



AGROECOLOGY EUROPE
FORUM 2023 IN HUNGARY
CONVERGING MOVEMENTS
FOR RESILIENT FOOD SYSTEMS

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SCALING THE AGROECOLOGY IN EAST EUROPE- HOW TO START THE TRANSITION PROCESS



Srdjan Šeremešić

University of Novi Sad
Faculty of Agriculture Novi Sad,
Serbia

ORGANISED BY:

SESSION 1: MULTI-LEVEL POLICY INITIATIVES TO RESHAPE THE CAP

WITH THE SUPPORT OF:



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Current situation

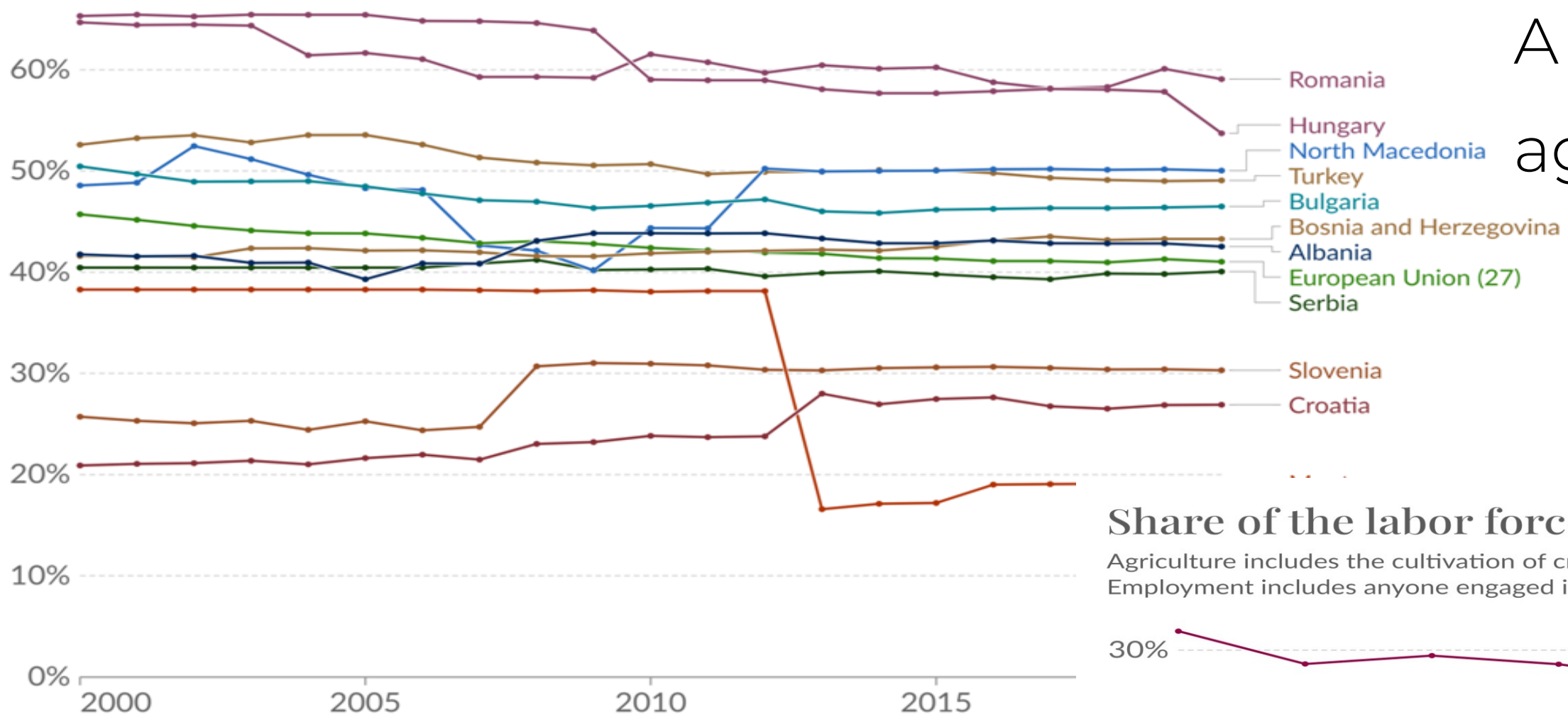
- Priorities in agriculture remains the same to **maximize volume and profitability.**
- Agroecological transition of agriculture is challenging because it requires **defining and optimizing different models** of agriculture and food system transformation that correspond to local agro-ecological conditions and comply with different expectations and requirements.



