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CONFERENCE 2023

European Commission

Breakout session 7

Bridging the gap between R&I and practice: tools and skills for today's and future generations

Please check whether the **BOS7 is indicated on the back of your badge** and, if so, take a seat according to your main interest

TABLE 1.1 Skills

TABLE 2.1 Multi-actor approach

TABLE 3.1 Place-based innovation

TABLE 4.1 Knowledge reservoir & networks

TABLE 1.2 Skills

TABLE 2.2 Multi-actor approach

TABLE 3.2 Place-based innovation

TABLE 4.2 Knowledge reservoir & networks

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Please take a seat according to your main interest

TABLE 1.1
Skills

TABLE 2.1
Multi-actor approach

TABLE 3.1
Place-based innovation

TABLE 4.1
Knowledge reservoir & networks

TABLE 1.2
Skills

TABLE 2.2
Multi-actor approach

TABLE 3.2
Place-based innovation

TABLE 4.2
Knowledge reservoir & networks

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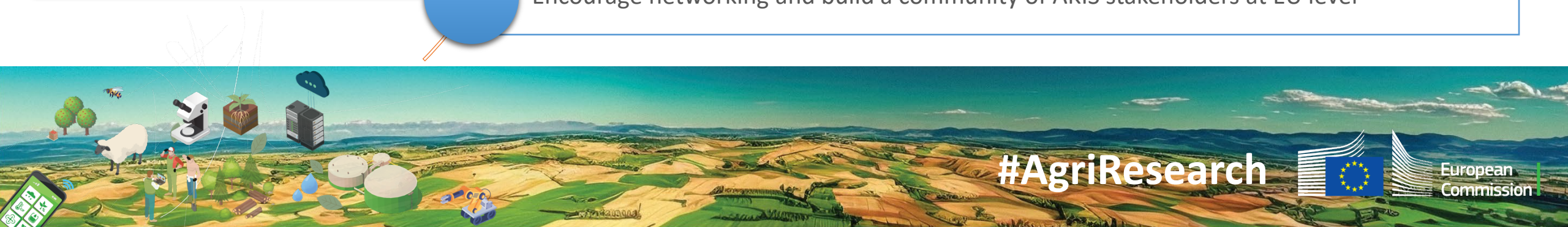
Objectives & expected outcome

Co-create a **list** of potential priority **R&I actions** and an improved **landscape of tools** to be considered in the **future EU R&I programming**

Outline the challenges and opportunities for co-creating knowledge, innovation and skills wider and at faster pace to achieve the progress required by the European Green Deal

Showcase and exchange on the R&I actions and tools implemented under Horizon

Reflect how to further improve and develop the landscape of R&I actions and tools

Encourage networking and build a community of AKIS stakeholders at EU level

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Your ideas are essential for Horizon Europe and beyond

Co-creation
with you all

Strategic Plan 2025-2027

Work Programme(s)
2025 to 2027

Next EU R&I Programme and CAP
after 2027

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Agenda

13:00 – 13:10	Welcome	
13:10 – 13:20	Keynote speech	Part I
13:20 – 13:30	Presentation	
13:30 – 14:10	Panel discussion	Part II
14:10 – 15:30	Co-creative discussion	

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Keynote speech

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Anikó Juhász

« Challenges and opportunities related knowledge, innovation and skills supporting farmers, foresters and rural communities in the twin transition – AKIS under the CAP »

WHAT challenges? Twin - **green** and digital - transition

1. Fair revenues in agriculture
2. Increasing the competitiveness of the sector
3. More balanced power relations in the food chain
4. Climate action
5. Sustainable use of natural resources
6. Landscapes and conservation of biodiversity
7. Support for generational renewal
8. Economic recovery in rural areas
9. Food quality and health protection

+Cross Cutting Objective: Modernisation - AKIS

Green Deal CAP connection through F2F and Biodiversity Strategy

Green Deal targets (2030)

