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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 for VFC, EDC, PRI and SHG
members**

January 7-8, 2014

Shimoga, Karnataka



January, 2014

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Training Report

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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 first training course on 'Climate Change, Greenhouse Gas Inventories, Vulnerability, Mitigation and Adaptation' organized for Village Forest Committee, Eco Development Committee, Panchayat Raj Institutions and Self Help Group member of Shimoga landscape in Karnataka. This two-day training program was conducted on January 7-8, 2014 in Shimoga, Karnataka. Forest-PLUS designed this course mainly for community based organizations.

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	Male	Female
1.	President, VFC/EDC	23	23	0
2.	Members- VFC/EDC	9	7	2
3.	President - SHG	3	0	3
4.	Members - SHG	9	0	9
5.	Secretary SHG	1	0	1
6.	Volunteer	6	5	1
7.	Facilitator	2	2	0
8.	Total	53	37	16

4. PROCEEDINGS OF THE TRAINING PROGRAM

4.1. Inaugural session

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 resource person's expertise in the field of forest and climate change.

Mr. Shettigar, Regional Coordinator, Forest-PLUS briefed about Forest-PLUS in Kannada to the participants.

Ms. Smita Bijjur, Chief Conservator of Forests, Shimoga circle chaired inaugural session. In her inaugural address she said that Shimoga is very unique with all types of forest from Western Ghat lead to the Plain terrain (bayalu seeme) towards east Shimoga. She said, natural balance in environment is lost due to pressure of man on the natural resources particularly on forest.

All of you either read newspapers or see in TV or hear in Radio about Climate Change. So you know something about Climate change and global warming. This training mainly covered these issues only. Be attentive in this training for two days and try to know as much as possible. After getting this training, share what you learnt here with your people in your village.



Figure 1: Inaugural speech by Ms. Smita Bijjur, CCF, Shimoga Circle

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

4.2. Module 1: We and our environment

Session One: Understanding environment and its components

Mr. Jagannath Rao, FRLHT, Bangalore facilitated this session. In his presentation, he explained about:

1. What is environment,
2. To how it is important,
3. Main factors of environment and its components.

He starts his session with meaning of environment, the surrounding of living and non-living creature of the nature. He explained about living components show interactions with other living components and also non-living components. He concentrated on natural environment and human created environment, importance of environment in our life and relationship between human and environment. His presentation includes his long experience of working with the community and using community knowledge. The session was interactive with good participation from the participants and was received well.



Figure 2: Dr. Jagannath Rao taking his session on environment

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

Short films help in understanding subject therefore one short film was showed to participants. This led to open discussion on the subject and ended with question answer session. The film was in Kannad.

4.3. Module 2: Global Climate Change

Mr. Manjunath K. S., CEE, Bangalore facilitate the session. He explained basic concepts and facts about global climate change. He pointed out how man made things are contributing to global climate change and its effect on earth as well as on us. His examples were also very relevant to understand the subject for the community participants. He was able to involve the participant and create their interact in the subject. He showed recent natural disaster pictures like recent Uttarakhand disaster, tsunami and other relevant pictures. This session was very informative and interactive.



Figure 3 Mr. Manjunath taking his session

4.4. 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

Dr. Vasudeva R. took this session. He explained what is greenhouse, what is greenhouse effect, what are greenhouse gases, what is the role of GHG in GCC. His presentation was informative & effective. He used examples of Salumarada Thimmakka, Tulasi, Wangori Mathaai (local names of plants) which helped participants in understanding the issues very well. This was very participatory session of the day.



Figure 4 Pro Vasudev making presentation on Greenhouse Gases

Session 2:

A short film on Greenhouse Gases in English was shown.

Day Two: October 26, 2013

4.5. Recap of day one

Day started informal interaction with the participants. They 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?

