

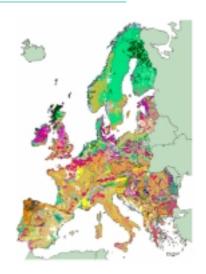


National Soil Resources Institute Cranfield Silsoe

The National Soil Resources Institute provides research, teaching, training and consultancy in all aspects of the sustainable management of land and soil resources. It is the UK's National Reference

National and international focus of activity

Centre for Soil.



www.cranfield.ac.uk/nsri/

Cranfield UNIVERSITY

National Soil Resources, Institute

Activities

- RAISING AWARENESS of soil issues to land managers, policymakers & the general public
- EDUCATING current and future practitioners
- RESEARCHING aspects of soil and land systems and their management
- MONITORING and SURVEYING land and soil resources
- ➤ ADVISING ON and UNDERTAKING land and soil management
- ➤ FORMING PARTNERSHIPS
 with other organisations with similar objectives





Soil Drivers

EU Communication: Towards a Thematic Strategy for Soil Protection

We are now placing soil protection on a level with cleaning up our water and air. For too long, we have taken soil for granted. However, soil erosion, the decline in soil quality and the sealing of soil are major problems across the EU. This is a sustainability issue given that these trends are largely irreversible and that soil is vital for our livelihood.

UK Environment Agency: The State of Soils in England and Wales

Healthy soils are vital to a sustainable environment, but there are increasing signs that their condition has been neglected. As it cannot be assumed that soil loss and damage will be recoverable, it is essential that soils are managed sustainably to keep them healthy for future generations.

> UK DEFRA: The First Soil Action Plan for England

Soil is one of the essentials of life, along with air and water. Yet it is so much a part of everyday life that there's a danger of taking it for granted. Covering most of the earth's land surface, it is the essential growing medium for our food, timber and other crops. It supports the buildings that we live and work in and the roads and rails that move us around.





Soil Functions

Support of ecological habitat and biodiversity

habitat and gene reserve

> Food and fibre production

growing medium for food, fibre, timber, energy, forage crops

Environmental interaction

filter between air and geology, stores water and carbon

Providing a platform

building and engineering foundations, influences landuse

Providing raw materials

minerals, peat, topsoil, brick clay

Protecting cultural heritage

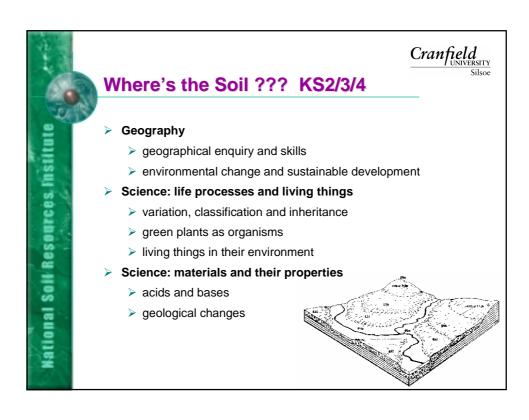
archaeological and cultural remains

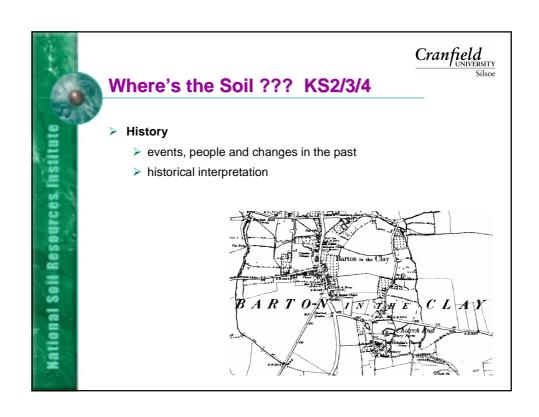
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Soil Threats

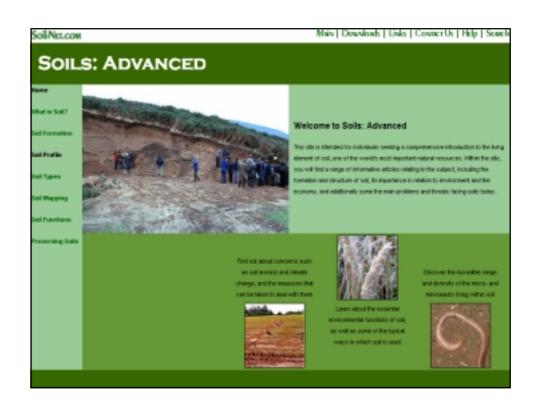
- Erosion
- > Decline in soil organic matter
- > Soil contamination (local and diffuse)
- Soil sealing
- > Soil compaction
- > Decline in biodiversity
- Salinisation
- Floods and landslides













Soil-Ner.com	Ner.com Mniv Dounlonts Links					
WOSSAC World Soil Survey Archive and Catalogue						
Nome	hen	Trie	Date	Country	Keywords	
Overview	41	Explanatory Notes on the Geological Map of Kälimanjaro (Covering Quarter degree States 42, 56 and 57)	1965	Tanpuria	Soil Servey	
Sourch Archive	<u>u</u>	Solt of the Maharunga Basin, Tanzania	1977	Tanonia	Soil Serveys, Land U.	
Latest Hoves	99	A Survey of Suls in the Kongwa and Nachingwea Districts of Tanganyaka.	1957	Tanganyika	Soil Survey	
Contact	125	Amani Menoirr A sod reconsissance journey through parts of Tanganyka treitory December 1935 to February 1936	1947	Tinganyika	Soil Servey	
	111	Exploratory soil map and agro-elimatic zone map of Kenya, 1980 Exploratory Soil Survey Report No. E1, Kenya Soil Survey, Naisohi, 1982	1959	Turguryika	Soil Survey, Land Utilization, Agriculture	
	262	A survey of the seas and land use potential of the Southern and Eastern slopes of Mr. Kálmanjaro, Tauzania	1970	Tonomia	Soil Survey	
	262	Tanzania Adar Map	1967	Tenowia	Soil Survey, Land Potential	
	305	Flat copies of Sod and Land use Potential Maps of Taumain	1967	Tanzania	Soll Survey	
	219	Flat copies of Sod and Land Use Potential Maps of Tanzania	1967	Tanonia	Soll Survey	
	211	A reconnaissance Soil Map of the Muhera Area	1962	Tanzania	Soil Survey	
	342	Sod factors affecting the distribution of the granuland types and the utilization by wild animals on the Serregeti plains, Tangasyska	1965	Tingovika	Soil Survey	



