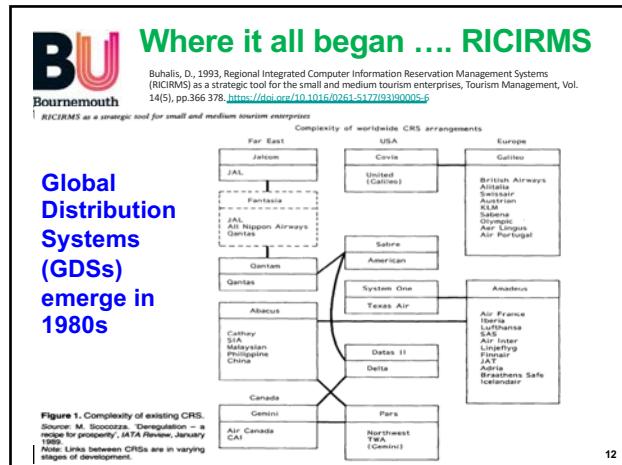
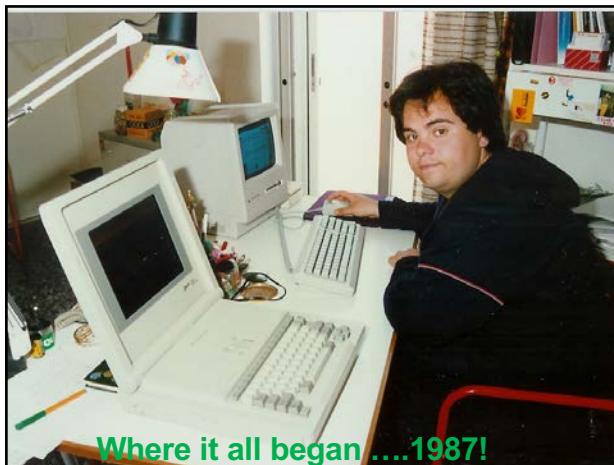
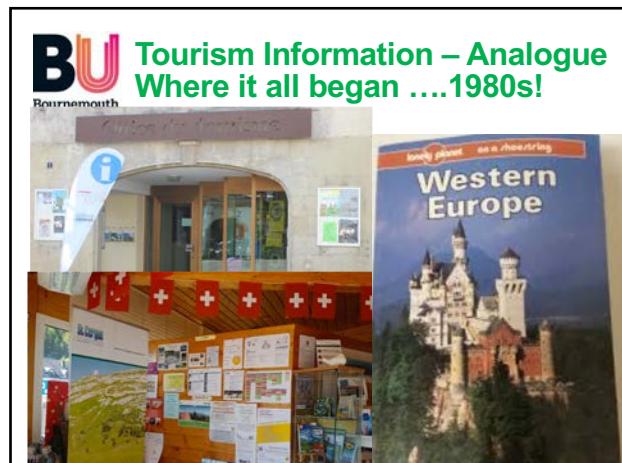
NEW EVENTS: <https://microsites.bournemouth.ac.uk/tourism/events/>

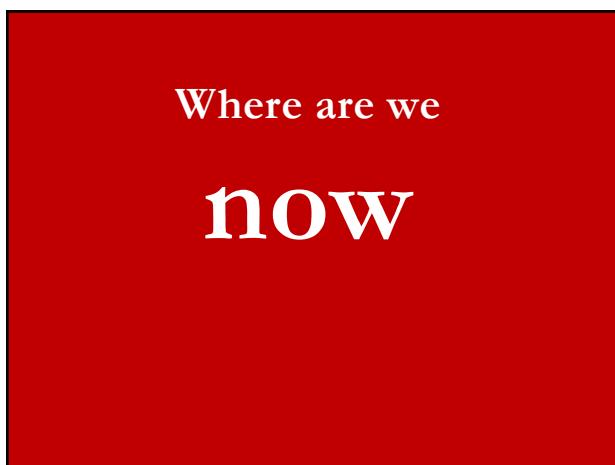
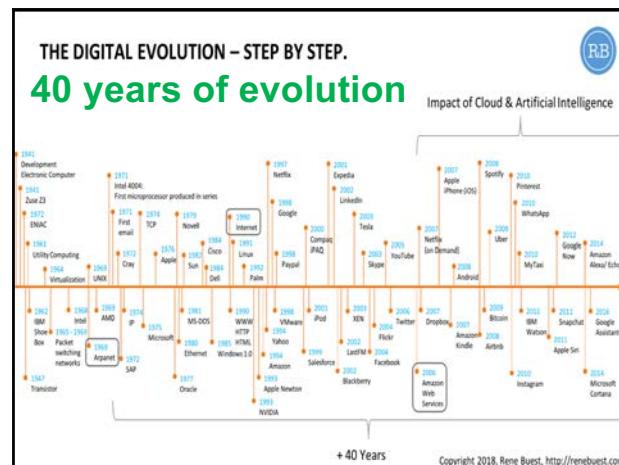
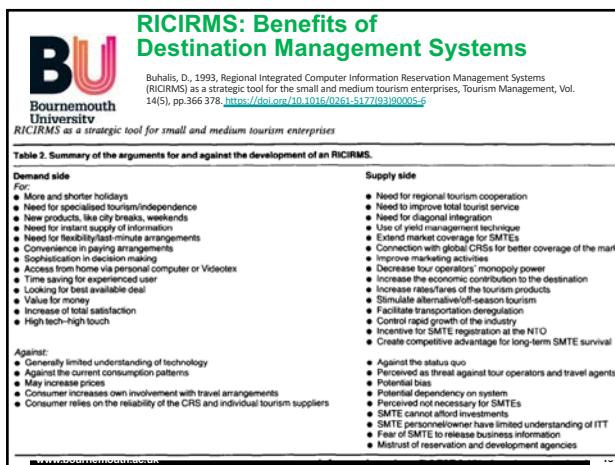
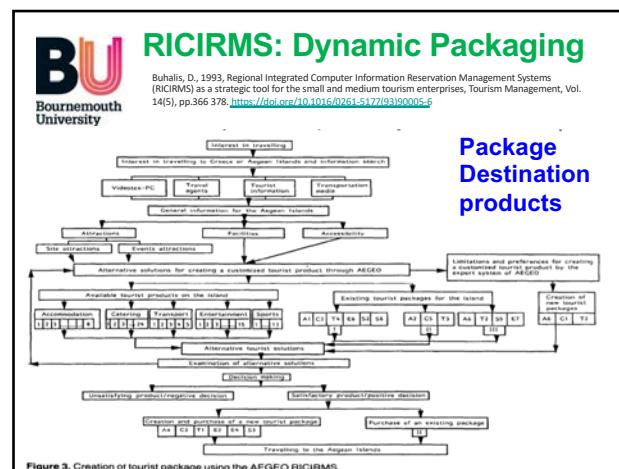
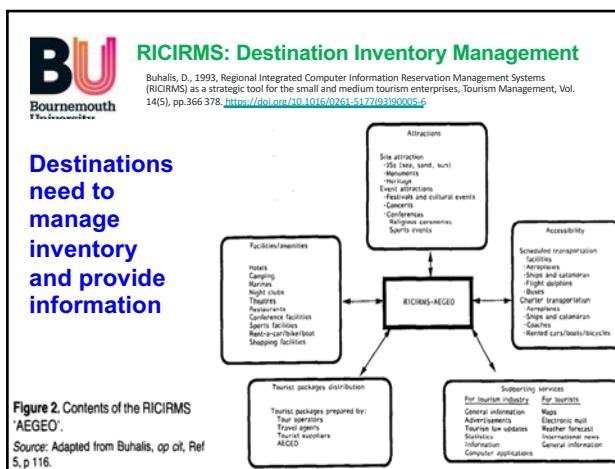
 Wed 21st November 2018
 Tourism and Hospitality @ Bournemouth University
 Employability day

