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PARTNERSHIP FOR LAND USE SCIENCE (Forest-PLUS) PROGRAM

Report

**Training program on Climate Change, Greenhouse Gas Inventories,
Vulnerability, Mitigation and Adaptation analysis**

November 26- 27, 2013

Shimoga, Karnataka



January 2014

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech ARD.

Partnership for Land Use Science (Forest-PLUS) Program is being implemented under USAID Contract No. AID-386-C-12-00002

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Training Report

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DISCLAIMER

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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ACRONYMS AND ABBREVIATIONS

DCF	Deputy Conservator of Forests
Forest-PLUS	Partnership for Land Use Science
GCC	Global Climate Change
GHG	Greenhouse Gas
REDD	Reducing Emission from Deforestation and forest Degradation
USAID	United States Agency for International Development
VFC	Village Forest Committee

REPORT

1. INTRODUCTION TO FOREST-PLUS PROGRAM

The **Partnership for Land Use Science (Forest-PLUS) Technical Assistance Program** is a five-year **USAID**-funded program to reduce emissions and enhance carbon sequestration in India's forests by developing and testing effective ways to take REDD+ actions to scale. Working in close collaboration with MoEF and State Forest Departments, Forest-PLUS will assist in developing and deploying scientific tools and methods for improved ecosystem management and carbon sequestration, forest carbon inventory and reference baselines, designing modalities/ programs to create better incentives for forest dependent communities to participate in REDD+ activities, and enhancing individual and institutional REDD+ capacity.

2. BACKGROUND OF THE TRAINING PROGRAM

This was the second training course on 'Climate Change, Greenhouse Gas Inventories, Vulnerability, Mitigation and Adaptation' organized for frontline officials of Shimoga circle of Karnataka Forest Department. This two-day training program was conducted on November 26- 27, 2013 in Shimoga, Karnataka. Forest-PLUS designed this course mainly for Deputy Range Officers, Forester, and Forest Guards, of Karnataka Forest Department.

Presentations were prepared to be relevant in the Karnataka context. This training program is an output of and contributes to Forest-PLUS Activity 2.3.2, which is focused on building capacity on climate change issues; in this case within the State Forestry Departments of Forest-PLUS pilot landscape states.

3. PARTICIPANTS IN THE TRAINING PROGRAM

Details of participants (please see annex 2 for detail of participants) who attended this two days training program are as follows:

Sr No	Particular	Number
1.	Range Forest Officer	2
2.	Deputy Range Forest Officer	18
3.	Forest Guard	19
4.	Forest Watchers	2
5.	Othere	2
6.	Total	43

4. PROCEEDINGS OF THE TRAINING PROGRAM

4.1. Inaugural session

Ms. Smeeta Bijjur, Chief Conservator of Forests, Shimgoa circle chaired inaugural session. In the beginning Mr. Sandeep Khanwalkar, Training Coordinator, Forest-Plus welcomed all the guests and trainees. He gave introduction of the two-days training program and briefly talked about resources perpon's expertise in the field of forest and climate change.

Smt Smita Bijjur IFS, Chief Conservator of Forests, Shimoga lit the lamp to inaugurate the training program and then addressed the gathering. She welcomed the participants and outlined the purpose of the training program. She said that this program was being conducted in Shimoga for the second time. She also touched upon the role played by Forest-PLUS program – especially research and documentation activities and how it will benefit the program. She also requested the participants, especially those from the grassroots level to extend cooperation to Forest-PLUS in carrying out their activities. She insisted that the participants should transfer their learnings from this program to the people in the villages and make sure that conservation activities are carried out in full swing. She also appreciated the fact that all training materials have been provided in the local language.



Figure 1: Ms. Smeeta Bijjur, CCF, Shimoga Circle interacting with participants after inaugural session

Mr. Sandeep Khanwalkar, Training Coordinator, concluded inaugural session by extending vote of thanks to chief guest, chair and participants.

4.2. What is Forest PLUS Program

Mr. Sandeep Khanwalkar talked about Forest-PLUS program. He spoke about program objectives, its expected outcomes, locations and key activities (annex 4 first presentation). This session helped participants to understand about Forest-PLUS program. His presentation was further translated in Kannada by one the resource person.

4.3. Module 1: We and our environment

Session One: Understanding environment and its components

Dr. Sudarshan G. T. took this session. He dwelt upon

1. What is environment?
2. How it is important,
3. Main factors of environment, and
4. Reasons for environmental pollution.



