



Coordination of Agricultural
Research In the Mediterranean Area

ARIMNet2 Deliverable D5.1

Work Package 5 – From Research to Innovation

Report on Agricultural Knowledge and Innovation Systems (AKIS) in the Mediterranean

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Dissemination Level		
PU	Public	x
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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1. Introduction

The present report, prepared by CREA-IT with inputs from ARIMNet2 Partners, describes the analysis process realized as part of Task 5.1 of the WP5 “From research to innovation”. The objectives were to:

- know the general structures of Agricultural Knowledge and Innovation System (AKIS) of the Mediterranean countries,
- analyse the formal and informal interactions (*knowledge flows*) between research/extension/ farmers in each Mediterranean country,
- examine how research and farming practices are linked in the selected countries.

The first activity of the working group was to verify the different organizations of the knowledge and innovation system in Mediterranean countries through the surveys already available, especially ERAWATCH, MIRA and PROAKIS.

The first is a Platform on Research and Innovation policies and systems implemented by the European commission where it’s easy to find the main European policies and priorities until 2014 and where it is also reported the national research situation of the European countries, the countries associated to the framework program and the third countries. The ERAWATCH information is very useful but they don’t concern all the knowledge system components (there isn’t education and advisory’s component) and the agricultural and forestry knowledge system.

We found the same situation for the MIRA (The Mediterranean Innovation and Research coordination Action) project results. In this case the survey involves the whole knowledge area but there isn’t a specific in-depth analysis on AKIS.

Both these sources have been useful to understand the general situation of the Mediterranean area and the way in which the AKIS is connected to the research and knowledge structure.

PROAKIS is instead a specific agricultural project that has been financed by the European Commission in order to build the AKIS inventory of the 27 European countries. It has therefore provided information only on the European Mediterranean countries and not on the others.

After this check, the CREA’s working group has decided to organize a qualitative survey composed by two sections, to:

1. Design/describe the **architecture** of AKIS in each country (*Who-does-What and at which level*)
2. Analyse the **links** between bodies to depict **knowledge flows** and to identify:
 - the barriers to innovation in the agricultural sector,
 - what works and what does not work in the agricultural advisory services in different countries (*How it works*).

For each section of the survey a questionnaire was prepared with specific objectives and sent to all project partners.

In the first questionnaire were involved 15 countries and 12 responded. There were no responses from Algeria and Malta.

In the second questionnaire were involved 15 countries and 13 responded. There were no responses from Algeria and Egypt.

The findings of the qualitative survey were presented in three ARIMNet2 events:

- 19 February 2015 in Madrid;
- 1-2 October 2015 in Thessaloniki;
- 12-13 October 2016 in Antalya.

Lastly, we would underline that this is a qualitative survey (step 1 and step 2) aimed at depicting a general framework of the knowledge flows in Mediterranean countries. It is not a scientific or a detailed study. Nevertheless, it can provide ideas to launch some dedicated studies and researches such as: a comparison between different AKIS models with specific reference to networks and partnerships and/or an impact analysis of innovation transfer on the different Mediterranean agricultures.

2. The structure of the Mediterranean AKIS: services provided for farmers, institutions and actors involved

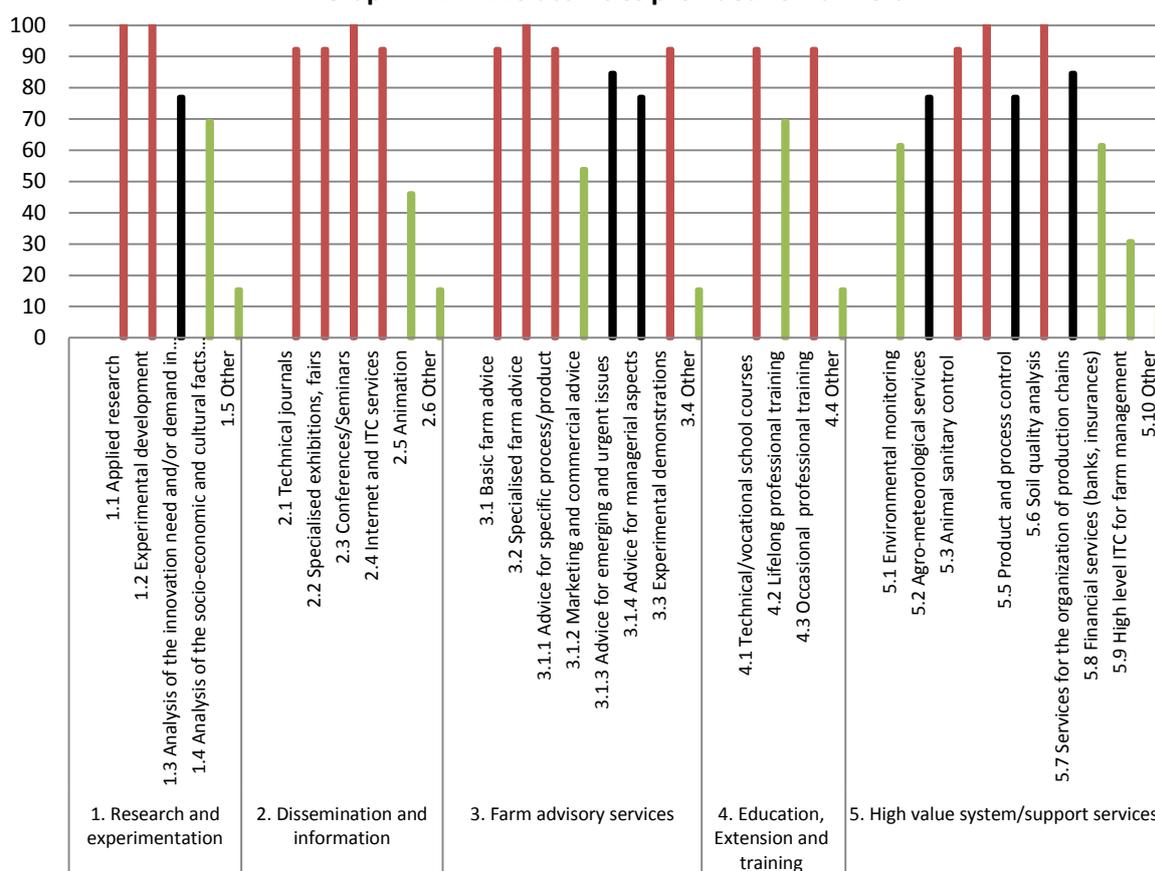
The objective of this questionnaire is:

- understanding the elements of the AKIS in the Mediterranean through the identification of the main activities of the AKIS components and the existing services to the farms,
- understanding who are the institutional actors of the AKIS and which are their official roles,
- understanding who are the AKIS operative actors and which are their roles.