-50% pesticide use

25% organic agriculture

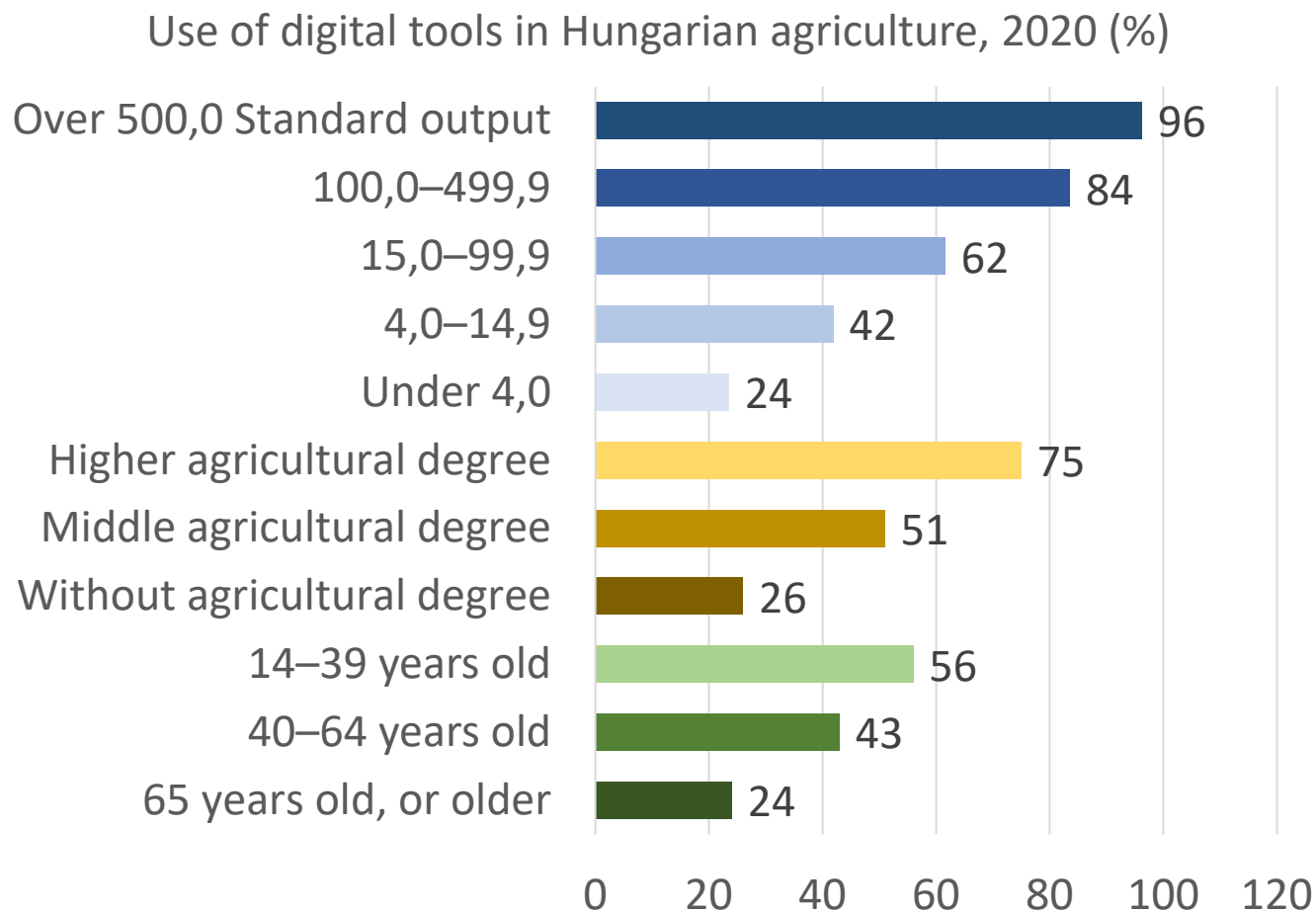-50% antibiotic use

-50% nutrient loss, -20% fertilizer use

+15% diverse landscape elements

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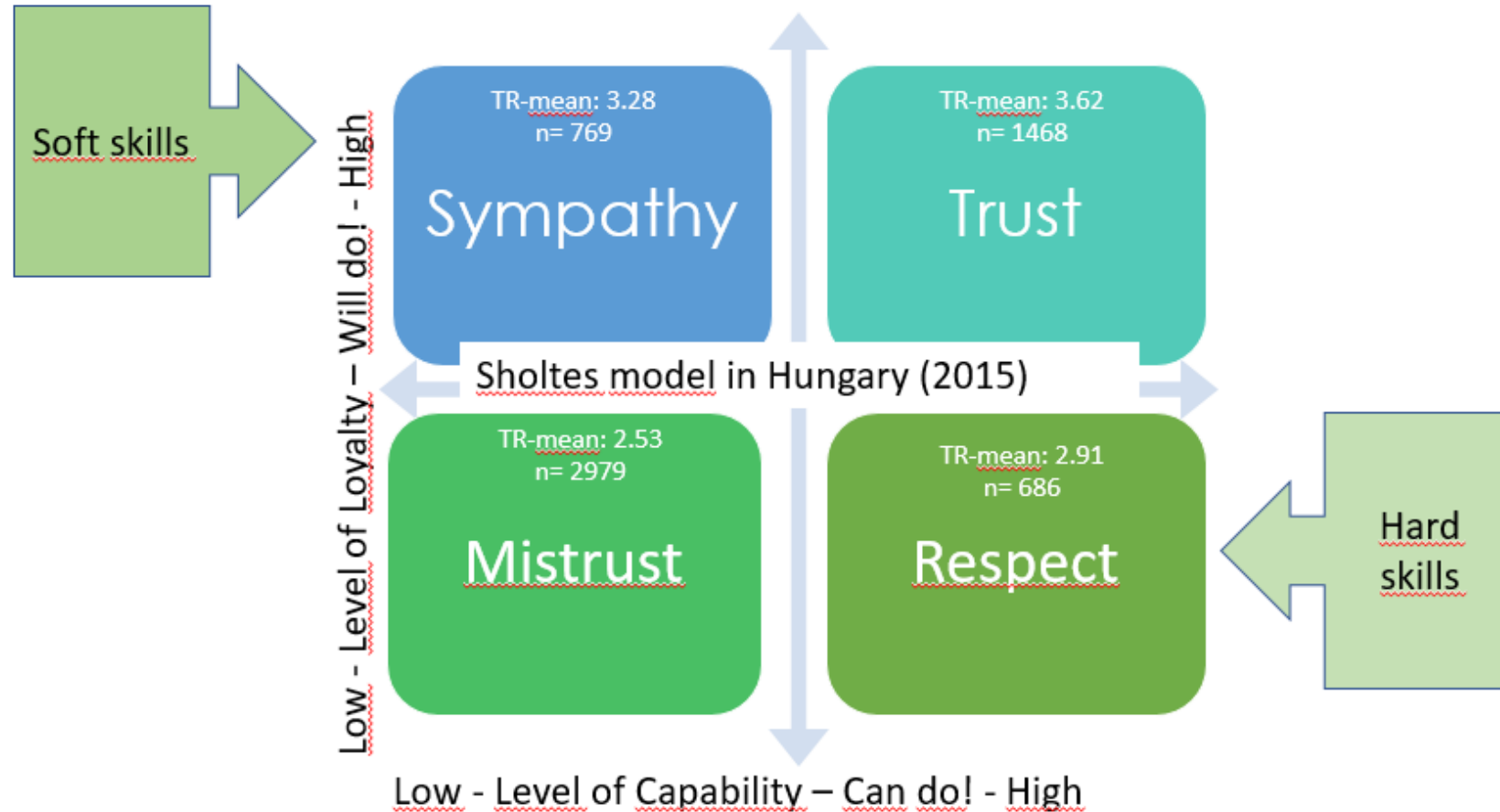
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WHAT challenges? Twin - green and **digital** - transition

- 38% of Hungarian farms use digital tools
- Size, education, age matters
- 28% precision machinery vs. 8% real precision agriculture
- Reasons for not using digital tools:
  - 87% Do not need them
  - 16% Do not have knowledge 6% Too expensive

Use of digital tools in Hungarian agriculture, 2020 (%)

Category	Value
Over 500,0 Standard output	96
100,0–499,9	84
15,0–99,9	62
4,0–14,9	42
Under 4,0	24
Higher agricultural degree	75
Middle agricultural degree	51
Without agricultural degree	26
14–39 years old	56
40–64 years old	43
65 years old, or older	24

