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Application of Participatory Geographic Information Systems in Land Use Planning

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Message from the Guest Editors

Participatory GIS (PGIS) is a valuable tool bridging space and citizens. It allows stakeholders and local communities to share their spatial knowledge and perceptions leading to community-based decision-making. PGIS projects employ a wide range of approaches (mental mapping, participatory sketch mapping, and participatory three-dimensional modelling) coupled with various tools (Global Positioning System, aerial photographs, remotely sensed data, photography, video, etc) offering important high-technological synergies. A significant area of PGIS application is urban land use planning, where PGIS can be considered a planning support system. PGIS allows local authorities to disseminate their intentions and investigates people's opinions on the process. This interactive planning can contribute to safe and healthy living while protecting the environment, allowing for economic development and the development of appropriate infrastructure. PGIS is also supportive of indicators engineering and computational planning that efficiently calibrates and orients territorial governance actions.



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Message from the Editor-in-Chief

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