

WORKSHOP ON CHALLENGES IN FORESTRY RESEARCH EXTENSION

FROM 18-19 OCTOBER, 2005 AT AFRI, JODHPUR

A BRIEF WRITE-UP

The Arid forest Research Institute, Jodhpur organized a regional workshop on "Challenges in Forestry Research Extension" from 18-19 October, 2005. There were in all five themes under which papers were presented by various subject experts from India. The issues deliberated in the technical sessions of this workshop were:

- Strategies for applicability of available technology packages.
- Criteria, Indicators and of performance benchmarks.
- Best practice and guidelines.
- Potentials, expectations and constraints.
- Future strategies and methodologies.

The main objectives of the Workshop were:

1. To review the present state of affairs regarding strategy of extension by AFRI, Jodhpur.
2. To provide a platform for the presentation of extension strategies by different organizations in the forestry sector.
3. To device benchmark and indicators of performance in the field of forestry extension.
4. To compile and issue in the form of guidelines a document based on best practices of extension followed in various parts of the country.
5. To formulate framework for the future development of extension activities in the forestry sector.

The papers presented in the workshop are published in the form of book entitled "Forestry Research Extension Challenges & Strategies edited by C.S. Dange and Seema Kumar in 2009 by Scientific Publishers (India), Jodhpur.

Forestry Research Extension Challenges and Strategies contains: Welcome Address - *Balbir Singh*, Extension Endeavors of I.C.F.R.E. - *Shashi Kumar*, Status of Research and Extension Activities at Arid Forest Research Institute. - *R.L. Srivastava*. **Theme-I: Strategies for applicability of available technology packages:** papers are 1. A concept paper on forestry extension. - *Mehar Singh*, 2. Strategies for adaptation of forestry-agroforestry research for the end users. - *L.N. Harsh*, 3. Forest research in Gujarat. - *B.K. Sinha*, 4. Extension strategies for enhanced usage of lesser-known wood. - *S.H. Jain and R. Arya*. **Theme-II: Criteria, indicators and performance benchmarks:** papers are 5. Forests versus Orans and Gauchars. - *S.M. Mohnot and Kuldeep Singh*, 6. Extension of ecological principles in rehabilitation of lignite mined wastelands. - *Suresh Kumar and Parveen Kumar*, 7. Forestry research extension in Rajasthan: present status, potential, expectations, constraints, problems and strategy for future approach - *K.R. Kala*, 8. Extension technologies found useful in tree improvement work. - *C.J.S.K. Emmanuel, U.K. Tomar and Tarun Kant*, 9. Information technology for forestry research extension: potentials, impediments and direction - *A.K. Sinha, R.L. Srivastava and U.K. Tomar*, 10. Development of scientific rationale for distribution and abundance of medicinal plants of desert Rajasthan. - *Manju Singhi, Vinod Joshi and P.K. Dam*. **Theme III: Best practice and guidelines:** papers are 11. Medicinal plants - their good uses and place in forestry research extension. -