0   20   40   60   80   100   120

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WHAT challenges? Twin transition needs **skills** - Society needs to trust farmers and AKIS needs to be trusted by farmers

Soft skills

Sholtes model in Hungary (2015)

High - Will do! – Level of Loyalty - Low

Sympathy
TR-mean: 3.28
n= 769

Trust
TR-mean: 3.62
n= 1468

Mistrust
TR-mean: 2.53
n= 2979

Respect
TR-mean: 2.91
n= 686

Hard skills

Low - Level of Capability – Can do! - High

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WHAT opportunities? Reinforced AKIS integrates stakeholders and ensures knowledge flows inside MSs & across border

Researchers

Advisers

Education

Farmer
at the centre of the integrated Agricultural Knowledge and Innovation System (AKIS) to support modernisation, innovation and knowledge flows

Businesses

Organisations

Media

AKIS coordination will bring actors together on a structured and regular basis, creating continuous interaction to speed up knowledge exchange, knowledge flows, innovation and most of all: implementation in practice

HOW can CAP help? First impressions of how MSs plan to use CAP measures to strengthen their AKIS

Knowledge exchange and information:

- 25 Strategic Plans (SP) will use CAP to support it.
- 2% or 2.1 billion euros of public funding. 5 % to less than 1% in different SPs.
- The dedicated financial allocation has progressed.

Innovation:

- 26 SPs will support of over 6 600 EIP Operational Groups.
- 3 times the number per year.

Digitalisation:

- SPs include digitalisation with a combination of cooperation, knowledge and information, and investments interventions to reach 274 000 farms.

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Presentation

Natalia Brzezina & Patricia Lopez

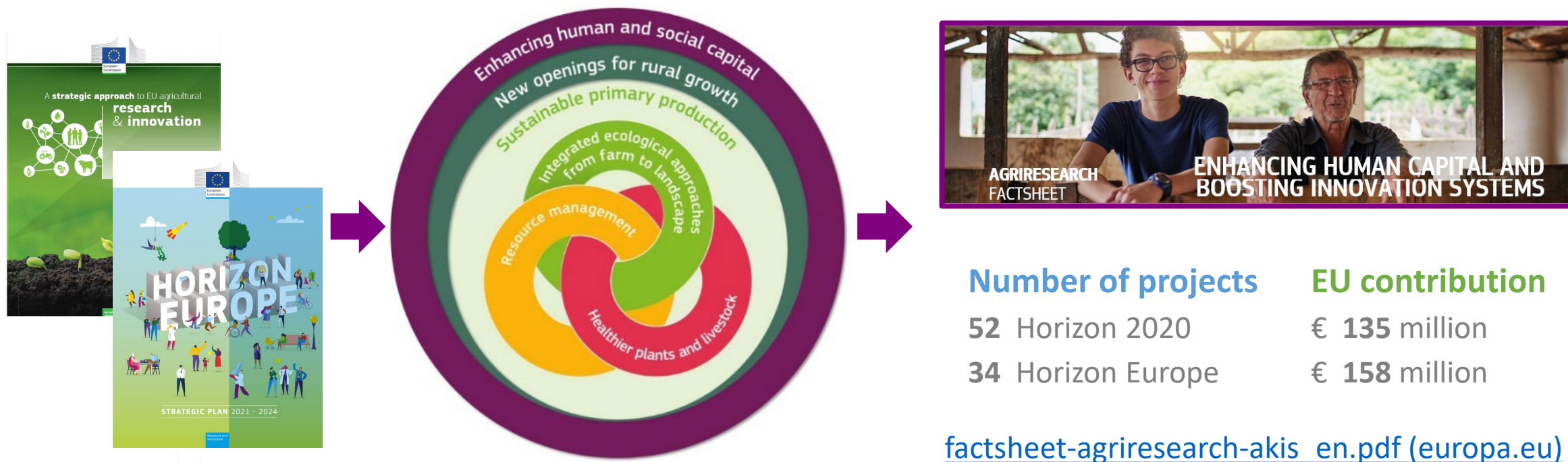**« R&I actions and tools for enhancing human capital and boosting innovation systems – AKIS under the Horizon »**
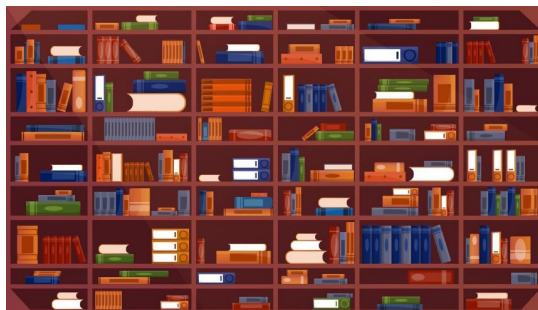
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In a nutshell: from strategy to action

