

POÏESIS



Collana di studi e ricerche sull'eGovernment

Manola Mazzotta – Marco Giannotta
(Eds.)

SMARTOURISM
AND THE KNOWLEDGE ERA

Written by:

Manola Mazzotta
Valentina Ndou
Maria Rosaria Buri
Marco Giannotta
Iside Pellegrino Preite
Angelo Caputo
Christian Longo
Miriam Pezzuto
Michele Pendinelli
Teresa Perrone
Paola Rametta
Loredana Verardi
Maria Assunta Contino



TANGRAM
EDIZIONI SCIENTIFICHE
TRENTO

Manola Mazzotta, Marco Giannotta (Eds.), *Smartourism and the Knowledge Era*
Copyright © 2014 Tangram Edizioni Scientifiche Trento
Gruppo Editoriale Tangram Srl – Via Verdi, 9/A – 38122 Trento
www.edizioni-tangram.it – info@edizioni-tangram.it

Prima edizione: ottobre 2014, *Printed in EU*
ISBN 978-88-6458-064-7

POÏESIS – *Collana di studi e ricerche sull'eGovernment* – NIC 07

DIREZIONE

André Ramos Tavares, Marco Mancarella, Gianpasquale Preite

COMITATO SCIENTIFICO

Donato A. Limone, Università Telma “La Sapienza” di Roma
Robert Etien, Université Paris XIII, France
Antonio Anselmo Martino, Universidad de Lanus, Buenos Aires
Jorge Douglas Price, Universidad Nacional del Comahue, Argentina
Ioannis Ganas, Technological Educational Institute of Epirus
André Ramos Tavares, Pontificia Universidade Católica de São Paulo
Marco Mancarella, Università del Salento
Fabricio Muraro Novais, Faculdade Autônoma de São Paulo
Mario Sirimarco, Università degli Studi di Teramo
Gianpasquale Preite, Università del Salento
Endrius Cocciolo, Universitat Rovira i Virgili
Mauro Pollini, Università del Salento
Josep Cañabate Pérez, Universitat Autònoma de Barcelona

RESPONSABILI DELLE SEZIONI E REDAZIONE

Amministrazione digitale e nuovi diritti Marco Mancarella
Filosofia, politica e tecnologie Gianpasquale Preite
Etica, biopolitica e tecnologie Ughetta Vergari
Tecnologie e ricerca sociale Luigi Di Viggiano
Sviluppo del territorio e tecnologie Luca Caputo
Sistema documentale e conservazione digitale Andrea Lisi
Profili giuridici della net economy Gianluigi Fioriglio

Anche se la responsabilità dei capitoli presenti nel volume è da attribuirsi ai rispettivi autori, lo studio è il risultato di una piena integrazione e condivisione delle riflessioni e della ricerca illustrata.

Stampa su carta ecologica proveniente da zone in silvicoltura, totalmente priva di cloro.
Non contiene sbiancanti ottici, è acid free con riserva alcalina.



UNIVERSITÀ
DEGLI STUDI DI FOGGIA



UNIVERSITÀ
DEL SALENTO



INTERREG IV GREECE - ITALY
Cross-Border Cooperation Programme 2007 - 2013
Social Network for Tourism Operators - "S.O.NET.T.O."

The publication is a part of the “Social Network for Tourism Operators – S.O.NET.T.O”. project, supported by the *1° Call for Project Proposal European Territorial Cooperation Programme Greece – Italy 2007-2013*. The project partners are not responsible for any use that may be made of the information contained therein.

Authors:

Manola Mazzotta, PhD, Expert consultant in knowledge economy

Valentina Ndou, PhD, Senior Researcher and Assistant professor at Engineering for Innovation Faculty, University of Salento

Maria Rosaria Buri, Professor and Researcher in Translation and Interpretation Studies, University of Salento

Marco Giannotta, PhD, Project Manager in eGovernment

Iside Pellegrino Preite, Degree in Economics and Business Management

Angelo Caputo, Degree in Politics and Political Science

Christian Longo, Degree in Law, Specialist in Public Management and eGovernment

Miriam Pezzuto, Computer science engineering, Researcher in Parsec 3.26

Michele Pandinelli, Computer science engineering, Researcher in Parsec 3.26

Teresa Perrone, Researcher in Parsec 3.26

Paola Rametta, PhD, Researcher in CETMA

Loredana Verardi, Computer science engineering, Researcher in CETMA

Maria Assunta Contino, Degree in Economics, Expert in European Funds, Strategic Planning and Public Management – Municipality of Lecce

Special thanks to institutions and persons who gave support, information, comments.

