Agro 4.0: Una posibilidad de mejora en el campo venezolano o una solución para la agricultura en Venezuela? [

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text (article)

Analítica

The irruption of information technologies in all activities of society has brought significant improvements in its development. Agriculture and agribusiness have been two of the great beneficiaries of these changes, by improving the quality of the data obtained, the development of models for more precise agriculture, as well as the management of the value chain from suppliers to the end consumer based on the Internet and other digital tools. However, to achieve these goals, it is necessary to improve the training of the people involved and new ways of managing resources and production processes. This article aimed to characterize and to analyze the Venezuelan situation regarding the use of these technologies, and then formulate a proposal for their management, with the ultimate aim of ensuring that these benefits reach the different agri-food chains in Venezuela. Previous studies conducted by the team verified that agricultural producers are indeed in the best position to face the AGRO 4.0 paradigm, including the management of their water resources and productive activities, in order to have an environmentally friendly production. The analysis of the current situation and the prospects for the implementation of AGRO 4.0 technologies indicates that pressure on water resources can be reduced (Sustainable Development Goal 6.4.2), as well as improving the profitability of agri-food sector activities and increasing governance. In the specific case of the study of the situation in Venezuela with respect to the use of these technologies, the economic and technological limitations available and the lack of technological training for users are the main reasons that led to the formulation of a proposal for their management. Its purpose is that these benefits reach the different chains through a structure that allows the use of technology by rural producers, incorporating aspects of the implementation of a shared technological infrastructure, technological literacy schemes, an

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