



SCAR

AKIS

Agricultural Knowledge
and Innovation Systems

SWG AKIS 4.0

Strategic Working Group on
Agricultural Knowledge and Innovation Systems

**HIGH IMPACT
KNOWLEDGE RESERVOIRS**

Brussels Meeting – 30th to 31st October 2018

DR. SYLVIA BURSENS (AGROLINK FLANDERS)

PROF. DR. IR. PIETER SPANOGHE (GHENT UNIVERSITY)

Experiences from TNs (Lisbon October 2017)

- ▶ **Winenetwork** (Eric Serrano, IVF, France): Closing the research and innovation divide, the crucial role
- ▶ **Smart AKIS** (Spyros Fountas, AUA, Greece): mainstreaming digital farming for a climate smart agriculture in Europe
- ▶ **Sheepnet** (Jean-Marc Gauthier, Idèle, France): Sharing expertise and experience towards sheep productivity through networking

Experiences from TNs:

- ❑ **Diversity** of dissemination material in a TN and between different TNs (some have more impact than others)
- ❑ **Duplication** of efforts between thematic networks
- ❑ **Widening** and broadening of dissemination of outputs and results from TNs needed
- ❑ **Networks** needed for benchmarking and international cooperation (integration of different data at several levels)
- ❑ **Stronger and more interaction** with other H2020 projects needed (TNs, multiactor) and OGS
- ❑ **Sustainability** needed

3 Parallel sessions

1. Coordinating common issues for TNs
2. Constructing multi-actor consortia including synergies
3. Practical/financing/administrative aspects

High Impact Knowledge Reservoir

- ▶ A **knowledge reservoir** (KR) is a collection of best materials, practices, instruments, methodologies and tools, that contribute to the use of innovative solutions for sustainable agriculture and forestry
- ▶ A **high impact knowledge reservoir** (HIKR) strives to maximize impact through best content, structure and methodologies focused on urgent end user needs. It provides the best ways, channels and tools, to reach the end user (farmer, forester, and advisors).

High Impact Knowledge Reservoir (HIKR)

- ▶ How should a HIKR be designed? (structure, dissemination materials, best format and content, EIP-AGRI abstract? Who is the target? End-user? Profile of the end-user?)
- ▶ Technical guidelines needed on how to produce a high impact knowledge reservoir (HIKR)
- ▶ Long term: develop a European open source system (European repository system for agricultural knowledge) based on users end needs, build interfaces between different TNs or HIKRs, link to NRNs, multi-actor H2020 and OGs

EURAKNOS: towards a European Agricultural Knowledge Open Source System

- ▶ Connecting all TNs and looking for a common format
- ▶ Coordinator Prof. Dr. Pieter Spanoghe (Ghent University)
- ▶ Kick off 10 and 11 January 2019 (2019-2021)
- ▶ Continuation, in 2019 topic (RUR-17-2019: Reinforcing the EU agricultural knowledge base



EURAKNOS

EURAKNOS objectives

- ▶ **To widen and connect** existing multi-actor TNs as knowledge reservoirs within the Agricultural European Innovation Partnership (EIP-AGRI) and beyond **through knowledge exchange and cross sectorial linkages and cross-border visits** (including Eastern and Western Europe exchanges)
- ▶ **To collect and evaluate (analyse and compare) the knowledge, materials and tools** that have been produced by thematic networks, also reaching out to linked operational groups (OGs) and multi-actor projects
- ▶ To develop **a harmonised approach** through technical guidelines on how to make a **TN high impact knowledge reservoir (HIKR)**

