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Regional Expert Advisory Working Group (REAWG) on Agricultural
Knowledge and Innovation Systems (AKIS)
Second Interim Meeting
6-7 June, Bar, Montenegro

DRAFT OF THE NATIONAL AKIS PLAN MONTENEGRO

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Bayerisches Staatsministerium für
Ernährung, Landwirtschaft und Forsten



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Montenegrin AKIS in a nutshell

- Many stakeholders/players are involved
- Lack of coordination in the whole AKIS
- Connections among the key players are very weak
- No clear role of the main stakeholders
- Top-down approach is dominant
- Financial support for AKIS is unstable

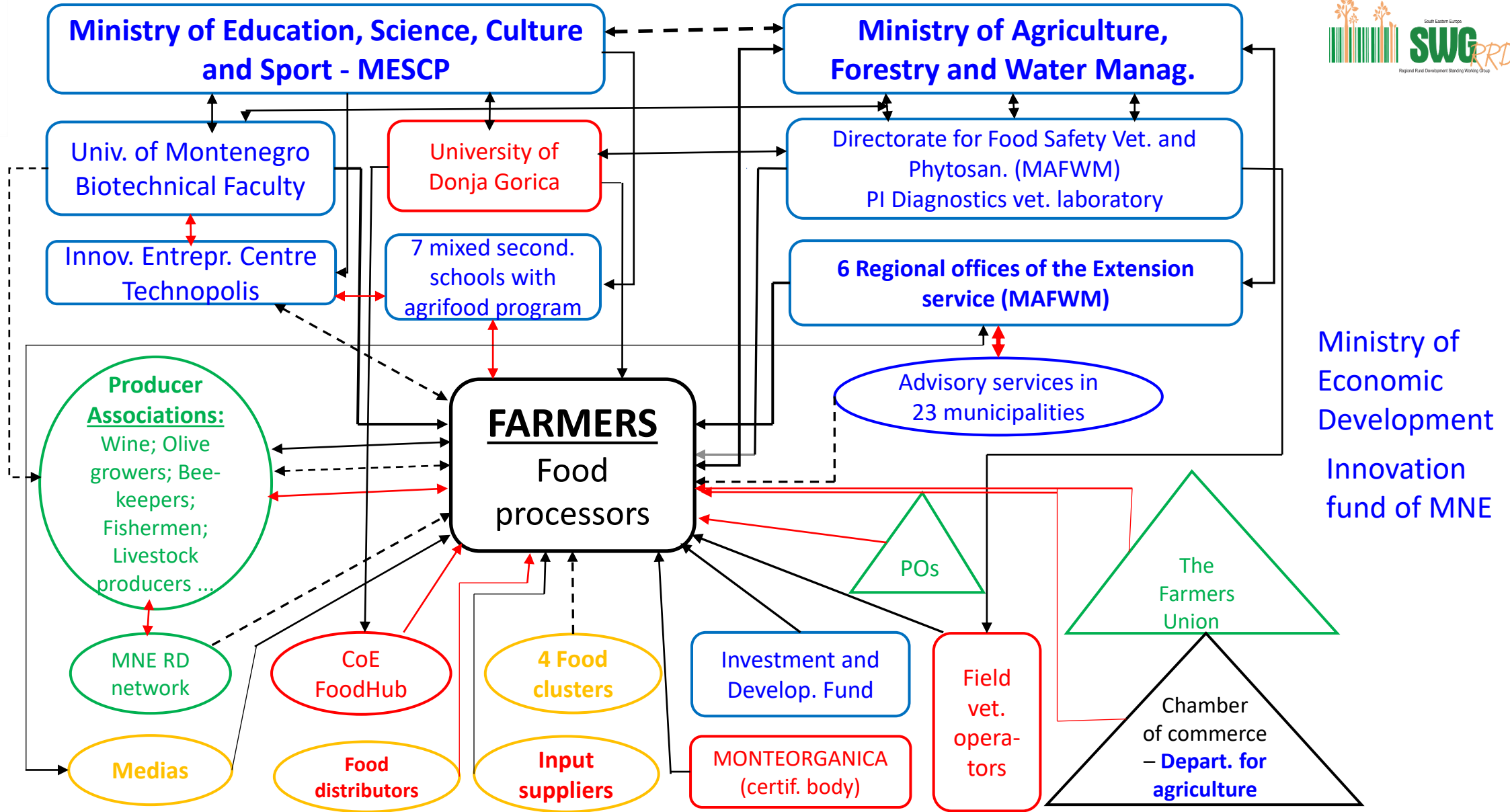


The AKIS map

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AKIS roadmap objectives

Based on the SWOT analyses and the structure of the AKIS presented on the previous slide, the Roadmap was developed with 7 objectives

