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**Forest-PLUS**  
Partnership for Land Use Science

# Forest-PLUS – Progress Update

“Consultation on Climate Change, REDD+ and Forest-PLUS”  
Hoshangabad, Madhya Pradesh  
February 12, 2015



## **DEVELOP AN ECOSYSTEM APPROACH TO FOREST MANAGEMENT YIELDING CLIMATE CHANGE, BIODIVERSITY, AND LIVELIHOODS BENEFITS**

- Strategy paper prepared on Integrated Forest/Ecosystem Management.
- Ecosystem management decision support (EMDS) forest planning/modeling tool – Subcontract with Yale School of Forestry and Environmental Studies for development of this model
- Silviculture technique developed for Shimoga by Dr. S.N. Rai
- Silviculture technique to enhance forest management and REDD+ in India being developed by Dr. R.D. Jakati.
- Contract signed with FRI in 2014 for developing silviculture techniques and measuring the individual forest resource productivity of commercially important NTFPs in H.P., M.P. and Sikkim.
- Sustainable harvesting techniques for selected NTFPs developed in Rampur, H.P., Shimoga, Karnataka and Hoshangabad (*Buchanania lanzan*).
- Improved grazing management techniques developed for Shimoga and Rampur. Preliminary assessments carried out in Hoshangabad and Sikkim.



## **DEVELOP IMPROVED METHODS TO ESTABLISH CARBON INVENTORY AND REFERENCE BASELINES FOR INDIA**

- Three Techniques Using Synthetic Aperture Radar (SAR) data for forest carbon inventory in India. Four optical models to estimate forest carbon. Five protocols to help predict, estimate, and document carbon stock changes. Three sampling methodologies to conduct forest carbon inventories. Two community-based protocols for REDD+ activities.
- Four cost effective tools and data management system to gather data at the community level. Improvements in data management and availability for REDD, GHG inventory, and India's NFI.
- Agreement with FSI - Joint development and pilot implementation of advanced optical remote sensing and SAR protocols in Forest-PLUS landscapes, Develop protocol for use of High Resolution Optical Remote Sensing data for forest monitoring, plantation monitoring and trees outside forest, Development of Jurisdictional REDD+ Pilots in India, Joint Development of the Decision Support System at FSI



## **ANALYZE SOCIAL AND ECONOMIC INCENTIVES FOR REDD+ POLICY AND PRACTICE**

- A report prepared providing an overview of national-level institutional and gender-related issues in REDD+.
- Reports providing an “Overview of Forestry Governance and Institutional Framework” prepared for M.P., H.P. and Karnataka.
- A REDD+ Resource Book being prepared.
- Paper prepared highlighting the benefits and opportunities to communities from sustainable forest management prepared.
- A micro-planning application for communities is being developed in collaboration with a US based IT firm.
- Multi-faceted programs to empower local communities to better manage their forests is being implemented by Forest-PLUS Regional Teams.
- Pilot programs being designed, field studies to identify key policy issues carried out in M.P. and Karnataka.
- Institutional mapping (80 villages) being carried out across all landscapes in collaboration with IUCN.
- Preliminary work started on chain of custody of logs.



### **ESTABLISH GOVERNMENT AND STAKEHOLDER DIALOGUE AND COMMUNICATION PROCESSES**

- National Consultations – MRV/DMS, PPP, FRI Silvicultural Conference.
- State Consultations – Several consultations with State Forest Departments in the four pilot states, Stakeholder Consultation on JFM in H.P. (Review of PFM Rules)
- Local/Landscape level – NTFP Consultations in Shimoga and Hoshangabad, consultations with SFDs and communities on several issues.
- Forest-PLUS website launched [www.forestplus.org](http://www.forestplus.org) Forest-PLUS page on Facebook and Twitter
- Forest-PLUS set up a stall in the U.S. - India Technology Summit held in New Delhi from November 18 – 21, 2014.