Figure 2: Mr. Sudarshan G. T. delivering his session

His presentation with small videos was appealing and helped participants in understanding about what our environment is and how it is helping us to meet our requirements.

Session Two: Screening of a short film on our environment:

After presentation and discussion one short film on environment in Kannada language was shown to the participants so they could link the previous session and get sensitized on the issues related to our environment.

Session Three: Open discussion

This session helped participants to open up and join the program with more active involvement. They get chance to interact with the resource person and get clarified their questions related to the subject.

4.4. Module 2: Global Climate Change

Session One:

Mr. Jagannathrao. R, FRLHT facilitated the session. He explained about how our environment is changing due to human interventions. He further elaborated how it is affecting our life with change in environment naturally and with human intervention. In his session he also talked about our changing environment, due to natural causes, role of humans, basic concepts and facts about global climate change.

This session was very informative and interactive, he was successful in making the trainees how man is responsible in climate change and for its ill effects



Figure 3; Dr. Jagannathrao interacting with the participant on climate change

Session 2:

Screening of a short film on Global Climate Change in English named ‘our beautiful planet’ and ‘watch this before you vote’ was done for the participants.

Session 3: Open discussion:

This session was livelier as Mr. Rao could motivate the participants to involve more in the discussion.

4.5. Session 4: Group work

This session was designed for in depth discussion on four questions prepared around climate change issues. They were asked to use their learning of the day one and past experiences and elaborate on the question given to their group. A total four questions were given for group work and each group worked on all four questions and made presentation of their group work. The following 4 groups were formed for group discussion:

1. Entire Bhadravathi division
2. Sagar & Shimoga division
3. Koppa & chikamagalur division and
4. Social forestry & wild life.

Their participation was good & many interesting point discussed. Summary of all group presentation is given below.



Figure 4: Participants in group discussion exercise

Summary of group work:

1. What do you think, how climate change is affecting life in your area?

Key points are:

- Rise in temperature
- Health problems and malnourishment increasing
- Depletion of natural water sources
- Ground water table is depleting
- Reduction in number of birds coming to *Mandagadde* bird sanctuary
- Uncertainty in food production
- Uneven rainfall distribution
- Depletion in animal and plant life
- Migration of animals
- Soil erosion
- Land slides
- Man and animal conflicts
- Unemployment and degrading economy in forest dependent community
- Scarcity of fodder and grazing land

2. What are the challenges in livelihoods pattern of forest dependent communities due to change in forest quality / degradation?

Key points are:

- Depletion of medicinal plants
- Depletion of raw materials such as cane, bamboo
- Unemployment and migration due to unavailability of raw materials
- Depletion of availability in NTFP
- Respiratory problems are more due to air pollution
- Loss of traditional knowledge practices in Indigenous communities



Figure 5: Participant presenting group work in plenary

3. Who are the most affected by climate change or forest degradation in your working area and how we can help or assist them?

Key points are:

- Farmers are more affected by low, high, uneven rainfall
- Indigenous people more affected by this problem. They have lost their livelihoods because of this.
- Animal husbandry affected - not getting proper fodder / grazing facilities for animals – so milk production is decreased
- Wild animal attacks have increased
- Migration of indigenous people because of non-availability of their traditional food.

Suggestions

- Grow more forests and bamboo plantations
- Protect the natural forests
- Protect crops with solar fence on the fringes of the forest
- Better use of NTFP (judicious use)
- Create more employment opportunities to affected communities
- Bring awareness to the people (like tribals) about government welfare schemes to reduce dependency on forests
- Create awareness and support to scientific and sustainable harvesting / collection of forest produce and minimize the usage.
- Provide financial assistance to improve their economic condition (to find alternate livelihoods)
- Grow more plants that are useful to indigenous communities
- Create awareness about forest protection

4. What is your suggestion to address climate change issues, reducing forest degradation and deforestation and change in use pattern of forest land?