As reported in the graph number 1, almost all of the countries carry out these AKIS activities:

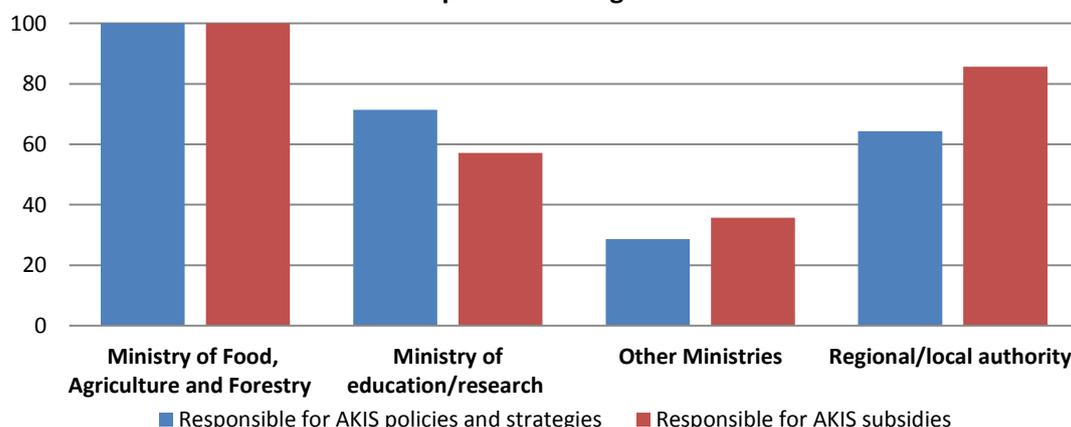
- ✓ Research and experimentation - Applied research, Experimental development;
- ✓ Dissemination and information - Technical journals, Conferences/Seminars, Internet and ITC services;
- ✓ Farm advisory services - Specialised farm advice especially Advice for specific process/product, Experimental demonstrations;
- ✓ High value system/support services - Monitoring and early warning for major plant pest and diseases, Soil quality analysis.

Graph n. 1 - AKIS activities provided for farmers

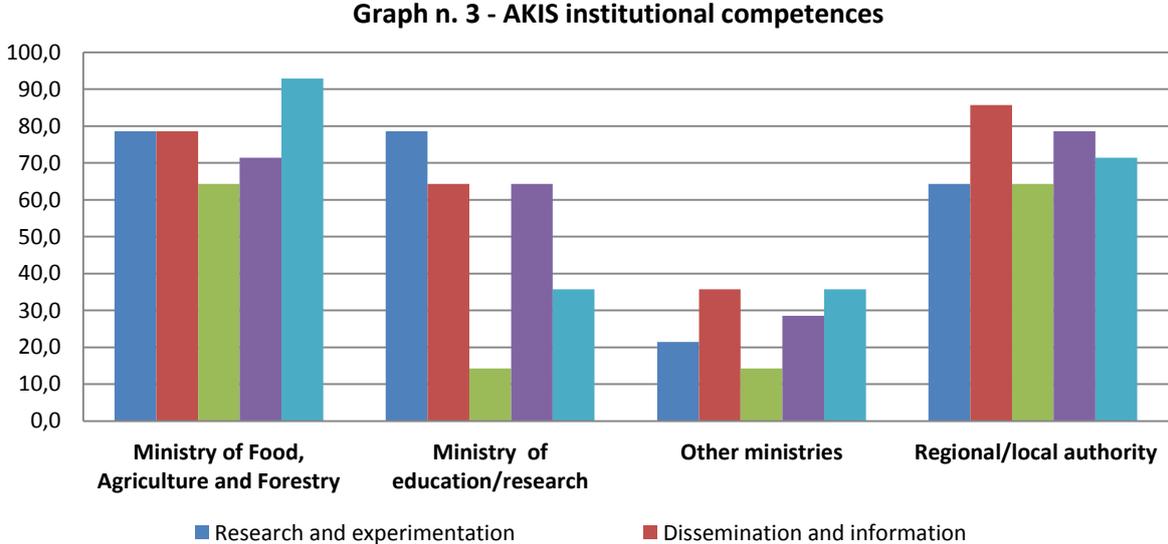


The less available AKIS activities are those related to the economic and management aspects: analysis of the socio-economic and cultural facts, marketing and commercial advice, advice for managerial aspects, financial services (banks, insurances). Other few available activities are related to new topics like rural animation and environmental monitoring. Concerning the role of institutional actors (Graph n. 2), all partners have declared that the Ministry of the agricultural and forestry policies is responsible for the definition of policies and strategies and that this Ministry is also very important for public funding. The role of the Regional/local authority is also important especially in terms of subsidies and funding.

Graph n. 2 - AKIS governance



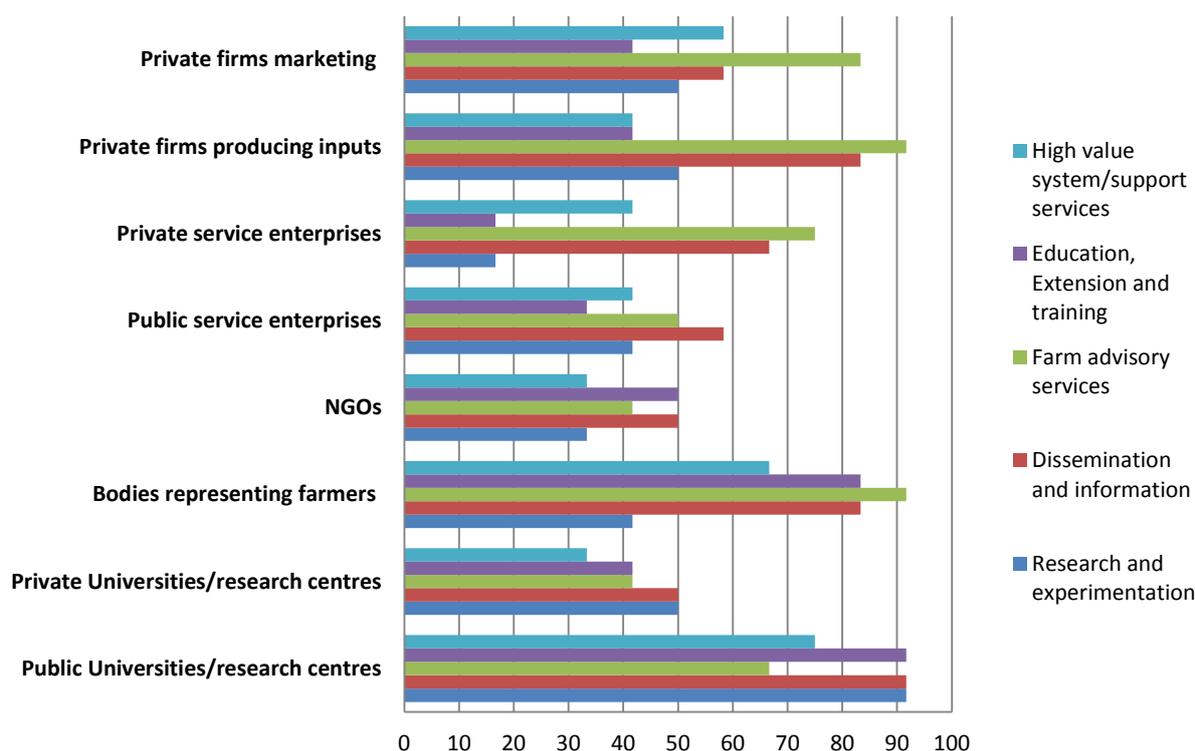
The competences of the institutional actors are very much differentiated between the different partners; more generally, the Ministry of food, agriculture and forestry is involved in “high value system/support services” and in “research and experimentation”, but this last one involves also the Ministry of education/research. The regional/local authorities are mainly involved in “dissemination and information” and “education, extension and training”.