Number of projects   **EU contribution**

52 Horizon 2020   € **135** million

34 Horizon Europe   € **158** million

factsheet-agriresearch-akis_en.pdf (europa.eu)

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Linear innovation model…
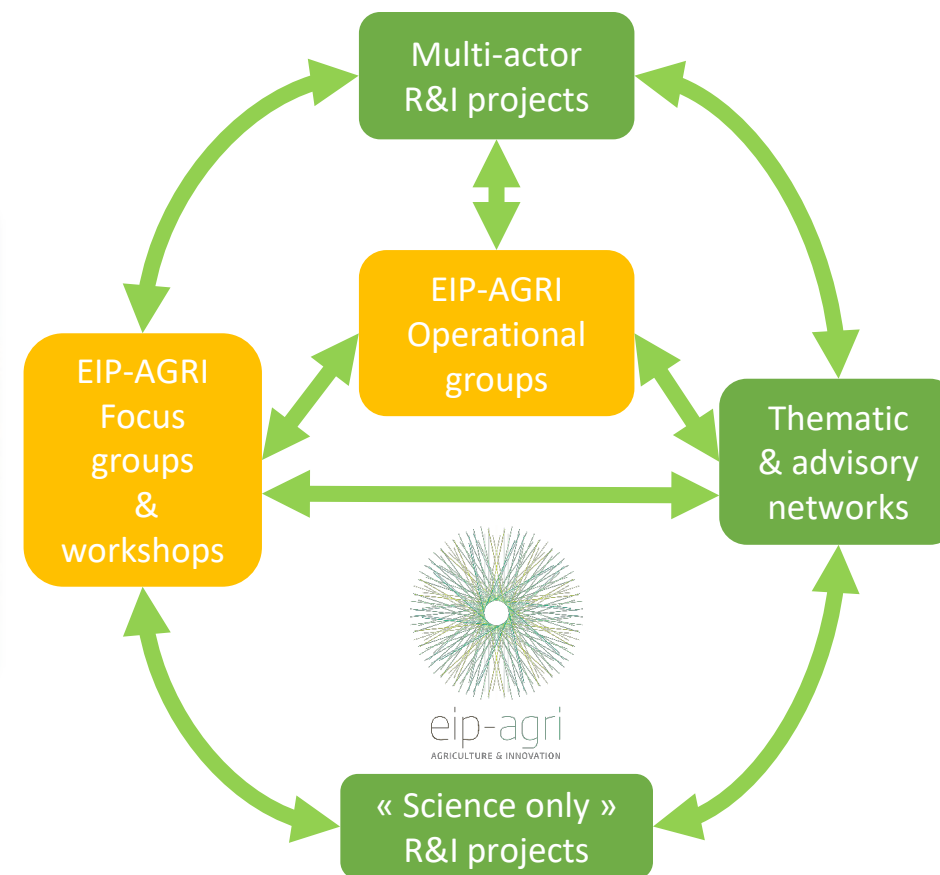

"The value of an idea lies in the using of it." — *Thomas Alva Edison,*

Interactive innovation model

*"We do not only do R&I for farmers,
but also with farmers."*
– Commissioner Janusz Wojciechowski

End-users are put at the center of the R&I activities
all over the whole course of the project.

Genuine involvement of relevant actors
in development of new knowledge
and innovative solutions ('co-ownership' of results).