EURAKNOS objectives

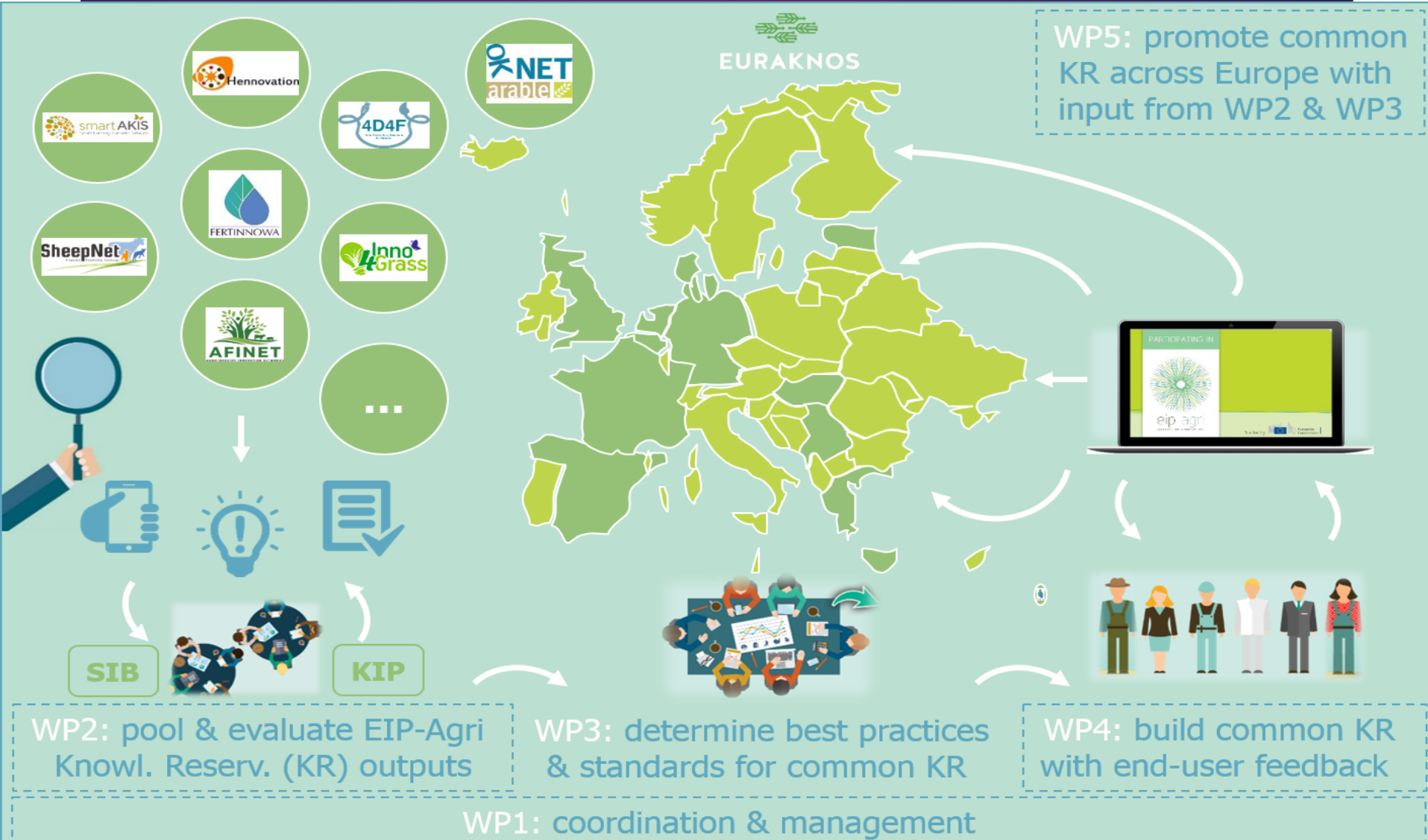
- ▶ **To explore the possibility and added value** of creating an EU-wide dynamic open source agricultural knowledge innovation data base, an **e-Knowledge Reservoir Platform (e-KRP)**, with readily applicable knowledge for the end-user (farmers, foresters, and advisors)
- ▶ **To facilitate and support TNs helping them with start up tools and securing the longevity** of the project outcomes through linking to other TNs and similar initiatives at EU and national level, and feeding into national educational and training programmes

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multi-actor consortium

- ▶ Ghent University (BE), Royal Agriculture University (UK), Acta (FR), Agricultural University of Athens (GR), IFOAM EU (SE), Innovation for Agriculture (UK), Idèle (FR), University of Santiago de Compostela (ES), ICROFS (DK), Center for Rural Development (EST), Hungarian Chambre for Agriculture, Leap Forward (BE), Agrolink Flanders/EV ILVO (BE), Gruenlandzentrum (DE), AKI (HU), PSKW (BE)
- ▶ **16 partners**
- ▶ **10 MS**
- ▶ **10 TN coordinators + linkages MAA H2020**