- 1. To develop the functional AKIS**
- 2. Establishment stronger links between AKIS actors, especially between the research and farming sector**
- 3. Providing Extension service in agriculture being fully functional and meets farmers' needs**
- 4. Capacity building of the key AKIS players**
- 5. Supporting digital transition in agriculture**
- 6. Raising Public awareness on the importance of AKIS**

The brief explanatory notes

A) The abbreviations used:

- **MAFWM** – Ministry of agriculture, forestry and water management
- **MoSci** – Ministry of Science
- **MED** – Ministry of economic development
- **MFI** – The innovation fund of Montenegro

B) In the last columns of the next tables (Impact and Feasibility) 1 means the least; 7 means the highest impact or feasibility

Objective 1: To develop the functional AKIS

Required action	Milestones	Deliverables	Resources needed	Deadline	Impact	Feasibility
1.1. Strategic and program document, with an action plan	Government decision on strengthening AKIS is taken	The strategic document/s as a base for the next steps adopted	The mutual team MAFWM and MoSci, incl. state financial support	The end of 2022	7	4
1.2. To develop the National Partnership Programme (NPP) of all AKIS' related organisations	NPP is developed	NPP is adopted	MAFWM and MoSci, incl. state financial support	The middle of 2023	6	3
1.3. To complete legal frame, with rules for the public and private, local/national advisory services	The Action plan – a list of legal docum. needed for AKIS is developed	The AP is adopted by the Govern. The legal frame is completed	The mutual team of the MAFWM and MoSci, incl. state financial support	The end of 2023	7	4
1.4. To strengthen research and innovation infrastructure	The Guidance for RI is developed	The Guidance is adopted by MoSci	MoSci, financial support	Permanent	6	5
1.5. Gathering representatives of all AKIS actors with the aim to agree upon governing the AKIS	AKIS platform with Coordination board (CB) is formed	Rules are settled and Coordination board (CB) is functional	Govern. financial support + expert support	The middle of 2024	6	3
1.6. To develop guidance for reporting, evaluation and control practices	The Guidance is developed	The list of the key indicators is developed	The CB fully engaged, with govern. financial support	The end of 2024	7	3

Objective 2: Establishment stronger links between AKIS actors, especially between the research and farming sector

Required action	Milestones	Deliverables	Resources needed	Deadline	Impact	Feasibility
2.1. Regular face-to-face exchange thematic events and meetings between research, farmers and advisors	The knowledge and innovat. hub is established	The hub operational rules are adopted	MoSci; MAFWM, univers. support	The end of 2023	6	4
2.2. Participation in the multi-actor projects of HE, with focus on cross-thematic and transdisciplinary approach	The rules of incentives for the farm sector participation in HE projects are developed	Number of the HE projects with farming sector participation is increased	MoSci financial and admin. support	Permanent	7	3
2.3. Innovative projects with stronger involvement of young researchers	The guidance of incentives for YRs is developed	Number of innovative projects with YRs particip. is increased	MoSci financial and admin. support	Permanent	6	4
2.4. The implementation of Smart specialisation strategy	The S3 is developed and adopted	Flagship initiatives are functional	MED - financial and administer. support	The end of 2022	7	5
2.5. Close synergy between HE and IPARD	List of the research topics relevant for IPARD is developed	Number of the realised projects relevant for IPARD is increased	MoSci and MAFWM	Permanent	5	3
2.6. To create fund for after-project communication of innovative projects	The document with key elements of the fund functioning is developed	The Fund document is adopted First fund users registered	MoSci financial and administer. support	The end of 2023	6	3
2.7. To establish the operational groups	The first operational groups are formed	Three OG are functional	MAFWM & MoSci, EU support	The end of 2023	6	3



Objective 3: Providing Extension service in agriculture being fully functional and meets farmers' needs