The other actors of AKIS (Graph n. 4) are involved in specific activities depending on their particular mission.

Those who are involved with more tasks than the others are the public universities/research centres that work especially in the field of “research and experimentation” “dissemination and information” and “education, extension and training”. The second typology of stakeholders involved is represented by those “bodies representing farmers” that work especially in the “farm advisory services” and “education, extension and training”. Also the private firms producing inputs and the private firms specialized in marketing are involved rather strongly in the “farm advisory services”.

Graph n. 4 - Role of AKIS actors



3. Knowledge flows between research-extension-farmers

The second questionnaire had the objective to examine how the AKIS works in each Mediterranean country.

The main aims were to:

- outline relationships among AKIS actors to identify barriers and opportunities to enhance efficiency and effectiveness of future EU joint calls for research proposals,
- investigate the role of the final beneficiaries in the AKIS dynamics
- understand how to foster cooperation and synergies among AKIS actors to promote the establishment and development of networks for innovation in agriculture.

3.1. Links and relationships among AKIS actors

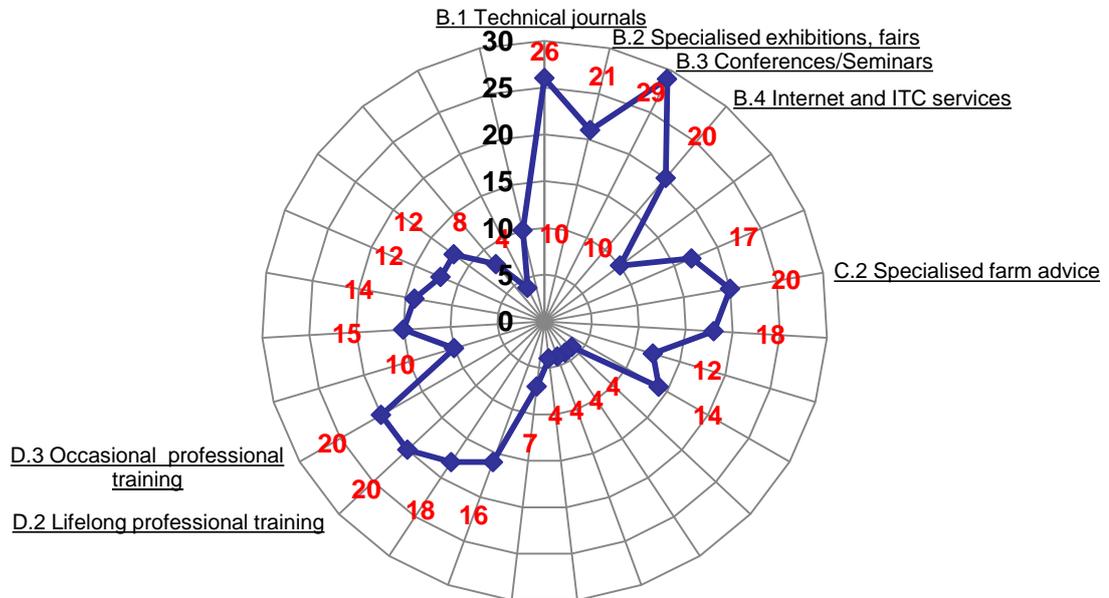
From the analysis of the questionnaires, it appears that the AKIS networks are on average regular or weak.

Among the eleven types of different actors, those with the highest number of connections are: 1) Ministry of Food, Agriculture and Forestry; 2) Farmers' Unions, Producers' associations, Collective bodies; 3) Private Universities/research centres; 4) Regional/local government.

The AKIS sectors with the highest number of relationships are: 1) dissemination and information, 2) research and experimentation, 3) education and training.

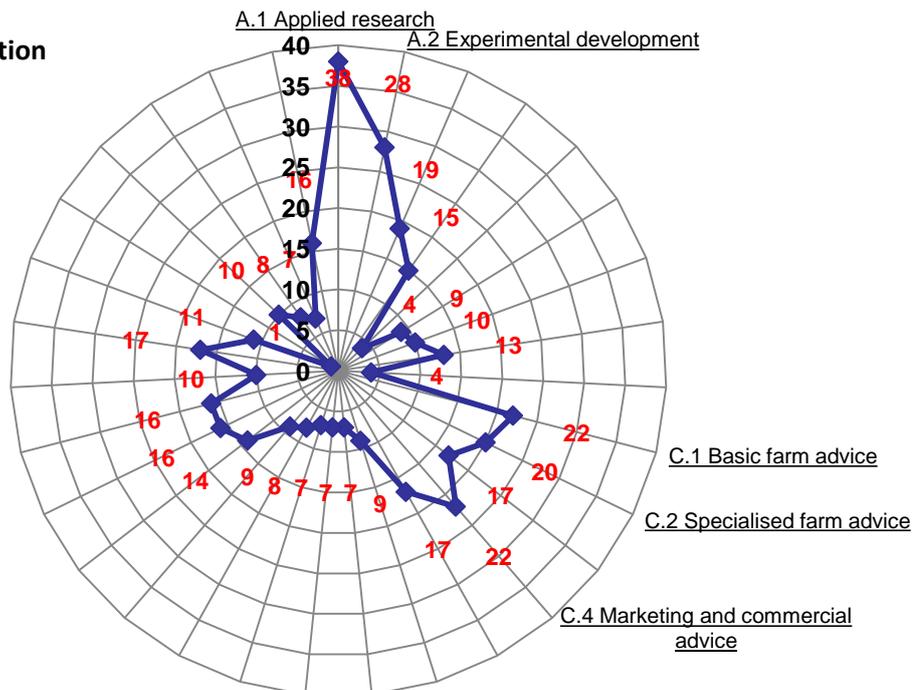
R&D is more linked with the «Information area», followed by «specialized Advice» and «professional education».