University of Salento
Piazza Tancredi, 7
73100 Lecce (Italy)
(+39) 0832 29 11 11
www.unisalento.it

TABLE OF CONTENTS

13	INTRODUCTION WHY SMART SPECIALISATION IN THE KNOWLEDGE ECONOMY? <i>Manola Mazzotta</i>	
	References	21
23	CHAPTER I TOURISM INNOVATIVE ECOSYSTEMS FOR COMPETITIVENESS <i>Valentina Ndou</i>	
	Introduction	23
	1. New tourism competitive environment	24
	2. Tourism Innovative Ecosystems	29
	3. State of the art of Innovative Ecosystems	30
	4. The configuration and the features of Tourism Innovative Ecosystems	32
	5. Toward the Tourism innovative ecosystem: the supporting environment	36
	References	39
41	CHAPTER 2 EFFECTIVE ENGLISH FOR AN UP-MARKET TOURISM <i>Maria Rosaria Buri</i>	
	References	47
49	CHAPTER 3 NEW RIGHTS IN EASTERN-CENTRAL EUROPEAN COUNTRIES. THE CONSTITUTIONALIZATION OF THE RIGHT TO PRIVACY. <i>Marco Giannotta</i>	
	1. The idea of “Fundamental right” between historical authentication and complexity	49
	2. The evolution of fundamental rights in the different generational transitions.	50
	3. The person value as base of the “new rights”: Fourth Generation Rights	55
	4. The individual freedom like value of a new Constitution model	56
	6. The space of personal freedom as the way to go from “habeas corpus” to “habeas data”. The Italian experience about privacy value.	58

	6. Privacy as Fundamental Human Right in Information Age	60
	7. The right to privacy in the Constitutional Charters of Eastern-Central Europe: means of transition from “habeas corpus” to “habeas data”.	64
	References	68
71	CHAPTER 4 THE ECO-LABEL BETWEEN CORPORATE SOCIAL RESPONSABILITY AND GREEN ECONOMY <i>Iside Pellegrino Preite</i>	
	Introduction	71
	1. The vision and leanings of the Green Economy	73
	2. Green Economy between strategic areas and sustainable development	73
	3. Eco-innovation and Corporate Social Responsibility	76
	4. The eco-label between regulatory and voluntary choice	77
	5. Mandatory Labels	78
	6. Voluntary labels	79
	7. Shape of the Ecolabel	82
	8. Certification by public and private bodies	83
	9. Evolutionary perspectives	85
	References	88
91	CHAPTER 5 AN ADVANCED APPROACH TO THE GOVERNANCE OF THE TERRITORY FOR SUSTAINABLE DEVELOPMENT AND TOURISM <i>Angelo Caputo</i>	
	References	100
101	CHAPTER 6 E TOURISM IN AN ITALIAN PUBLIC ADMINISTRATION <i>Christian Longo</i>	
	Introduction	101
	1. Protection of the environment	102
	2. The territory and its culture	106
	3. Local corporations and tourism	108
	References	114

115	CHAPTER 7	
	OPEN INNOVATION IN PUBLIC ADMINISTRATIONS: THE EXPERIENCE OF THE MHiA LIVING LAB PROJECT	
	<i>Miriam Pezzuto, Michele Pendinelli, Teresa Perrone, Paola Rametta, Loredana Verardi</i>	
	Introduction	115
	1 The MHiA Project	118
	Conclusion	124
	References	126
	Internet and Electronic Sources	126
127	CHAPTER 8	
	THE EUROPEAN CAPITAL OF CULTURE INITIATIVE AS AN EXPERIENCE AND A PROOF TO APPLY DESTINATION MANAGEMENT FOR SUSTAINABLE CULTURAL TOURISM	
	<i>Maria Assunta Contino</i>	
	Introduction	127
	1. European Capitals of Culture Programme and Process.	128
	2. Contribution of the ECoC initiative to develop Cultural Tourism	136
	3. Sustainable Tourism Destination Management for the longer-term effects and success	140
	4. The experience of the candidacy of Lecce as European Capital of Culture 2019	146
	References	157

SMARTOURISM
AND THE KNOWLEDGE ERA

Introduction

WHY SMART SPECIALISATION IN THE KNOWLEDGE ECONOMY?

