WP3 : Agriculture and territorial development

Resumed content
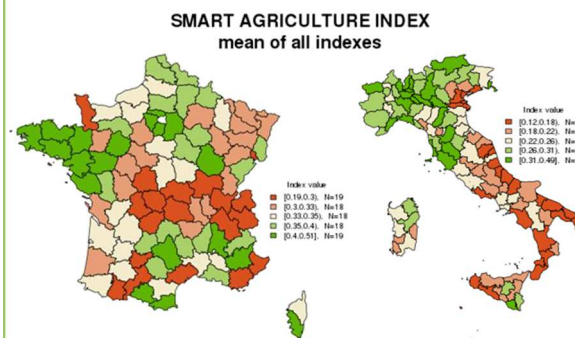
taste-smarteurope.eu

Aims and Objectives

- Analysis of patterns of urban/peri-urban agriculture (UPA) and impact on territorial development
- Identification of the main characters of Smart Agriculture (SA) in literature and political discourse
- Analysis of the Smart Agriculture at regional and local scale

Methodology

The methodology was firstly based on a bibliometric and bibliographic analysis in order to identify six main characters of SA: land use and landscape, Technology, social inclusion, supply and demand; multifunctionality, public policy, environment. Then, a quantitative analysis has been done for France and Italy NUTS3 through the creation of 6 Smart Agriculture Indexes 5 for the main characters and 1 which represents the total. Finally, the case study analysis has analysed local projects through a grid based on the 7 characters of SA.

Contacts :
TASTE Author(s) :
Stefano CORSI (Universiy of Milan)
stefano.corsi@unimi.it
Rosalia FILIPPINI(University of Milan)
rosalia.filippini@unimi.it
Sylvie LARDON (AgroParisTeche/INRA)
sylvie.larsdon@agroparistech.fr
Isabelle DUVERNOY(INRA)
duvernoy@toulouse.inra.fr
Christophe SOULARD (INRA)
soulard@supagro.inra.fr
Segolene DARLY (Universitè Paris8)
segolene.darly@univ-paris8.fr
Jean-Baptiste TRAVERSAC(INRA/AgroParistech)
jean-baptiste.traversac@agroparistech.fr
Elise MAIGNE (INRA)
elise.Maigne@toulouse.inra.fr
Eric CAHUZAC (INRA)
eric.cahuzac@toulouse.inra.fr
Romain MELOT (AgroParistech)
romain.melot@agroparistech.fr

Scientific Coordinator :
André TORRE (INRA)
torre@agroparistech.fr
Projetct Manager :
Frédéric WALLET (INRA)
wallet@agroparistech.fr

Contribution to smart development

This contribution has developed a methodology to understand the main thematic linked to Smart Agriculture and evaluate and quantify Smart Agriculture at different territorial scale, with quantitative and case study analysis.

SMART AGRICULTURE INDEX
mean of all indexes

Index value
[0.12.0.18], N=22
[0.18.0.22], N=22
[0.22.0.26], N=22
[0.26.0.31], N=22
[0.31.0.49], N=22

Index value
[0.19.0.3), N=19
[0.3.0.33), N=18
[0.33.0.35), N=18
[0.35.0.4), N=18
[0.4.0.51], N=19

Smart Agriculture Grid: Milan Metropolitan area

SMART Thematic	Category of project	Project
LAND USE AND LANDSCAPE	Urban Gardens	AGRICITY
		Fondazione Catella
	Agricultural Park	Parco Agricolo Sud Milano
ICT TECHNOLOGY	Supply collecting	Cortilia
SOCIAL INCLUSION	Social farming	Cascina Bollate Coop. Soc. ONLUS
		CONTINA Coop. Soc. ONLUS
		Coop. Soc. EUREKA - CASCINA CAPPUCCINA
		CO.A.FRA: Coop. Agricola Fraternità
	Cultural Event	Food Film Festival
SUPPLY AND DEMAND	Gruppi d'Acquisto Solidale	Gas di Milano
		AEQUOS
		Binario giusto
	Farmers market	Mercato della terra Milano
		Campagna Amica
	Catering	Parc- Prodotti Agricoli in Catering
	Food chain projects	Riso&Rane in Esselunga supermarket
FARMERS' MULTIFUNCTION.	Direct Sale	projects of farms
	Fattorie didattiche	projects of farms
	Agriturismo	projects of farms
ENVIRONMENT	Agricultural Park	Parco Agricolo Sud Milano
	Water and soil management	Protection of Razza Varzese
PUBLIC POLICY	Agenda 21	Agenda 21 est Ticino
	Food policy	Milano Urban Food Policy
	Food District	Rural and Agricultural districts

Results

As result of the bibliographic analysis SA is defined as a new paradigm based on a holistic vision of agricultural potentialities, for raising collective practices and strategies at territorial level.

The quantitative analysis has indicated that in France predominantly remote rural regions as the smartest, while in Italy urban areas are the smartest ones.

The case study analysis have highlighted that in all the six case studies issues on supply/demand and territorial management are relevant, while projects on technological development are less frequent.

Conclusions / Recommendations

The results of the different analysis suggest that there is not only way for smartness. The analysis provides policy makers and researchers with data to understand regional dynamics and compare different territorial scales and different regions. In this way it supports the understanding of the actions of policies and funds and it provides a base on which future policies can be drawn, reinforcing the link between top down policies and bottom up actions, as well as the cooperation between different regions.

RURAGRI ERA-NET

SEVENTH FRAMEWORK PROGRAMME