Graph n. 5 - R&D



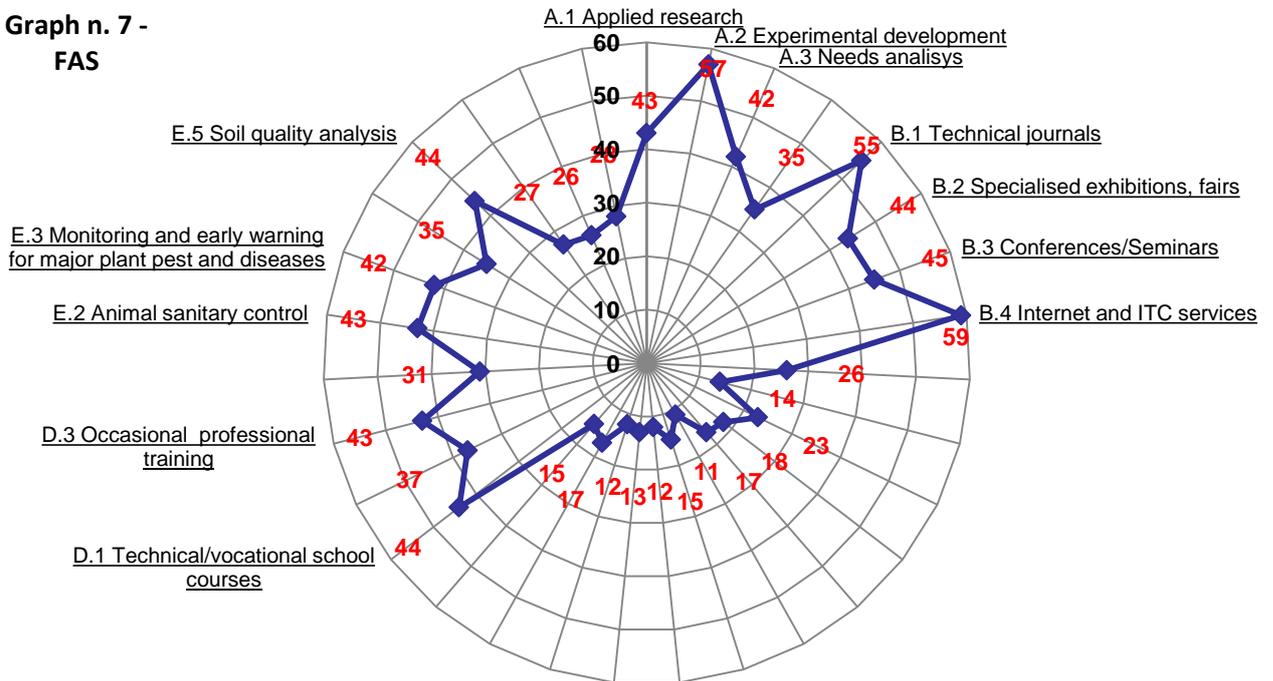
Information is interconnected with «R&D», but has also relations with «advice», especially «basic», «specialised» and «commercial».

Graph n. 6 - Information



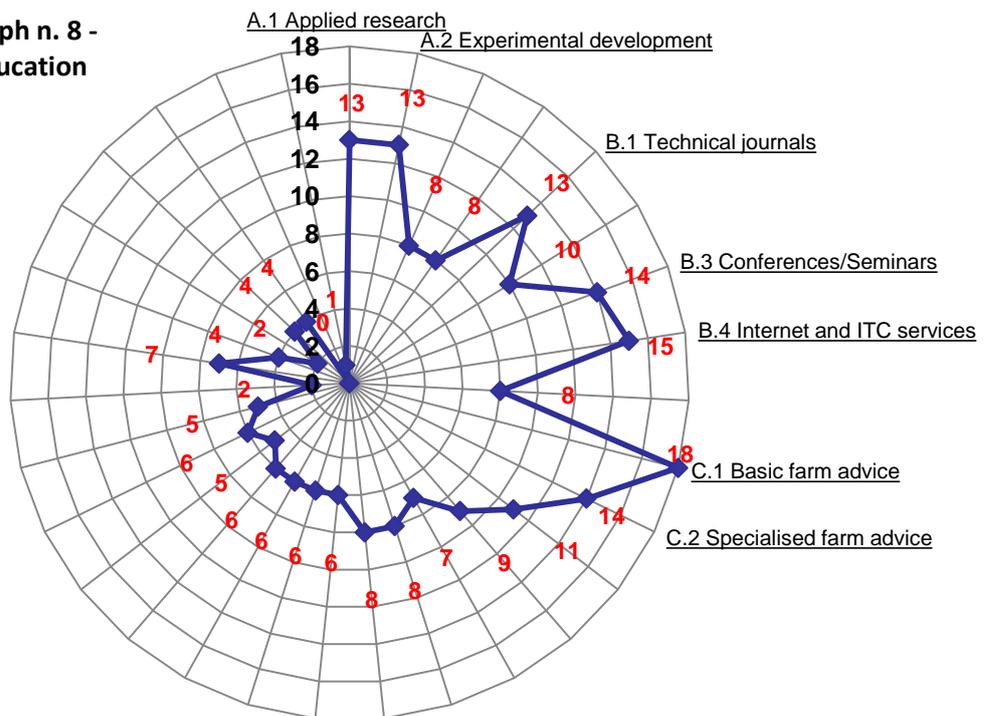
More complex is the «FAS» network. It's linked especially with «R&D» and «Information» (Internet and ICT), but also with «education» and «technological support»

**Graph n. 7 -
FAS**

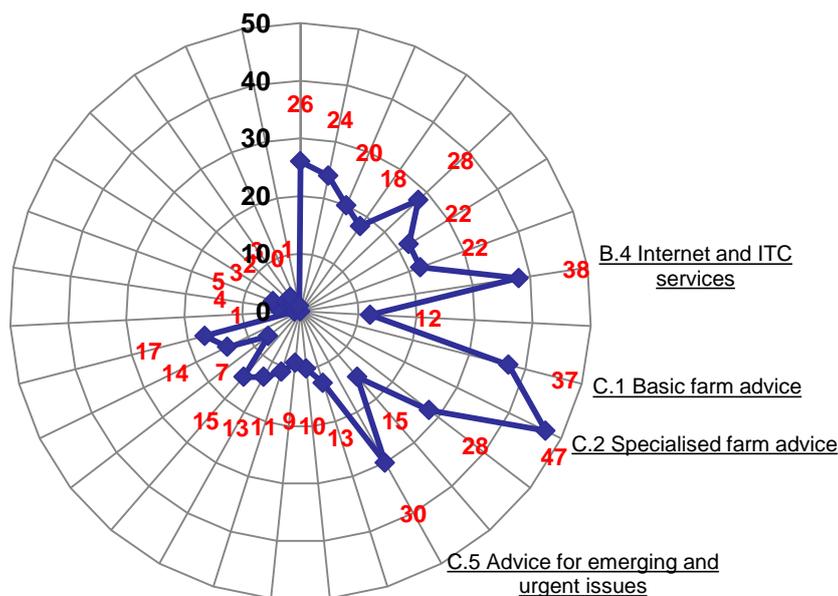


Less intensive, but more differentiated, are the «education» links that are connected with both «FAS» (basic), «Information» and «R&D»

**Graph n. 8 -
Education**



**Graph n. 9 -
High level support**



These described connections are:

- both formal and informal;
- promoted especially by laws, regulations and dedicated programmes/action plans;
- favored especially by “Specific needs of work/action” or “Ability/attitude of single actors” and less by “Specific needs coming from final users of innovation”;
- improved by “Dedicated funding opportunities”, “Market needs (final users ask for more than one service)” and “Compulsory rules”.

3.2. Contribution of the final beneficiaries to the implementation of AKIS strategies

Farmers contribute to the definition of AKIS strategies especially through their representative bodies and anyway “They participate if involved by other specific actors” .

