Analytic Network Processes as a tool in the development of the Thematic Networks for Business Innovative Models in Agriculture

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THEMATIC NETWORK (TN), AS A METHOD FOR STRUCTURING INFORMATION

STRUCTURING INFORMATION FOR AN OPTIMAL KNOWLEDGE TRANSFER WEIGHTS OF IMPORTANCE FOR TN'S IN THE CONTEXT OF ANALYTIC NETWORK PROCESS (ANP) MODELLING

THEMATIC NETWORKS IN THE CONTEXT OF EU FUNDED PROJECTS

THE ASSESSMENT OF THE BUSINESSINNOVATIVEMODELSINAGRICULTURE USING ANP FOR TNS



THE STRUCTURE OF A THEMATIC NETWORK



Global theme : the analysis of several BIM's in Agriculture

Organizing themes : Social entrepreneurship

Accumulation of technological capabilitie

and organizational learning

Integration between small and large

producers

Government support

Socio-economic technological environm

Strategies and performances

Basic themes :BIM 1, BIM 2.....

Socio-economic-technological environment Government support Relationship between the environment and firms Firm/ organization Social entrepreneurship Accumulation of technological capabilities and Business Strategies and organizational models performance learning Integration between small and large producers Process of value creation/value capture/value sustainability



The structure of an AHP model







	GLOBAL THEME	- <u>□</u> ×
THE A	NALYSIS OF SEVERAL BIM IN AGRICU	LTURE
4	7	¥
Governme	ent support	
Integratio Social ent	on between small and large producers repreneurship	BIM 1
Socio-ecor	nomic technological environment	
Technolo	ogical capabilities and organizational learni	ng et al.
4	m	*

Here are the alternatives Decisions <mark>N</mark>	e overall synthes . You synthesize lain Window: TN	ized prior ed from th I to AHP.	ities for e netwo sdmod	the rk Sup
Name	Graphic	Ideals	Normals	Raw
BIM 1		1,000000	0.333333	0.166667
BIM 2		1.000000	0.333333	0.166667
DTh 4 D		1 000000	0.333333	0.166667









Rate of Change with respect to an increase of the Government Support (GS)

	GS as in	GS up	Rate of change	
	present	with 50 %		
BIM 3	0.278	0.395	0.395 - 0.278	42 %
BIM 2	0.237	0.223	$ \begin{array}{r} 0.278 \\ 0.223 - 0.237 \\ 0.237 \end{array} $	-6%
BIM 1	0.485	0.382	$\frac{0.382 - 0.485}{0.485}$	-21 %
8. 			জি এই বিশ্ববিদ্যালয়	90) 8) (1)



Analytic Network Processes as a tool in the development of the Thematic Networks for Business Innovative Models in Agriculture: several reasons for an integrated approach

The extended sense associated with the sintagm : 'Thematic Network '

EU-Cordis :

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- since 2002-until 2014 there were 6222 EU financed projects for developing Thematic Networks (TN) in different fields
- 628 EU financed projects -TN for business innovative models

879 EU financed projects- TN in agriculture

RECENT TRENDS: for TN for business models in agriculture - 190 projects - in between 2014-2016

Enhancing the human and social capital

Thematic networks Horizontal

AGRI-SPIN - Space for Agricultural Innovation: website - CORDIS (2014)

HNV-link - High Nature Value Farming: Learning, Innovation and Knowledge: CORDIS (2015)

SMART-AKIS - European Agricultural Knowledge and Innovation Systems (AKIS) towards innovation-driven research in Smart Farming Technology: CORDIS (2015)

AGRIFORVALOR - Bringing added value to agriculture and forest sectors by closing the research and innovation divide: website - CORDIS (2015)

Crops

OK-Net-Arable - Organic Knowledge Network Arable: website - CORDIS (2014)

FERTINNOWA - Transfer of INNOvative techniques for sustainable WAter use in FERtigated crops: CORDIS (2015)

WINETWORK - Network for the exchange and transfer of innovative knowledge between European wine-growing regions to increase the productivity and sustainability of the sector: website - CORDIS (2014)

EUFRUIT - EU Fruit Network: CORDIS (2015)

Livestock

HENNOVATION - Practice-led innovation supported by science and market-driven actors in the laying hen and other livestock sectors: website - CORDIS (2014)

EuroDairy - A Europe-wide thematic network supporting a sustainable future for EU dairy farmers: website - CORDIS (2015) 4D4F - Data Driven Dairy Decisions 4 Farmers - CORDIS (2015)

EIP-AGRI , Multi –Actor Approach, Territorial CAP assessment

TOPIC : Thematic Networks compiling knowledge ready for practice Topic identifier: RUR-10-2016-2017 Publication date: 14 October 2015

Types of action: CSA Coordination and support action DeadlineModel: Opening date: single-stage 04 October 2016 Deadline: 14 February 2017 17:00:00

Types of action: CSA Coordination and support action DeadlineModel: Opening date: single-stage 27 October 2015 Deadline: 17 February 2016 17:00:00

Time Zone : (Brussels time) Horizon 2020H2020 website Pillar: Societal Challenges Work Programme Year: H2020-2016-2017 Work Programme Part: Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy Call : H2020-RUR-2016-2017

Topic Description

Specific Challenge: Despite the continued generation of knowledge through scientific projects,

research results are often insufficiently exploited and taken up in agricultural practice, and innovative ideas and methods from practice are not captured and spread.

National and sectoral agricultural knowledge and innovation systems (AKISs) are insufficiently connected to fully meet this challenge.

In view of fostering economically viable and sustainable agriculture and forestry, it is essential to close the research and innovation divide and to act at EU level.

More cooperation is needed between researchers, advisors, farmers/foresters and other actors in the supply chain to stimulate knowledge exchange so as to optimise resource use and smooth the transition to a knowledge-driven agriculture.

Thematic networks are a key element in the implementation of the EIP Agricultural Productivity and Sustainability (EIP-AGRI) with a view to fostering cross-border knowledge exchange and they may enable links being established with and between the EIP-AGRI Operational Groups supported under rural development programmes.