



SCAR SWG AKIS

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Main results and forthcoming activities

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ERND - BUDAPEST - 04/10/2016



Content

- Background of the SCAR and the SWG AKIS
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- AKIS 4 – an ambitious mandate

Background of the SCAR and the SWG AKIS

- 1974: Standing Committee on Agricultural Research (SCAR):
Representatives of Member States and associated Countries that advise the European Commission and Member States on coordination of agricultural research
- 2005: SCAR started "Foresight" exercises
- 2006, Krems (Austria): “ [SCAR to] include **questions of advisory services, education, training and innovation in their discussions**”

Background of the SCAR and the SWG AKIS

- 2007 - 1st SCAR Foresight: *“The mounting challenges facing the agri-food and rural sectors in Europe **calls for a review of the links between knowledge production and its use to foster innovation**”*
- 2009 – The 2nd SCAR Foresight shed a rather crude light on the current state of Agricultural Knowledge Systems in Europe: “currently unable to absorb and internalise the fundamental structural and systemic shifts that have occurred. **The remaining publicly funded AKIS appear to be locked into old paradigms based on linear approaches and conventional assumptions.**”
- Currently: a changing policy context: the financial crises, global food security, the EU 2020 strategy: “Smart, sustainable, inclusive growth”, European Innovation partnership, CAP post 2013

AKIS 1 – a reflection paper

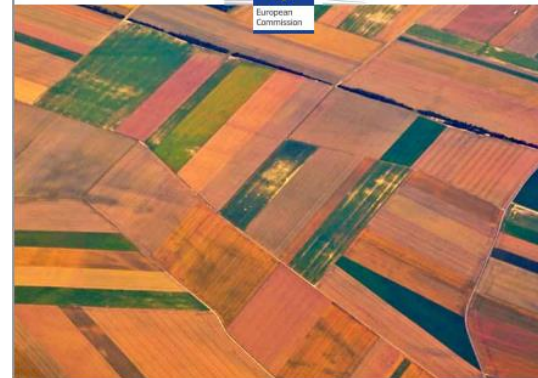
- AKIS 1-Key messages
 - **Systems very different between countries, regions and sectors.**
 - **No guarantee they are fit to challenges** posed by the need to increase productivity and sustainability.
 - **Different parts of AKIS face different challenges and are governed by different incentives:**
 - Education: weakly connected to Research, extension & Business.
 - Applied research: reviewed on scientific output, much less on practical relevance.
 - **Networking and cooperation** between research and extension or farmers groups is crucial
 - **Agenda setting by farmers and food business** more Important than just more research dissemination



http://ec.europa.eu/research/bioeconomy/pdf/ki3211999enc_002.pdf

AKIS 1 – a reflection paper

- **AKIS 1-Key messages**
 - **Science driven research Vs. Innovation driven research**
 - AKIS Coherent policies policies are scarce
 - **CAP should allocate budget to encourage innovation driven research** with empowerment of (groups of) Farmers
 - **H2020** could focus on science-driven agricultural Research
 - **Linkage between H2020 and CAP** should guarantee the collaboration between both types



**Agricultural Knowledge
and Innovation Systems
in Transition – a reflection paper**

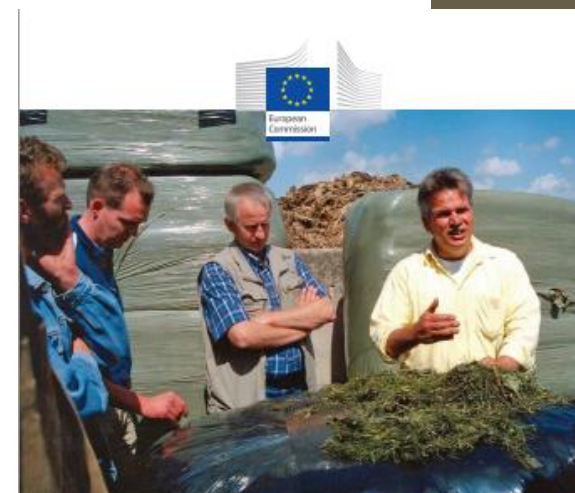
Standing Committee
on Agricultural Research (SCAR)
Collaborative Working Group AKIS

AKIS 2 – Towards 2020

AKIS 2-Key messages:

- **AKIS need to innovate themselves** and adopt new ways of working to address the challenges.
- **Governments can stimulate innovation by implementing the EIP through operational groups** that work in a participatory way. This should be translated in an instrument portfolio that:
 - **Gives incentives** for research, development and innovation;
 - **Stimulates knowledge exchange**, adoption of innovation, technical application in the production process;
 - **Supports the activities of facilitators**, innovation brokers and tutoring paths for farmers to implement innovations;
 - Value the **input and knowledge of farmers**;
 - Supports operational groups also to develop **cross-border interactions**;
 - Invests in **AKIS-subsystems** that have been underdeveloped in the specific national or regional situation.

http://ec.europa.eu/research/bioeconomy/pdf/agricultural-knowledge-innovation-systems-towards-2020_en.pdf



Agricultural Knowledge and Innovation Systems Towards 2020

Standing Committee on Agricultural
Research (SCAR)
Collaborative Working Group AKIS-2

