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SOIL AND SOIL CONSERVATION
WITH FOCUS ON REMOTE SENSING

RELAZIONI E MONOGRAFIE AGRARIE TROPICALI E SUBTROPICALI - NUOVA SERIE

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Land is our true resource and soil is an essential part of the land. To keep the land alive, soil must be protected against the many forms of degradation and desertification.
This text attempts to provide a minimum knowledge on soil under three main visual angles:
- as a natural body belonging to the ecosystem,
- as a mean of production to be evaluated for fitting the man needs,
- as a natural resource to be protected, or reclaimed.
The theoretical background concerning soil physics, soil chemistry, soil biology, soil-water relationships and soil genesis is reduced to the main basic principles. Classification, survey and mapping as important phases for soil characterization and location receive more emphasis as well as land evaluation and soil degradation. Special attention is given to the remote sensing which is a powerful tool for a comprehensive soil survey.
The text ends with a full colour presentation of thirteen case studies where remote sensing has played an important role.

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