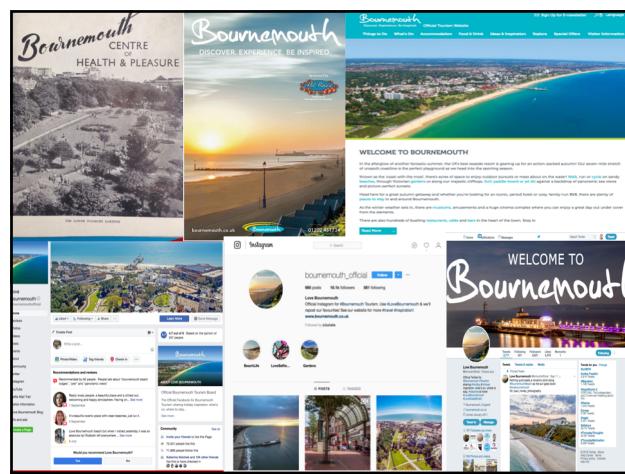
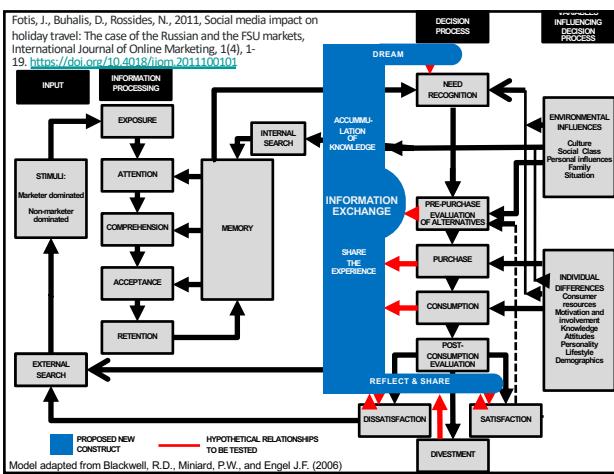
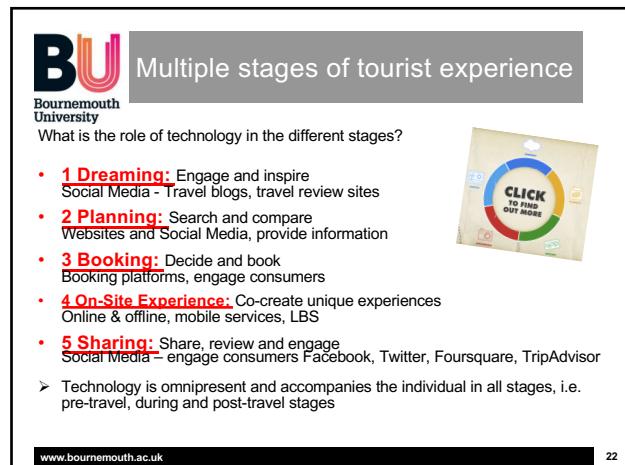
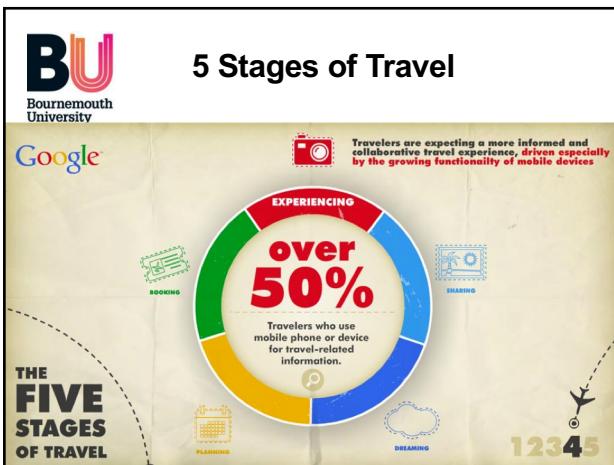
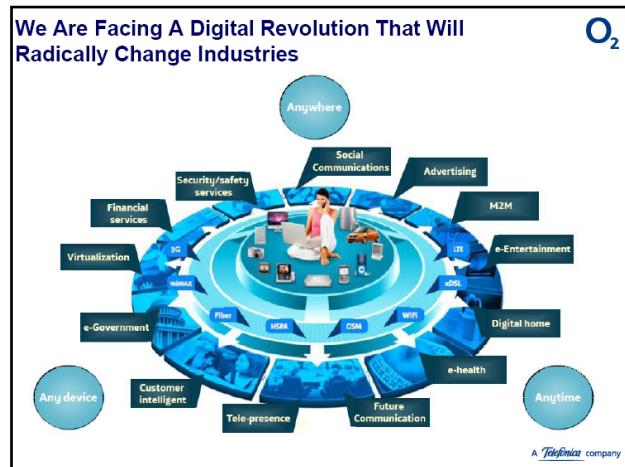
 Wednesday, 28 November 2018
 Artificial Intelligence for Tourism and Hospitality –
 IFITTtalk Bournemouth University <https://tinyurl.com/BU-IFITT-AI>