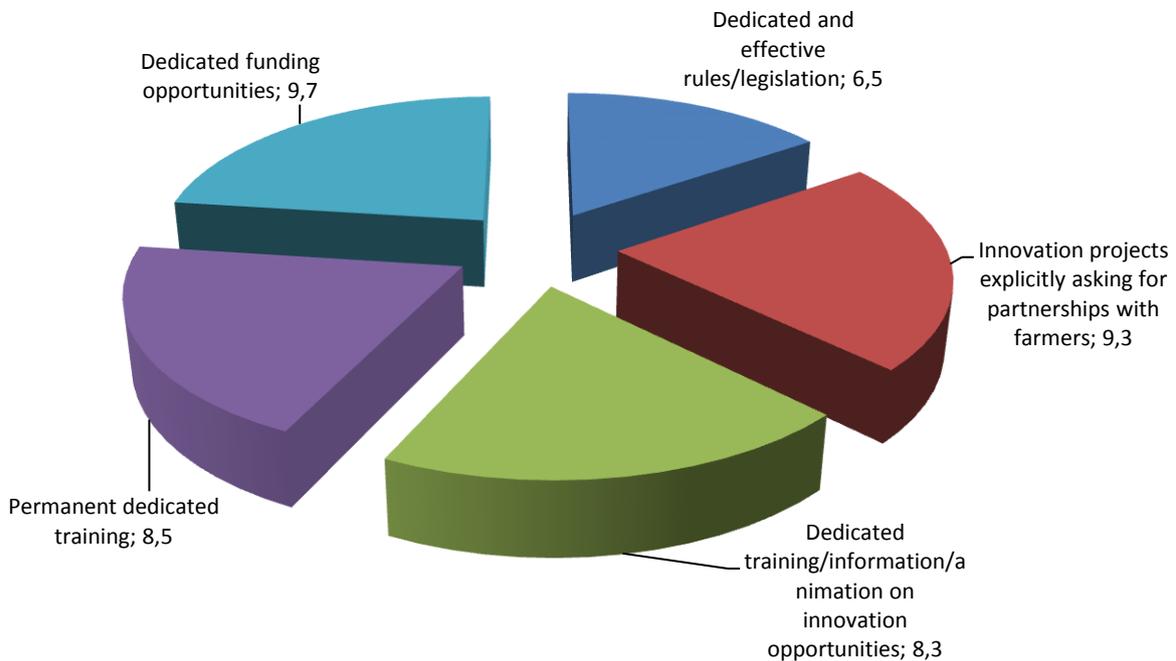
When they have an active role, they basically host experimentation and demonstration activities in their farms and in a minor number of national cases “Provide feedbacks on the quality of the services they received” and “Express their innovation and advice needs”.

Often they are passive because:

- ✓ they aren’t fully aware of the different possibilities of participating in AKIS,
- ✓ they don’t have the capability to express their innovation needs,
- ✓ they think that investments in innovation are too expensive or not convenient.

According to the opinion of the authors of the questionnaire, the tools and methods that could be adopted to make farmers more active and involved (Graph n. 10) are especially “Dedicated funding opportunities” and “Innovation projects explicitly asking for partnerships with farmers”

Graph n. 10
Tools and methods to improve farmer's participation in AKIS (score 1-10)



4. Proposal to stakeholders to support the editing of the participated research calls

The opinions of the authors of the questionnaire on the context more favorable to collaboration between different partners can be gathered in three main topics.

1. The role of networks in research projects (RP)

RP have complex partnerships in all countries, often are involved end-users (farmers, SMEs) having extra-points evaluation.

There are sectorial actions that link all the actors along the innovation chains (Spain), a specific institution (INRA) that realize programs upon the farmers need (Morocco).

2. Principal actors involved in research projects (RP)

Generally, researchers and farmers/SMEs are involved in RP, sometimes advisors and the technicians are involved too.

In Turkey, the Ministry of agriculture has two different plans for research and extension, but recently is getting more and more important multi-actors projects

3. Farmers innovation needs

The analysis of the farmers' needs is not very common, especially from a research perspective. There are some interesting experiences such as:

- the 13 Commissions of Programming and Evaluation of Research in Agriculture (CPERAs) in Tunisia,
- the process for the implementation of Strategic Plan for innovation and research in Italy, or
- the structural participation of farmers representatives in the Boards of Research Organisations (France) and in the Chamber of agriculture (Slovenia).

EU countries have highlighted how the current rural development policy can be an important opportunity to cover this topic.

The proposals that emerge from the questionnaire replies to improve calls for research and innovation are:

- result-oriented projects (Cyprus),
- mapping farmers needs and innovation capacity, use farms for experiments, rules for partnership (Croatia),
- design the call with the farmers' representatives and implement specific selection/evaluation proposals (France),
- bottom-up procedure for setting rules for the partnership creation, selection based on economical and developmental results (Greece),
- specific rules for the partnership creation, involving farmers even beyond their representatives (Italy),
- verify the value added processes and economic benefits of the projects (Malta),
- participation of several actors in the priority setting, relevance of the project, building partnership (Portugal),
- do research on real problems (Slovenia),
- participation of end-users from the beginning of the project (Spain),
- promote farmers association with engineer and technicians (Tunisia),
- encouraging creation partnership and addressing evaluation project on applicable innovation (Turkey).

Therefore, summing up the indications for the calls, we can indicate three main topics that could have positive effects to connect research and innovation:

- ✓ participation of end-users from the beginning of the project
- ✓ do research on real problems addressing evaluation project on applicable innovation
- ✓ specific rules for the partnership creation.

ANNEX – QUESTIONNAIRES

QUESTIONNAIRE FOR THE ANALYSIS OF THE AGRICULTURAL KNOWLEDGE AND INNOVATION SYSTEMS IN THE MEDITERRANEAN

ARIMNet2: Coordination of Agricultural Research in the Mediterranean

Task 5.1

Analysis of the Agricultural Knowledge and Innovation Systems in the Mediterranean / State of the art

Task leader:

INEA-IT (Anna Vagnozzi – vagnozzi@inea.it)

Contributors: GDAR-TR , IRESA-TN, and INRAA-DZ

The task aims at:

- *analyzing the formal and informal interactions (knowledge flows) between research – extension – farmers in each Mediterranean country;*
- *examining how research and farming practice are linked in selected countries.*

OBJECTIVE OF THE QUESTIONNAIRE:

- *Understanding the elements of the AKIS in the Mediterranean through the identifications of existing services to farms
Understanding who are the actors of the AKIS*
- *Understanding who supports and guides the AKIS, from the financial, political and strategic point of view*
- *Understanding the dynamics/flows animating the AKIS in the selected Countries*

Please, as participant of ARIMNET2, help us to collect preliminary info on the AKIS of your Country. The information you provide will be useful to calibrate a second-step survey to get more in-depth and qualitative information:

DETAILS OF THE COMPILER (box 1)
Country: <i>Click here to write in</i>
Name of the Organization/institution involved in ARIMNET 2: <i>Click here to write in</i>
Contact person (name – family name - email) (who filled in the questionnaire): <i>Click here to write in</i>

Please indicate here one Relevant Institution involved in the AKIS of your Country (and the name of a contact person) to complete the survey or to collect the information required in this questionnaire in case you cannot provide for them:

