



Elaboration of the Soil Degradation Subsystem of the National Environmental Information System in Hungary

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A successful proposal within the Environment and Energy Operational Programme for informatics development aimed at environmental protection in public administration (e-environmental protection) opened the feasibility of a program for the establishment of a national soil monitoring system for the follow up of the harmful changes in soil conditions and functioning.

The aim of the project is to collect, manage, analyse and publish soil data related to the state of soils and the environmental stresses attributed to the pressures due to agriculture setting up an appropriate information system in order to fulfil the directives of the Thematic Strategy for Soil Protection. Further objective is the web-based publication of soil data as well as information to support the related public service mission and to inform publicity. The developed information system will operate as the Soil Degradation Subsystem of the National Environmental Information System being compatible with its other elements.

A suitable representative sampling method will be elaborated. The representativity is meant for soil associations, landuse, agricultural practices and typical degradation processes. Soil data will be collected on county levels led by regional representatives but altogether will be representative for the whole territory of Hungary.

In our present paper the scheme and conceptual model of the system is presented in the hope of getting useful criticism and ideas from the session participants, which can be built into the system before the project starts in this summer.