Share of land area used for agriculture, 2000 to 2020



The share of land area used for agriculture, measured as a percentage of total land area. Agricultural land refers to the share of land area that is arable, under permanent crops, and under permanent pastures.



A part of Europe with most colorful agricultural landscape .

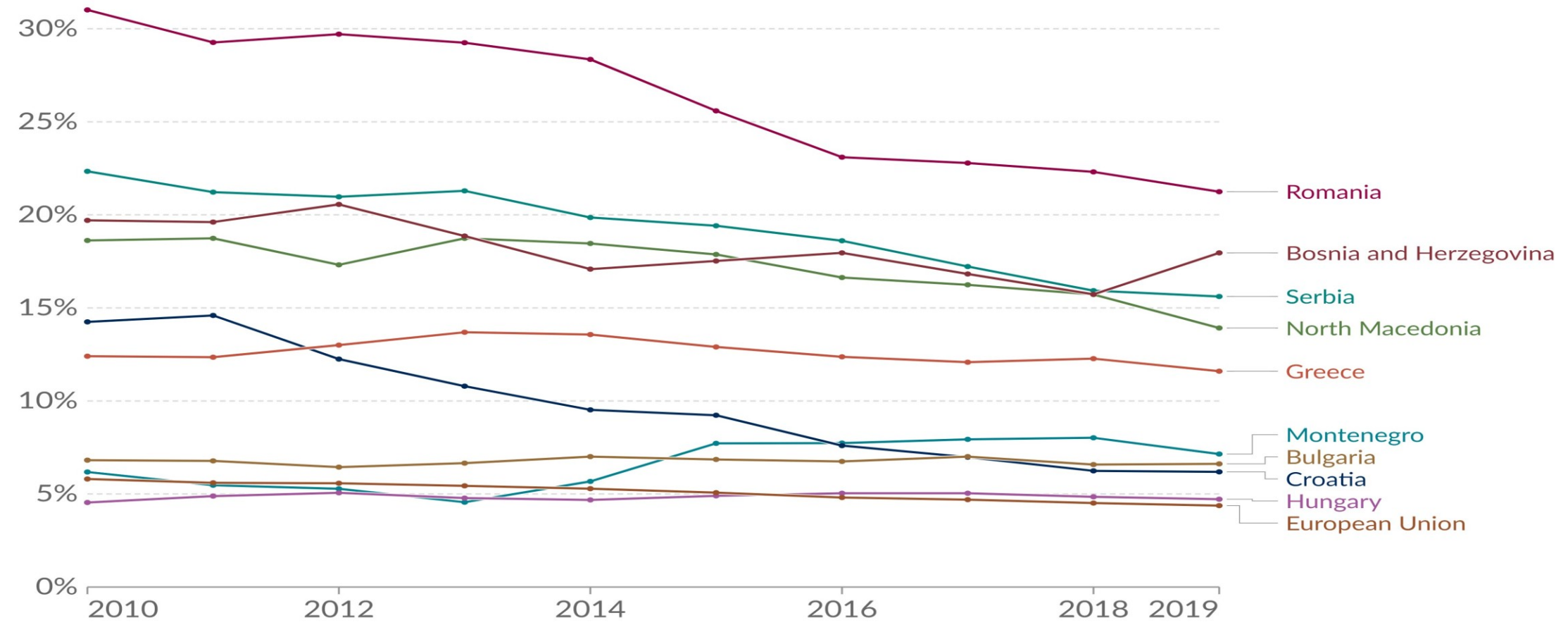
Data source: Food and Agriculture Organization of the United Nations (via World Bank)
OurWorldInData.org/land-use | CC BY

- Contradiction **production and consumption are completely unrelated activities.**

Share of the labor force employed in agriculture



Agriculture includes the cultivation of crops and livestock production, as well as forestry, hunting, and fishing. Employment includes anyone engaged in any activity to produce goods or services for pay or profit.