Ram Harsh Singh, 12. Forestry extension in hot arid tract: why are we not so successful - *M.A. Khan, J.C. Tewari and Pratap Narain*, 13. Strategies of tree integration to control land degradation and to increase agricultural productivity of dry lands - *G. Singh*, 14. Forests of Dadra and Nagar Haveli - *S.S. Kandpal*. **Theme IV: Potentials, expectations and constraints:** papers are 15. Applications of remote sensing and geographic information system techniques in forest studies - *Rakesh Paliwal and J.R. Sharma*, 16. Constraints in Agroforestry of medicinal plants in Rajasthan: situation analysis and suggestive remedial measures - *P.K. Dam, R.C. Sharma, Vinod Joshi, Manju Singhi and Anil Purohit*, 17. Successful demonstration of urban forestry model in Jodhpur city and strategies for its extension in other urban areas of arid region - *Pradeep Chaudhry, Arvind Apte and R.L. Srivastava*, 18. Role of forest protection research in the extension activities - *S.I. Ahmed and K.K. Srivastava*, 19. Water resource management in Marwar region of Rajasthan - *Mahendra Mehta and Suneet Sethi*, 20. Forest technology extension - integrated approach - *G.D. Singh, S.K. Sharma and J.P. Lakhera*. **Theme V: Future strategies and methodologies:** papers are 21. Forestry extension in hot arid regions of India: some pertinent issues - *Pratap Narain and J.C. Tewari*, 22. Framework for the future development of extension activities in the forestry sector - *V.N. Joshi, S.K. Intodia, R.C. Dadheech*, 23. A concept note on strategies and approaches for extension of forestry technology in arid zone. - *R.S. Mertia and Rajendra Prasad*, 24. Strategies for extension of important non-wood products technologies- *Ranjana Arya, Mala Rathore, S.H. Jain, Hemant Kumar, R.R. Lohara and R.K. Meena*, 25. Status versus future of forestry research extension. - *C.S. Dange, Sunil Kumar, B.M. Dimri and A.K. Chattopadhyay*.

Recommendations (English) and **सुझावः** (Hindi) of the said workshop are as follows:

RECOMMENDATIONS

- A minimum of 5-10% of the total budget of research should be set apart for Forestry Extension.
- Forestry Research Extension infrastructure development at district level.
- Linkages with KVK / Offices physically located within the KVK. Forestry research extension experts should be placed in KVK to reduce the expenditure.
- MOU between ICFRE and ICAR for extension interface.
- Forest research extension should lead to assured market for stake holders with appropriate mechanism.
- Strengthening of extension wings of ICFRE institutions with placement of a sociologist and an economist.
- Budgetary provision for forestry research extension under R&D projects.
- Collaboration between stakeholders and scientists/ NGOs for identifying diagnosis, economics and designing of forestry research extension requirements of user groups with bottom-up approach.
- Strengthening of capacity building and eco-sensitization of institutions.
- Some regulations for using treated wood of lesser known secondary plantation species.
- CPRs including Orans and Gauchars to be rehabilitated / strengthened / regenerated along with all the village institutions with dedication and proper technical inputs.
- Mine-over-burdens to be treated / re-vegetated / rehabilitated in a planned manner by appropriate agency in a scientific manner.
- Creation of research-cum-extension units at regional levels in the SFDs of Rajasthan, Gujarat and Dadar & Nagar Haveli with appropriate machinery.
- Strengthening of extension units with adequate man, material and machinery.
- Proper networking and sharing of knowledge.
- Proper monitoring and evaluation mechanism to be put in place.
- Proper protection and maintenance of research-cum-demonstration plots.

- Extension by kisan nurseries/farms.
- Effective implementation of suitable agro-forestry models.
- Demonstration trials of MFPs and Medicinal plants highlighting cultivation, processing, value addition and marketing.
- Remote sensing technology coupled with information technology and GIS to be utilized to augment extension efforts.
- Rejuvenation of water bodies with the help of stakeholders and proper technological interventions to increase water productivity.
- Provision for permanent demonstration plots in the mandated areas.
- Provision of normative expenditure for demonstration of technological packages.
- Establishment and development of site specific demonstrative models.
- Provision of Publicity Van and mobile exhibits.

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Thus the workshop on "Challenges in Forestry Research Extension" held at Arid Forest Research Institute, Jodhpur has embarked on wide range of topics related to forestry research and extension presented by various subject specialists published in the book "Forestry Research Extension Challenges & Strategies" in 2009 by Scientific Publishers (India), Jodhpur. This book shall be a gateway to forestry research and extension in developing effective forestry research technology dissemination strategies for linking people with forestry research development in one way or the other and to apply institutional integrated approach in a co-ordinated manner through effective nodal extension wing experienced technical personnel so as to derive maximum benefits for improving productivity of land and enhancing livelihood.