Key points are:

- Bring awareness to the people on climate change. Use VFCs & EDCs for this purpose
- Conduct more workshops to create awareness
- Protect existing forests
- Use solar and other alternate energy sources to fulfill people's needs
- Reduce people's dependency on forest
- Take steps to reduce soil erosion
- Plan for ground water recharge
- Take precautions to avoid damage due to forest fires
- Develop and protect the natural forests
- Build and maintain good rapport with the community to protect the forest from poaching, smuggling and fires
- Reduce forest dependence by providing alternative energy sources like LPG and biogas, eco-friendly stoves, solar fencing, etc
- Organize programs like Vanamahotsava to create awareness and plant more seedlings in schools, road sides and waste lands
- Construct soak pits and new ponds. Clear the silt from old ponds and build contour bunds, etc
- Strict enforcement of forest related laws and rules
- Conduct awareness programs on these issues for politicians
- Avoid cattle grazing in the forest
- Encourage agro-forestry activities

Day Two: October 26, 2013

4.6. Recap of day one

Day started with recap of first day of training. Participants were given two cards to write their learning on two questions:

- What they learnt on first day about Climate Change?
- What are the topics on which they need more clarity?

This exercise forced them to revisit what they learn on first day and how much they still remember. Answering these two questions also forced them to open their notebooks and resource material and read and share their views. It was good compilation of learning and also direct feedback from the participants. Summary of posting can be seen in the following picture.



Figure 6: Recap of first day

4.7. Module 3: Greenhouse Gases and their role in Global Climate Change

Session 1: Greenhouse effect, Greenhouse Gases and their role in Global Climate Change, Greenhouse Gas inventories

This session was facilitated by Prof. Vasudeva R., Sirsi Forestry College, Sirsi, Karnataka. He explained what greenhouse, what is greenhouse effect, what are greenhouse gases, what is the role of Greenhouse Gas in Global Climate Change. His presentation was informative & effective.



Figure 7: Pro R. Vasudeva talking about Greenhouse Gas and its effects

Session 2:

A short film on Greenhouse Gases in English was shown.

Session 3:

Open discussion on the issues related to GHG emission and how we can reduce it helped participants to understand how GHG emission is affecting their daily life.

4.8. Module 4: Forests and Climate Change

Session 1: Role of forests in Global Climate Change

This session was taken by Manjunath K.S, CEE, Bangalore. He explained with illustrations the role of forest in GCC. The trainees were very much impressed about the role of forest in controlling GCC He elaborated on types of forests and linked it with Himalayan perspective. He covered following issues in his session:

- What is an ecosystem and types
- What do you mean by global climate change
- What causes earth's climate to change
- Impact of climate change
- Forest ecosystem and there services
- Forests in India: Status and Trend
- Cause of forest depletion and its impacts (Services)
- Climate change impact on forest
- Climate change Adaptation /mitigation practices



Figure 8: Mr. Manjunath discussing about role of forest in climate change

Session 2:

Short film on Global Warming in English was shown to participants. This helped them to understand links between forests and Climate Change.

Session 3:

In this session the participants raised questions on the issues linked with their work in their operational area. Resource persons tried to answer their most of the questions in open house discussion.

4.9. Module 5: Addressing Global Climate Change - vulnerability, mitigation and adaptation

Session 1:

Mr. Narasimha Hegde, Life Trust, Sirsi facilitated this session. He dealt with various ways and means of vulnerability, mitigation & adaptation of GCC by man. Examples from his native district (North Kannada) were interesting.

Session 2:

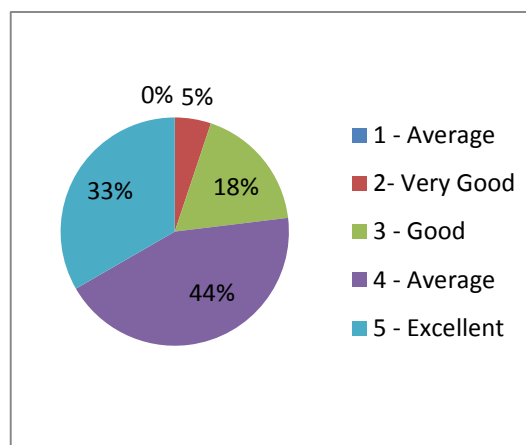
This was last session of this training program. Pro. Vasudeva R explained mitigation and adaptation that can be taken up to face GCC. He explained in detail the action taken at international level, national level & state level. In this session he explained what Karnataka government is planning to do under its' State Action Plan of Climate Change. Which was complete new information to the participants.

Session 3:

Screening of a short film on vulnerability to climate change was shown to the participants. The film was in English language and helped participants to link their field issues with the larger issues of climate change – adaptation and mitigation and how they can work on it.

