Agricol Smart Cluster
MIRESU MARE

OVERVIEW · OCTOBER 2026

Mireșu Mare-Agricol Smart Cluster

Cluster association for smart agriculture, applied research and sustainable rural development, based in Mireșu Mare commune, Maramureș County, Romania.

Legal status
Civil Ruling no. 2805/2026, Baia Mare District Court, 4 March 2026
Registered office: 39 Dorobanților St., Mireșu Mare, Maramureș County
Unlimited duration · Four Clover model
Profile on the European Cluster Collaboration Platform (ECCP)

01 · PURPOSE

Mission: collaboration, complementarity, innovation, knowledge transfer and efficient use of resources for sustainable rural development.

23 statutory objectives, grouped into 6 pillars

R&D and innovation
collaborative platforms, new products and solutions, applied research

Technology transfer
ideas, know-how, databases and results applied in the private sector

Investment and infrastructure
joint investment, farm infrastructure, prototypes, market entry

Human capital and skills
vocational training, qualified staff, university involvement

Funding and projects
grants, non-repayable funds, consortia and development strategies

Sustainability and rural development
lower environmental impact, responsible rural practices

02 · SCALE

The cluster at launch

7 founding members: private, public, academic and business

23 statutory objectives grouped into 6 pillars

12 functional areas in the working structure

1 water centre with 4 operational units and 2 advisory councils

8 directorates covering 123 sectors

1 Recognised in the ECCP network

03 · ORGANISATION

How the cluster is organised

Founding members · Four Clover model

Private sector
SC Proiecte de Dezvoltare Locală Mireșu Mare SRL

Public administration and representation
Mireșu Mare Commune (local authority)
Maramureș Branch of the Association of Communes of Romania (ACOR)

Academia and research
USAMV Cluj-Napoca
Technical University of Cluj-Napoca
Universitas Foundation

Business representation
Maramureș Chamber of Commerce and Industry

Membership is open to companies, farmers, universities and research institutes, public authorities and NGOs.

What each partner brings and gains

The cluster
aggregation platform, shared governance and portfolio development for innovation, funding and rural development projects

Public administration
brings assets, institutional support, permits and fit with territorial strategies; gains mature projects and useful local infrastructure

Universities and research
bring expertise, curricula, technology validation; gain technology transfer, data access, long-term partnerships

Companies and investors
co-financing, technology, market access; early access to flagship projects, regional services, innovation

members form the General Assembly

General Assembly
the association's deliberative body

Auditor or audit committee
control and oversight

Board of Directors
management and administration

Strategic partners

Presidency
President of the association

research department, approved 12 Oct 2026

Technical Secretariat

Executive Coordination

Working Groups

Management and support functions

- **Leadership and strategy** — executive management · strategic planning · governance and decisions · relations with founding members
- **Finance and administration** — budgets and cash flow · accounting · membership fees and invoicing · procurement and administration
- **Legal, compliance and ISO** — contracts and permits · legal compliance · internal procedures · ISO standards
- **Operations, logistics and infrastructure** — operational coordination · technical infrastructure · project logistics · maintenance

Development, funding and relations

- **EU funds and projects** — identifying funding · proposal writing · implementation management · reporting and monitoring
- **Partnerships and member relations** — attracting new members · farmer relations · public-private partnerships · international cooperation
- **Training and events** — courses and certification · workshops · conferences and fairs · skills transfer
- **Marketing, advertising and Meta** — cluster branding · online campaigns · social media and Meta Ads · PR

Innovation and technology

- **Research, innovation, tech transfer** — university partnerships · testing and piloting · know-how transfer · smart agriculture solutions
- **AI, cybersecurity and data** — applied artificial intelligence · cybersecurity · data protection · data analysis and automation
- **Digitalisation and IoT solutions** — sensors and monitoring · farm automation · drones and remote sensing · software platforms
- **Sustainability and rural development** — sustainable agriculture · green energy · resource efficiency · community impact

Solid line: reporting line. Dotted line: control or collaboration, without a reporting line.

Center for Water Management in Agriculture

General Assembly

Board of Directors

Centre Honorary President
Representation, outside the reporting line

Centre Director (CEO)
Prof. Dr. Univ. Rizea Marian

Scientific and Research Council
Vice-Rector, Assoc. Prof. Dr. Eng. Dinu Daraba
Critical/Vital Infrastructure
AI + Cybersecurity
Topics and applied methodologies

Users' Council
Prof. Dr. Univ. Odagiu Antonia
Farmers, OUAI, ANIF, river basin administrations, local authorities

Applied research
Pilot farms, precision irrigation, soil as reservoir, treated wastewater
At least 3 practices

Data and analysis
Water-soil balance, Copernicus data, drought, National Water Factsheet
Baseline report

Training, transfer
Farmers, advisers, town halls
Blue Training catalogue
1 programme delivered

Policy and EU
Basin plans, post-2027 CAP, project proposals
At least 3 proposals

Research partners
USAMV Cluj-Napoca
Technical University of Cluj Napoca
EU institutes and partners

Pilot farm network
At least 4 farms in different agro-climatic zones
Water meter, soil sensors and weather station

04 · EUROPEAN RECOGNITION

The cluster is registered in the European cluster community

What ECCP is

European Cluster Collaboration Platform (ECCP) is the European Commission's online platform for cluster organisations. Running since 2015, it brings together about 1,500 clusters from Europe and beyond, shown on an interactive map. The profile of Mireșu Mare-Agricol Smart Cluster has been approved and published on the platform.