Required action	Milestones	Deliverables	Resources needed	Deadline	Impact	Feasibility
3.1. Strengthening of the linear knowledge transfer	The plan of the needs for advisors is developed and adopted	The plan is adopted and implemented	MAFWM administr. support	The end of 2023	5	4
3.2. Advisors acting as innovation facilitators, capturing future farmers needs	The rules of the incentives for innovative advisors are developed	The reward system is implemented The number of rewarded advisors is increased	The MAFWM administr. and financial support	The middle of 2024	7	3
3.3. To enhance the whole value chain approach, bio-based chain	The guidance with clear instructions is developed	New advisors from non-primary production sectors are recruited	MAFWM	Permanent	7	3
3.4. Involvement of private advisors in training and information flows	The rules for the private advis. involv. are developed	The rules are adopted	MAFWM	The middle of 2024	5	4
3.5. Country wide advisory networks to share generated knowledge after visits abroad	The network is established	The periodical reports are produced and publicly available	MAFWM administr. and financial support	The end of 2024	5	4
3.6. Developing indicators of quantitative monitoring	The CB developed list of the key indicators	The key indicators are used in the monitoring of the advisors results	MAFWM & MoSci	The middle of 2024	6	4



Objective 4: Capacity building of the key AKIS players

Required action	Milestones	Deliverables	Resources needed	Deadline	Impact	Feasibility
4.1. Regular education, trainings, lifelong learning accessible to advisors and farmers	The plan of education, training and LLL of the advisors is developed and adopted	The plan is implemented Trainings of the trainers, workshops, demonstr. are regularly held	The MAFWM	The end of 2023	7	3
4.2. Regular winter and summer educational events (schools on spot and demo trainings etc)	The plan of winter and summer schools is developed and adopted	The plan is implemented – the schools are regularly organised	The MAFWM together with universities	The end of 2024	7	4
4.3 Support methodological and social competences of advisors	The CB developed the plan	The CB plan is being implemented	MAFWM & MED and MoSci	The middle 2024	5	3
4.4. Establishing the Licensing advisory Program	The legal frame – rules are developed	The LAP is implemented	MAFWM administr. and financial support	The end of 2024	6	3
4.5. To implement of mandatory education for young farmers	The education program is developed	The EP is adopted and implemented	MAFWM, supported by EU funds	The middle of 2025	5	3
4.6. International cooperation providing the adoption of good practices	The concise plan is developed and adopted	Good practices are presented at regularly organised events	MoSci supported by the universities	The middle of 2024	5	3

Objective 5: Supporting digital transition in agriculture

Required action	Milestones	Deliverables	Resources needed	Deadline	Impact	Feasibility
5.1. To interlink all public data to enable additional services, GIS /LPIS, soil, animal welfare...	The fund for innovations (MFI) developed the knowledge and innovation platform	The platform is functional, public data are accessible	MED (MFI), donor support	The end of 2024	7	5
5.2. To build knowledge that are interactive and quality checked, and use common standards	Clear guidance on the data flows is developed	The AKIS players widely use data from the platform	MED (MFI), EU and other donor support	The end of 2025	6	4
5.3. To set up forum to discuss how to manage the digital transition	The forum is established	Permanent dialogue of the users is regular	The CB is in charge	The middle of 2025	5	3
5.4. To organise trainings on digital skill for advisors and farmers	The guidance with the instructions is developed	The system is functional - Trainings are regularly organised	MAFWM & MFI, EU support	The end of 2025	6	4

Objective 6: Raising public awareness on the importance of AKIS

Required action	Milestones	Deliverables	Resources needed	Deadline	Impact	Feasibility
6.1 Strengthening rural multi-actor innovation networks, incl. informal knowledge exchange	The network is established, the rules of functioning are developed	Gathering information, promoting learning, enhancing farmers role in knowledge creation	MAFWM and universities	The middle of 2024	5	3
6.2. To provide budget for dissemination of research and innovations including infrastructure for promoting knowledge	Guidance with support instruments for dissemin. of research results is developed	The system is in place, the project teams use that budgetary support	MoSci and MFI	The end of 2023	5	3
6.3. To improve coverage of agricultural issues by mass media and put agri-innovation in the spotlight	Memorandum of understand. between the CB and the national RTV is signed	Regular Radio and TV programs devoted to the agrifood sector, open discussions are on the national public media	The CB	Middle of 2023	5	7

Open issues

- To be a quite different from EU model in desinging AKIS – is that innovation or ?
- What is about next generation of the advisors?
- What is AKIS in the line sector: forestry; agrotourism; handcrafting, even consumers?

3Cs are key words : **Coordination; Cooperation and Compatibility** (of the policies at national level)

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Thank you for your attention!