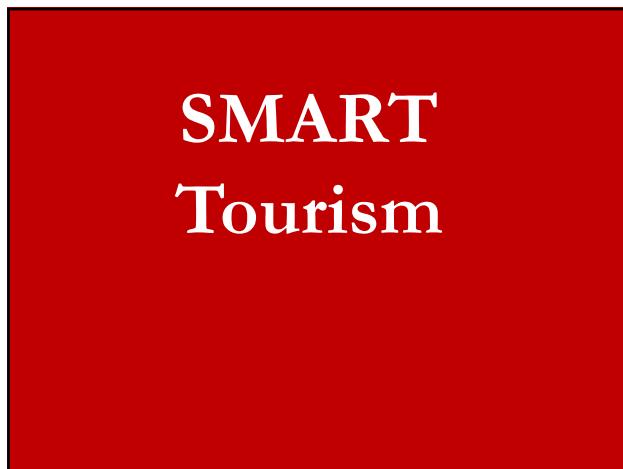
 Thursday 7- Friday 8 February 2019
 Bournemouth University Tourism & Hospitality Fusion Conference,
 Grange City Hotel London

 Monday 8- Wednesday 10 April 2019, TTRAEurope2019,
 Tourism in the era of connectivity, Bournemouth University Department
 of Tourism and Hospitality www.bournemouth.ac.uk/ttra







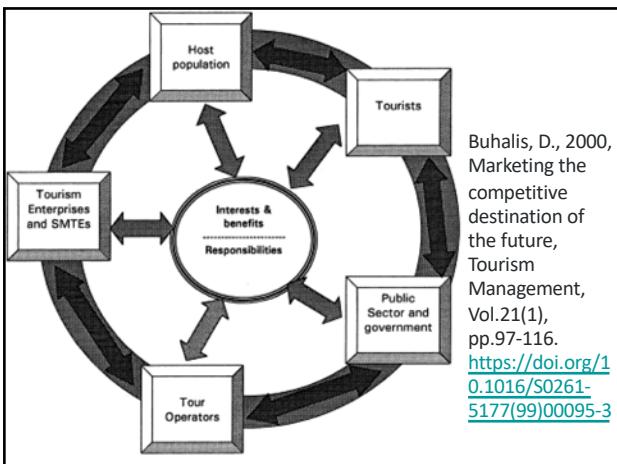
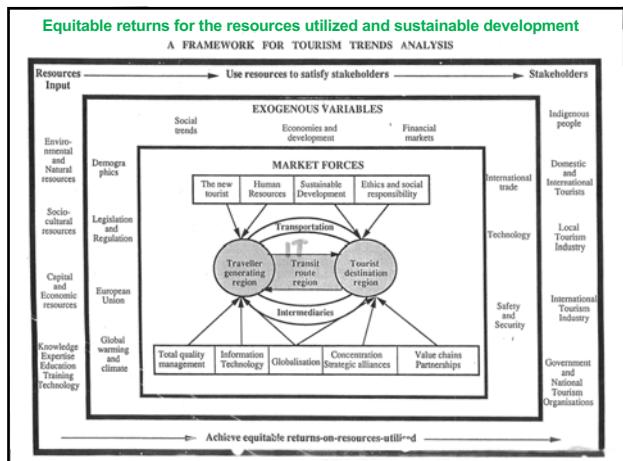


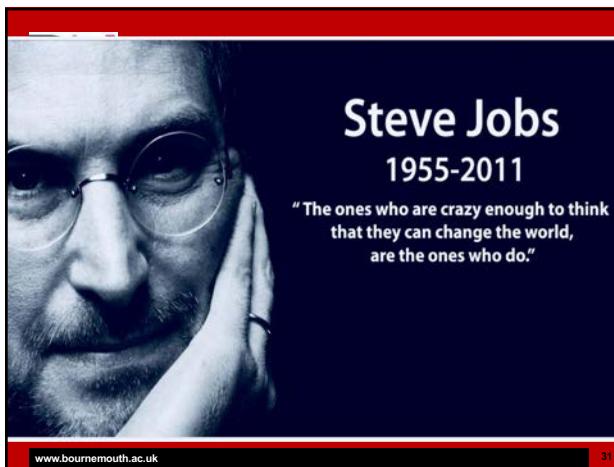
Destinations

- 1. Competitive advantage
- 2. Destination differentiation
- 3. Enhanced reputation & maintaining destination image
- 4. Nurturing new business models –Innovation & investment
- 5. Resource optimisation especially urban assets
- 6. Reimagining DMOs