CAP

Horizon
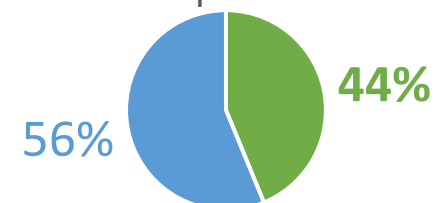2020/Europe

Multi-actor
R&I projects

EIP-AGRI
Operational
groups

EIP-AGRI
Focus
groups
&
workshops

Thematic
& advisory
networks

eip-agri
AGRICULTURE & INNOVATION

« Science only »
R&I projects

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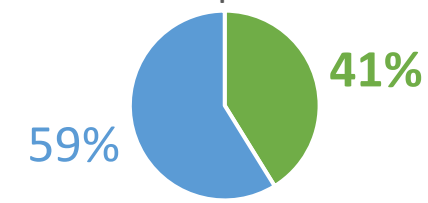European
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Improving multi-actor approach

- **Definition & requirements:** introduction to the Work Programmes, e.g., Horizon Europe Cluster 6 WP23-24 p. 21-23:

  - ✓ **7 key requirements**

  - ✓ 'practice abstracts'

  - ✓ involvement of EIP-AGRI OGs

- **Eligibility** and **excellence** criteria

Number of topics
Horizon Europe Cluster 6

56% — **44%**
■ with MAA ■ without MAA

Budget share
Horizon Europe Cluster 6

59% — **41%**
■ with MAA ■ without MAA

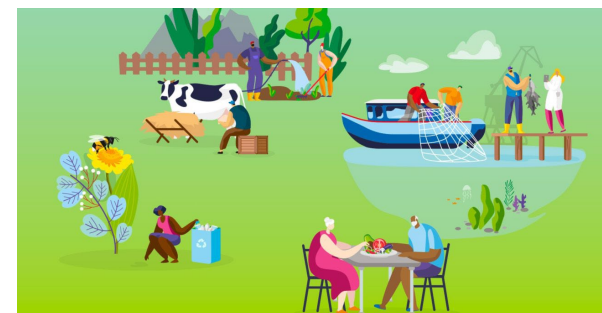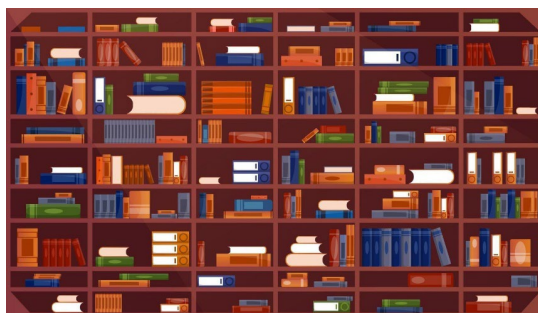**Total H2020 & HE:**
352 MAA projects (~49%)

LIAIS◯N
Optimising interactive innovation

& new Horizon Europe project **PREMIERE**

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Advancing knowledge reservoir & networks

Thematic networks **Advisory networks**

EU-wide knowledge reservoir

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Advancing knowledge reservoir & networks

Thematic networks (TNs) → collecting existing knowledge and best practices on a given challenge/opportunity to make it available in easily understandable formats for end users such as farmers, foresters, advisors, consumers and others.

NEW
with predefined theme

NEW
with focus on EIP-AGRI operational groups

bottom up

NEW
Advisory networks (ANs) → connecting advisors across all EU Member States in an EU network with a view to share experiences on how to best tackle challenges/seize opportunities on farm, in forests and rural villages.

EU-FarmBook

EU-wide knowledge reservoir → one-stop-shop for farmers, foresters and advisors to get access to practical knowledge and solutions generated under EU R&I programmes and beyond.

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Advancing knowledge reservoir & networks

Thematic networks (TNs)

NEW

2 in the pipeline
with predefined theme

NEW

4 with focus on EIP-AGRI
operational groups
(…and **4 more** in the pipeline)

41 (34 H2020 + 7 HE) bottom up
(…and **4 more** in the pipeline)

CLIMED-FRUIT   NUTRI·KNOW

GOFORESTS   OPER8

BroilerNet   B THE NET   Grazing4AgroEcology   AF4EU

NUTRI-CHECK NET   ResAlliance   EUnetHorse

Advisory networks (ANs)

EU4Advice

CORENET

…and 5 more in the pipeline:

✓ **2023 – under evaluation –** organic agriculture, use of pesticides & optimal fertiliser use

✓ **2024 - time to apply –** forestry & sustainable livestock systems

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Boosting place-based innovation

EIP-AGRI operational groups – local innovation projects with MAA – across Europe supported under CAP: **3200** established and **6600** planned for the next five years.