Data source: Our World in Data based on International Labor Organization (via the World Bank) and historical sources
OurWorldInData.org/employment-in-agriculture | CC BY

Global Food Security Index 2022

The Economist

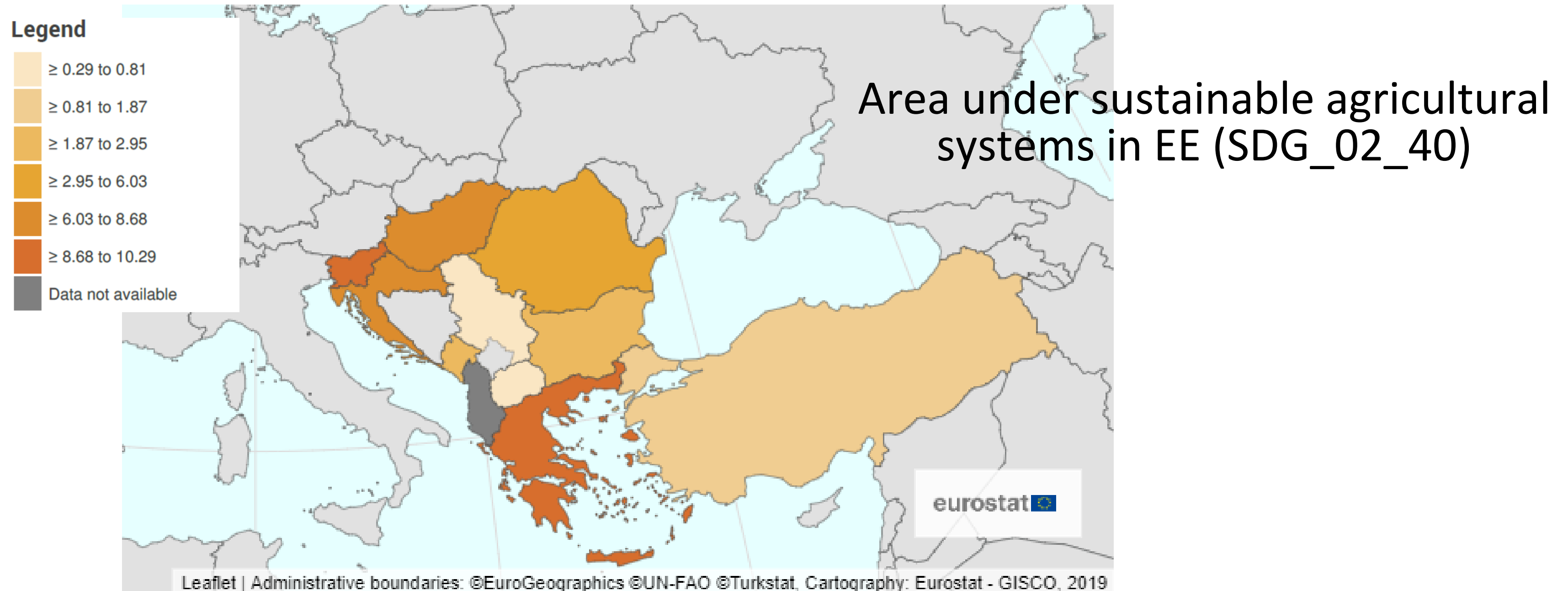
Rank EU (1/26)	Country	Overall score	Affordability	Availability	Quality and safety	Sustainability and adaption
1	Finland	1	5	5	2	2
2	Ireland	2	2	5	6	3
3	Norway	3	19	22	5	1
4	France	4	8	8	4	6
5	Netherlands	5	1	4	8	10
18	Bulgaria	18	21	13	15	22
19	Greece	19	16	23	12	19
20	Hungary	20	20	16	22	21
21	Slovakia	21	14	24	17	18
22	Russia	22	24	20	16	22
23	Romania	23	22	21	17	24
24	Belarus	24	25	19	26	17
25	Serbia	25	23	25	24	26
26	Ukraine	26	26	26	25	25

