

1.A) Characteristics of the Portuguese AKIS

- Portuguese AKIS is characterized by:
 - Large number and diversity of actors, with key-role of associative structures
 - Organizational fragmentation and little government intervention
 - Public institutions as the major knowledge providers: universities/polytechnic institutes and applied research centres from the Ministry of Agriculture
 - High dependency on R&I funding from the Ministry of Agriculture
 - Emerging soft infrastructures improving knowledge flows
 - Emerging technology based start-ups as innovation providers
- Changes:
 - Existence of both national and regional R&I Strategies for Smart Specialization
 - New stakeholders using innovation to meet their needs and soft infrastructures that have democratized access to innovation
- Barriers & Bottlenecks:
 - Weak cooperation between AKIS actors, specially between academic research and the farming sector
 - Need to review and consolidate the fragmented nature of the advisory services
 - Need to improve the farming sector commitment in soft/hard infrastructures

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

- **Sectors:** Olive oil, Wine, Forest, Vegetables and Fruits (tomato, orange, pear), Dry Fruits, Novel Crops
- **Cross-cutting/systemic themes:** sustainability and competitiveness of production; precision farming; water management and irrigation; genetic resources and biodiversity; soil (conservation, water, fertilization and mineral nutrition); climate mitigation and adaptation; forest management / fire control
- **Technological themes:** Hardware, Software, IoT, Apps, Big Data, Artificial Intelligence
- **AKIS themes:** Interactive innovation approach, Innovation advisory services

2) Portuguese Infrastructures

Kind of Infrastructure	Names	Sector	Holder	Users	Funders
Public sector	<ul style="list-style-type: none"> National and regional directorates of the ministry of Agriculture Local/regional agencies 	<ul style="list-style-type: none"> All + cross-cutting 	<ul style="list-style-type: none"> Ministry of Agriculture 	<ul style="list-style-type: none"> Private sector 	<ul style="list-style-type: none"> National and regional funds
Research & Education	<ul style="list-style-type: none"> Universities / Polytechnics Research centers Agricultural Technology Centers 	<ul style="list-style-type: none"> All + cross-cutting 	<ul style="list-style-type: none"> Ministry of Agriculture Ministry of Higher Education INIA 	<ul style="list-style-type: none"> All infrastructures 	<ul style="list-style-type: none"> National and regional funds Private sector
Private sector	<ul style="list-style-type: none"> Farmers Farm businesses Farm input and equipment companies Private consultancy firms 	<ul style="list-style-type: none"> All + cross-cutting 	-	-	-
Associative structures	<ul style="list-style-type: none"> Farmers associations and confederations Farmer cooperatives Clusters Competency Centers Operational Groups 	<ul style="list-style-type: none"> All + cross-cutting Competency centers: Tomato industry; Cork oak and cork; Stone pine and pine nuts; Maritime pine; Apiculture; Dry fruits; Wool; Wild resources; Black Iberian pigs and Montado's ecosystem; Oak and other native hardwoods 	<ul style="list-style-type: none"> INOVISA PTFresh PortugalFoods AgroCluster do Ribatejo InovCluster CAP Confagri AJAP ... 	<ul style="list-style-type: none"> Private sector Ministry of Agriculture 	<ul style="list-style-type: none"> Private sector
Platforms & networks	<ul style="list-style-type: none"> National Rural Network Rede INOVAR SKAN – Sharing Knowledge in Agrifood networks 	<ul style="list-style-type: none"> All + cross-cutting 	<ul style="list-style-type: none"> Ministry INOVISA 	<ul style="list-style-type: none"> All infrastructures 	<ul style="list-style-type: none"> Ministry INOVISA and other stakeholders

3.A) Portuguese Interactive Innovation Schemes/networks

- **Portuguese Competency Centers:** groups on specific themes (national priorities) promoted by the Ministry of Agriculture and with an interactive innovation approach to raise the level of existing knowledge;
- **Portuguese AgroFood Cluster:** gathers existing Portuguese clusters around a common strategy to enhance the national agrifood sector's innovation, competitiveness and internationalization;
- **Subgroup on innovation - Portuguese Rural network:** multi-stakeholder advisory group that cooperates with the National Rural Network to support innovation throughout the RDP 2014-2020;
- **Rede INOVAR:** the Portuguese Agro, Food and Forestry Innovation Network focused on knowledge and technology exchange between researchers, farmers, entrepreneurs and associative structures connected to the agriculture, food and forestry sector, at a national level;
- **SKAN:** a network of networks that amplifies Rede INOVAR's results by promoting knowledge and technology exchange between Europe, Africa and Latin America in the agriculture, food and forestry sector.

3.B) Portuguese Interactive Innovation projects

- **Innovation projects for the private sector (Portuguese RNP 2007-2013):** one of the most successful calls of the RNP 2007-2013 with an execution rate of 94% (340 projects ≈ 52 M€);
- **Rural MOV (Portuguese RNP 2007-2013):** a project that selected and disseminated the best business investment projects funded by the Portuguese RDP 2007-2013. The top 30 projects were disseminated through a digital catalogue and a promotional video;
- **AgroFood 3.0 (Portuguese RNP 2007-2013):** a web platform to share technical information and knowledge with stakeholders in the agriculture, food and forest sectors, using digital contents - mainly video - and the Internet as the main communication channel;
- **The “Frutologia Sumol Compal” Center:** an initiative from a Portuguese food and beverage company that brings together both public and private entities to enhance the national fruit sector; includes research initiatives, training and awareness to stimulate innovation;
- **MBIA – Mcdonald’s Business Initiative for Agriculture:** a multi-actor project to share knowledge and boost innovation by promoting proximity between farmers and the national entrepreneurship ecosystem;
- **Portuguese Operational Groups:** 500 projects applied to a first stage of the national call (32 M€).



**THANK YOU FOR YOUR
ATTENTION!**