Source: Kieran White





31

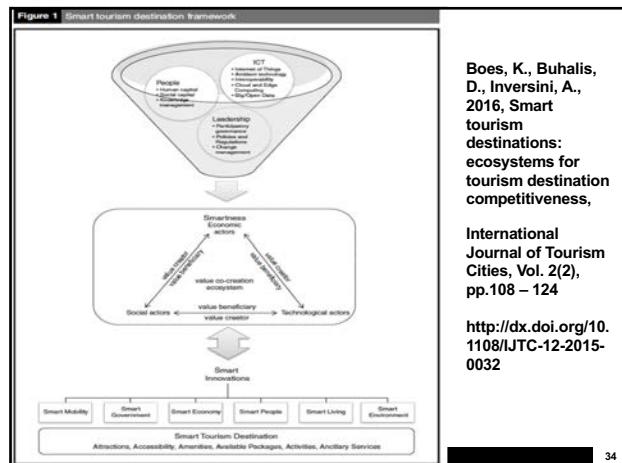


32

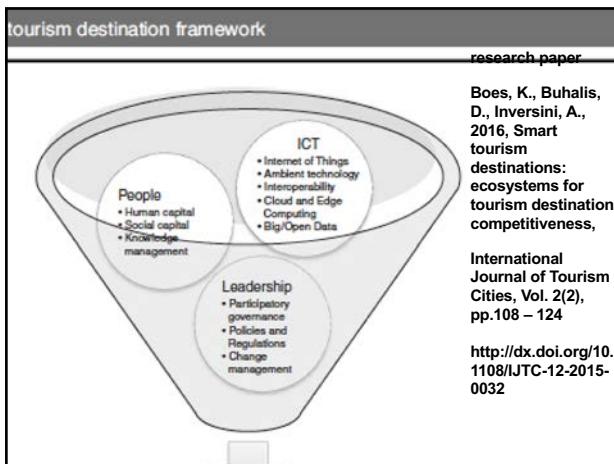
Table 2 Tourism expectation on personalised services			
Dimensions	Phases		
	Before	During	After
Transportation	1. Planning: navigation and information (duration, types of transportation, schedule and fare) 2. Recommender system: trial package and offerings 3. Time savings: booking, check-in	1. Real-time schedule 2. Personalised greetings 3. Personalised meals 4. Suggest alternative 5. Universal card	1. Feedback loop 2. Promotional update 3. Luggage finder
Accommodation	1. Planning: navigation and information (location, reviews, room type, price and surrounding events) 2. Time savings: booking and check-in 3. Personalised welcome message	1. Personalised welcome message 2. Assess guest customer performance 3. Personalising customer service 4. Room control over customer service	1. Feedback loop 2. Promotional offers 3. Maintaining engagement 4. Post customer service
Gastronomical	Information (special dietary, variety of meals, navigation, food ingredients and restaurant information)	1. Integration service 2. Real-time information: customer awareness and social context	1. Promotion 2. Prolong engagement
Attraction	1. Recommender system 2. Information provider	1. Co-creation through digital maps 2. Real-time information 3. Information on surrounding events	1. Sharing platform 2. Prolong experience 3. News update 4. Recommender system
Ancillaries	1. Navigation 2. General information 3. Instantly exchanging information		

<http://goo.gl/C6pHvw>

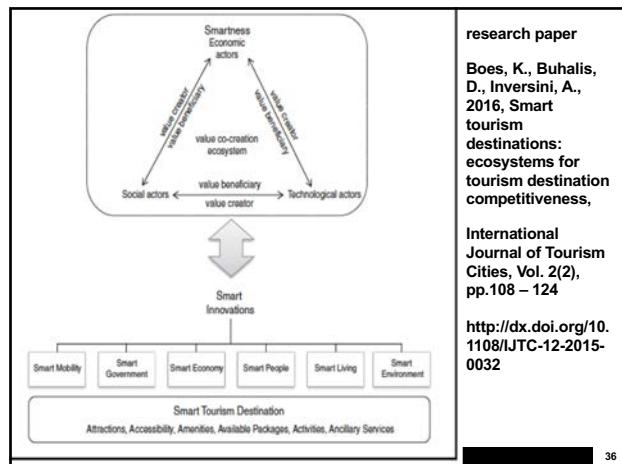
33



34



research paper



35

BU
Bournemouth University

SMART NESS

Automation and Information Technology
Digitization Evolution
Social media
Reservations

GLUE of
Interoperable and interconnected networks
mutually beneficial systems
Real time, dynamic and adaptive
Customised, individualised, contextualised
Collective competitiveness and coordination
value creation for all stakeholders

www.bournemouth.ac.uk



smartness and agility
towards value co-creation and competitiveness
building at the destination level as a network

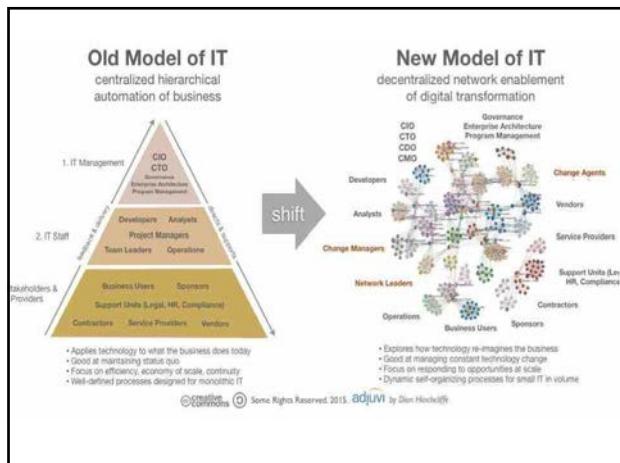
- Networks: Interoperability and interconnectivity
- Internet of Things and Internet of Everything
- Sensors and Beacons
- Big Data and Data Analytics
- Social Media, Web 2.0 and User Generated Content
- Technological enablers for the hospitality industry
- Service Dominant Logic -Value co-creation of experience
- The concepts of co-creation and competition

Data and Technology: the backbone

Internet of Things
Inter-networking & communication
Sensing information intelligently
Dynamic & heterogenous

Open Data
Freely used, re-used and re-distributed
Accessible in convenient forms
Inter-operable with other datasets

Big Data
Useful in predictive & user-behaviour analytics
High volume & variety
Real-time
Relies on Machine Learning & cloud computing
Internet of Things