DETAILS OF ONE RELEVANT INSTITUTION INVOLVED IN THE AKIS OF YOUR COUNTRY (box 2)
Name of the Organization/institution involved in the AKIS of your Country (full name and acronym): <i>Click here to write in</i>
Website: <i>Click here to write in</i>
Brief description of the organization (public/private, funded by, main tasks etc. etc.): <i>Click here to write in</i>
Contact person (name – family name - email) (who can be contacted for further info): <i>Click here to write in</i>

Please, return the filled questionnaire within **June 13th** to: Francesco Ambrosini (ambrosini@inea.it)

For any question please contact: Danilo Marandola (marandola@inea.it) and Anna Vagnozzi (vagnozzi@inea.it)

SECTION 1 – TYPOLOGIES OF SERVICES PROVIDED FOR FARMERS (BOTH BY PUBLIC AND/OR PRIVATE BODIES)

1. Research and experimentation

- 1.1 Applied research
- 1.2 Experimental development
- 1.3 Analysis of the innovation need and/or demand in food and agriculture
- 1.4 Analysis of the socio-economic and cultural facts with respect to innovation
- 1.5 Other: *Click here to write in*

2. Dissemination and information

- 2.1 Technical journals
- 2.2 Specialised exhibitions, fairs
- 2.3 Conferences/Seminars
- 2.4 Internet and ITC services
- 2.5 Animation
- 2.6 Other: *Click here to write in*

3. Farm advisory services

- 3.1 Basic farm advice
- 3.2 Specialised farm advice
 - 3.2.1 Advice for specific process/product
 - 3.2.2 Marketing and commercial advice
 - 3.2.3 Advice for emerging and urgent issues
 - 3.2.4 Advice for managerial aspects
 - 3.2.4.1 Accounting
 - 3.2.4.2 Taxation
 - 3.2.4.3 Finance
 - 3.2.4.4 Specific support to access public support
- 3.3 Experimental demonstrations
- 3.4 Other: *Click here to write in*

4. Education, Extension and training

- 4.1 Technical/vocational school courses
- 4.2 Lifelong professional training
- 4.3 Occasional- professional training
- 4.4 Other: *Click here to write in*

5. High value system/support services

- 5.1 Environmental monitoring
- 5.2 Agro-meteorological services
- 5.3 Animal sanitary control
- 5.4 Monitoring and early warning for major plant pest and diseases

- 5.5 Product and process control
- 5.6 Soil quality analysis
- 5.7 Services for the organization of production chains
- 5.8 Financial services (banks, insurances)
- 5.9 High level ITC for farm management
- 5.10 Other *Click here to write in*

SECTION 2 – ACTORS AND STRUCTURE OF THE KNOWLEDGE AND INNOVATION SYSTEM

6. National governance

6.1 **Ministry of Food, Agriculture and Forestry**

- 6.1.1 Please, specify the name and the main competences of the body with reference to AKIS *Click here to write in*
- 6.1.2 Is this Ministry responsible for the definition of policies and strategies related to the AKIS? YES NO
- 6.1.3 Does this Ministry contribute to subsidize the AKIS? YES NO
- 6.1.4 Please, specify which one of the services listed in Section 1 falls under the direct competence of this Ministry:

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input checked="" type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

6.2 **Ministry of education/research**

- 6.2.1 Please, specify the name and the main competences of the body with reference to AKIS *Click here to write in*
- 6.2.2 Is this Ministry responsible for the definition of policies and strategies related to the AKIS? YES NO
- 6.2.3 Does this Ministry contribute to subsidize the AKIS? YES NO
- 6.2.4 Please, specify which one of the services listed in Section 1 falls under the direct competence of this Ministry:

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

6.3 Other Ministries involved in the AKIS (please indicate all the Ministries having a non-residual role in the AKIS) (i.e. Ministry of Environment, Ministry of Welfare, Ministry of economy etc.) (fill in this section for each one of the “other” ministries identified)

6.3.1 Please, specify the name and the main competences of the body with reference to AKIS [Click here to write in](#)

6.3.2 Is this Ministry responsible for the definition of policies and strategies related to the AKIS? YES NO

6.3.3 Does this Ministry contribute to subsidize the AKIS? YES NO

6.3.4 Please, specify which one of the services listed in Section 1 falls under the direct competence of this Ministry:

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
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<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
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		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

7. Regional/local governance

7.1 Does a regional/local level of governance exist for services listed in Section 1? YES

NO

7.1.1 Is the Regional/local authority responsible for the definition of policies and strategies related to the AKIS? YES NO

7.1.2 Does the Regional/local authority contribute to subsidize the AKIS? YES NO

7.2 If Yes, please specify which one of the services listed in Section one is managed through a regionalized/local governance system

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8. Role of AKIS actors

8.1 Please specify the category of services involving Public Universities/research centres

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.2 Please specify the category of services involving Private Universities/research centres

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.3 Please specify the category of services involving bodies representing farmers (Farmers' Unions, Producers' associations, Collective bodies)

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.4 Please specify the category of services involving NGOs

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.5 Please specify the category of services involving public service enterprises

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.6 Please specify the category of services involving private service enterprises

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.7 Please specify the category of services involving private firms producing agricultural inputs

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

8.8 Please specify the category of services involving private firms marketing agricultural products and food

Research and experimentation	Dissemination and information	Farm advisory services	Education, Extension and training	High value system/support services
<input type="checkbox"/> 1.1	<input type="checkbox"/> 2.1	<input type="checkbox"/> 3.1	<input type="checkbox"/> 4.1	<input type="checkbox"/> 5.1
<input type="checkbox"/> 1.2	<input type="checkbox"/> 2.2	<input type="checkbox"/> 3.2	<input type="checkbox"/> 4.2	<input type="checkbox"/> 5.2
<input type="checkbox"/> 1.3	<input type="checkbox"/> 2.3	<input type="checkbox"/> 3.2.1	<input type="checkbox"/> 4.3	<input type="checkbox"/> 5.3
<input type="checkbox"/> 1.4	<input type="checkbox"/> 2.4	<input type="checkbox"/> 3.2.2	<input type="checkbox"/> 4.4	<input type="checkbox"/> 5.4
<input type="checkbox"/> 1.5	<input type="checkbox"/> 2.5	<input type="checkbox"/> 3.2.3		<input type="checkbox"/> 5.5
	<input type="checkbox"/> 2.6	<input type="checkbox"/> 3.2.4		<input type="checkbox"/> 5.6
		<input type="checkbox"/> 3.2.4.1		<input type="checkbox"/> 5.7
		<input type="checkbox"/> 3.2.4.2		<input type="checkbox"/> 5.8
		<input type="checkbox"/> 3.2.4.3		<input type="checkbox"/> 5.9
		<input type="checkbox"/> 3.2.4.4		<input type="checkbox"/> 5.10
		<input type="checkbox"/> 3.3		
		<input type="checkbox"/> 3.4		

SECTION 3: OTHER INFORMATION

1. According to your opinion, which is the private/public body who plays a key-role in the AKIS of your Country? (please indicate the names of no more than 3 relevant competent institutions/organizations)

Click here to write in

2. Is there a public/private body who carries out research and analysis on the AKIS of your Country? (please indicate the names of no more than 3 relevant competent institutions/organizations)

Click here to write in

Please, return the filled questionnaire within **June 13th** to: Francesco Ambrosini (ambrosini@inea.it)

For any question please contact: Danilo Marandola (marandola@inea.it) and Anna Vagnozzi (vagnozzi@inea.it)

Thank you for your collaboration!

