



land



an Open Access Journal by MDPI

Evaluation, Application, and Opportunities of Land-Use Decision Support System in Agriculture

Guest Editors:

Dr. Concetta Cardillo

Council for Agricultural Research and Economics (CREA) - Research Centre for Agricultural Policies and Bioeconomy (CREA-PB), via Barberini, 36, 00187 Rome, Italy

Dr. Marco Vassallo

Research Centre for Agricultural Policies and Bioeconomy (CREA-PB), Council for Agricultural Research and Economics (CREA), 00198 Rome, Italy

Dr. Claudia Di Bene

Research Center for Agriculture and Environment (CREA-AA), Council for Agricultural Research and Economics, 00184 Rome, Italy

Deadline for manuscript submissions:
closed (31 March 2024)



mdpi.com/si/155474

Message from the Guest Editors

While land use performs many social functions and contributes to sustainable development, it is often unclear how these functions are affected by policy decisions and common drivers of land use change, such as economic development, climate change and demographic. To better manage this phenomenon, the application of decision support system (DSS) in agriculture and the environment has increased rapidly, with the aim of establishing optimal land use patterns which are balanced trade-offs between achieving objectives and reducing the assessed risks. As such, this Special Issue intends to evaluate the development and implementation of DSS for land use, linking the results of land use models with the decision-making process of socio-economic and land use management in order to identify new directions for the development of the DSS.

Keywords

- decision support systems
- sustainable land uses
- ecosystem services
- vulnerability
- resilience
- policy and management strategies
- models and analytical tools for land use management

Special Issue



land



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Christine Fürst

Department Sustainable
Landscape Development,
Institute for Geosciences and
Geography, University of Halle,
Halle, Germany

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SSCI (Web of Science), GEOBASE, PubAg, AGRIS, GeoRef, RePEc, and other databases.

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Nature and Landscape Conservation)

Contact Us

Land Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/land
land@mdpi.com
X@Land_MDPI