Key players in Smartness

TOURISM	TECHNOLOGY	OTHER
Borders Accommodation Restaurants Entertainment Sports Retail Transport	Telecommunications Gatekeepers such as Facebook, Google and Amazon Mobile app developers Digital platform developers CCTV providers	Local Governments/Council Police Destination Management Organisation Business Improvement District Utility service providers (for example energy, water) Transport providers Banking & finance institutions Universities & Research Organisations
LOCAL RESIDENTS & TOURISTS		

NON Smart Traveller

- Confused
- Unfamiliar environment
- Barriers such as language or mobility needs

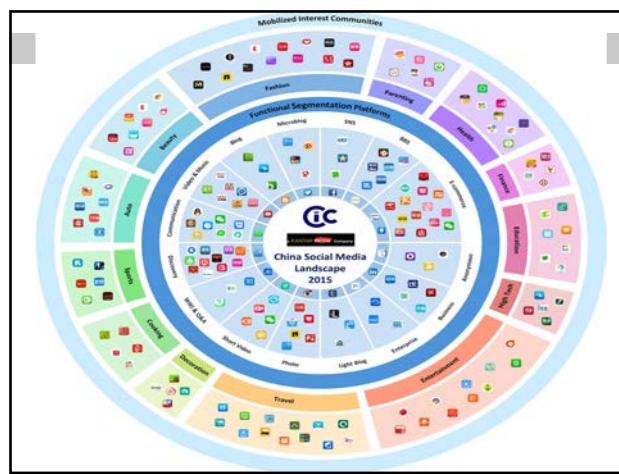
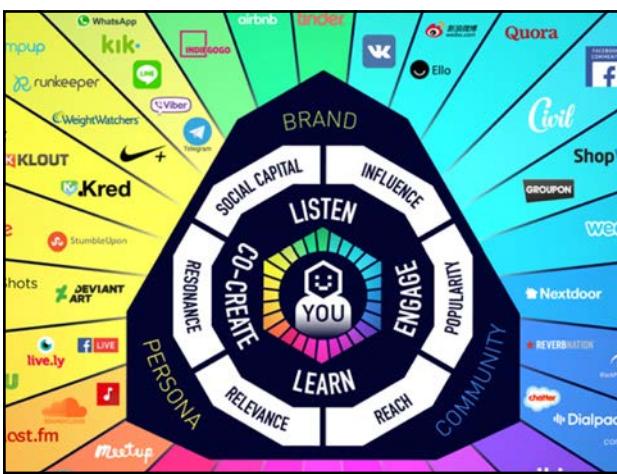
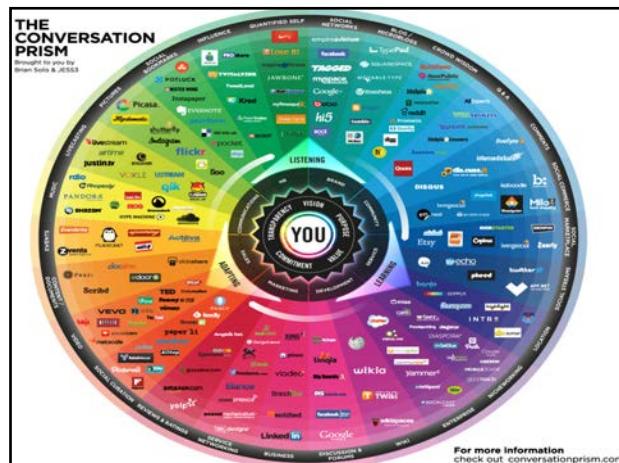
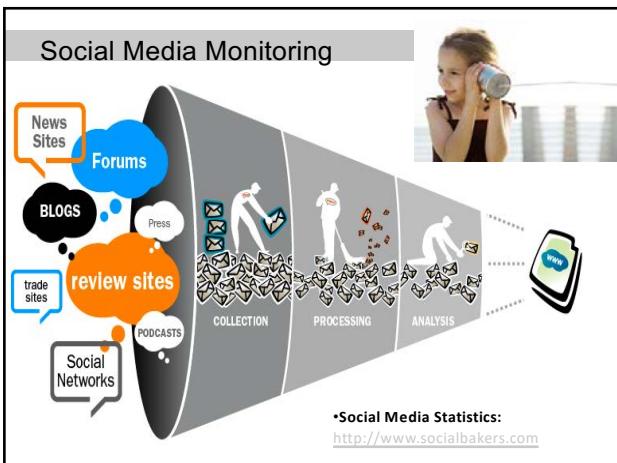
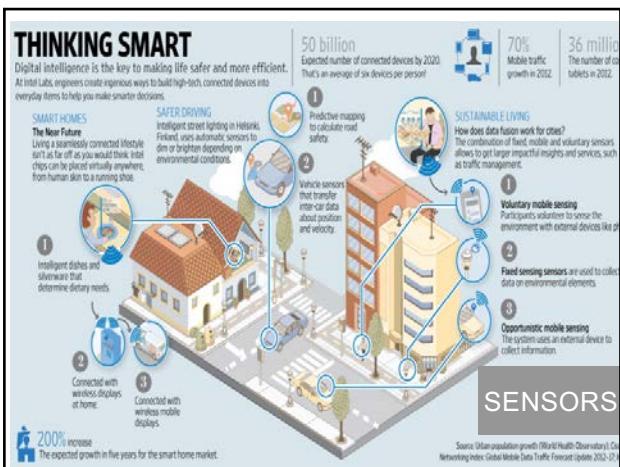
Smart Traveller

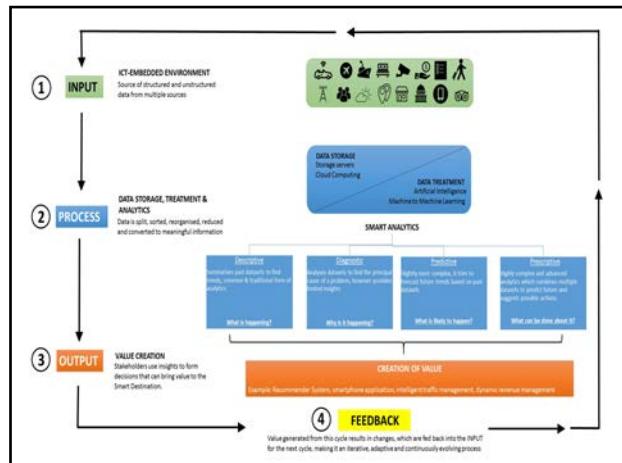
- Personalised & contextualised services
- Engage & explore
- Authentic & immersive experience
- All stages of travel

