



1. Title

Soil Ecosystem under Climate Change

2. Type

Commission Symposium: Comm. 4.1-Soils and Environment

3. Organizer(s) & Convener

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4. Rationale

Climate change is expected to have a great impact on terrestrial ecosystem. Understanding soil ecosystem is an essential part of terrestrial ecology. However, the assessment of soil ecosystem as affected by climate change is complex and still left unknown. This symposium will highlight the impact of climate change on soil ecosystem function and ecological processes at molecular and population levels.

5. Objectives

The potential change on soil ecological process in responding to climate change will be discussed in this symposium.

6. Description

Climate change can directly and indirectly impact the community of the components of soil ecosystem, such as soil insect, soil microbial community, soil enzyme activity, soil nematodes, etc. The response of soil ecosystem components and ecological processes to climate change would be focused on the symposium. Depending on numbers, presented papers would be 10-15 minutes.

