International Institute for Resilient Society Saitama University
埼玉大学レジリエント社会研究センター
Saitama University

Special Lecture（特別講演）

Soil Functionality and the PEOPLES Resilience Framework: Keys to Assess and Communicate the 17 UN Sustainability Development Goals

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The importance of soil functionality in sustainable development of agriculture and rural communities has been widely explored. The lecture highlights the roles that soil physics, soil and water conservation and integrated watershed management can play in community resilience. The innovative conceptual system modelling approach known as the PEOPLES Resilience Framework (Renschler et al., 2010) is a quantitative, scalable assessment and communication platform that integrates process-based modelling with realistic data settings to support for managing extreme events in communities at different scales. The PEOPLES acronym stands for a series of seven holistic, quantitative dimensions and hierarchical lead indicators that stand for the state of functionality of systems in communities: Population and Demographics, Environmental/Ecosystem Services, Organized Governmental Services, Physical Infrastructure, Lifestyle and Community Competence, Economic Development, and Social-Cultural Capital. The concept of soil functionality and the seven dimensions of PEOPLES are capable to address all the interdependent 17 Sustainable Development Goals defined by the United Nations (UN) and can be used to effectively assess and efficiently communicate the complexity, challenges and potential solutions of the more than 150 associated targets.

Date & time : July 30th, 2018 (Mon) 16:30-18:00
Venue: Meeting Room, 2nd Floor, Dept. Civil and Environmental Engineering, Saitama University (建設工学科1号館2階会議室）

Open to everyone!

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