[EE] Evening Poster | H (Human Geosciences) | H-TT Technology & Techniques

[H-TT15]Geographic Information Systems and Cartography

convener:Takashi Oguchi(Center for Spatial Information Science, The University of Tokyo), Yuji Murayama(Graduate School of Life and Environmental Sciences), Yoshiki Wakabayashi(首都大学東京大学院都市環境科学研究科)

Thu. May 24, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

This session discusses various methods which acquire, store, analyze and visualize geospatial data, and presents the outcomes of empirical studies using GIS or mapping methods. The session also deals with applications of digital data, and GIS, and mapping to various fields of earth and planetary science and human society. All presentations and discussion of this session are made in English.

[HTT15-P04]Mountain green cover index: Case study of Sripada Mountain in Sri Lanka

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Keywords:UNSDGs, Sustainable Development, GIS, Remote Sensing

In align with the United Nations Sustainable Development Goals (UNSDGs), the goal 15, the target 15.4, and the indicator 15.4.2, this research measures the green cover of the Sripada Mountain area, one of the world heritages site in Sri Lanka. In this study, we discuss the changes of green vegetations, grassland, cropland, settlements, and other lands to track the indicator 15.4.2. Subsequently, we measure the direct correlation between the green coverage of the Sripada Mountain area and other driving factors in reducing or increasing of the green vegetation, such as land clearing, urbanization, forest exploitation, timber extraction, and illegal encroachments. We forecast the situation in the year 2030 and backcast to remedy the situation to align with achieving the sustainable development goal 15, target 15.4.