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## ESTABLISH GOVERNMENT AND STAKEHOLDER DIALOGUE AND COMMUNICATION PROCESSES





<b>Campaign</b>	<b>Date</b>	<b>Outreach</b>
<b>Sign Green, Delhi</b>	Jan 30 – Feb 3, 2014	1,200 persons
<b>Climate Change Awareness through JFMC Conventions, Hoshangabad and Harda</b>	February 21 – 26, 2014	4,046 JFMC and community members
<b>Campaign against Forest Fire, Shimoga</b>	March 5 - 12, 2014	5,011 VFC, EDC and community members
<b>Plant More Trees Campaign, Rampur</b>	July 14 – Dec 14	31,500 school children and forest dependent communities
<b>Campaign to reduce Human-Wildlife Conflict, Hoshangabad</b>	September 2 – 13, 2014	50,000 school children and forest dependent communities
<b>“ I am for Forests Campaign” in Shimoga</b>	Launched on 5 <sup>th</sup> Feb, 2015	



## ENGAGE STAKEHOLDERS CONSTRUCTIVELY IN REDD+ IMPLEMENTATION

PPP	Partner(s)	USD
Community based multifaceted IT tool	6DegreesIT	\$ 680,000
Communication campaign (Tree Superhero)	Vertiver	\$7,784
National consultation on public private partnership in forest conservation in India	BCCI and Vertiver	\$29,700
Implementation of an integrates cross-sectorial approach for forest landscape restoration	IUCN	\$ 103,609
Validation, monitoring and verification of Shimoga REDD+ Project	Karnataka Forest Department (KFD)	\$ 503,575
Biomass estimation using SAR Technology	Space Application Center, Ahmadabad	\$36,539
Spatial data	Karnataka and Madhya Pradesh Forest Departments	\$67,747
Workshop on remote sensing protocols for forest carbon mapping	FSI	\$2,494
Socio-economic data sharing portal for Shimoga REDD+ project	Srichid Technologies and KFD	\$10,000





## CAPACITY BUILDING

- Study tours to US - one focused on forest and carbon Monitoring Reporting and Verification (MRV), the other on Integrated Ecosystem Management
- Training programs on Climate Change – 548 members trained across the four landscapes
- Training program “Co-development of Remote Sensing Protocols for Forest Carbon Mapping” for the remote sensing and GIS technicians from the State Forest Departments of Karnataka, Madhya Pradesh and Himachal Pradesh from December 5 – 11, 2014 at Amity University, NOIDA.
- Training on Ecosystem Management: Forest-PLUS conducted two technical sessions during the 2 weeks long refresher training course organized by Forests, Environment and Wildlife Management Department, Govt of Sikkim from January 16 – 29



## REDD+ PROJECTS

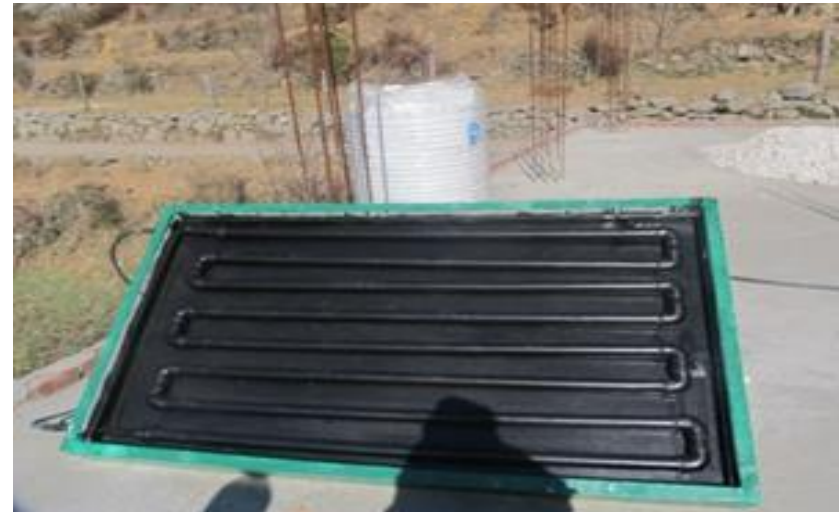
- REDD+ PDD project being prepared for Shimoga
- Preparations for Jurisdictional REDD+ Project started in Sikkim
- Jurisdictional REDD+ project idea discussed with Principal Secretary and APCCF (JFM), MPFD