Participants' learning

- Importance, advantages and methods of forest conservation
- Roles and responsibilities of VFC to conserve our forest and fight against climate change
- Reasons for the drastic changes being seen in the environment
- We should preserve and protect the foliage around us
- By increasing the forest cover, we can reduce the amount of carbon in the environment
- Adverse effects of not conserving the forests
- How to prevent forest fires
- Importance of saving the forests for our children and our role in the same



Figure 5: Mr. Shettigar reading learning of participants after first day in the recap session on second day

- How to prevent and reduce environmental pollution
- Why we should preserve the local water bodies in our villages
- Importance of social forestry
- Greenhouse gases and how they destroy the environment
- How we are eternally indebted to the environment
- What we as humans should do to conserve the natural resources

4.6. Module 4: Forests and Climate Change

Session 1: Role of forests in Global Climate Change

Ms. Shruti Singh, Project Associate, CEE, Bangalore facilitated the session. She explained with illustrations the role of forest in GCC. As non Kannada speaking person she tried to conduct her session in Kannada which motivated participants to get involved in her session to correct her pronunciation and sometimes usage of wrong Kannada word for translation from English to Kannada.



Figure 6: Participants in training program

Session 2:

Screening of short films is always useful in community training programs therefore we showed films in Kannad in this session and discussed about the film which helped them in understanding about importance of forest in their life.

4.7. Module 5: Global Climate Change and our life and livelihoods–vulnerability at global, national and local scales

Session 1:

Mr. Narsimha Hegde, Life Trust, Sirsi facilitated the session. He dealt with various ways and means of vulnerability, mitigation & adaptation of GCC by man. Examples from his native district (North Kannada) were very informative. His illustrations on swamp forests and also NTFP collections were educative to the participants.



Figure 7: Mr. Hegde facilitating his session

5. FEEDBACK SESSION:

The training program was well received by the participants and this was a first kind of training program for them on this issue. Analysis of participant's feedback is given in the annex 1. At the end participants were asked to give two action point on which they will work after going back to their village.

Action points of participants:

- Will transfer our learnings gained here to the VFC members. Will organize a tree-planting program every year.
- Will share our learnings with the CBOs / SHG members of our village.
- Will encourage people to plant saplings in barren areas and nurture them well.
- Though it is not possible for everybody to become Salumarada Thimmakka or Wangari Maathai, we should at least try to walk in the path shown by them. Will encourage my fellow villagers to do exactly that.
- Will let all my fellow villagers know that forest conservation is the solution to all our problems.
- Will plant saplings around my house and also encourage my neighbors to do so.
- Will organize shramdan every year to plant saplings.
- Will educate people about the advantages of forest conservation and will take steps to prevent forest fires.
- Will tell everybody about the harmful effects of forest degradation on us and also the flora and fauna around us.

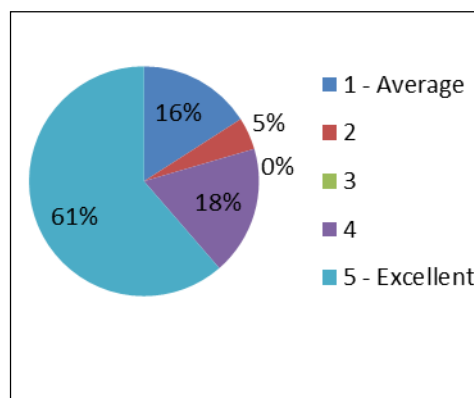
- Will discuss with my fellow villagers, especially students and chalk out a plan for conserving forests around us.
- Will try to reduce carbon by increasing the green cover
- Will educate everyone to reduce vehicle usage and conserve fuel.



Figure 8: Female participant sharing her learning with the participants

Expectations

- People from forest department should attend our meetings regularly and share info and updates.
- Need more information on how to conserve natural resources.
- Training for VFC members should be organized at the village level.
- Training should include field visits
- Need training on water conservation and maximizing the use of water
- Need information on how common people can recognize changes in the climate and plan their activities accordingly.
- We need regular trainings like this on forest conservation.
- People depending on forests for their daily life should be educated about conservation
- Need broader info on the state of forests in our state and country, especially the eco-sensitive western ghats
- Common people should be educated about what small steps they can take at their level to preserve and protect forests and also the environment.