Manola Mazzotta

The present historical moment is strongly affected by a generalized crisis that has involved at different levels of intensity the financial, economic, social and political assets of all countries in the Eurozone. The nature of this crisis and the possible strategies of coming out of it, require answers to questions still remaining open, but they also represent a rich research field, where there is a strong discontinuity compared to the past (Mazzotta 2012a, 16).

The current crisis has frustrated many of the recorded progresses in terms of economic growth and creation of jobs so much as to declare the unsustainability and the unjustifiability of the costs that economy and society are experiencing these years. However, above all, it has underlined fundamental drawbacks, such as the fragility of the financial system and the decline of public finances that need an intervention in order to regain the perspective of a future economic growth. Europe has to face clear but difficult choices. However, it is exactly in this kind of scenario that coming out of the crisis should mark the entrance into a new economy sustained by a strategy able to transform the European Union into an intelligent, sustainable and inclusive economy, characterized by high levels of employment, productivity and social cohesion (Mazzotta 2012b, 48).

The knowledge era works in a systems logic, the creation of value is relative to the interaction of the whole set of actions and players that act in a co-evolution and with the consciousness of being the protagonists of the economic, social, environmental and cultural value chain. This applies to individuals and therefore to society, to businesses and

therefore to the unique market, to countries and therefore to European Union. Today, more than ever, under the weight of the crisis and the deficit of democracy, reinforcing the European Union depends on the ability to represent individual Member States and the European Union as a whole which remains such, even in terms of perception and not only in the form of the public representation.

Rethinking Europe in view of the current crisis, means looking at new development models able to intervene into territorial imbalances, into the depletion of the human capital and the infrastructural heritages, into the downgrading of educational systems and welfare structures, as well as into environmental problems or more generally those which involve common goods. For the growth of the European economies it is fundamental to accelerate the absorption of new knowledge and, therefore, diffusing innovations by supporting the circulation on information and the incentive to investments. All this requires a new agreement between the European institutions and the economic and social players and among the various levels of government: national, regional and local. Knowledge transfers represent the indispensable completion of the traditional globalization engines, but their efficacy is bound to a really coherent and unified vision (Mazzotta 2012b, 53-54).

The economic reform program, a.k.a. Lisbon strategy 2000, declared explicitly that the objective was to make the European Union (EU) the most competitive and dynamic knowledge-based economy. In continuity with the 2000 activities, the European strategy 2020 focused its attention on three priorities which require a greater effort to converge into the national levels: knowledge and innovation; more sustainable economy; high level of employment and social inclusion.

Within this framework of reference it is important to discuss about: the new concept frames; new sustainability-integrated standards capable of embodying/incorporating the value of human, natural and environmental capital; the new policy tools which aim not only at the production and consumption mechanisms, but also at the society and the social goods, the latter intended as an analytic subcategory different from both private goods and public goods (Antonelli and De Liso 2012). The creation of a knowledge-based economy is a very ambitious but necessary EU objective in order to recover economic competitiveness and protect the social European model. In the past twenty years,

there has been a remarkable expansion of knowledge-based industries and services. Knowledge has become the main focus and the economic, social and political drive of the EU, thus promoting innovation, intelligence and creativity as the new parameters to follow.

In the current discourse on the future EU regional policy, smart specialization exhibits a strong focus and plays a strategic role, but what is smart specialization?

The intellectual origins of the concept “smart specialization” were first outlined by Dominique Foray and Bart Van Ark in their studies on the productivity gap between the U.S. and Europe.

They explored why Europe was lagging behind the U.S. in competitiveness with a particular focus on research and development (R&D), intensity and dissemination of new technologies, to explain growth differentials.