EURAKNOS= Network of the networks



AG DATA of TNs

TN/Dissemination material	Impact Number	AFINE T	FERTIN NOW A	Smart - AKIS	Sheep Net	Henn ovatio n	OK- Net Aroabl e	4D4F	WINE- NETW ORK	INNO- GRAS S	
Website	Nr	1	1	1	1	1	1	1	2 (web +KR)	1	
	Imp	+++	++	+++	++	++	+	?	+++	+++	
You tube	Nr	10	12	N/A	11	4	16	30	157 videos	104	
	Imp	++	--	N/A	?	+++	+++	++	++ (562 views)	++	
EIP-AGRI Practice abstracts	Nr	20	104	55	0	38	50	100	60	100	
	Imp	Pending	?	?	?	?	++	+++	+	?	
Newsletter	Nr	6	6	5	6	4	0	26	4: in language	7 Not defined	
	Imp	++	+++	++	++	++	N/A	+++	+++	++	
Fact sheets	Nr	40	25	N/A	0	8	50	36 (12 best pract guides , 24 Info graphics)	24 leaflets	48	
	Imp	+++	?	N/A	N/A	+++	++	++	++	+++	
Press releases and articles	Nr	40	46	68	14	20	150	100	163	10	
	Imp	++	+++	?	++	+++	+++	+	+++	+++	
Scientific papers	Nr	10	5	6	0	3	3	0	3	10	
	Imp	Pending	?	++	?	++	++	N/A	++	++	
Technology review documents	Nr		136	1300 (techn. cards)	0		1	240 (tools)	12 ppt: in 7 language	5 Grass- land Sup. Decision Systems	
	Imp		?	+++	N/A	N/A	+++	N/A	++	?	
Technology database	Nr		250 entries	1 Smart-AKIS platf.	0	0	240 entries	1 Farm knowl platform	531 docs in KR	Stakeholder database	
	Imp		+++	?	N/A	N/A	++	++	++	?	
Reports exchanged technologies	Nr	3	25	0	0	0	1	0	5 cross exchange	25	
	Imp	N/A	?	N/A	N/A	N/A	?	N/A	+++	?	
	Nr	3	Social	1 Ferti gation	N/A	0	0	1 Social	N/A	1 radio	Encyclopedia

EURAKNOS WORK



▶ WP 2

1. **Data** impact assessment of TNs
2. Design of knowledge **reservoirs** within current and past
3. **Dissemination, communication** and **information** strategies
4. **Multi-actor** approach

- **State of the art** “Exchanging and compiling **know-how TNs**”
- **Future art** “**HIKR TN technical guidelines**”

WP 3

1. **HIKR** data best practices and methodologies
2. Design of a **HIKR**
3. **HIKR** dissemination, communication and exploitation strategies
4. **HIKR** Multi-actor approach

EURAKNOS WORK



FUTURE

▶ WP 4

1. Feasibility and added value of a **new e-KRP**
2. Design and development of a **prototype e-KRP**
3. **Conceptualization** of the future vision for the e-KRP

WP 5

1. **Communication** activities
2. **Dissemination** and Exploitation
3. **Networking**
4. TN **Cross-exchange**

STRATEGIC INNOVATION BOARD (SIB): What and how?

- **What?** SIB acts as main source of neutral (external) advice to the project:
 - ✓ Advise on project execution
 - ✓ Advise on dissemination and training needs
 - ✓ Support consortium in the advocacy of EURAKNOS policy recommendations
- SIB's strategic advice will be based on links with national, regional and international initiatives and the outcomes of the KIP assessments
- **How?** The SIB will work closely with the Management Board (MB) through meetings and workshops: continuous feedback on the project's research (knowledge exchange) approaches towards the generation of exploitable results and recommendations



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STRATEGIC INNOVATION BOARD (SIB): Who?

- The SIB will consist of ca. 10 external representatives of various European and international organizations active in the domain of the EURAKNOS objectives
- The SIB will consist of experts from international organisations such as FAO and OECD, European farmer and advisors organisations such as EUFRAS, CEJA, and COPA COGECA



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The Knowledge Innovation Panel (KIP)

- **What?** Assist EURAKNOS in assessment and evaluation of existing networks and to come up with a harmonised approach, best format, tools, and ways to collect and disseminate knowledge oriented to the end-users' (farmers and foresters) needs.
- **How?** The KIP will be consulted regularly on a modular basis through workshops, surveys and WG meetings (selected KIP members for selected activities)



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The Knowledge Innovation Panel (KIP): Who?

- Half of the KIP members are endusers (farmers, foresters, advisors). Before the first assembly of the EURAKNOS kick-off meeting a definite and additional selection of candidates will be made based on their additional value to the project
- KIP is composed of representatives of different organisations (NGOs, government agencies, chambers of agriculture, extension services, research organisations, with a strong core group of end-farmers and advisors
- KIP expert (reserve) list of about 100 members that can be consulted at an ad hoc and modular basis according to the needs of a planned activity (workshops, interviews, surveys, demo testing etc.) with a maximum of 40 persons per activity
- List of 127 members



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SWG AKIS: What?

- ▶ We will **need your collective intelligence of the SWG AKIS** and therefore we hope that you join us in this exercise supporting a growing EU AKIS
- ▶ EURAKNOS supports several elements in the **AKIS 5 mandate**
 - ✓ **Digitisation**
 - ✓ **Education**
 - ✓ **Multi-actor approach**
 - ✓ **Networking**

Thank you for your attention!



Sylvia.Burssens@agrolink-vlaanderen.be

Pieter.Spanoghe@ugent.be

Nathan.Degeyter@ugent.be