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# National AKIS Action Plan

## North Macedonia

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6-7 June 2022, Bar



Bayerisches Staatsministerium für  
Ernährung, Landwirtschaft und Forsten



# Strategic Objective 1: Strengthen the capacities of AKIS actors

## Specified objective 1:

Enhance human capacities of advisory services (the existing public and new private)

### Required Action 1.1:

1. Introduce a life-long learning programme for advisors

Impact	Feasibility
--------	-------------

### Deliverables:

7

7

- Accredited life-long learning programme for advisors
- Organised recurrent trainings for advisors on yearly basis

Resources needed: MAFWE, Donors, EU funds

Timeline: 2023-2025

### Required Action 1.2:

1. Establish Educational Centre for certifying advisors

Impact	Feasibility
--------	-------------

### Deliverables:

7

6

- Accredited programme for advisors with different modules
- Classroom(s) equipped
- Established management structure
- Trained teaching staff
- Developed business model
- Developed regional network of relevant Educational Centres

# Strategic Objective 1: Strengthen the capacities of AKIS actors

## Specified objective 2:

Enhance human capacities of public institutions in supporting RITT

### Required Action 2.1:

1. Continuous training for public administration

Impact	Feasibility
7	7

### Milestones :

- Training needs assessment of public administration to support AKIS functioning
- Allocation of financial resources to support participation on training, study visits etc. of the public administration

### Deliverables:

- Trained staff to support AKIS functioning

**Resources needed:** MAFWE, Donors, EU funds

**Timeline:** 2023-2025

# Strategic Objective 1: Strengthen the capacities of AKIS actors

## Specified objective 3:

Enhance human capacities employed in the research and education sector

### Required Action 3.1:

Impact	Feasibility
7	4

### 1. Enhance research and education

#### Milestones (some):

- Increase evidence-based research
- Increase industry real problem solving research
- Motivate collaboration research-industry
- Participation in joint research activities with regional and international institutions
- Participation on scientific conferences, forums etc.

#### Deliverables:

- Published contemporary research papers in well-recognised journals and other relevant publications
- Developed new technologies and innovative products

Resources needed: MON, MAFWE, Donors, EU funds

Timeline: 2023-2025

# Strategic Objective 1: Strengthen the capacities of AKIS actors

## Specified objective 4:

Introduce reforms in the agri-food education with focus on RITT development

### Required Action 4.1:

1. Study programmes to support innovations in the agri-food industry

Impact	Feasibility
7	6

### Milestones :

- Adopt the Smart Specialisation Strategy
- Form advisory board to support the processes of study programmes (re)accreditation
- Revision of the existing study programmes
- Increase mobility of students and academic staff
- Practical education for students at the industry and on experimental fields

### Deliverables:

- Competitive, but not competing, studies in the agri-food sciences with a focus on innovations

**Resources needed:** MON, MAFWE, Donors, EU funds

**Timeline:** 2023-2025

# Strategic Objective 1: Strengthen the capacities of AKIS actors

## Specified objective 5:

### Strengthen RITT capacities of research and education institutions

#### Required Action 5.1:

1. Modernise demonstration farms

	Impact	Feasibility
Milestones (some):	7	6
Deliverables:		

#### Milestones (some):

- Design measures to support modernisation
- Develop a business plan

#### Deliverables:

- Modern demonstration farms

#### Required Action 5.2:

1. Modernise education facilities

	Impact	Feasibility
Milestones (some):	7	6
Deliverables:		

#### Milestones (some):

- Equip research and education institutions with high-tech classrooms and laboratories
- Distance learning tools

#### Deliverables:

- Modern teaching and research facilities

**Resources needed:** MON, MAFWE, FITR, Donors, EU funds

**Timeline:** 2023-2025

# Strategic Objective 1: Strengthen the capacities of AKIS actors

## Specified objective 6:

Strengthen RITT capacities of farming based organisations in their mediation role

### Required Action 6.2:

1. Strengthen cooperation between them

### Milestones (some):

- Support networking activities
- Development of digital tools
- Establish a Forum to motivate policy dialogue

### Deliverables:

- National platform of these organisations
- International network of these organisations

**Resources needed:** MAFWE, FITR, Donors, EU funds

**Timeline:** 2023-2025

Impact	Feasibility
6	6

# Strategic Objective 2: Introduce new structures in the AKIS

## Specified objective 7:

### Establish private advisory service

#### Required Action 7.1:

1. Establish appropriate legislation for advisory services

#### Milestones (some):

Impact	Feasibility
7	7

- Preparation of law and by-laws for advisory services
- Set clear regulation to distinguish between private and national advisory service etc.