Graph 1: Overall Assessment

6. VALEDICTORY SESSION

Training program ended with thanks to all participants who participated in this training program actively and made this event very successful. Participants were given clipping shown in the training and they asked training coordinator to share more such education films so that they can show in their villages. This is very good indicator which explain outcome of this training program. Participants left training hall only after receiving their copy of films.

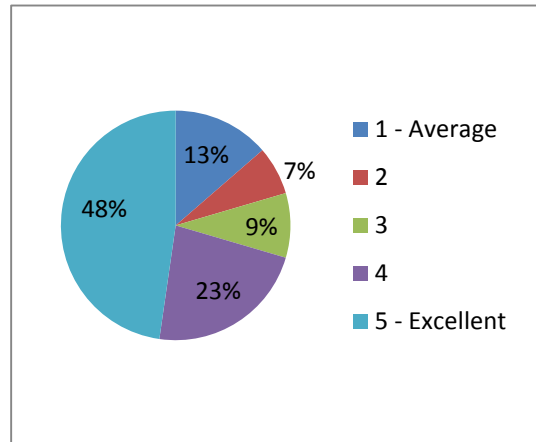


Figure 9- Feedback about facilities and arrangement



Figure 10: Group photo of participants

ANNEXURE 1: AGENDA

Training program on

“Global Climate Change (GCC), GHG inventories, vulnerability, mitigation and adaptation analysis” for Joint Forest Management Committee, Self Help Group members, Panchayati Raj Institutions leaders
Program Schedule

Date : January 7-8, 2014

Time: 11:00 AM – 05:30 PM

Day One- January 7, 2014		
Time	Session	Resource person
11:00 AM to 11:30 AM	Registration of participants	Training Coordinator
11.30 AM to 12.00 Noon	Introduction to the training course	
12.00 to 12.30 PM	Inaugural address	Ms. Smita Bijjur, CCF Shimoga Circle, Shimoga
12.30 to 01.00 PM	Group Photo	
1.00 PM to 2.00 PM	Lunch break	
Module 1. We and our Jenvironment		
02.00 PM to 02.45 PM	Session 1: Understanding environment and its components	Dr. Jagannath Rao Senior Program Officer FRLHT Bangalore
02.45 PM to 03.00 PM	Session 2: Screening of a short film on our environment	
3.00 PM to 03.30 PM	Tea break	
Module 2. Global Climate Change		
03.30 PM to 04.15 PM	Session 1: Our changing environment – natural causes Our changing environment – role of humans Basic concepts and facts about Global Climate Change	Mr. Manjunath K.S CEE, Bangalore
04.15 PM to 04.30 PM	Session 2: Screening of a short film on Global Climate Change	
Module 3. Greenhouse Gases and their role in Global Climate Change		
04.30 PM to 05.15 PM	Session 1: Greenhouse effect, Greenhouse Gases and their role in Global Climate Change Greenhouse Gases Inventories	Pro. Vasudeva R. Sirsi Forestry College, Sirsi
05.15 PM to 05.30 PM	Session 2: Screening of short film	
Day Two November 29, 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	Ms. Shruti Singh Project Associate CEE, Bangalore
11.00 AM to 11.15 AM	Session 3: Screening of short film on links between forests and Global Climate Change	
11.15 AM to 11.30 AM	Tea break	

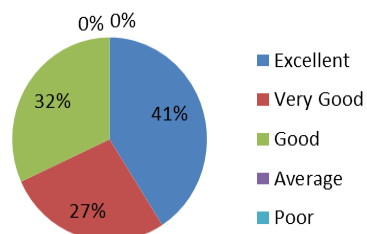
Module 5. Addressing Global Climate Change - vulnerability, mitigation and adaptation		
11.30 AM to 12.15 PM	Session 1: Global Climate Change and our life and livelihoods–vulnerability at global, national and local scales	Mr. Narsimha Hegde, Life Trust, Sirsi
12.15 PM to 12.30 PM	Session 2: Screening of a short film on vulnerability to climate change	
12.30 PM to 01.00 PM	Feedback session	
01.00 PM to 01.30 PM	Valedictory session	Ms. Smita Bijjur, CCF, Shimoga
1.30 PM to 2.30 PM	Lunch break	