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**HOSHANGABAD  
PROGRESS  
FOLLOWS.....**



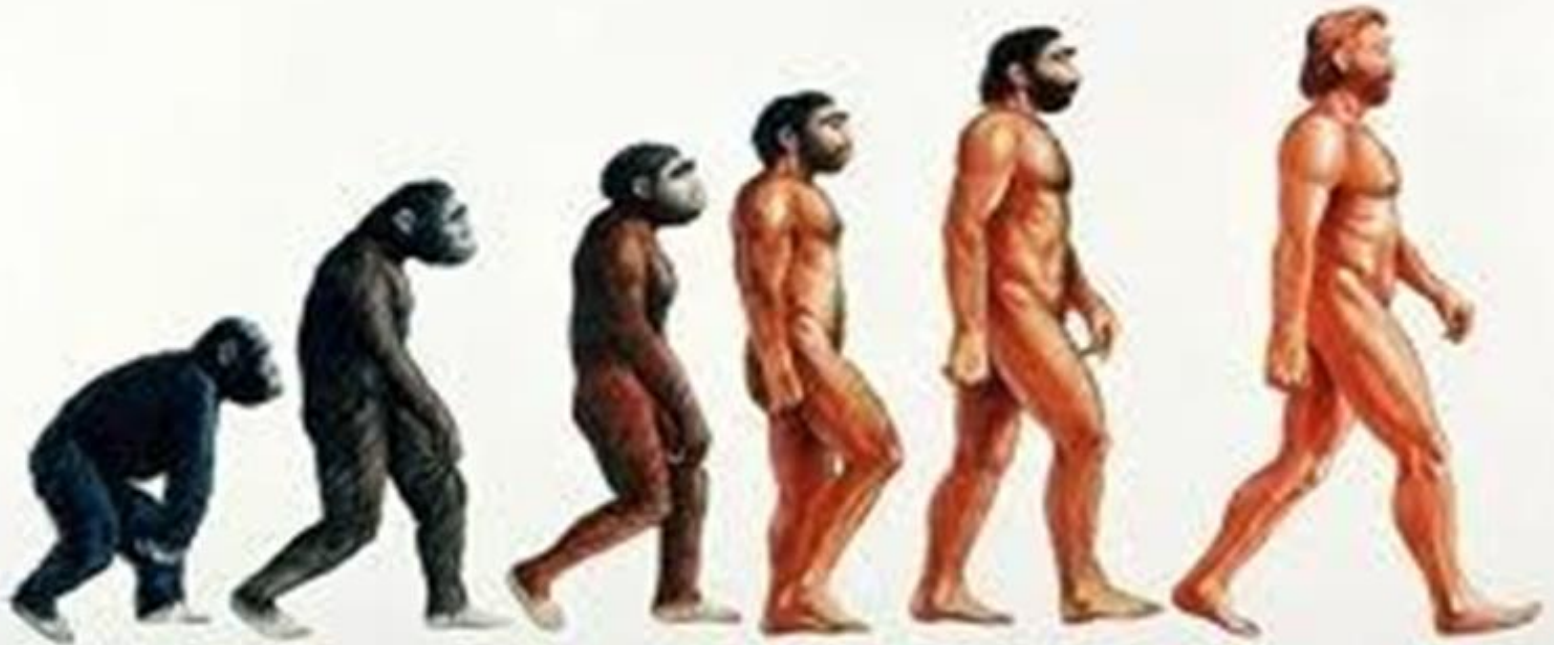
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**Our understanding of forest-climate change linkages is still evolving!**



Source: <http://linnaeus.zoology.gla.ac.uk>