If initially the gap between the U.S. and Europe was to be found in the intensity of investment in research and development, the dissemination of research results and applications of new technologies, in light of their research, the dissemination of research results and applications of new technologies play a significant role. They identified that research investment in Europe was overly fragmented, lacking in co-ordination of research and innovation (R&I) of investment between stakeholders, and lacking critical mass.

The idea, then, was proposed by Dominique Foray, Paul David and Bronwyn Hall as part of the working group organized by Commissioner Potočník, to relaunch the Lisbon Strategy in 2005, “Knowledge for Growth” (K4G)¹. The potential of the concept as a driver of innovation and general economic policy was developed by the European Commission’s JRC IPTS (Pontikakis et al. 2009).

The concept is now a key element of the EU 2020 innovation plan as discussed in the communication Europe 2020 Flagship Initiative Innovation Union [COM (2010) 546] and the EU Budget Review

¹ The Knowledge for Growth (K4G) Expert Group operated as an independent advisory body to Commissioner Potočník. The group met three times a year, under the chairmanship of the Commissioner. The Commissioner appointed Prof. Dominique Foray as Vice-Chairman to lead the work of the group. See The Reports and Policy Briefs http://ec.europa.eu/invest-in-research/monitoring/knowledge_en.htm.

[COM (2010) 700]. The way in which a smart specialization strategy is envisaged to operate as a central theme in a post-2013 reformed EU Cohesion Policy is explained in Regional Policy Contributing to Smart Growth in Europe [COM (2010) 553]. It will be the basis for European Structural and Investment Fund interventions in R&I as part of the future Regional and Cohesion Policy's contribution to the Europe 2020 jobs and growth agenda².

As argued by Foray et al. (2009) the recent rapid success of the term smart specialisation is a very gratifying result for the academics at the origin of the concept, but the strong appeal it has in terms of policy, highlights a gap between the policy practice and the theory. It is also a perfect example of “policy running ahead of theory” (Steinmueller 2010). In fact, the formulation and implementation of smart strategies require a serious change of logic with respect to the standard economic growth model (McCann and Ortega-Argilés 2011).

Smart specialisation involves an entrepreneurial discovery process that reveals what a country or region does best in terms of R&D and innovation (Foray et al 2011, 7). The importance of this principle is underlined in the process of competitive evolution.

The entrepreneurial discovery is a learning process that implies a complex combination of public policies, private commitments and context conditions regarding economic, social and environmental dimensions; the process of smart specialisation is not simply the advent of an innovation but the deployment and variation of innovative ideas in a specialised area that generate knowledge about the future economic value of a possible direction of change (Foray and Goenega 2013, 5).

The development of a smart specialisation strategy, at a national and a regional level, implies a policy process that follows a complex and iterative logic that cannot be described neither as essentially “top down”

² The European Commission to provide professional advice to EU countries and regions for the design of their research and innovation strategies for smart specialisation (RIS3) established S3P website <http://s3platform.jrc.ec.europa.eu>. The S3P website is an important new interactive tool on Regional Benchmarking which helps identifying structurally similar regions across Europe. The interactive tool will be progressively integrated with the Eye@RIS3 tool and with the dedicated S3P regional/country pages that have been produced for each of the regions/countries registered in the S3 Platform.

nor essentially “bottom up” (Foray et al 2011, 15). On the other hand, smart specialisation implies a strategic vision and a choice which is not neutral with respect to the various economic sectors.

As stated by Foray and Goenega (2013, 1) the smart specialisation is not a planning doctrine that would require a region to specialize in a particular set of industries. Thus, rather than offering a method for determining if a hypothetical region has a “strength” in a particular set of activities, e.g., tourism and fisheries, the crucial question is whether that region would benefit from and should specialise in certain R&D and innovation projects, in some lead activities such as tourism or fishery.

Tourism has been one of those sectors which could benefit from recent innovations resulting from Information and Communication Technology, with major transformations, both in terms of supply and demand.

According to the OECD, tourism is a big business worldwide. It is a key services export for many economies around the world and contributes to job creation and regional economic development. The latest available data shows that in OECD member countries, tourism directly contributes, on average, around 4.7% of GDP and 6% of employment and 21% of exports of services. If we consider the total impact of tourism including direct, indirect and induced impacts, tourism represents around 9% of GDP and employment (OECD 2014, 18).

