



# 1.A) Characteristics of the Italian AKIS

Starting from Pro-AKIS National posters and studies and IMPRESA country reports, explain:

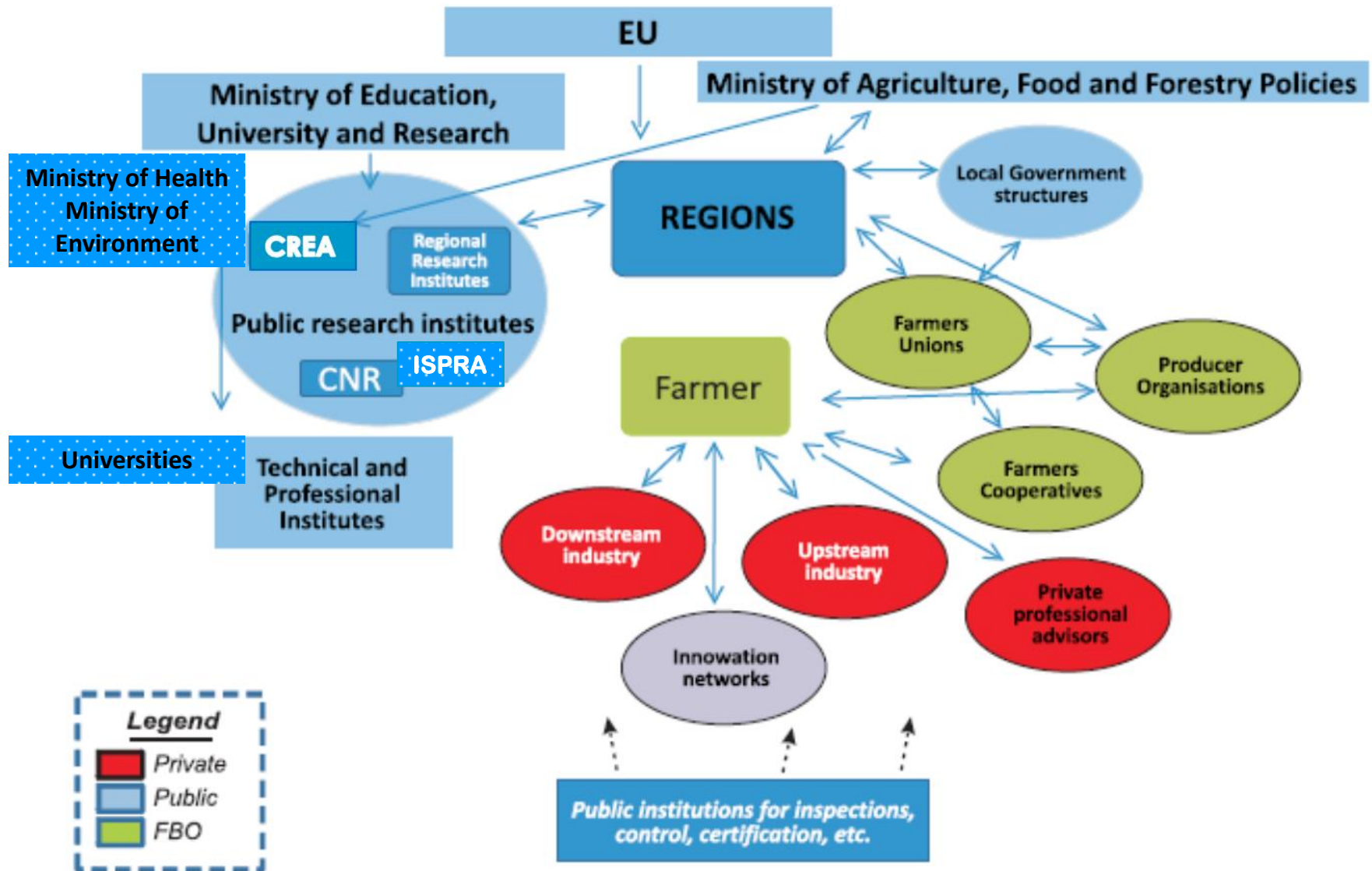
- **Main Characteristics:** i) regionalisation of the public advisory services; ii) concurrent jurisdiction over the R&D policies; iii) secondary and high educations are under state jurisdiction, while vocational education and extension are under regional administration.
- **Strengths:** i) national programming ensured by the National Plan for Research and Innovation in agriculture; ii) high territorial coverage in terms of structures and well trained staff; iii) good examples of public AKIS providing high level R&D and advisory service; numerous successful cases of bottom up innovation led by local networks.
- **Weaknesses:** i) poor coordination and duplication of efforts by key players; ii) limited financial sources; iii) severe reduction of public expenditure for advisory services, research and education, with indiscriminate cutting of human and technical resources; iv) lack of knowledge about the agricultural knowledge system, including absence of common DBs about services delivered and on-going research;
- **Main changes from 2012:** i) increased interest of academics and research to work on interactive innovations but main challenges are enhance coordination within the AKIS and support advisors' involvement;
- **Main Barriers and Bottlenecks hindering knowledge flows and uptake:** i) not sufficiently demand oriented – agricultural research does not often respond to real farmers' needs; ii) results are not properly communicated and on a large scale to potentially interested stakeholders.