The main goal is to establish **100 living labs** and **lighthouses** to lead the transition towards healthy soils by 2030.

The European partnership on accelerating farming systems transition: **agroecology living labs** and research infrastructures
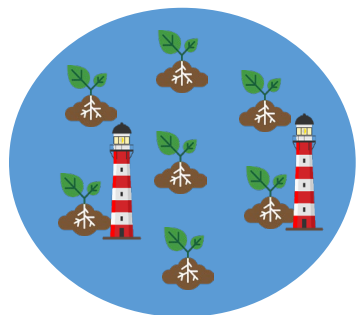
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Boosting place-based innovation

Living-labs

- **group of real-life sites** in which **diverse actors experiment** and **test solutions** for soil health and agroecology in a co-creative manner

Lighthouses (demo farms)

- **individual sites**, such as a single farm, for **demonstrating, training** and **communicating** about innovative best practices

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Providing the right skillset

✓ To ensure that the EU farming and forestry sectors have what it takes in terms of skills to use the opportunities offered by R&I, we **strengthen the Agriculture Knowledge and Innovation Systems (AKIS).**

? **What else can we do under EU R&I programme and/or CAP?**

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Panel discussion

- **Susanne von Münchhausen**
University of Applied Research Eberswalde, Project Coordinator of Horizon 2020 project LIAISON and Horizon Europe project PREMIERE

- **Inge van Oost**
Policy Officer in DG AGRI responsible for Agriculture Knowledge and Innovation Systems coordination in CAP Strategic Plans

- **Daniel Rossi**
Chairman Copa-Cogeca R&I WP and Delegate R&I Confagricoltura, participant in many Horizon projects and co-coordinator ERASMUS+ FIELDS and I-RESTART projects

- **Jacek Podlewski**
CEO of CGFP Sp. z o.o. Grupa Fundacja Potulicka, farm >5000 ha implementing innovative solutions on the ground

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Co-creative discussion

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Participants, have your say!
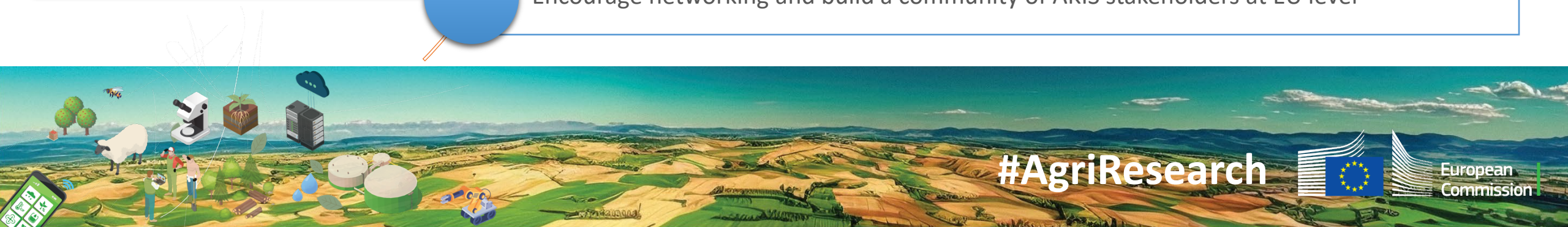
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Let's co-create in four focus areas

1.1 & 1.2
Providing the right skillset

3.1 & 3.3
Boosting place-based innovation

2.1 & 2.2
Improving multi-actor approach

4.1 & 4.2
Advancing knowledge reservoir & networks

Two questions in each of the four focus areas discussed at two tables

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Let's co-create replies to two questions

1.1 & 1.2
Providing the right skillset

1: What **research (new knowledge)** do we need to provide farmers, foresters and rural actors with the right skillset?

2: What **innovative solutions / tools** do we need to support farmers, foresters, rural actors in developing the right skillset?

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Let's co-create replies to two questions

2.1 & 2.2
Improving multi-actor approach

1: How to improve the **implementation** of the MAA at **programme level**?

