



# **REVIEW FROM SERBIA**

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**Ministry of Agriculture and Environmental Protection**

**Republic of Serbia**





# Ministry of Agriculture and Environmental Protection

- Ministry of Agriculture and Environmental Protection performs state administration, which relates to:
- strategy and policy development of agriculture and food industry;
- analysis of production and agricultural markets;
- the balance of agricultural and food products and the system of stock reserves of basic agricultural and food products;
- measures of market-price policy, structural policy and land policy in agriculture;
- preservation and sustainable use of plant and animal genetic resources for food and agriculture,
- as well as other duties specified by law.



# Water Directorate

- Water Directorate as an administrative body within the Ministry of Agriculture and Environmental Protection performs tasks related to
- water management policy
- multipurpose use of water; water supply, except for water distribution;
- protection of water; implementation of water protection measures and the planned rationalization of water consumption; water regimes;
- monitors and maintains the water regimes that constitutes or cross the borders of Serbia;
- inspection in the field of water management; performs other activities in this field.



# Directorate for Agricultural Land

Directorate for Agricultural Land performs following tasks:

- Planning, protection, development and use of agricultural land,
- management of agricultural land owned by the state;
- establishment and management of Information System on agricultural land in Serbia;
- the allocation of funds for development and implementation of the Annual Program of protection, arrangement and use of the agricultural land in Serbia;
- as well as other duties specified by law.

A composite image showing various agricultural products like corn, pumpkins, and wheat stalks, overlaid on a background of a golden agricultural field under a blue sky with white clouds. The scene is framed by a dark, wavy border at the bottom.

# The Information System for Agricultural Land

- Directorate for Agricultural Land established the Information System / Geographic Information System for Agricultural Land as Web Application
- Together with municipalities Directorate started to perform Annual Program of protection, arrangement and use of the agricultural land in Serbia in 2017.
- 2 applications communicates LOCALIC (GIS) and INZEM (Database of parcels obtained by Republic Geodetical Authority)
- Bases/Layers are: Digital Ortophoto Records, Digital Cadastral Plan (DKP) and Cadastar of parcels and immobilities



# Priorities

- To introduce in Information System as more provided data (fertility control, protected zones, statistics, relevant data from hydromet...) to obtain analysis for decision making and strategic planning to secure
- More effective usage of agricultural land
- Investments in agro-processing industry
- Increase of livestock and yields
- Increase of revenue
- Economic growth



# Challenges

- All Directorates in the Ministry are facing the droughts problems. Additional issues are:
- Insufficient coverage with irrigation systems
- Fragmentation of farmlands (average 4 hectares) complicates drought monitoring
- Separated and incompatible data by different institutions, meteorological, hydrological, hydrogeological, spatial...
- Better connection between relevant institution in Serbia
- Specially Ministry and Hydromet



## Summary from the training

- Good selection of the participants, decision makers and the hydromet together
- Some presentations were too scientific
- Training should be compressed in less days
- From our side some presentations were very well prepared, very clear and understandable





## Proposal for the future cooperation

- In Serbia, at this time, the missing amounts of soil water have not been adequately assessed to provide an indication of the needed quantity of water that should be used for irrigation.
- For this reason, it is necessary to define locations and obtain the soil moisture automatic stations which would record the status of soil moisture for different soil types, elevations, and areas, so that the budgeting model can be better calibrated, also in integration with remote sensing products related to soil moisture. High resolution Map of vegetation cover is also missing.
- To identify proper drought management measures



Thank You