#### Deliverables:

- Adopted law and by-laws for advisory services

**Timeline:** 2022-2023

#### Required Action 7.2:

1. Set supporting infrastructure for advisory service

#### Milestones (some):

Impact	Feasibility
7	7

- Establish management committee
- Prepare financing models, contracts and bidding documents, databases of advisors etc.
- Introduce monitoring models and instruments

#### Deliverables:

- Functional advisory services

**Resources needed:** MAFWE, Donors, EU funds



# Strategic Objective 2: Introduce new structures in the AKIS

## Specified objective 8:

Establish other institutions/ organisations to support RITT in the agri-food sector

### Required Action 8.1:

1. Establish business incubators

#### Deliverables:

- |                      | Impact | Feasibility |
|----------------------|--------|-------------|
| <b>Deliverables:</b> | 6      | 5           |
- Operational business incubators
  - Improved innovation capacities in the agri-food sector

**Timeline:** 2024-2026

### Required Action 8.2:

1. Establish Innovation Centres in agri-food industry

#### Deliverables:

- |                      | Impact | Feasibility |
|----------------------|--------|-------------|
| <b>Deliverables:</b> | 6      | 5           |
- Operational Agriculture Innovation Centre
  - Operational Demonstration centres
  - Improved innovation capacities in the sector

**Timeline:** 2025-2027

### Required Action 8.3:

1. Establish Centres of Excellence in agri-food industry

#### Deliverables:

- Operational Centres of Excellence
- Improved innovation capacities in the sector

**Resources needed:** MAFWE, MoE, MON, FITR, Donors, EU funds

## Strategic Objective 3:

# Create functional relationships between AKIS actors

## Specified objective 9:

### Coordination of AKIS

#### Required Action 9.1:

1. Establish a Coordination Body of AKIS

Impact	Feasibility
7	6

#### Milestones :

- Facilitate networking for coordination, cooperation and exchanges between various AKIS institutions
- Develop technical guidelines for operation of the Coordination Body
- Build capacities of innovation brokers
- Inter-sectorial coordination between different public institutions

#### Deliverables:

- Coordination Body established
- Functional AKIS

**Resources needed:** MAFWE, Donors, EU funds

**Timeline:** 2023-2025

# Strategic Objective 3: Create functional relationships between AKIS actors

## Specified objective 10: Encourage farmers-led interactive innovation

### Required Action 10.1:

1. Establish groups of farmers for a farmer-led interactive innovation

Impact	Feasibility
7	5

### Milestones :

- Increase awareness among farmers on the importance to exchange knowledge and co-innovate
- Introduce benchmarking for farm performance
- Introduce field labs
- Introduce monitor farms
- Introduce levy boards etc
- Develop thematic programmes on social

### Deliverables:

- Improved on-farm innovation, farming practices and performances

**Resources needed:** MAFWE, Donors, EU funds

**Timeline:** 2025-2027

## Prioritisation of the required actions from the AKIS Action Plan

Rank	Required action	Deadline	Impact*	Feasibility**
1	7.1. Establish appropriate legislation for advisory services	2022-2023	7	7
1	7.2. Set supporting infrastructure for operation of the private advisory services	2022-2023	7	7
1	1.1. Introduce a life-long learning programme for advisors	2023-2025	7	7
1	3.1. Continuous training for public administration	2023-2025	7	7
2	1.2. Establish Educational Centre for certifying advisors	2023-2025	7	6
2	9.1. Establish a Coordination Body of AKIS	2022-2023	7	6
2	4.1. Study programmes to support innovations in the agri-food industry	2023-2025	7	6
2	5.2. Modernise education facilities	2023-2025	7	6
3	5.1. Modernise demonstration farms	2025-2027	7	5
3	10.1. Establish groups of farmers for a farmer-led interactive innovation	2025-2027	7	5
4	2.1. Enhance research and education	2023-2025	7	4
5	6.1. Modernise farmer based organisations	2023-2025	6	6
5	6.2. Strengthen cooperation between different farmer based organisations	2023-2025	6	6
6	8.1. Establish business incubators	2024-2026	6	5
6	8.2. Establish Innovation Centres in agri-food industry	2025-2027	6	5
7	8.3. Establish Centres of Excellence in agri-food industry	2025-2027	5	4

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# THANK YOU FOR YOUR ATTENTION!

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