~~GFSI - composite indicator monitoring progress towards food security at country level.~~

- It uses a total of 68 indicators grouped in 4 domains
- The index focuses on contributing factors to food security rather than on outcomes

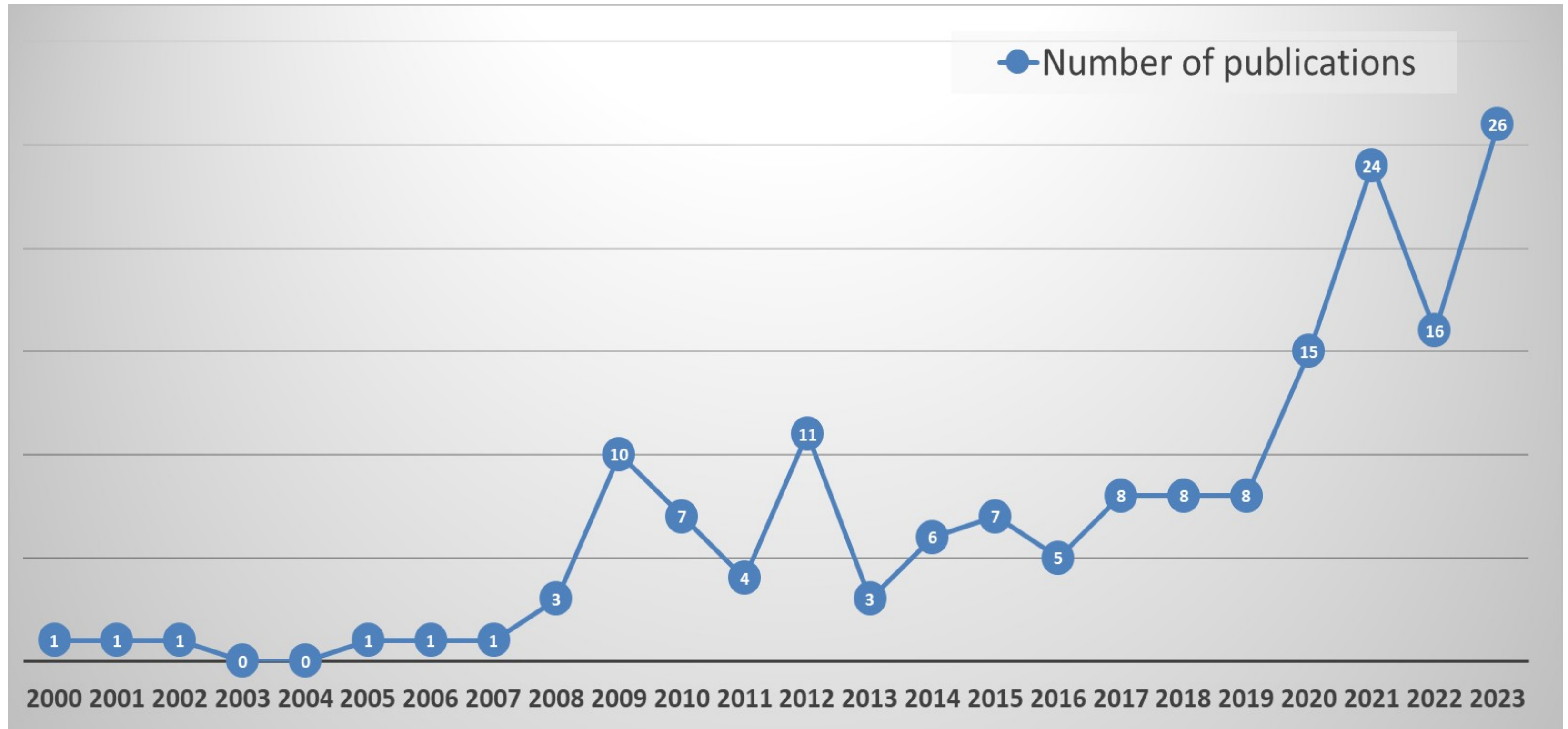
BACKGROUND

- Currently, agricultural systems with favorable impact on the environment covers a relatively **small areas...** (<3% arable land)