ANNEXURE 2: EVALUATION ANALYSIS

Module 1: We and our environment - Understanding environment and its components

Participant's response

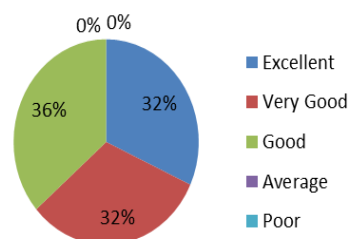
Excellent	18
Very Good	12
Good	14
Average	0
Poor	0



Module 2: Global Climate Change - Our changing environment

Participant's response

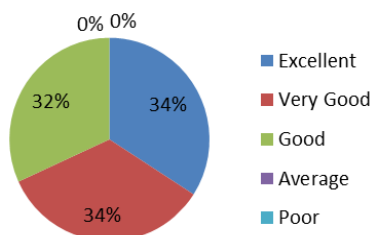
Excellent	14
Very Good	14
Good	16
Average	0
Poor	0



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

Participant's response

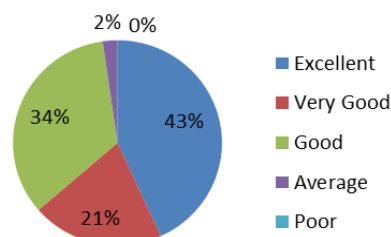
Excellent	15
Very Good	15
Good	14
Average	0
Poor	0



Module 4: Forests and Climate Change - Role of forests in Global Climate Change

Participant's response

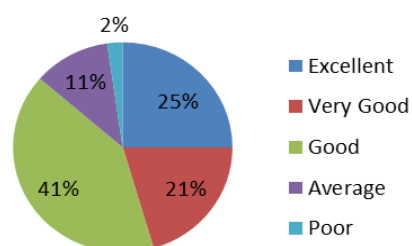
Excellent	19
Very Good	9
Good	15
Average	1
Poor	0



Module 5: Addressing Global Climate Change –

Participant's response

Excellent	11
Very Good	9
Good	18
Average	5
Poor	1



Session	Excellent	Very Good	Good	Average	Poor
Module 1. We and our environment					
Session 1: Understanding environment and its components	18	12	14	0	0
Session 2: Screening of a short film on our environment	17	14	13	0	0
Module 2. Global Climate Change					
Session 1: <ul style="list-style-type: none"> ▪ Our changing environment – natural causes ▪ Our changing environment – role of humans ▪ Basic concepts and facts about Global Climate Change 	14	14	16	0	0
Session 2: Screening of a short film on Global Climate Change	18	11	15	0	0
Module 3. Greenhouse Gases and their role in Global Climate Change					
Session 1: <ul style="list-style-type: none"> ▪ Greenhouse effect, Greenhouse Gases and their role in Global Climate Change ▪ Greenhouse Gases Inventories 	15	15	14	0	0
Module 4. Forests and Climate Change					
Session 1: Role of forests in Global Climate Change	19	9	15	1	0
Session 3: Screening of short film on links between forests and Global Climate Change	13	14	16	1	0
Module 5. Addressing Global Climate Change - vulnerability, mitigation and adaptation					
Session 1: Global climate change and our life and livelihoods- vulnerability at global, national and local scale	11	9	18	5	1
Session 2: Screening of a short film on vulnerability to climate change	22	9	13	0	0