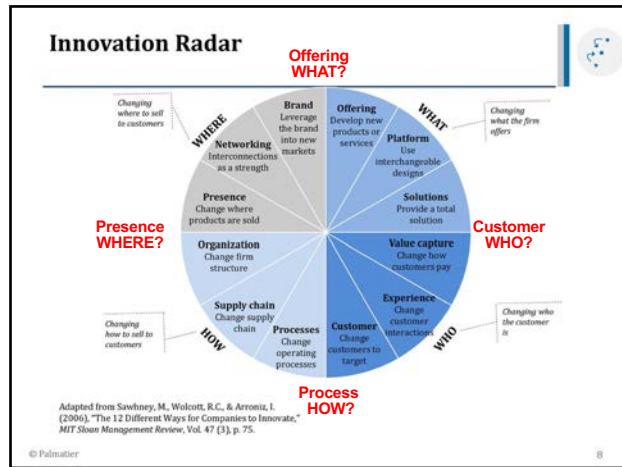
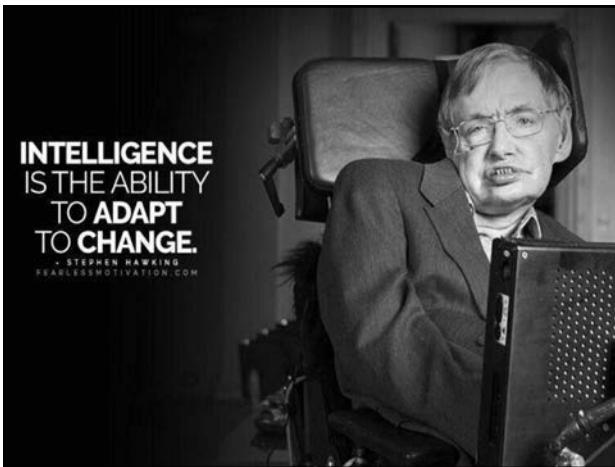
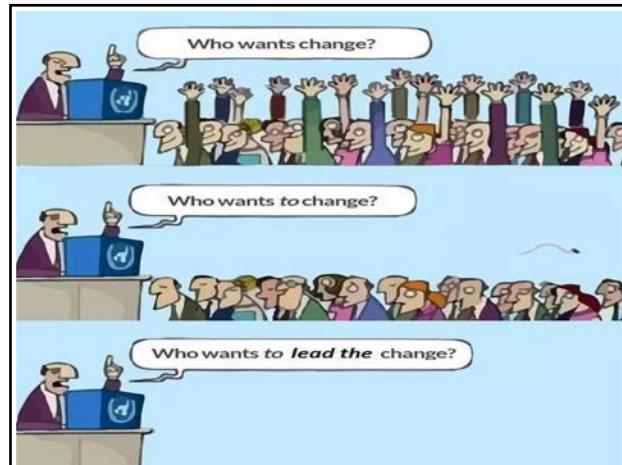
- User Generated Content
- Influence brand reputation
- Impacts destination
- World of Mouth

