



### 1. Title

Marginal Soils: The Classification of Technogenic, Subaqueous, and Extraterrestrial Soil-like Bodies

### 2. Type

Commission Symposium: Comm. 1.4-Soil Classification

### 3. Organizer(s) & Convener

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### 4. Rationale

The definition of soil and thus the scope of soil classification was always a topic of an endless discussion among pedologists. Initially scientific classifications covered only soils formed in loose sediments and used in agriculture or in forestry. However, later demand for environmental soil assessment has led to a certain amplification of the soil concept. Actually many classifications include in soil classifications such objects as man-transported materials, urban soils (including those covered with asphalt), soils under shallow water, bare rock etc. The scope of soil classification strongly depends on the concept of soil. There are two main conceptual models, the genetic and the conceptual one; both models permit including a very broad range of objects in soil classifications. The genetic model considers all the zone of the contact of lithosphere with atmosphere as a soil cover (the concept allows including even extraterrestrial soils in the classification). The other concept considers all the objects, which perform the functions of soils, as "ecosols", thus extending the definition to pots and hydroponic solutions.

### 5. Objectives

To bring together the specialists who work with strongly disturbed soils, urban soils, deep-water rice growing, space research etc. To extend the pedological approach to other natural and artificial bodies.

### 6. Description

The symposium should include one invited keynote lecture and 4 to 6 oral presentations plus a poster session.