## 1.B) What are the themes of interest nowadays and for the next 10 years in Italy?

### Different kind of themes

- **Sectors:** animal husbandry; dairy industry; cereal/rice cropping; horticulture; viticulture; olive growing/processing; forestry; flower growing; organic production
- **Cross-cutting/systemic themes:** water/soil management; biodiversity enhancement and protection; climate change; renewable energy/energy saving; supply chain integration; social innovation
- **Technological themes:** precision farming; enhancement of food quality and safety; biotechnologies/genetics
- **AKIS themes:** increase the adoption of innovative solutions and facilitate their dissemination; better address knowledge flows along the whole production/value/supply chain

# AKIS ACTORS AND FLOWS



## 2) Italian Infrastructures generating knowledge flows (1)

Kind of Infrastructure	Names	Places	Sector	Holder	Users	Funders
<b>Research (Lab, processes)</b>	<ul style="list-style-type: none"> <li>• 12 CREA/14 ENEA/2 CNR Research Deps + regional offices</li> <li>• Universities: 24 Deps of agricultural engineering/economy; 14 Vet deps</li> </ul>	All over Italy	All + cross-cutting	CREA CNR ENEA Regional Institutes	<ul style="list-style-type: none"> <li>• Research/Academics</li> <li>• Advisory services</li> <li>• Farms</li> <li>• Agri-food industries</li> </ul>	<ul style="list-style-type: none"> <li>• Ministry of Agriculture</li> <li>• National</li> <li>• ERDF</li> <li>• EARFD</li> </ul>
<b>Experimental stations</b>	<ul style="list-style-type: none"> <li>• CREA experimental centres</li> </ul>	<ul style="list-style-type: none"> <li>• All over Italy</li> </ul>	<ul style="list-style-type: none"> <li>• Agrifood</li> </ul>	<ul style="list-style-type: none"> <li>• CREA</li> </ul>	Agrifood sectors' stakeholders	<ul style="list-style-type: none"> <li>• Ministry of Agriculture</li> </ul>
	<ul style="list-style-type: none"> <li>• Networks of zootechnical/vet institutes</li> </ul>	<ul style="list-style-type: none"> <li>• All over Italy</li> </ul>	<ul style="list-style-type: none"> <li>• Animal welfare/live stock</li> <li>• Food safety</li> </ul>	<ul style="list-style-type: none"> <li>• Ministry of Health</li> </ul>	<ul style="list-style-type: none"> <li>• Cattle breeders</li> <li>• Agrifood industry</li> <li>• Consumers</li> </ul>	<ul style="list-style-type: none"> <li>• Ministry of Health</li> </ul>
	<ul style="list-style-type: none"> <li>• Regional networks of experimental entities</li> </ul>	<ul style="list-style-type: none"> <li>• All over Italy</li> </ul>	<ul style="list-style-type: none"> <li>• Agrifood</li> </ul>	<ul style="list-style-type: none"> <li>• Regional Administrations</li> </ul>	Agrifood sectors' stakeholders	<ul style="list-style-type: none"> <li>• Regional administrations</li> </ul>
	<ul style="list-style-type: none"> <li>• INNOVHUB</li> </ul>	<ul style="list-style-type: none"> <li>• HQs in Milan</li> </ul>	<ul style="list-style-type: none"> <li>• Oil and Fat</li> <li>• Paper and cartonboard</li> </ul>	<ul style="list-style-type: none"> <li>• Chamber of Commerce of Milan</li> </ul>	<ul style="list-style-type: none"> <li>• Agri food industry</li> </ul>	<ul style="list-style-type: none"> <li>• Chamber of Commerce of Milan</li> <li>• EU Research Funds</li> </ul>
	<ul style="list-style-type: none"> <li>• Regional Exp. Stat. for Grain cropping</li> </ul>	<ul style="list-style-type: none"> <li>• Sicily</li> </ul>	<ul style="list-style-type: none"> <li>• Grain</li> </ul>	<ul style="list-style-type: none"> <li>• Consortium: Sicilian chambers of commerce; Sicilian provinces</li> </ul>	<ul style="list-style-type: none"> <li>• Farms</li> <li>• Agrifood industry</li> </ul>	<ul style="list-style-type: none"> <li>• Sicilian region</li> <li>• Chambers of commerce; provinces</li> </ul>

