



Soil Science

The programme focuses on soil as a natural resource: its formation, classification and mapping; physical, chemical, biological and fertility properties - which are linked to the sustainable use and management of soils. The Soil Information System is maintained as a national asset.

Activities

Soil Resources and Soil Information

- Distribution of soil characteristics
- Land type and soil profile databases
- Interpreted products (maps, models)

Land Use Planning and Advisory Services

- Crop suitability
- Environmental impact assessment
- Training courses

Soil Protection, Rehabilitation and Conservation

- Mine soil rehabilitation
- Erosion control
- Soil carbon enhancement

Soil/Crop Interactions

- Climate-smart agriculture (crops, practices and technologies)
- Conservation Agriculture

Soil Microbiology

- Environmental microbiology

Analytical Services

- Soil, water and plant analysis

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