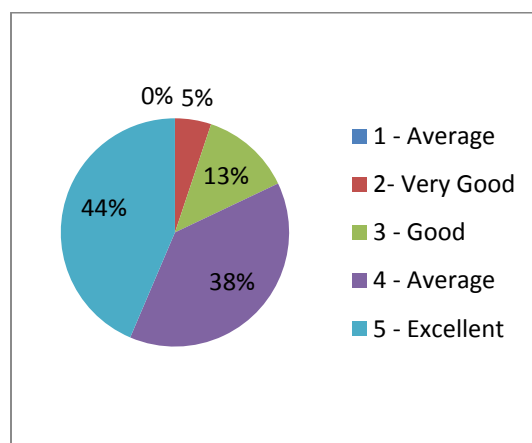
5. FEEDBACK SESSION:

For the frontline officials this was introductory training program as they never got opportunity to discuss about issues related to climate change in their routine works. All session were informative to them and they actively participated in the two days event. They were given a feedback form at the end of training. It was a bi-lingual feedback form so that participants who are not comfortable in English can give their feedback in Kannada language. Even after giving feedback form in Kannada most of the participants not filled it completely. Analysis of participant's feedback is given in the annex 1. The graph 1 give clear feedback from the participants. 44% rated it as average training program and 33% found it excellent training program which helped them in building their understanding about climate change.



Graph 1: Overall Assessment

Graph 2 gives an analysis of logistic arrangements during the training program. Overall all arrangements were good as per majority feedback. There were good suggestions given by the participants to improve the training program.



Graph 2: About Facilities and Arrangements

Staff feedback on usefulness and effectiveness of the program

- Program was good. Learnt about the important role of forests in mitigation of climate change. We should make more people aware about this issue.
- Program made us aware of the natural disaster that may take place. If we conduct program like this in village and school level it will be meaningful for more people.
- Our knowledge improved from this program. I learnt the role of forest in mitigating the climate change. We have to plant more saplings to increase our forests.
- Have to conduct similar programs for EDCs in my beat area and they should be made aware of how to prevent forest fires.
- The suggestions given by the resource persons in this program were good. Such suggestions should also be given to villagers and general public.
- Learnt about GCC, status of Indian forests, Western Ghats and its environment
- Learnt things scientifically
- Learnt GCC & GHG and their effects, and also learnt how to mitigate the ill effects of these.
- Came to know how and why the forests decrease and how important is to protect the forests.
- Understood GCC & GHG from short films effectively. We the people are part of the environment and it is our responsibility and duty to protect it.
- Before this training program, I did not know about GCC. Now I have got full information and I'm interested to participate in mitigation. All resource persons were good. More programs of this type are needed.
- More films on environment in local language are needed
- This program is very good in the present context.
- Learnt about importance of planting of more saplings, forest fires and release of CO₂.
- Learnt about degradation of forests (physically, chemically, biologically) and its effects. Such training should be for people other than dept also. They should also avoid dependency on forests.
- This is useful for us as well as general public.

- Very good program and a motivating factor to do our duty sincerely
- Very good program. The best among the trainings I have undergone. It should be for all staff of the dept.
- Learnt how to face GCC and how important our role is in preventing the problems due to GCC
- Resource persons' selection was good. This program should be held at range level with the community.
- Learnt about future of our environment and the ways & means to avoid environmental disasters
- Excellent program. This should reach to more and more people.
- Study on climate change is good. Present air pollution, protection of MFs - this has to be told to the people.
- Highly useful program. I will share my learnings from this program with school children.
- Program was good. I will incorporate the learnings in my daily work.
- This training helped me to understand the relationship between environment and human beings.