- Farmers are exposed to cacophony of ideas and alternatives for sustainable options in agriculture

Number of academic publications from 2000 to 2023 with **agroecolog*** in the title, abstract or keywords, based on a Scopus search conducted 14 November 2023

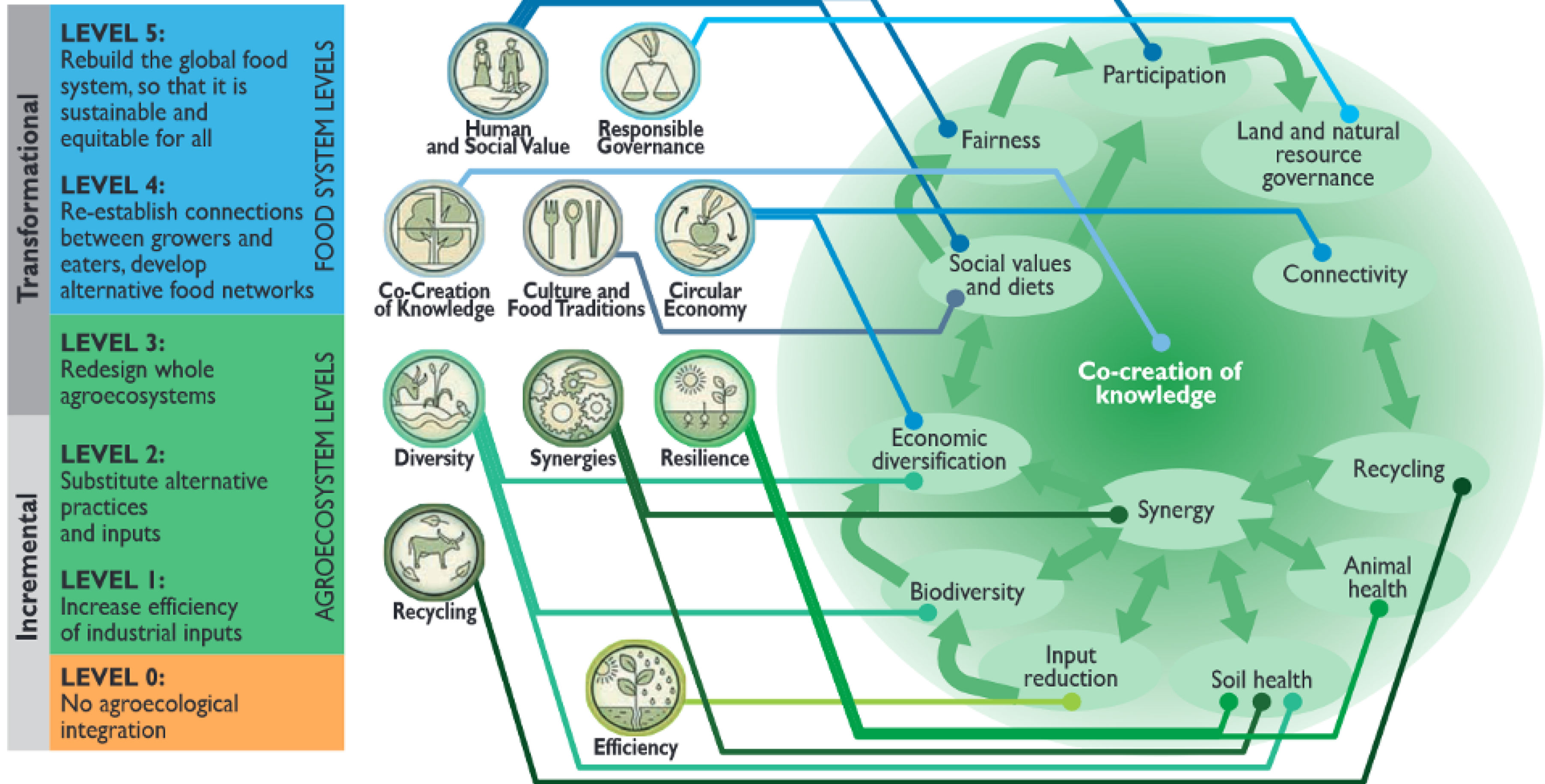


Country included: Montenegro, Albania, Greece, Romania, Bulgaria, Bosnia and Herzegovina, Serbia, Croatia, North Macedonia...

5 Gliessman's levels

10 FAO elements

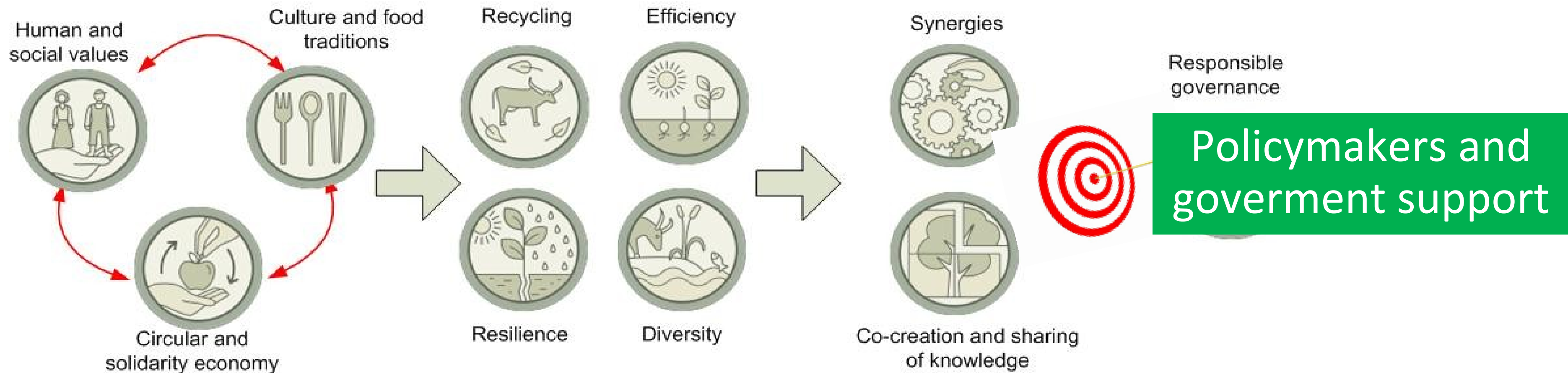
13 HLPE principles



▲ Linking FAO's 10 elements, Gliessmann's 5 levels of food system transformation and the 13 HLPE principles

The entry point of the agroecological transition

- Barrios (2020) identify entering point for transition to sustainable agriculture.
 - Biodiversity - consumer nutrition - climate change nexus
 - Consumer - market - health
 - Education - governance - youth employment



The entry point of the agroecological transition

Sustainable intensification of agriculture

- Land use efficiency
- Enable nutrient flow/cycling
- Inovative machinery and methods of tillage
- Soil health

Analysis of the market, interests of consumers, existing knowledge and lock-ins in production

- Improved productivity
- Enableing the ecosystems servives
- Establishing the specific teritory

- Ecoefficeieny
- Diversification
- Resilience

Measuring sustainability with agroecological indicators

- Social responsibility
- Creation of the institutional and lagislative framwork
- Co-creation of knowledge

Assessing tradeoffs and synergies

- Conduct multi-actor innovation process
- Value chain developoment
- Extesnasion



creation of a new food system

Thank you for your attention !

