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# Regional Expert advisory Working Group (REAWG) On Agricultural Knowledge and Innovation Systems (AKIS) Second Interim Meeting



# Federation of Bosnia and Herzegovina AKIS Action Plan

Prepared by  
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Bar, Montenegro, 06/06/2022



Bayerisches Staatsministerium für  
Ernährung, Landwirtschaft und Forsten



# Introduction remarks

- AKIS is still undeveloped in the Federation of BiH.
- Although there are many actors in this system among them there is no interaction.
- Draft Strategy of agriculture and rural development of Federation of BiH 2021-2027 (expectation: sending to Parliament for adoption July 2022)
  - One of four strategic goals: Modernization of the agricultural sector by encouraging and exchanging knowledge, innovation and digitalization agriculture and rural areas and promoting their use
  - Establishment of a Agency for payment of FMAWMF - staff from cantonal advisory services - advisory rather than administrative work
  - Measure: Support to knowledge and information transfer
  - Strategic project: Establishment of AKIS in Federation of BiH (Budget EUR 1.1 million)
- Roadmap – Basis for Action Plan

# Road Map – Main objectives

## (Novi Sad workshop)

1. Formalization of AKIS
2. Introduce of new structure in the AKIS
3. Capacity building of the entity and canton (10) level advisory services
4. Strengthening the capacities in the research and education sector and institutional supporting of RITT
5. Internationalization of science and external fundraising
6. Raising farmers' awareness of the importance of knowledge and innovation transfer

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# AKIS Plan – main objectives



1. Formalization of AKIS
2. Capacity building
3. Operationalization of AKIS (work of operational group)



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# 1. Formalization of AKIS

## Specific objectives

- Preparatory actions related to the analysis of the potential and motives for the establishment and work of the future AKIS
- Creating and enacting the necessary legislation for the establishment and functioning of AKIS
- Establishment of the AKIS coordinating body (coordination committee and operational groups)

# Preparatory actions related to the analysis of the potential and motives for the establishment and work of the future AKIS

## Required action

- Identification of potential actors
  - Contacting and informing identified actors (obligatory advisors, farmers, administration)
  - Holding/organization of working meetings (workshops)
  - Reporting and evaluation
- 
- **Deadline:** End of 2022
  - **Impact 7, Feasibility 5**

# Creating and enacting the necessary legislation for the establishment and functioning of AKIS

## Required action

- Establishment of a working group for drafting the Law regarding AKIS
- Adoption of the legislative framework for AKIS
  - **Deliverables:** AKIS draft Low, AKIS low (articles)
- **Deadline:** Beginning of 2023
- **Impact 6, Feasibility 4**

# Establishment of the AKIS coordinating body (coordination committee and operational groups)

## Required action



- Establishment of a coordinating body (in accordance with the adopted law)
- Establishment of operational groups
  - **Deliverables:** Coordination committee formed and operational groups formed
  - OGs include representatives of agricultural producers, science (research), agricultural advisers, administrations (institutions), chambers of commerce (market knowledge), media (portals, TV and radio) and consumer associations.
  - OGs can be sectorial or horizontal (i) market and marketing, (ii) food quality and safety, (iii) technology or regional / territorial.
- **Deadline:** Mid of 2023
- **Impact 7, Feasibility 5**





## 2. Capacity building Specific objectives

- Strengthening agricultural advisory
- Strengthening research and scientific capacities
- Raising farmers' awareness of the importance of knowledge transfer

# Strengthening agricultural advisory

## Required action

- Optimization of the number of agricultural advisors
- Strengthening the infrastructure capacity of advisory services
- Better positioning of the current public advisors
- Strengthening the role of private agricultural advisory
- Organization of continuous trainings, seminars and licensing trainings of advisors as a way of updating and validating their knowledge and qualifications
- Promotion of the work of advisors
- Website development and formation of central servers (portals) of the AKIS system
- Introduction of practical experimental research in advisory services
- Bilateral exchange and visits to examples of good practice
  
- **Deadline:** End of 2023, beginning of 2024
- **Impact 7, Feasibility 3**

# Strengthening research and scientific capacities

## Required action



- Increasing funds for the development of science, research and education
- Establishment of a pilot program to support applied research in agriculture (financed by the agricultural budget of the FMAWMMF)
- Participation (mobilization) in projects with international character (financing)
  - **Deadline:** Beginning of 2024
  - **Impact 6, Feasibility 2**



# Raising farmers' awareness of the importance of knowledge transfer

## Required action

- Promotion of the work of advisory services through social networks and other media
- Providing access to good practices and examples (for farmers)
- Informing agricultural producers and other actors in the sector about their own activities through various forms of communication
- Informing and educating agricultural producers in accordance with available resources
- Website design
- Video recording of examples of good agricultural practice and placement towards farmers
- **Deadline:** End of 2023, continuously
- **Impact 6, Feasibility 4**

# 3. Operationalization of AKIS Specific objectives

- Transfer of knowledge and technology of existing solutions that are in use
- Creating solutions and innovations based on articulating problems from the field
- Establishment of STP (Science and technology park), centres of excellence, demonstration farms and the similar.
- Coordination of AKIS activities

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# Transfer of knowledge and technology of existing solutions that are in use

## Required action



- Actualization of problem solving and identification of good practices
- Development of a plan for the realization of knowledge transfer
- Realization of knowledge transfer
- **Deadline:** Beginning of 2024, Continuously
- **Impact 7, Feasibility 3**



# Creating solutions and innovations based on articulating problems from the field

## Required action

- Articulating the problem
  - Articulating the real needs of farmers and focusing on solving those problems that will bring the greatest benefit to farmers
- Creating a project concept
- Project approval
- Implementation (realization) of the project
- Monitoring and evaluation
- Dissemination
  - Identifying key actors in the field that can contribute to the dissemination of good practices (demonstration farms or so-called star farmers)
  
- **Deadline:** Beginning of 2024, Continuously
- **Impact 7, Feasibility 3**

# Establishment of STP (Science and technology park), centres of excellence, demonstration farms and the similar

## Required action

- Establishment of STP
  - Too expensive
  - Feasibility questionable
- Establishment of centres of excellence (Faculties)
- Establishment (construction) of demonstration farms
- **Deadline:** Beginning of 2024, Continuously
- **Impact 6, Feasibility 2**



# Coordination of AKIS activities

## Required action

- Communication and coordination of operational groups
- Development of strategic documents - strategic directions of development (of AKIS)
- Preparation of reports
  - **Deliverables:** Annual report on work of AKIS
  - **Deadline:** Beginning of 2024, Continuously
  - **Impact 7, Feasibility 3**

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# Thank you for your attention!

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