But what is “smart” tourism and why is it important? According to the World Tourism Organization definition of Tourism is: “*tourism comprises the activities of persons travelling to and staying in places outside their usual environment for not more than one consecutive years for leisure, business and other purposes not related to the exercise of an activity remunerated from within the place visited*”. This definition highlights that tourism is not identified as an industry, but comprises businesses which undertake many different activities.

Tourism itself is inherently a complex and multidimensional field. It embraces social, cultural, and environmental characteristics, includes the buying, selling, and management of services and products, policy initiatives, economic development, environmental goals, and sustainable planning (David et al. 2013, 2). Therefore, smart tourism is a process; that is to say a process of identification and selection of de-

sirable areas for intervention, implying choices of technologies, fields, sub-systems that could be favoured within the framework of the regional policy (Foray and Goenaga 2013, 2).

According to Foray (2013, 57) it is also clear that focusing and concentrating resources in a limited number of activities (scale, scope and spillovers rationale) is probably not enough and will not create any efficiency if the choices of the activities are rather conservative and imitative.

There are many emergent transformations in the space of global competition, but an essential condition of regional development in a smart specialisation policy aims at pursuing a goal-setting process, in certain domains. Under these conditions, the local level turns out to be a micro environment that needs to particularize itself via a self-selecting process which emphasises endogenous resources and presupposes a self-reflexive relationship with the context.

What is crucial in the smart specialisation concept is that attention is “not on policy outcomes (which are inherently unknowable *ex ante*), but on getting the policy process right” (Rodrik 2004, 3). Consequently, the smart specialisation concept puts a lot of emphasis on the nature of the policy process, and how to make that work better (Boschma 2014).

A regional strategy for innovation traditionally consists mainly of horizontal measures and neutral policy aimed at improving general framework conditions and capabilities (good universities, human capital, intellectual property rights, research and ICT infrastructure, competition and openness, etc.)³. Conversely, there would be smart specialisation centres on a more vertical and non-neutral logic of intervention. Hence, vertical prioritisation is extremely difficult and entails a great risk, this is why smart specialisation is about defining a method to help policy-makers identify desirable areas for innovation policy intervention (Foray et al. 2009).

³A neutral policy is a policy that does not select projects according to preferred fields or any such criteria, but responds to demands that arise spontaneously from industry (definition taken from Trajtenberg, 2002). Trajtenberg, M. (2002), Government support for commercial R&D: lessons from the Israeli experience, in A. Jaffe and J. Lerner and S. Stern (Eds.), *Innovation Policy and the Economy*, Volume 2, NBER Books, National Bureau of Economic Research.

The weak point is that, smart policies can be acknowledged as such only after their success becomes visible, while ex-ante it is very difficult to define success criteria and to assess the combined outcome of market and policy processes (Giannitsis 2009, 21).

Research and innovation strategies for smart specialisation can be defined as a planning process guided by an economic transformation agenda based on 4Cs (Landabaso 2014, 132-133):

- Choices: limited number of priorities on the basis of own strengths and international specialization avoiding duplication and fragmentation.
- Competitive Advantage: mobilise talent by matching R&I capacities and business needs through an entrepreneurial discovery process.
- (Critical Mass) Clusters and Connectivity (McCann and Ortega-Argilés 2014): aim at developing world-class clusters and provide arenas for related variety and cross-sectorial links, which can drive specialised technological diversification.
- Collaborative Leadership: efficient innovation systems as a collective endeavor based on public-private partnerships allowing for experimentation and giving voice to un-usual suspects (with good ideas).

These four ‘Cs’ are the leading elements of a national/regional research and innovation strategy for smart specialisation (RIS3) process that incorporate its main novelties when compared to past experiences and inspire the strategy design.

In a short term, a smart strategy, such as a smart tourism strategy is an effort that aims at providing extension to management and implementation of strategic planning efforts and boosting the cooperation between public and private sector with reference to the principle of governance.

The specialisation is played on the microeconomic strong level, identifying the place-based areas of greatest strategic potential, developing multi-stakeholder governance mechanisms, and setting strategic priorities that are potentially competitive and generators of new market opportunities.

Consequently, also smart tourism needs to be backed by a partnership-building process, which has the qualities for flexibility, transpar-