QUESTIONNAIRE FOR THE ANALYSIS OF THE AGRICULTURAL KNOWLEDGE AND INNOVATION SYSTEMS IN THE MEDITERRANEAN

STEP 2 Questionnaire: How does the AKIS work in your Country?

Analysing the links between actors of AKIS, depicting knowledge flows among them, identifying relevant barriers to innovation in agriculture

ARIMNet2 project:

Coordination of Agricultural Research in the Mediterranean

Task 5.1:

Analysis of the Agricultural Knowledge and Innovation Systems in the Mediterranean / State of the art

Task leader:

INEA-IT (Anna Vagnozzi – vagnozzi@inea.it)

Contributors: GDAR-TR , IRESA-TN, and INRAA-DZ

The task aims at:

- *analyzing the formal and informal interactions (knowledge flows) between research – extension – farmers in each Mediterranean country;*
- *examining how research and farming practice are linked in selected countries.*

OBJECTIVES OF THE QUESTIONNAIRE:

- *outline relationships among AKIS actors to identify barriers and opportunities to enhance efficiency and effectiveness of future EU joint calls for research proposals.*
- *Investigate the role of the private sector in AKIS dynamics*
- *understand how to foster cooperation and synergies among AKIS actors to promote the establishment and development of networks for innovation in agriculture.*

METHOD:

The Questionnaire follows a previous questionnaire sent to the representatives of ARIMNET2 project. The questionnaire was used to depict the structure of AKIS in in the selected Countries of the Mediterranean area. This second questionnaire, instead, represents a second-step of the survey aiming at a) analysing the formal and informal interactions (knowledge flows) between research – extension – farmers in each Mediterranean country, b) examining how research and farming practice are linked in selected countries.

DETAILS OF THE COMPILER (please indicate here your contact details)

Country: *type here*

Name of the Organization/institution: *type here*

Contact person (who filled in the questionnaire):

First Name: *type here*

Family Name: *type here*

Email address: *type here*

Please, return the filled questionnaire possibly **within 3rd February 2015** to: Mr. Francesco Ambrosini (ambrosini@inea.it)

For any question please contact: Dr. Anna Vagnozzi (vagnozzi@inea.it) or Dr. Danilo Marandola (marandola@inea.it).

1. LINKS AND RELATIONSHIPS AMONG AKIS ACTORS - Which elements positively contribute/negatively affect the establishment and development of networks among AKIS actors (Policy Makers – Service Providers – Final Beneficiaries) in your Country?

1.1 In your Country the AKIS is characterised by a complex combination of services and actors in each one of the three fields that compose the AKIS itself (research – training – advice): in your opinion, how can be considered the relationships between the different actors of AKIS ?

- very strong
- strong
- regular
- weak
- there are no relationships

1.2 Which are the services who show to be more interconnected among themselves? Please check the list below and type (close to the selected service) the code of one or more services from the same list interconnected with it.

A. Research and experimentation services

A.1 Applied research *Type here the code of any other interconnected service listed from A to E*

A.2 Experimental development *Type here the code of any other interconnected service listed from A to E*

A.3 Analysis of the innovation need and/or demand in food and agriculture *Type here the code of any other interconnected service listed from A to E*

A.4 Analysis of the socio-economic and cultural facts with respect to innovation *Type here the code of any other interconnected service listed from A to E*

B. Dissemination and information services

B.1 Technical journals *Type here the code of any other interconnected service listed from A to E*

B.2 Specialised exhibitions, fairs *Type here the code of any other interconnected service listed from A to E*

B.3 Conferences/Seminars *Type here the code of any other interconnected service listed from A to E*

B.4 Internet and ITC services *Type here the code of any other interconnected service listed from A to E*

B.5 Animation *Type here the code of any other interconnected service listed from A to E*

C. Farm advisory services

C.1 Basic farm advice *Type here the code of any other interconnected service listed from A to E*

C.2 Specialised farm advice *Type here the code of any other interconnected service listed from A to E*

C.3 Advice for specific process/product *Type here the code of any other interconnected service listed from A to E*

C.4 Marketing and commercial advice *Type here the code of any other interconnected service listed from A to E*

C.5 Advice for emerging and urgent issues *Type here the code of any other interconnected service listed from A to E*

C.6 Advice for managerial aspects *Type here the code of any other interconnected service listed from A to E*

C.7 Accounting *Type here the code of any other interconnected service listed from A to E*

C.8 Taxation *Type here the code of any other interconnected service listed from A to E*

C.9 Finance *Type here the code of any other interconnected service listed from A to E*

C.10 Specific support to access public support *Type here the code of any other interconnected service listed from A to E*

C.11 Experimental demonstrations *Type here the code of any other interconnected service listed from A to E*

D. Education, Extension and training

D.1 Technical/vocational school courses *Type here the code of any other interconnected service listed from A to E*

D.2 Lifelong professional training *Type here the code of any other interconnected service listed from A to E*

D.3 Occasional- professional training *Type here the code of any other interconnected service listed from A to E*

E. High value system/support services

E.1 Agro-meteorological services *Type here the code of any other interconnected service listed from A to E*

E.2 Animal sanitary control *Type here the code of any other interconnected service listed from A to E*

E.3 Monitoring and early warning for major plant pest and diseases *Type here the code of any other interconnected service listed from A to E*

E.4 Product and process control *Type here the code of any other interconnected service listed from A to E*

E.5 Soil quality analysis *Type here the code of any other interconnected service listed from A to E*

E.6 Services for the organization of production chains *Type here the code of any other interconnected service listed from A to E*

E.7 Financial services (banks, insurances) *Type here the code of any other interconnected service listed from A to E*

E.8 High level ITC for farm management *Type here the code of any other interconnected service listed from A to E*

Please provide here some comments concerning your indications :

1.3 Which are the actors who are more interconnected among themselves? Please check the list of actors below and type (close to the selected actor) the code of one or more other actors interconnected with it.

