Considerations on the Opportunity to Implement Specific "Smart" Agriculture Initiatives into Action

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Abstract

Low-impact technologies are continuously designed and improved to decrease the impact of anthropic activities on the ecosystems. The intention is to limit, if not eliminate, most of the possible causes of climate change. In this context, our study is integrated. Several new initiatives focus on the farming area. One of them intends to include information technology in the domain. The provocations and constraints for implementing some of the precision agriculture instruments were the focus of the present research. We intend to determine the opportunity to implement activities specific to the "smart" agriculture concept. For that, a questionnaire was applied. The target group consisted mainly of people in contact with different field sectors, producers and/or consumers. It was remarked that all respondents were aware of the concept of "smart" agriculture. Over half of them considered that the approach is meant to optimize and improve the sustainability of agricultural production. The results obtained by analyzing the data could provide a basis for local authorities and legal deciders to project mechanisms that facilitate the performance of the vision considered. The actions will be established given the limitations suggested by the respondents who have implemented some specific instruments.

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Keywords

Advanced technologies, Farmer's considerations, Implementation degree, Precision agriculture, Process monitoring

Current status of the research is: Work-in-progress

Potential collaboration with Authors

I am interested in exploring potential collaborations to develop technologies or biotechnologies for valuing waste (e.g., agricultural waste, wastewater, and food waste).







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