= an orientation paper
on linking innovation
and research

AKIS 2 – Towards 2020

AKIS 2 – Outcomes

Main project paradigms of the EIP-AGRI

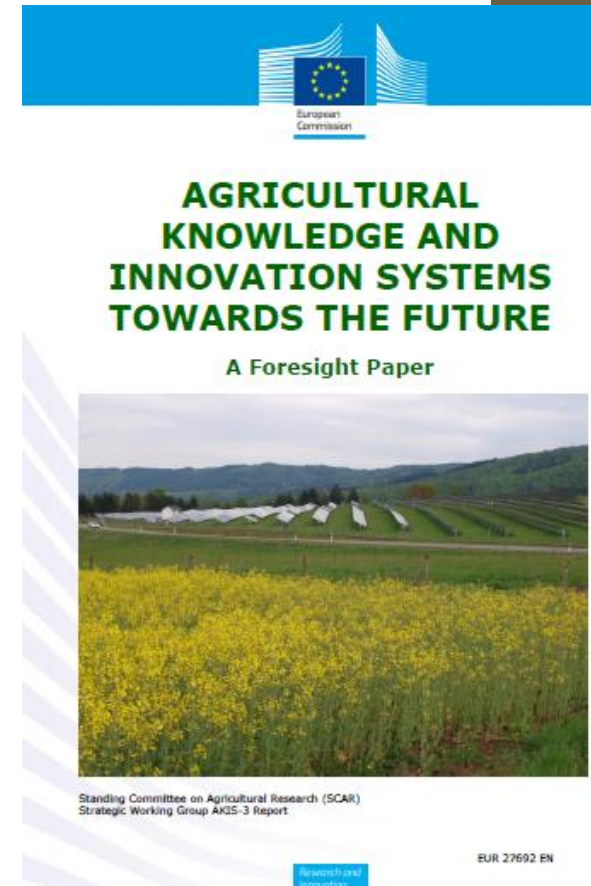
- Operational Groups (OG): EARDF (Measure 16)
- Multi-Actors Projects (MAP) - RIA: Horizon 2020 (40% in SC2)
- Thematic Networks (TN) - CSA : Horizon 2020 (5 projects a year)

AKIS 3 – a foresight paper

AKIS 3-Key messages

AKIS Organisation:

- **Public authorities have a range of responsibilities** and many options for action when it comes to organisation and governance of AKIS
- **Farmers in pluralistic AKIS need support for “finding their way around”** (among public and private providers of advice)
- **Big Data and other ICT developments** will not only influence agriculture but also science, research and development and the innovation processes **within the AKIS.**
- Agriculture should not be treated as an isolated entity, **but AKIS should identify cross-overs** (ICT, Food and other bioeconomy related sectors).
- More efforts are needed to enhance explicit **links between the knowledge system and the education system**



AKIS 3 – a foresight paper

AKIS 3 - Key messages

Policy framework for AKIS governance:

- Research funding should facilitate **cross-overs to other research field** (interactive, transdisciplinary innovation, research and development processes)
- Further explore **Public – Private Partnerships** in research and innovation programmes for agriculture
- **Excellent Research Infrastructures** are relevant.
- **International collaboration** is attractive for cross-fertilization.
- **A real European Research Area** is a prerequisite for many of the actions suggested above.

RESEARCH ISSUES

- **Research on ICT including E-Science**, and especially its governance and interoperability is needed.
- **Social sciences, including economics**, are an important discipline, not to be neglected in programming research

AKIS 4 – an ambitious mandate

1. Improve the integrated approach within the European AKIS and the implementation of the EIP

Emphasize on the connection between the EU, the national and the regional dimensions.

- Complementarities and synergies among EU funds (H2020-EAFRD-EFRD-ESF-Education)
- Thematic interconnection and collection of expertise of interactive innovation projects at different levels
- AKIS supporting Infrastructures
- ▶ **Studies to be developed**
- Further development of the EIP approach. With a consideration to cross cutting issues:
 - ***New approaches for agricultural education systems (Policy brief)***
 - ***Future of Advisory services (Policy brief)***

AKIS 4 – an ambitious mandate

- 2. Learning and feedback from interactive project approaches (multi-actors projects, thematic networks, operational groups)**
 - Insights for potential developments of these projects approaches (Seek for interactions with the H2020 mid-term evaluation)

- 3. Better address the knowledge flows along the whole production/value/supply chain (together with SCAR SWG Food systems)**
 - > Reflection on more “integrated” approach along the value chain.

- 4. Cross-fertilization with other EIPs and sectors**
 - Improved methodology (tools) fostering and boosting the Innovation processes.

AKIS 4 – an ambitious mandate

5. Analyzing the perspective of AKIS in Food and Nutrition Security and Sustainable Agriculture across developing countries (together with SCAR ARCH Group)

➤ Based on the interactive innovation approach, explore (successful) experiences from other countries that could be scaled up and investigate how to influence the (common?) research agendas.

6. Monitoring interactive innovation policies and benchmarking for sustainability (OECD countries) (together with SCAR ARCH Group)

➤ analyze and discuss trends and evaluation systems and formulate indicators for interactive innovation in collaboration with OECD, IMPRESA and IMPRES projects

AKIS 4 – 2016 activities

- KoM (Bruxelles - January 2016)
- AKIS meeting on **Synergies and first experiences of OGs** (Barcelona – April 2016)
- AKIS Meeting on **further Development of the EIP Approach** (Advisory Services & Education) + **Impact + Food Chain** (Bruxelles – June 2016)
- AKIS meeting in Budapest on **AKIS / Knowledge Infratsructures / Thematic Inter- connection of Interactive Innovation projects** (Budapest - October 2016)
- ARCH / AKIS / FOOD Systems Meeting : **Pre-event of the FOOD 2030 Conference** (Bruxelles - October 2016)
- ARCH / AKIS meeting on **“Impact” with IMPRESA / IMPRES** projects (Bruxelles - November 2016)
- More upcoming activities for 2017...

On behalf of the members of the SCAR AKIS group

THANK YOU FOR YOUR ATTENTION!