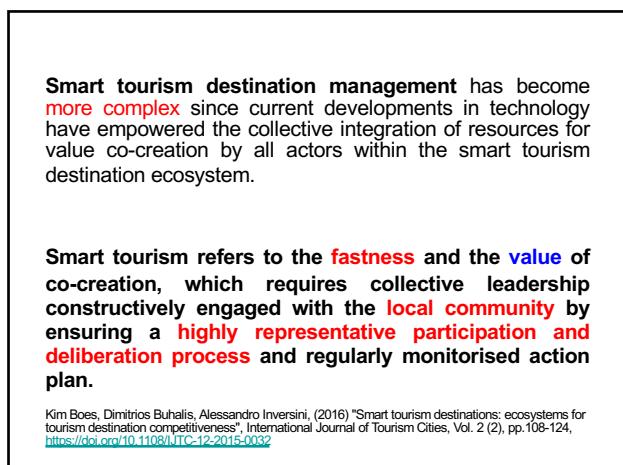
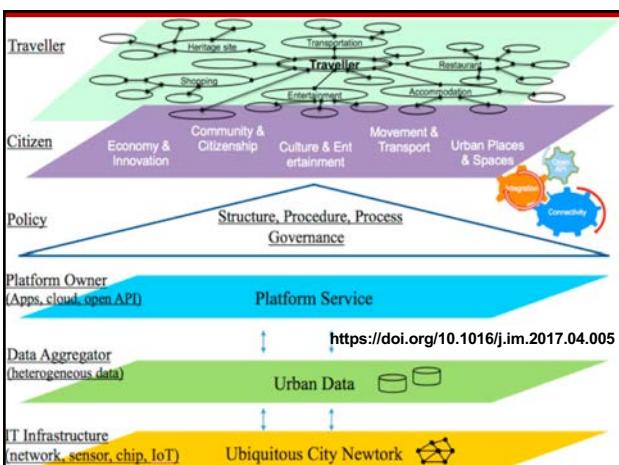
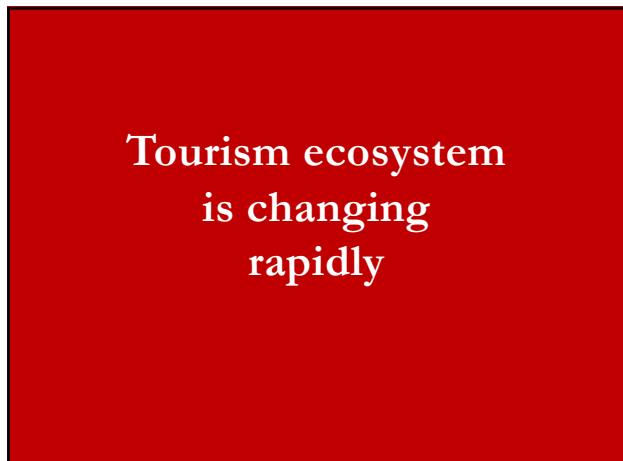
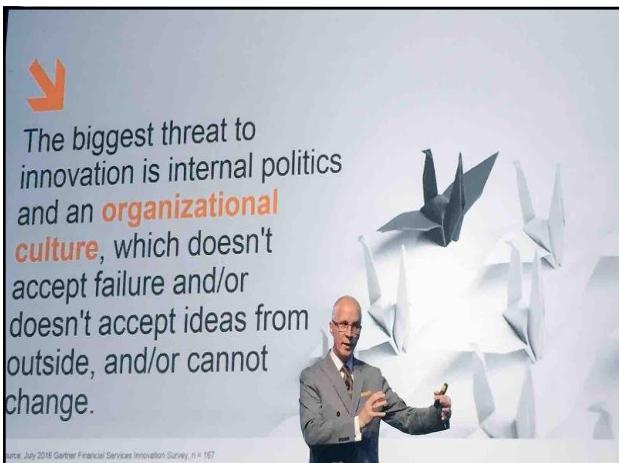
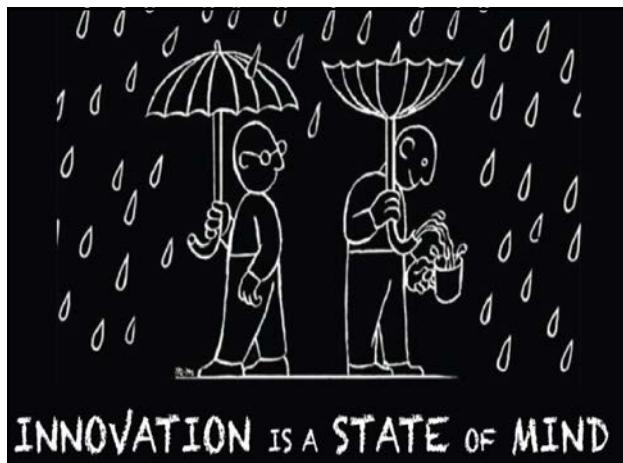
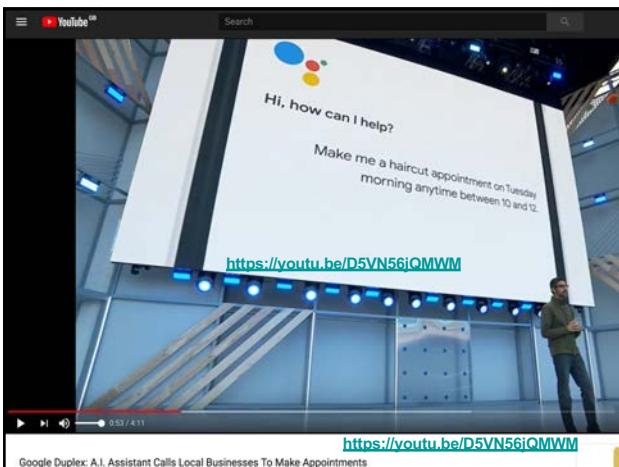
Smart Tourism Futures