## 2) Italian Infrastructures generating knowledge flows (2)

Kind of Infrastructure	Names	Places	Sector	Holder	Users	Funders
<b>Social media</b>	Twitter and FB			<ul style="list-style-type: none"> <li>Ministry of Agri</li> <li>Research Institutes</li> <li>NRN</li> <li>Chambers of Agriculture</li> </ul>	All RDI and farming sector	
<b>Observatory/ monitoring Networks</b>	Ob. Structural policies	All over Italy	<ul style="list-style-type: none"> <li>Agricultural and Environmental Policies</li> </ul>	Ministry of Agri	<ul style="list-style-type: none"> <li>Ministry of Agri</li> <li>Farming sector</li> <li>AKIS</li> <li>Regional RDP MAs</li> </ul>	<ul style="list-style-type: none"> <li>Ministry of Agri</li> </ul>
	RICA (FADN)			CREA – Policies&Bioeconomy centre		<ul style="list-style-type: none"> <li>EC</li> </ul>
	MITO2000			Fauna viva; D.r.ea.m. Italia; LIPU; CISO; EBCC		<ul style="list-style-type: none"> <li>Ministry of Agri</li> <li>Ministry of Env.</li> </ul>
<b>Digital infrastructure</b>	<ol style="list-style-type: none"> <li>AgriTrasfer portal</li> <li>DB of the regional agricultural research</li> <li>Portal of forestry research</li> <li>DB M124 projects</li> <li>National DBs re agriculture</li> </ol>	All over Italy	<ol style="list-style-type: none"> <li>Agribusiness (southern regions)</li> <li>Agribusiness</li> <li>Forestry</li> <li>Agriculture</li> <li>Agri/environment</li> </ol>	<ol style="list-style-type: none"> <li>1/2. CREA</li> <li>3. CREA – Forestry</li> <li>4. NRN</li> <li>5. Ministry of agriculture</li> </ol>	Farmers Research institutes Forestry holders Universities Regional admin Potential RDP Beneficiaries	<ul style="list-style-type: none"> <li>Ministry of agriculture/R egions</li> <li>Piemonte region</li> </ul>
<b>“Networks”: RMTs / GIS / Living Labs</b>	<ol style="list-style-type: none"> <li>National Rural Network</li> <li>Networks of the Research and of the Services in Agriculture</li> </ol>	All over Italy	ALL (II Pillar) + cross-cutting	<ol style="list-style-type: none"> <li>1. Ministry of Agriculture , CREA-PB</li> <li>2. Regions of Tuscany /Apulia</li> </ol>	Regional RDP MAs Farming sector AKIS	<ul style="list-style-type: none"> <li>EC/National co-funding</li> <li>Regional RDP MAs</li> </ul>

## 3.A) Italian Interactive Innovation schemes/networks

### ➤ National Clusters

- **group** main actors of the agrifood and related sectors;
- **support:** public/private partnerships for research and cooperation; national policies of strategic sectors; smart specialisation.

**National Cluster  
CLAN Agrifood**

**National Cluster SPRING  
Bioeconomy**

### ➤ Technological platform on organic agriculture (PTBio and PEI-AGRI-BIO)

- **Scope:** promote organic agriculture.
- **Members:** Italian Foundation for research and innovation in agriculture (FIRAB), certification bodies, farmers organisations; research institutes (CREA); farms

## 3.B) Italian Interactive Innovation projects

- **Integrated Supply Chain Projects (ISCP):**
  - planning tool aiming to support development of and integration within supply chains;
  - financially supported by EAFRD
  - relevance of M124 during the 2007-2013 programming period
- **AGRitrasfer in sud: Communities of practices** (11 supply chains)