

REPORT OF WORKING GROUP 2

Facilitating land use change in Drylands

Group members: [please fill from meeting records]

<Note: this document has been derived from a Powerpoint presentation – PJW-ed>

Overview of discussions and conclusions

1. Land uses in drylands
2. Cross-cutting issues
3. Research recommendations
4. Development recommendations
5. Policy recommendations
6. Education/training recommendations

1. Land uses in Drylands

- Traditional agroforestry
- Agriculture (treeless)
- Rangelands (treeless)
- Protected areas- parks, game reserves etc
- Natural forests and woodlands
- Forest plantations
- Water resources, wetlands
- Settlements urban, refugee camps
- Mining and infrastructure
- wastelands

2. Cross-cutting issues 1

- poverty, gender inequity, health/HIV/AIDS
- reduction in tree cover, deforestation
- overexploitation of tree products
- land degradation
- fire
- land use conflicts
- disruption of traditional land use management systems

3. Cross-cutting issues 2

- conflict over water resources between upper and lower riparian areas
- insecurity of land and tree tenure
- inadequate access to markets

- inadequate information about dryland resources to support decisionmaking
- inequitable benefit sharing
- Lack of incentives for tree planting and management
- Inappropriate policy and legislation

Other issues 1

- Soil erosion
- Land fragmentation
- Siltation of irrigation systems, water resources
- Overgrazing
- Overstocking
- Invasive species
- Reduced biodiversity

Other issues 2

- Under-utilisation of tree products
- Conflict between conservation and utilisation
- Over reliance on exotic tree species

4. Research recommendations 1

- Resource base assessment
- Tree domestication, propagation and utilisation of trees
- Tree management practices
- Appropriate on matching of trees to different sites
- selection of trees for drought, salt tolerance

5. Research Recommendations 2

- causes of low or no regeneration
- Tree-crop-livestock interactions
- development of methods of exploring effective and efficient utilisation of tree products
- value adding-processing and marketing of wood and non-wood products

6. Research Recommendations 3

- development of appropriate soil and water conservation structures
- determining land productivity
- appropriate methods of using fire

7. Development Recommendations 1

- integrated natural resource management
- integrated water resource, and riparian area management
- participatory land use planning
- incentives for tree growing
- planting of indigenous tree species
- enrichment planting to increase tree density
- improved soil and water conservation technologies
- better marketing of tree products

8. Development Recommendations 2

- management and control of invasive species
- livestock populations (carrying capacity)
- mechanisms for equitable benefit sharing
- participatory natural resource management
- participatory policy formulation

9. Development Recommendations 3

- promote appropriate intensive farming methods
- striking a balance between conservation and utilisation

10. Policy recommendations

- participatory policy formulation
- conflict management mechanisms
- land and tree tenure
- incentives for tree growing
- recognition of gender roles and appropriate action

11. Education recommendations

- dryland resource management in school curricula
- on-the-job training for extension staff
- compilation and critical assessment of success and failures in dryland management