

Welcome to final meeting of

RAMSOIL

Risk Assessment Methodologies for Soil Threats



RAMSOIL team

JRC

CNRS

CIDE

ICPA

RISSAC

Wageningen UR

Italy

France

Spain

Romania

Hungary

Netherlands



RAMSOIL

Purpose of final meeting

- To present and discuss the main results of RAMSOIL
- To discuss the main recommendations for the European Commission
- Conclusions of meeting will be in the final report of RAMSOIL

Welcome

Dr Massimo Burioni

DG Research

European Commission

The story behind RAMSOIL

Dr Luca Marmo

DG Environment

European Commission

Introduction to

RAMSOIL

Risk Assessment Methodologies for Soil Threats



RAMSOIL

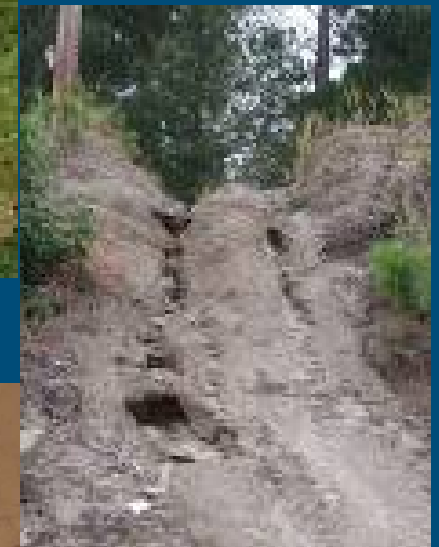
Risk Assessments
Methodologies

Soil Threats

Landslides



Erosion



Soil organic matter decline



Compaction



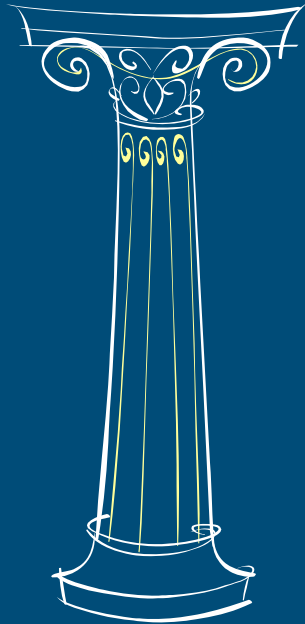
Salinization



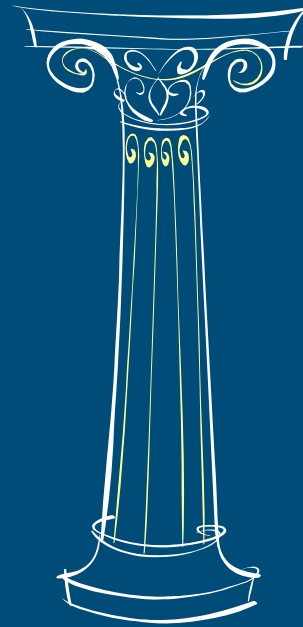
Objectives

- To provide scientific guidance on possibilities for EU wide harmonization based on detailed information on current RAMs of soil threats encountered within EU
 - Inventory of RAMs for erosion, salinisation, organic matter decline, compaction and landslides throughout the EU.
 - Scientific review/assessment of RAMs
 - Selection of options for harmonisation
 - Case-studies; what are the consequences of using different RAMs?

Objectives of RAMSOIL – Two pillars



Inventory of RAMs



Options for harmonization



Inventory of RAMs currently used in EU

Two types of questionnaires distributed over Europe:

- Policy-related questionnaire
- Thematic questionnaires (one per soil threat)

RAMSOIL; questionnaires

Thematic questionnaires: What are the pros and cons of different methods?

Policy questionnaires: Which RAMS are used and why?

costs

knowledge demand

efficiency

data availability

complexity

public acceptance

transparency

ambiguousness

scientific underpinning

support and documentation

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Risk assessment methodologies

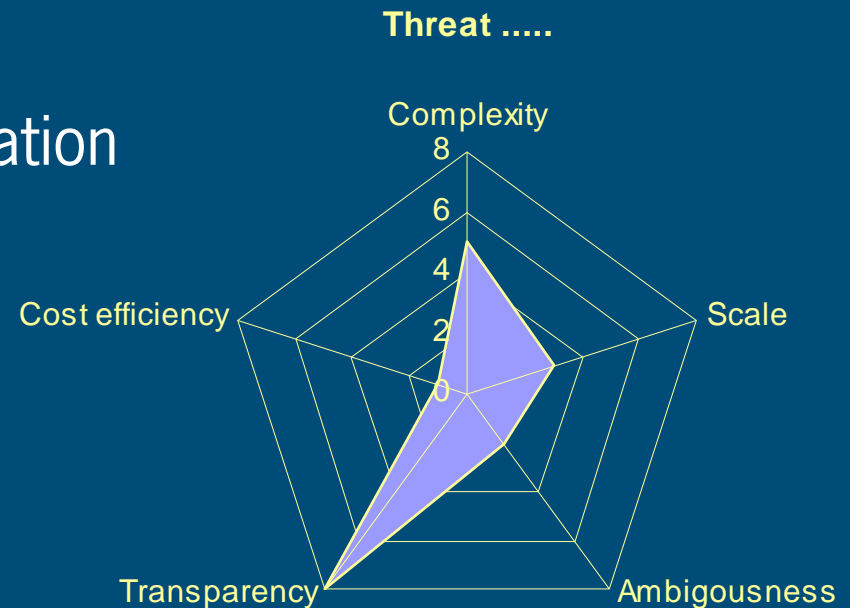
- Different steps involved
 - Notion/definition of soil threat
 - Data collection
 - Data processing
 - Data interpretation
 - Risk assessment

Definitions

- Harmonization: 'making results comparable'
- Standardization: using similar procedures and standards

RAMSOIL; expected output

1. Overview of currently used RAMs
2. Pros and cons of currently used RAMs
3. Options for harmonization
4. Consequences of harmonization
(case study)



RAMs for soil salinization

Dr Tibor Toth,

RISSAC

Hungary

RAMs for soil compaction

Dr Jan van den Akker

Alterra, Wageningen UR

Netherlands