A. Ministry of Food, Agriculture and Forestry *Type here the code of any other interconnected actor listed from A to L*

B. Ministry of education/research *Type here the code of any other interconnected actor listed from A to L*

C. Other Ministries involved in the AKIS (please indicate the it _____) *Type here the code of any other interconnected actor listed from A to L*

D. Regional/local government *Type here the code of any other interconnected actor listed from A to L*

E. Public Universities/research centres *Type here the code of any other interconnected actor listed from A to L*

F. Private Universities/research centres *Type here the code of any other interconnected actor listed from A to L*

G. Farmers' Unions, Producers' associations, Collective bodies *Type here the code of any other interconnected actor listed from A to L*

H. Other NGOs (please indicate the it _____) *Type here the code of any other interconnected actor listed from A to L*

I. Public service agencies *Type here the code of any other interconnected actor listed from A to L*

J. Private service enterprises *Type here the code of any other interconnected actor listed from A to L*

K. Private firms producing agricultural inputs *Type here the code of any other interconnected actor listed from A to L*

L. Private firms marketing agricultural products and food *Type here the code of any other interconnected actor listed from A to L*

Please provide here some comments concerning your indications :

1.4 Are the interconnections/networks you indicated formal or informal?

- Formal
- Informal
- Both, hinging on the case

1.5 In case of formal interconnections/networks, who or what makes it so? (more than one choice is allowed)

- Rules, laws, regulations...
- Dedicated Programmes and action plans
- Organisational charts of the different bodies
- Human capital characteristics
- Governance strategies and typology of involved actors

Please provide here some comments:

1.6 In case of informal interconnections/networks, who or what makes it so? (more than one choice is allowed)

- Specific needs of work/action
- Ability/attitude of single actors
- Specific need coming from final users of innovation

Please provide here some comments:

1.7 Are existing interconnections/networks strictly hierarchical or dynamically articulated depending on needs?

- Strictly hierarchical
- Dynamically articulated depending on needs
- Both, hinging on the case

1.8 According to your opinion, which are the factors that enhance the establishment of networks among the actors of AKIS in your Country? (please type a score from 1 to 10)

- Centralized governance: *Type here the score from 1 (poor) to 10 (maximum)*
- Regionalized governance: *Type here the score from 1 (poor) to 10 (maximum)*
- Dedicated funding opportunities (i.e. projects looking for articulated partnerships): *Type here the score from 1 (poor) to 10 (maximum)*
- Market needs (final users ask for more than one service): *Type here the score from 1 (poor) to 10 (maximum)*
- Scarcity of funding opportunities: *Type here the score from 1 (poor) to 10 (maximum)*
- Compulsory rules: *Type here the score from 1 (poor) to 10 (maximum)*
- Other (please specify _____): *Type here the score from 1 (poor) to 10 (maximum)*

Please provide here some comments:

2. CONTRIBUTION OF THE FINAL BENEFICIARIES TO THE PROGRAMMING AND IMPLEMENTATION OF THE AKIS STRATEGIES -Which is the role for final beneficiaries? Which are the possibilities and typologies of participation for them?

2.1 Which is the role of the final beneficiaries in AKIS networks described above? (please type a score from 1 to 10)

- They don't participate at all *Type here the score from 1 (poor) to 10 (maximum)*
- They participate through their representative bodies *Type here the score from 1 (poor) to 10 (maximum)*
- They participate if involved by other specific actors *Type here the score from 1 (poor) to 10 (maximum)*
- They participate because since obliged by law/regulation/programmes *Type here the score from 1 (poor) to 10 (maximum)*

Please provide here some comments:

2.2 In general, according to your opinion, the final beneficiaries of AKIS (farmers, SMEs ect) can be considered active or passive subjects?

- Active
- Passive
- Both, hinging on the case

2.3 If final beneficiaries of AKIS can be considered active subjects, which is their role? (please type a score from 1 to 10)

- Express their innovation and advice needs *Type here the score from 1 (poor) to 10 (maximum)*
- Host experimentation and demonstration activities in their farms *Type here the score from 1 (poor) to 10 (maximum)*
- Provide feedbacks on the quality of the services they received *Type here the score from 1 (poor) to 10 (maximum)*
- Other (please specify _____): *Type here the score from 1 (poor) to 10 (maximum)*

Please provide here some comments:

2.4 If final beneficiaries of AKIS can be considered passive subjects, which can be the reason of their passiveness? (please type a score from 1 to 10)

- They don't have the capability to express their innovation needs *Type here the score from 1 (poor) to 10 (maximum)*
- They don't have any chance/way to actively participate *Type here the score from 1 (poor) to 10 (maximum)*

- They think that investments in innovation are too expensive or not convenient – they don't trust in innovation *Type here the score from 1 (poor) to 10 (maximum)*
- They aren't fully aware of the different possibilities of participation *Type here the score from 1 (poor) to 10 (maximum)*
- Other AKIS actors replace them in this participation role *Type here the score from 1 (poor) to 10 (maximum)*
- Other (please specify _____): *Type here the score from 1 (poor) to 10 (maximum)*

Please provide here some comments:

2.5 According to your opinion, if final beneficiaries of AKIS can be considered passive subjects, which tools and methods could be adopted to make them more active and involved? (please type a score from 1 to 10) (please type a score from 1 to 10)

- Dedicated and effective rules/legislation *Type here the score from 1 (poor) to 10 (maximum)*
- Innovation projects explicitly asking for partnerships with farmers *Type here the score from 1 (poor) to 10 (maximum)*
- Dedicated training/information/animation on innovation opportunities *Type here the score from 1 (poor) to 10 (maximum)*
- Permanent dedicated training *Type here the score from 1 (poor) to 10 (maximum)*
- Dedicated funding opportunities *Type here the score from 1 (poor) to 10 (maximum)*
- Other (please specify _____): *Type here the score from 1 (poor) to 10 (maximum)*

Please provide here some comments:

2.6 Is there a codified way for farmers and enterprises to express their innovation needs? If so, which are these ways? If not, who is designated to do that for them?

Please provide here your answer:

2.7 Please, provide here some examples of best practices to actively involve AKIS beneficiaries (farmers, enterprises...) in AKIS networks. In case of specific initiative, provide also a website if available

Please provide here your answer:

2.8 Please, provide here some examples of initiatives of correct and participated analysis innovation needs

Please provide here your answer:

3. RESEARCH PROGRAMMES AND INNOVATION SERVICES - Which dynamics and which environment to create the best coordination among research and farm innovation needs?

3.1 Does the support to agricultural research projects in your Country consider the need of creating networks or the need of involving final beneficiaries as a relevant feature for being funded? If so, in which way is this need considered?

Please provide here your answer:

3.2 Does the support to agricultural research in your Country consider important the creation of partnerships among different actors of the AKIS? If so, which kind of partnerships are privileged? Is there a category of privileged subjects among the potential beneficiaries of funding calls (researchers, advisors, farmers, SMEs)?

Please provide here your answer:

3.3 Does the support to agricultural research in your Country consider farmers' innovation needs? If so, in which way?

Please provide here your answer:

3.4 In your opinion, does the participation of farmers in AKIS networks solve the problem of self-referential research or not? Why?

Please provide here your answer:

3.5 In your opinion, which elements have to be considered when drawing funding calls for research and innovation to be more effective in terms of involvement of farmers and of quality of results? I.e. Rules for the creation of partnerships, criteria for the selection of projects etc.

Please provide here your answer:

3.6 Do research projects funded in your Country usually include also the innovation transfer phase or not? If so, in which way? (More than one choice is possible)

- Through dedicated publications and dissemination events
- Through the active participation of advisors in the projects
- Through dedicated demonstration or advisory actions to transfer innovation at farm level
- Other (please specify _____): *Type here the score from 1 (poor) to 10 (maximum)*

Please provide here some comments:

Thank you for your collaboration!

Please, do not forget to return the filled questionnaire possibly **within 3rd February 2015** to: Mr. Francesco Ambrosini (ambrosini@inea.it)

For any question please contact: Dr. Anna Vagnozzi (vagnozzi@inea.it) or Dr. Danilo Marandola (marandola@inea.it)