

# **Slovenian agrometeorological information system (SAGMIS)**

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Slovenian agrometeorological information system (SAGMIS) represents collection of data and its transformation into useful information in user friendly format. Information has an increasing value when it is disseminated in such a way that the end - users get the maximum benefit in applying its content. The internet technologies are getting more important role in every day agriculture practice in Slovenia too. This paper looks specifically at how information and communication technologies are used to reach farmer communities with agrometeorological information for different purposes in decision making.

SAGMIS is internet based GIS information system, where the end user is collecting information via dynamical maps at different areas in Slovenia. Data are dispersed in different databases and different computer servers. SAGMIS is redirecting information to end - user through SAGMIS web portal. Registered user can select different predefined layers from layer menu and load them on the selected map area. Selected map area can expand from country to farmer scale. Also user can select information from different meteorological and agrometeorological stations simply by clicking on the map point. There are 39 automatic weather stations in database which are collecting data on hourly basis. Additionally 9 online meteorological stations are collecting and sending data into database in daily basis. All these data are available to end - user on real time. Also it is possible to select radar precipitation and satellite images as raster layers and spill them on the map as additional information about current weather conditions. Calculated products, such as potential and actual evapotranspiration, irrigation, soil moisture and leaf wetness, are also available in “semi” real time.

SAGMIS is constantly developing due to new internet technologies and user demands. It is based upon open source programs and is simply linked with other similar information systems using Open GIS Consortium (OGC) standards.