SDG 11 Sustainable Cities & Communities

ITS SDG Report 2025



ITS contributes to SDG 11 by applying technology and community engagement to challenges involving urban development, mobility, environmental quality, and community resilience. As a university based in Surabaya, ITS has opportunities to work with local stakeholders on practical urban issues. Digital mapping and WebGIS applications can support the management of information about public facilities and urban resources. In 2025, ITS collaborated with the Surabaya Education Office on a pilot Environmental School Index covering 250 elementary schools. The university also promoted walking and community-based urban farming as ways to support healthier and more sustainable neighbourhoods. These initiatives demonstrate how university knowledge can inform both planning and local action. Evidence on implementation, accessibility, and changes in urban conditions would help establish their contribution to sustainable cities.

583
publications

0.86
field-weighted citation impact

1.98%
proportion of arts & heritage expenditure

47
output in top 10% journals

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Research

ITS applies geospatial technologies, engineering, and environmental research to urban planning and community development. WebGIS initiatives can help map administrative boundaries, educational facilities, tourism assets, and other resources relevant to urban decision-making. The Environmental School Index provides a structured approach to assessing environmental conditions across schools. Evaluating the accuracy, use, and policy relevance of these tools would help demonstrate their value to urban planning and environmental management.

Teaching

ITS provides opportunities for students to engage with urban challenges through applied projects, fieldwork, community service, and interdisciplinary learning. WebGIS projects connect digital and spatial analysis with real-world planning needs. Community-based urban farming and environmental programmes help students understand the relationship between infrastructure, environmental quality, and residents' well-being. These experiences strengthen students' capacity to contribute to sustainable urban development.

Stewardship

ITS can support sustainable urban development by managing its campus as a setting for healthy mobility, environmental responsibility, and efficient resource use. Initiatives such as ITS Walk encourage walking and can help reduce reliance on motorised transport for short campus journeys. Campus greening and waste-management activities also contribute to the quality of the built environment. Reporting pedestrian accessibility, mobility patterns, green-space coverage, and resource consumption would strengthen evidence of the university's institutional contribution to SDG 11.

Outreach

ITS collaborates with local government and communities to address urban environmental and social challenges. The 2025 Environmental School Index pilot involved 250 elementary schools and used indicators covering infrastructure, policy, social, and economic dimensions. Community-based urban farming in Surabaya also demonstrates how local knowledge and technical support can be combined to make neighbourhoods more resilient. Documenting participating communities, policy uptake, environmental improvements, and beneficiary outcomes would help demonstrate the practical value of these initiatives.