

Sustainability and IS: The Role of Location

The Special Interest Group on Geographic Information Systems (SIGGIS) of the Association for Information Systems (AIS) invites theoretical and empirical research papers focusing on, but not limited to, digital innovation and its role for sustainability, particularly the role of location, including the areas of renewable energy, green IT and green IS, and case examples, especially as they relate to research areas in Management Information Systems.

Call for Papers

GIS can play a key role in improving sustainability by collecting and managing data and analyzing these data integrated (or overlaid) with other types of data, such as demographic data. For example, GIS can improve supply chain logistics and transportation management by identifying eco-routes and eco-efficient supply chains. GIS can also serve as a common platform that integrates people, processes, things, environments, and data about them and, thereby, generate insights for sustainable development. Spatial data comprise much of the data that organizations collect (so-called big data). Thus, we posit that organizational adoption of sustainability strategies necessitates models that incorporate location data regarding environmental processes and impacts, location information about causes and effects, and knowledge sharing about what works, what does not, why, and where. We also postulate that sustainability requires organizations to build up a common platform to collect, analyze, and share geo-referenced data on the environment.

Manuscripts are solicited focusing on conceptual model, theory, methodology, applications, behavioral studies, and case studies with regard to emerging opportunities and challenges for the role of digital innovation associated with GIS for sustainability. Manuscripts on a variety of topics related to the broader realm of GIS applications in organizations and government, e.g., renewable energy and green IT, and green IS, are welcome in the following areas:

Potential topics (not limited to topics listed below):

- Emerging opportunities and issues for sustainability and digital innovation
- Digital innovation with GIS for sustainability
- Location-aware IoT for sustainability
- Location-aware AI for sustainability
- Sustainability with spatial decision support
- Social media location analytics for sustainability
- Role of location for sustainability in the collaborative (or sharing) economy
- Mobile-based location analytics and applications for sustainability
- Use of GIS and location analytics for sustainability in nonprofit organizations.
- Country-level studies for sustainability with the use of location analytics and GIS.
- GIS and renewable energy development, use, and disposal
- GIS and sustainable economic development
- GIS and sustainable villages, cities, societies
- Green IS and the role of location
- Environmentally friendly IT and the role of location

Authors are encouraged to clearly identify and articulate the role of location or place in the research questions.

IMPORTANT DATES:

- Deadline to submit papers: November 1, 2021 (no later than midnight EST).
- Author notification of paper acceptance: November 22, 2021 (no later than midnight EST).
- Final papers due: December 3, 2021 (no later than midnight EST).

PAPER FORMAT, SUBMISSION, REVIEW, PUBLICATION, and PRESENTATION:

- Papers should not exceed 6,000 words including all text, abstract, figures, tables, references, and appendices.

- Papers should conform to the ICIS 2021 submission template available at <https://icis2021.aisconferences.org/paper-templates-pcs-guide-for-authors/>
- All submitted papers will be peer-reviewed.
- Completed papers should be submitted to Dr. Avijit Sarkar by email: Avijit_Sarkar@redlands.edu with “Pre-ICIS SIGGIS 2021 Workshop: Research Paper Submission” in the subject line.
- Papers will be published as part of Proceedings of SIGGIS 2021 pre-ICIS Workshop at <http://aisel.aisnet.org/siggis/>
- At least one author must register and attend SIGGIS 2021 pre-ICIS Workshop to present the paper. Paper presentation is tentatively scheduled as part of the Workshop on Sunday, December 12, 2021.
- This Call for Papers along with an Announcement on SIGGIS 2021 pre-ICIS Workshop on “Sustainability and IS: The Role of Location” can be found at <https://communities.aisnet.org/siggis/home>.