Suggestions from staff

- Need more information about Shimoga forests
- Need information/training on growing quality forests
- Need information about acid rain – why it is caused and its harmful effects
- Take the participants of this training program to field trips for practical learning
- Bring the training to beat level, village level and Panchayath level
- Let videos be more effective
- Make more provision for group discussions
- Should plan to reach out to school children too
- Want more program of this kind to get more knowledge
- Two days are not sufficient. The duration should be more.
- Not only dept people, the training should cover the general public also
- Such programs should be taken up in every village, in cooperation with the all line departments
- Training must for political leaders, because they play a major role in causing harm to the forest
- Do more training programs on reduction of community dependency on forests. Suggest relevant policy changes to the Government.
- Please incorporate the role of food chain in GCC and use of alternative energy sources
- Instead of figures/diagrams, give us more live examples
- More programs should be organized by the Govt for common man. Instead of planting new trees, please plan to protect the existing forests.
- Videos should be in local context and local language
- Such programs should go to village, school, college level to make everyone aware of the present situation of our environment
- Need to do such programs in every nook & corner of the country

Action plan of staff

- Will go back and conduct training for VFC members and community
- Will transfer learnings from the program to our colleagues who are not part of this training
- Will sensitize high schools and college students in our area about forest conservation

- Will ensure planting of more saplings
- Will protect forests from fires and thefts
- Will take steps to reduce encroachments

6. VALEDICTORY SESSION

Ms. Smita Bijjur, CCF Shimoga, interacted with departmental trainees in the valedictory session. She tried to get the feedback from them and also clarified the doubts raised by them. She appreciated the efforts of Forest-PLUS in taking up this training program. She asked them to know the latest changes on the earth we live and also told the GCC & GHG were not covered in their training programs in those days. She also told them to share the knowledge gain by them with the people they daily contact, the students of the in their working areas. Now they can inspire the VFC members better with their fresh knowledge.

She thanked the participants for attending the training and urged them to make full use of the knowledge gained and also transfer it to the local communities. Group photos were distributed to all participants.

Training Coordinator, Forest-PLUS program, expressed his gratitude to CCF and her office staff who extended all their support and cooperation in making training program successful. He also said that without support and cooperation from the office staff it was not possible to make this program successful.



Figure 9: Group photo of participants

ANNEXURE 1: AGENDA

Training program on

‘Global Climate Change Greenhouse Gas Inventories, Vulnerability, Mitigation and Adaptation’ for frontline officials of Karnataka Forest Department

Date: November 26-27, 2013

Program Schedule

Day One- November 26, 2013		
Time	Session	Resource person
9:00 AM to 10:00 AM	Registration of participants	Regional Coordinator, Forest PLUS
10.00 AM to 10.15 AM	Introduction to the training course	Training coordinator
10.15 AM to 10.25 AM	Inaugural address	Mrs. Smita Bijjur, CCF, Shimoga Circle
Module 1. We and our environment		
10.30 AM to 11.30 AM	Session 1: Understanding environment and its components	Dr. Sudarshan. G.T. Secretary, CORDEA, Davangere
11.30 AM to 12.00 Noon	Tea break	
12.00 Noon to 12.45 PM	Session 2: Screening of a short film on our environment	
12.45 PM to 01.00 PM	Session 3: Open house discussion	
1.00 PM to 2.00 PM	Lunch break	
Module 2. Global Climate Change		
2.00 PM to 2.45 PM	Session 1: Our changing environment – natural causes Our changing environment – role of humans Basic concepts and facts about global climate change	Mr. Jagannatha Rao R. Senior Program Officer, FRLHT, Bangalore
2.45 PM to 3.15 PM	Session 2: Screening of a short film on Global Climate Change	
3.15 PM to 3.30 PM	Session 3: Open house discussion	
3.30 PM to 4.00 PM	Tea break	
Module 3. Greenhouse Gases and their role in Global Climate Change		
4.00 PM to 4.45 PM	Session 1: Greenhouse effect, Greenhouse Gases and their role in Global Climate Change Greenhouse Gases inventories	Prof. Vasudeva R. Associate Professor College of Forestry Sirsi
4.45 PM to 5.15 PM	Session 2: Interactive exercise	
5.15 PM to 5.30 PM	Session 3: Open house discussion	
Day Two – November 27, 2013		
9.30 AM to 10.15 AM	Recap - Interactive session on recapitulation of key points from Day 1	Training coordinator
Module 4. Forests and Climate Change		
10.15 AM to 11.00 AM	Session 1: Role of forests in Global Climate Change	Manjunath K.S
11.00 AM to 11.30 AM	Tea break	