ANNEXURE 3: LIST OF PARTICIPANTS

S N	Name & Designation	Designation	Organization & Address
Guest and senior officials			
1.	Ms. Smita Bijjur	Chief Conservator of Forest	Shimoga Circle, Karnataka Forest Department. Shimoga
Resource person			
2.	Pro. Vasudeva R.	Associate Professor	College of Forestry, Sirsi
3.	Manjunath	Program Officer	CEE, South Bangalore
4.	Narasimha Hegde	LIFE Trust	Sirsi, Uttara Kannada
5.			
6.	Sandeep Khanwalkar	Training Coordinator	Forest-PLUS Program, New Delhi
7.	Damodar Shettigar	Regional Coordinator	Forest-PLUS Program, Shimoga
8.	Poshini B. T.	Regional Community & Outreach Coordinator	Forest-PLUS Program, Shimoga
Participants			
9.	H. Swami	President	Karakko Hosalli VFC
10.	Eswarappa B.	President	Vanshree, EDC Sampige Halli
11.	P. Manjanaik	President	EDC Thimmaparathandya
12.	Devendragowda	President,	VFC Andagaevur Nagara Range
13.	Durgappa	President	Swiunige VFC, Anavatti Range
14.	Sudhir K.K	President,	Eshwara EDC
15.	Varodarai K	President	Siddeshwara EDC
16.	R.P Onkarappa	President	VFC Rangpura –Ajjampur
17.	Chandrappa	President	Siddeswara VFC
18.	M. Eshwarappa	President	Muthithise VFC, Shiralappa Range
19.	R. Chandrashekhar	President	Mariyamma VFC, Hallakkavalli Ugambe Range
20.	Puttaswamy M. T.	President	Maleshankar EDC
21.	Krishna Murthy	President	Raninakappa EDC
22.	Ramesh	President	Dobyle EDC
23.	Shivappa	President	Gubbiga EDC
24.	Chandrappa	President,	Guddikoppa VFC Soraba
25.	Manjunath	President	Siddeshwara Nagar VFC
26.	Narayanappa CM	President	Halesara, EDC
27.	Nagaraju	President	Siddeshwara, VFC
28.	S. Basavarajappa	President,	Siddapura
29.	G.S. Jayama	President,	Gondhiosahalhi VFC
30.	Ganapathi K.P	President,	Manjarikoppa, VFC
31.	Ramchandra E	VFC President	
32.	Ms. Sharadhmma	Member	VFC Andagandur Nagar
33.	Huchhappa	VFC Member	

34.	Ms. S. Savitha	VFC	Rangpura –Ajjampur
35.	Shivanika	Member	EDC Thimmaparathandya
36.	Dhananjay	Member	Raminkappa EDC
37.	Panchakhari	Member	Hallavalli VFC
38.	Dharmappa	Member	Hal Lakkavalli VFC
39.	Ms. Manjulamma	Member,	Hal Lakkavalli, VFC
40.	Chandrappa	Member	Guddikoppe VFC
41.	Ms. Rathnama	President SHG	Shri Kariyamma SHG
42.	Ms. Soumaya	SHG President,	Karjikoppa, Sarab
43.	Ms. Neelamma	SHG President,	Surunige, Anavatti
44.	Ms. Bharathibai	SHG Member	EDC Thimmaparathandya
45.	Ms. Chandribai	SHG Member	EDC Thimmaparathandya
46.	Ms. Yashodha	SHG Member,	Andagadur, Nagara
47.	Ms. Sheela	SHG Member,	Karjikoppa-Soraba
48.	Ms. Chithratatha	SHG Member	VFC Karjikoppa
49.	Ms. Yallamma	SHG Member,	Indira Gandhi
50.	Ms. Ganga	SHG member	Siddeshwara Nagara, Jyothi Swasthaya Saga
51.	Ms. Annapurna	SHG member	Siddeshwara Nagara, Jyothi Swasthaya Saga
52.	Ms. Shashikala	SHG	Rangpura
53.	Ms. Jasmine D'Souza	SHG Secretary	Kanugada Nagar
54.	S.D. Lakshman	Volunteer	Karakko Hosalli VFC
55.	Arun B	Volunteer,	Mulugudda VFC, Hosanagra
56.	Chandrappa	Volunteer	Shinaloppa Range
57.	Ms. Sudha	Volunteer	Siddeshwara, VFC
58.	Nagappa K.	Volunteer,	Gubbige- EDC
59.	Suma E	Volunteer	Siddeshwara, VFC
60.	K.T Nagaratan	Facilitator,	Bhadravati Division
61.	Karthik	Facilitator,	Siddapura Ajjampure FVC

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