What it means for members and partners

- international visibility: the cluster's news, events and documents are published on the platform and may appear in the ECCP newsletter
- partner search for European projects, through the Partner Search tool
- access to matchmaking events, webinars and open calls for clusters

The cluster's ECCP profile
Scan the code or open:
profile.clustercollaboration.eu
Platform:
clustercollaboration.eu

05 · DIRECTORATES AND VICE-PRESIDENTS

The 8 directorates and their leadership

123 sectors, grouped into 8 directorates.
Directorates 1–7 are led by vice-presidents, directorate 8 by the President.

President of the association
Romeo Oiță

DIRECTORATE 1 — Crop Production, Forestry and Sustainable Agriculture

VICE-PRESIDENT
Decan of USAMV Cluj, Prof. Dr. Teodor Rusu

14 sectors
field crops · horticulture and vegetable growing · fruit growing and viticulture · floriculture and ornamental plants · forestry and agroforestry · organic farming and organic products · plant protection and phytosanitary health · soils, pedology and land fertility · restoration of degraded farmland · irrigation and agricultural water management · drought management and crop adaptation to climate change · seeds, planting material and plant propagation · fertilisers, biostimulants and plant nutrition · medicinal and aromatic plants and specialty crops

DIRECTORATE 2 — Animal Husbandry, Biogenetics and Aquaculture

VICE-PRESIDENT
Decan of USAMV Cluj, Prof. Dr. Teodor Rusu

15 sectors
cattle farming · sheep and goat farming · pig farming · poultry farming · horses · beekeeping and bee products · small animals and alternative species · fish farming and aquaculture · biogenetics and animal breeding · reproduction and genetic material · veterinary medicine · biosecurity and disease prevention · animal nutrition and feeding · animal welfare · traceability of livestock and animal products

DIRECTORATE 3 — Agritech, Digitalisation and Cybersecurity

VICE-PRESIDENT
Eng. George Deac

15 sectors
agricultural mechanisation and machinery · precision agriculture · IoT technologies for agriculture · drones and aerial imaging · robotics and farm automation · artificial intelligence and predictive analytics · agricultural databases and digital platforms · crop and livestock monitoring · GIS mapping and remote sensing · smart systems for greenhouses and farms · IT infrastructure and communications · cybersecurity · data protection and access control · continuity and resilience of IT systems · digital services for farmers

DIRECTORATE 4 — Food, Bio Studies and Agri-Food Industry

VICE-PRESIDENT
Decan of USAMV Cluj, Prof. Dr. Teodor Rusu

15 sectors
food and nutrition · bio studies and food research · food safety · quality control of agri-food products · food traceability · meat and animal product processing · milk and dairy processing · fruit and vegetable processing · milling, baking and cereal products · preserving, drying and freezing · organic, functional and high-nutritional-value products · local gastronomy and traditional products · packaging and labelling · product certification and geographical indications · valorisation of agri-food by-products

DIRECTORATE 5 — Infrastructure, Logistics, Energy and Environment

VICE-PRESIDENT
Assoc. Prof. Dr. Dinu Daraba, Vice-Rector of the Technical University of Cluj-Napoca

16 sectors
storage and agri-food hubs · cold chain · sorting, grading and packing · agricultural transport and logistics · collection and distribution infrastructure · renewable energy in agriculture · photovoltaics, biogas and biomass use · energy efficiency · water management · irrigation infrastructure · environmental protection and biodiversity · circular economy · agricultural waste management · valorisation of crop and animal residues · reducing emissions and carbon footprint · protection of agricultural infrastructure

DIRECTORATE 6 — Research, Innovation, Education, Tech Transfer

VICE-PRESIDENT
President of the Universitas Foundation, **Cosmin Nicolae Sabo**

15 sectors
applied research · innovation and experimental development · technology transfer · pilot projects and demonstration farms · testing of agricultural technologies and products · cooperation with universities and research institutes · academic partnerships · vocational training · vocational retraining · training of drone and smart-equipment operators · agricultural education for young people · consultancy and technical assistance for farmers · agri-business incubation and acceleration · rural health and telemedicine · quality of life in rural communities

DIRECTORATE 7 — Economic Development, Funding and Markets

VICE-PRESIDENT
Eng. Anca Cozmuta

15 sectors
EU and national funding · project design and management · attracting investment · investor relations · economic development and rural entrepreneurship · cooperatives and associative forms · joint procurement · commercial negotiation · market access and distribution chains · export and internationalisation · marketing and promotion of local products · territorial branding · e-commerce and sales platforms · agritourism and rural tourism · economic relations and international partnerships

DIRECTORATE 8 — Governance, Quality, Security and Administration

PRESIDENT
Romeo Oiță

18 sectors
strategy and institutional development · performance monitoring and evaluation · legal and compliance · institutional relations and public administration · ISO standards and management systems · internal audit and management control · quality management · risk management · business continuity · civil security and institutional protection · emergencies and crisis management · finance and accounting · human resources · administration and assets · communication and public relations · relations with cluster members · events and community activities · secretariat and records management

Sources: Civil Ruling no. 2805/2026; cluster presentation for private and institutional partners; the cluster's organisational map and directorate structure; Map Center H2O (Word document); ECCP confirmation of profile publication; clustercollaboration.eu.