



1. Title

Surface Soil Resources Inventory and Integration: Soil Value and Erosion

2. Type

Interdivisional Symposium

3. Organizer(s) & Convener

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4. Rationale

Surface soil has been regarded as natural resources and important element for ecosystem. In terms of surface soil function, multifunctionality is a keyword representing food provider, flood control, carbon sequestration, filtration of pollutants as well as social and cultural functions. However, research about surface soil was commonly limited to pollution control and understanding of surface soil quality and soil's economic value was minimal. Since economic information of surface soil is important not only for soil conservation aspect but also for policy makers, it is necessary to discuss economic value of surface soil with experts from various fields.

5. Objectives

Main objective of this symposium will be to understand surface soil's economic value based on multifunctionality and quality of surface soil. In addition, soil erosion will be discussed in cooperation with soil value to develop best management system for surface soil.





6. Description

This symposium will offer an opportunity for critical and valuable discussion and to report current status about surface soil quality, soil erosion, and soil's economic value. Detailed topics of this symposium is shown below.

- Understanding economic value of surface soil and developing method for calculating soil value in national wide.
- Developing management system considering soil's quality, value, policy, and conservation issue
- Developing prediction and warning system of soil erosion considering climate change, landuse, and soil properties.
- Proposing long term schedule for conserving surface soil in terms of ecosystem service and better human life.