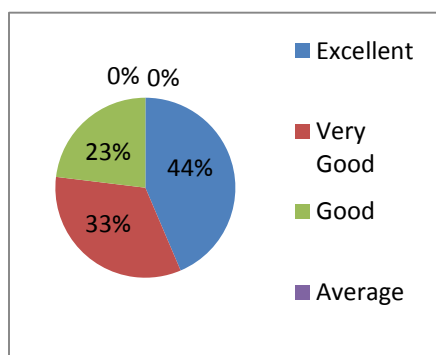
11.30 AM to 12.15 PM	Session 2: Interactive group work	CEE, Bangalore
12.15 PM to 12.45 PM	Session 3: Screening of short film on links between forests and Global Climate Change	
12.45 PM to 1.00 PM	Session 4: Open house discussion	
1.00 PM to 2.00 PM	Lunch break	
Module 5. Addressing Global Climate Change - vulnerability, mitigation and adaptation		
2.00 PM to 2.45 PM	Session 1: Global Climate Change and our life and livelihoods–vulnerability at global, national and local scales	Mr. Narasimha Hegde Life Trust Sirsi
2.45 PM to 3.15 PM	Session 2: Screening of a short film on vulnerability to climate change	
3.15 PM to 3.30 PM	Session 3: Open house discussion	
3.30 PM to 4.00 PM	Tea break	
4.00 PM to 4.45 PM	Session 4: Understanding Mitigation and Adaptation International and national initiatives to address Global Climate Change India's National Action Plan on Climate Change and eight missions Green India Mission	Prof. Vasudeva R. Associate Professor College of Forestry Sirsi
4.45 PM to 5.00 PM	Feedback session	Training coordinator
5.00 PM to 5.30 PM	Valedictory session	

ANNEXURE 2: EVALUATION ANALYSIS

Session: Understanding environment and its components

Participant's inputs

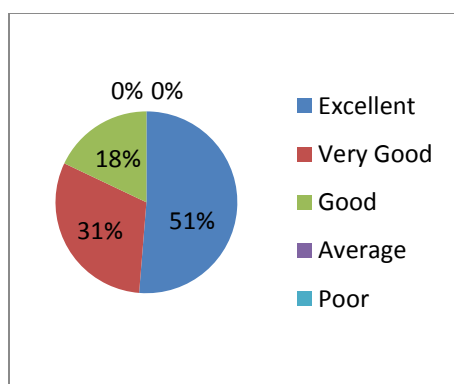
Excellent	17
Very Good	13
Good	9
Average	0
Poor	0



Session: Our changing environment

Participant's inputs

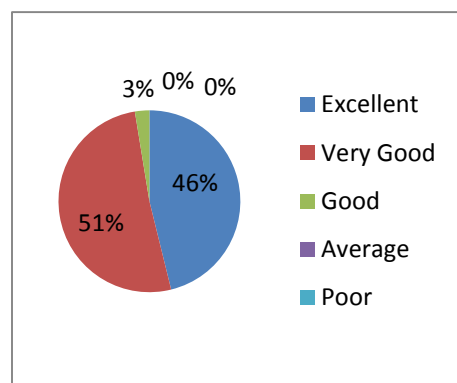
Excellent	20
Very Good	12
Good	7
Average	0
Poor	0



Session: Greenhouse Gases and their role in Global Climate Change

Participant's inputs

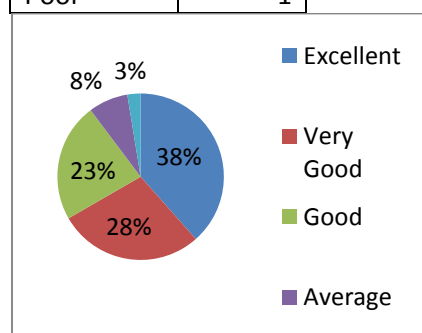
Excellent	18
Very Good	20
Good	1
Average	0
Poor	0



Session: Role of forests in Global Climate Change

Participant's inputs

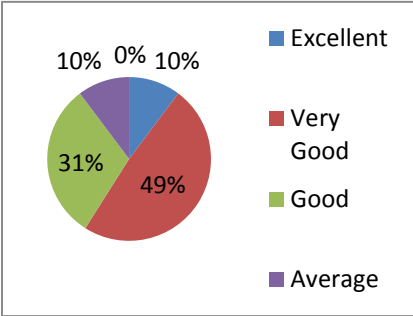
Excellent	15
Very Good	11
Good	9
Average	3
Poor	1