2: How to improve the **implementation** of the MAA at **project level?**

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Let's co-create replies to two questions

3.1 & 3.3
Boosting place-based innovation

1: How to improve the impact of **existing tools** that support place-based innovation (e.g., OGs, living-labs, lighthouses/demo farms, etc.)?

2: What **new tools** need to be developed to boost place-based innovation? (please justify shortly)

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Let's co-create replies to two questions

4.1 & 4.2
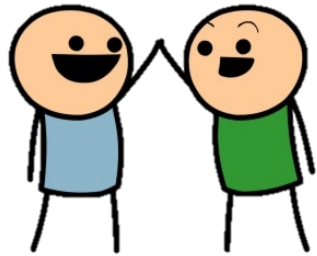**Advancing knowledge reservoir & networks**

1: How to improve the impact of **EU knowledge reservoir** and **existing Horizon networks**, i.e., thematic and advisory networks?

2: What **new Horizon networks** need to be developed to bridge the gap between R&I and practice? (please shortly justify)

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Let's co-create in three steps: 1st question

1 idea per 1 sticky note
CAPITAL LETTERS
profession & e-mail on the back

WELCOME (5')
get to know each other:
name and affiliation

5'

STEP 1 (5')
Individually provide
min. **2 ideas to
the 1st question**

→ **flipchart 1 – table:
all ideas**

5'

STEP 2 (20')
Present **1 key idea**
& discuss together
with the **group**

→ **flipchart 2 – stand:
key ideas**

20'

STEP 3 (1')
Vote with a **dot** on
the **priority idea**

No vote
on your own ideas

1'

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Let's co-create in three steps: 2nd question

1 idea per 1 sticky note
CAPITAL LETTERS
profession & e-mail on the back

STEP 1 (5')

Individually provide min. **2 ideas to the 2nd question**

→ **flipchart 1 – table: all ideas**

STEP 2 (20')

Present **1 key idea** & discuss together with the **group**

→ **flipchart 2 – stand: key ideas**

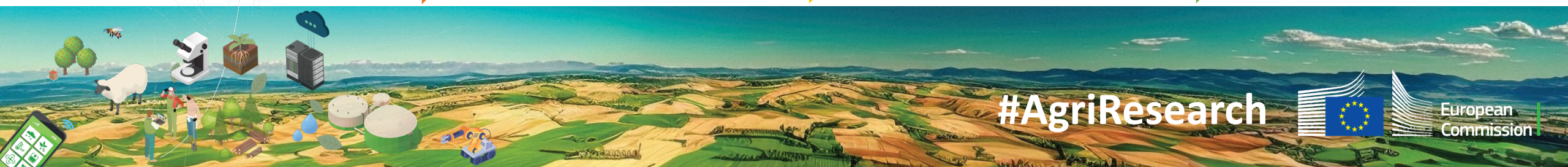## STEP 3 (1')

Vote with a **dot** on the **priority idea**

No vote on your own ideas

DEBRIEF (15')
facilitators to present **one priority per question** with the most votes harvested from each table

5'   20'   1'

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Debrief R&I priorities from the co-creation

**Facilitators to present one priority per question
with the most votes harvested from each table (1')**

1.1 & 1.2
Providing the right skillset
(*Fabio & Magda*)

3.1 & 3.3
Boosting place-based
innovation
(*Paola & Patricia*)

2.1 & 2.2
Improving
multi-actor approach
(*Susanne & Gisela*)

4.1 & 4.2
Advancing knowledge
reservoir & networks
(*Inge and Natalia*)

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Key R&I priorities from the co-creation in BOS7

Providing the right skillset

- ✓ Idea 1
- ✓ Idea 2
- ✓ Idea 3
- ✓ Idea 4

Boosting place-based innovation

- ✓ Idea 1
- ✓ Idea 2
- ✓ Idea 3
- ✓ Idea 4

Improving multi-actor approach

- ✓ Idea 1
- ✓ Idea 2
- ✓ Idea 3
- ✓ Idea 4

Advancing knowledge reservoir & networks

- ✓ Idea 1
- ✓ Idea 2
- ✓ Idea 3
- ✓ Idea 4

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THANK YOU

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