



CGIAR Annual General Meeting 2005

Stakeholder Meeting (Science Forum)
Marrakech, Morocco, December 6-7, 2005

Agenda Item 4. CGIAR Priorities: Science for the Poor

Parallel Session (d) Sustainable management of water, land and forest resources

Background/Process:

This session involves a keynote presentation by a Science Council-invited speaker, Elias Fereres (University of Cordoba, Spain), to be followed by comments from three discussants.

Document:

The keynote paper covers the issue of integrated natural resource management (INRM) and discusses the complexity of managing natural resources at the landscape level. Technological packages such as simulation models, decision support systems and tools for spatial characterization and analysis are introduced together with an adaptive management framework. The importance of achieving dynamic management processes is discussed in the context of the need to sustain high productivity in agriculture without depleting the available water and soil resources. Tools for monitoring and surveillance of soil degradation are available for use at different scales and can assist with decision making and choice of soil management techniques. Soil conservation approaches are discussed with reference to a specific case in organic olive oil production. The challenge of incorporating both the biophysical and social dimensions in research on forest, land and water management is also discussed. Recent advances in irrigation management highlight the challenge of scaling up activities and moving from planning to the management of natural resources at the landscape level.

1. Integrated Land, Water and Forest Management at Landscape Level

Comments: