



## An overview of agricultural decision support systems in Europe

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### Abstract.

There is still a big difference in European agriculture concerning technological development and organization. Consequently, in a vast majority of European countries and regions, especially those of southern and eastern Europe, a well-developed sphere of formation and transfer of knowledge is required. In that context the FARM project, funded within the framework of the EU Erasmus+ program, is focused on innovative approaches of knowledge exchange that will be taking advantage of new digital technologies. Information and communication technologies should play a vital role in the development of agriculture and empowerment of rural communities. Within the project a special focus lies on spatial decision support systems (SDSS). Spatial information is indispensable in the agricultural sector, and regional planning in general. Therefore, spatial data are vital for decision making in such areas. As a first step, a systematic review of literature and Internet sources was carried out in order to collect information on existing DSS tools. In order to visualize the findings, a dashboard was created, thus including statistics of the results, and foremost a digital map that provides a comprehensive overview of locations where DSS are under development or in usage throughout Europe. The dashboard provides furthermore a valuable database for future research and builds the basis for the next tasks to be carried out within the FARM project in which partners from Spain, North-Macedonia, Lithuania, Cyprus and Germany cooperate closely on the mentioned subjects.

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