Natural Resources and Environmental Economics Research Perspectives in Dryland Regions: The New Priorities

Training Course
Impact Assessment and Livelihood Analysis in Systems Research
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Natural Resources and Environmental Economics Research Perspectives in Dryland Regions: Satting the scene

- Importance and value of the natural resource base to sustainable livelihoods and resilience in the drylands

- Interconnectedness of land, water, nutrient and energy dynamics

- Logic of pastoral livestock production

- Crop production systems
Natural Resources and Environmental Economics Research Perspectives in Dryland Regions: Current Situation

- Policies and legal framework for natural resource management
- Institutional actors (local, national, regional, formal/informal)
- Infrastructure and services for natural resource management
- Capacity of key stakeholders and institutions involved
- Financing instruments and mechanisms
- Implications of climate change
Natural Resources and Environmental Economics Research Perspectives in Dryland Regions: Challenges

○ Seasonal and inter-annual variability

○ Shifting herd dynamics

○ Resource access and tenure

○ Cross-border relations

○ Planning, administration and decision making
Natural Resources and Environmental Economics Research Perspectives in Dryland Regions: Opportunities through Ecosystem/ integrated approach and adaptive management

- Land- and resource-use planning
- Integrated and participatory rangeland and natural resource management
- Water development, conservation and management
- Soils management and erosion control
- Dryland forest management and afforestation
- Conservation of biological diversity
- Development and expansion of renewable energy use
- Tourism
- Payment for environmental services and carbon sequestration
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- Policy and legal frameworks dealing with land tenure.
- Landscape and livelihood planning and decision-making built upon integrated multi-sectoral, multi-stakeholder and multilevel processes supporting pastoralists, agro-pastoralists and ecosystem processes.
- Capacity development of stakeholders and institutions in leadership and facilitation skills and practices that build resilience of agro-environments.
- Infrastructural development that is related to sustainable water development and access roads to markets.
- Research and knowledge management that provide evidence for informed decision making and policy development, scaling up appropriate practices and valuing ecosystem services.
- Harmonized funding mechanisms from both public and private sources, focused on resilience and growth-enhancing interventions in order to provide incentives for land users to manage the natural resource base in a sustainable manner.
Thank You

Thoughts ???