Session: Global climate change and our life and livelihoods

Participant’s inputs

Excellent	4
Very Good	19
Good	12
Average	4
Poor	0



ANNEXURE 3: LIST OF PARTICIPANTS

Sr. No.	Name	Designation	Organization & Address
1.	Mrs. Smita Bijjur,	Chief Conservator of Forests	Shimoga Circle, Karnataka Forest Department, Shimoga
Resource person			
2.	Jagannatha Rao	Senior Program Officer	FRLHT, Bangalore
3.	Dr. Sudarshan GT	Secretary	CORDEA
4.	Manjunath K.S	Programme Officer,	CEE South Bangalore
5.	Mr. Narasimha Hegde		Life Trust Sirsi
6.	Prof. Vasudeva R.	Associate Professor	College of Forestry Sirsi
7.	Sandeep Khanwalkar	Training Coordinator	Forest PLUS Program, New Delhi
8.	Damodar Shettigar	Regional Coordinator	Forest PLUS Program Shimoga
9.	Poshini	Regional Community Outreach	Forest PLUS Program Shimoga
Participants			
Bhadravati Division			
10.	V.Jagadeesh	Deputy Range Forest Officer	FMS
11.	Dharmanaik	Deputy Range Forest Officer	Tarikere
12.	S.B. Surendra	Deputy Range Forest Officer	Channagiri
13.	K. Nagendra Naik	Deputy Range Forest Officer	
14.	Siddappa Malled	Forest Guard	
15.	Halana Gowda H. G.	Forest Guard	Shanthisagra Range
16.	Mallappa Dinnimani	Forest Guard	Range Forest office, Lakkavalli
17.	Praveen Mokashi	Forest Guard	Channagiri
18.	V. Mahabalesh	Forest Guard	
19.	Devappa	Forest Guard	Shantisagar Range
20.	K.Nagaraja	Forest Guard	Shanti Sagar
21.	Nagaraj K	PCP	Shanti Sagar range
Sagar Division			
22.	Maliyappa S Hullatti	Deputy Range Forest Officer	Kargal Range
23.	C.R Nagesh	Deputy Range Forest Officer	
24.	Moulali D Dunosi	Forest Guard	Sagar range
25.	Yuvaraja R	Forest Guard	
26.	Devraja K.B	Forest Guard	Sorabu Range
27.	N.H Viripakshappa	Forest Guard	Sorobu Range
Shimoga Division			

28.	Chandrashekhar N.H	Deputy Range Forest Officer	
29.	Shashidharan N	Deputy Range Forest Officer	Mondagadde Range
30.	Narendra B.G	Deputy Range Forest Officer	Ripponpet Range
31.	Aslam G Makandar	Deputy Range Forest Officer	S.F Sagar
32.	Santosha M	Forest Guard	
33.	Chandrappa N. E.	Forest Watcher	
Wildlife Shimoga			
34.	M. Halappa	Deputy Range Forest Officer	W/L range Shimoga
35.	Adarsh M.P	Deputy Range Forest Officer	
36.	H.Ravi	Deputy Range Forest Officer	
37.	Santosh S	Forest Guard	Shanthisagara Range, Mavinkatie
38.	Ramesh	Forest Guard	hanageri Wild range
Social Forestry Division Shimoga			
39.	Y.H Lokesh	Deputy Range Forest Officer	
40.	Nuthan Kumar	Deputy Range Forest Officer	SF Sagar
41.	A.E Neharu	Deputy Range Forest Officer	
42.	Alfa Ferandis	Forest Guard	GF
Koppa Division, Chikmangalore Circle			
43.	Veerabhadranaik M.	Deputy Range Forest Officer	
44.	Beeresh H	Forest Guard	Koppa range
45.	Mahesh.Karikatti	Forest Guard	Range Forest Office, Kalasa, Koppa Division
Chikmangalore Division			
46.	V.S Raveendra	Range Forest Officer	Kuchen
47.	Parameshwara. L.	Forest Guard	Aldur Range
48.	T Kishor	Forest Watcher	
BRT, Chokmangalore			
49.	Harisha Shankar	Deputy Range Forest Officer	Thanigebyle Wildlife Range, Bhadra Tiger Reserve
50.	Nandeesh L	Forest Guard	Tharigebyle Wildlife Bhadra Tiger Reserve
Others			
51.	Gandadharappa R	Project Associate	CORDIA, Davangere
52.	Siddlingappa	Range Forest Officer	Sandal Koti, Shimoga

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