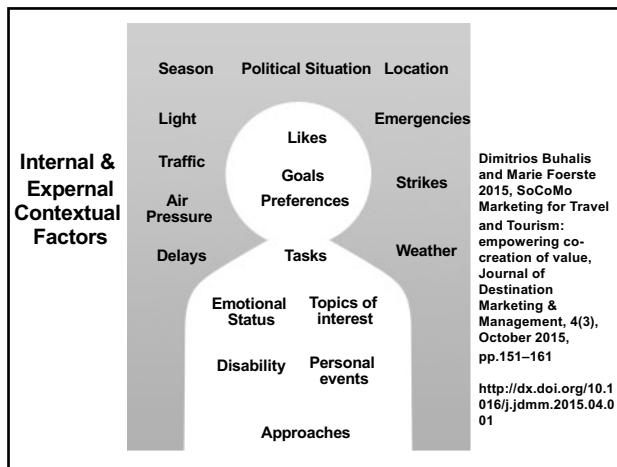
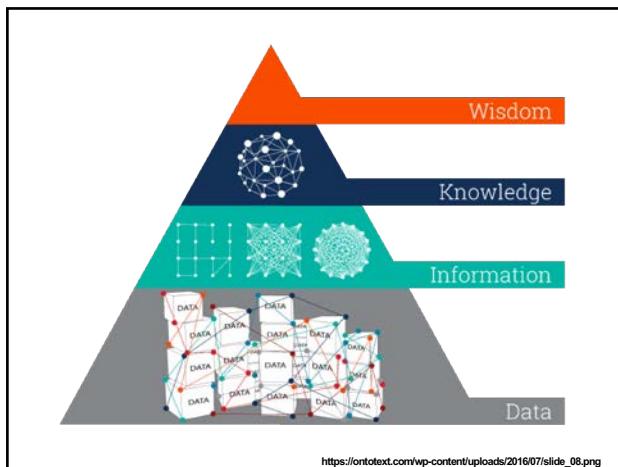
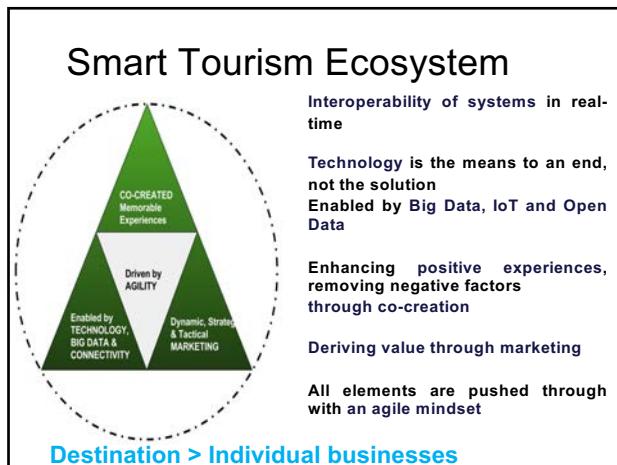
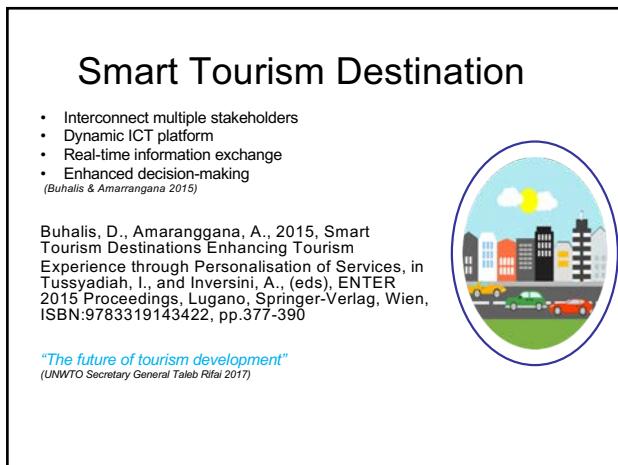
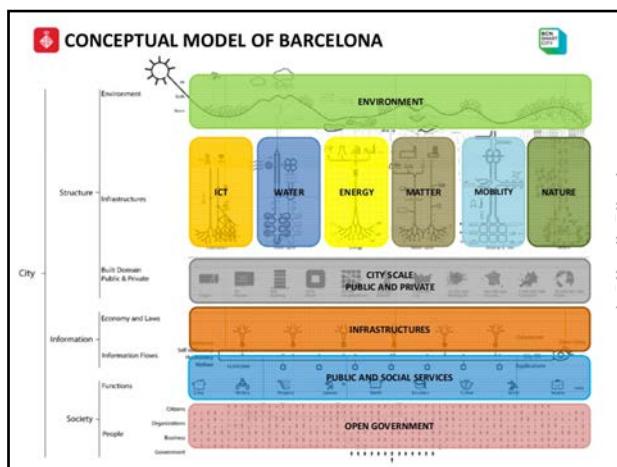
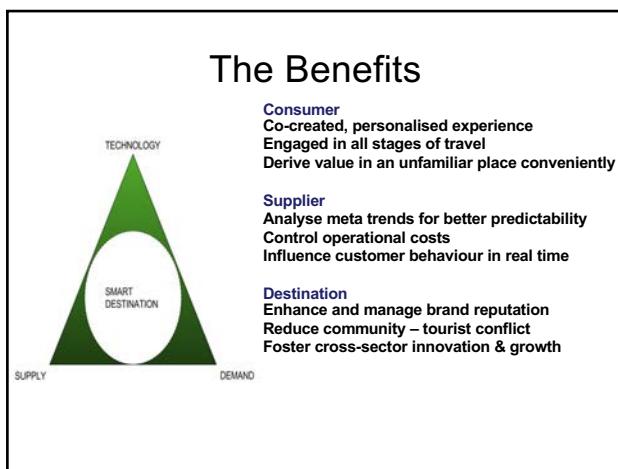
© Professor Dimitrios Buhalis

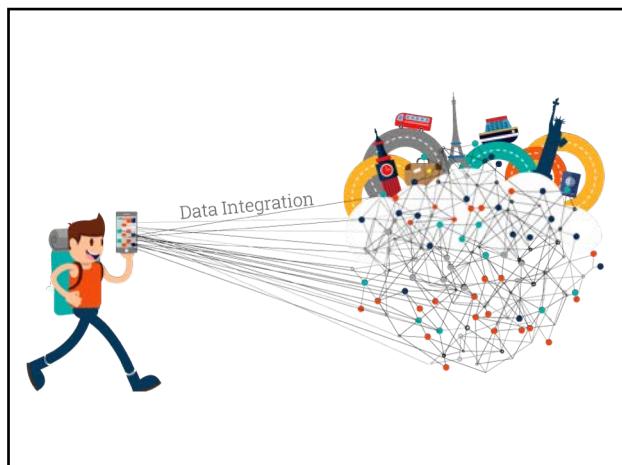
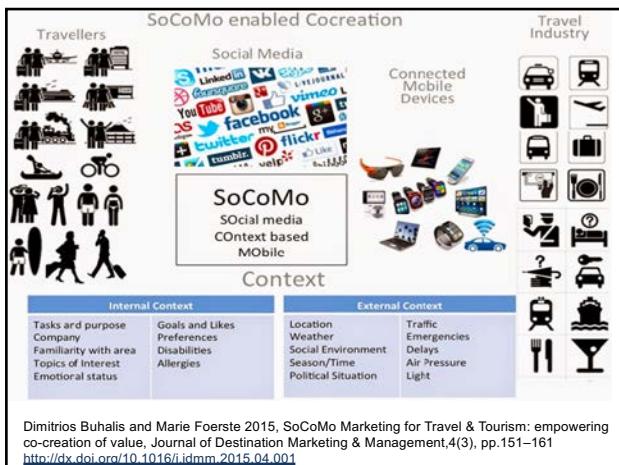














Stay in touch with Dimitrios



Professor Buhalis Dimitrios
 Head of Department Tourism and Hospitality Director, eTourism Lab
 Bournemouth University, Poole, BH12 5BB, UK

Tel: +44 1202 961517
 Email: dbuhalis@bournemouth.ac.uk
<http://www.bournemouth.ac.uk/tourism/>
 Dimitrios Web: <http://www.buhalis.com>

WeChat: ProfBuhalis
 Twitter: <http://twitter.com/buhalis>
 Facebook: <https://www.facebook.com/ProfessorDimitriosBuhalis>

WWW.BUHALIS.COM