



**Date**

9 – 11<sup>th</sup> September 2019

**Location**

The Ambassador Hotel, Sujan Singh Park, Subramaniam Bharti Marg, New Delhi, Delhi 110003, India

**Hosts:** Colorado State University (CSU), Environmental Defense Fund (EDF), UN Environment, Global Environment Facility (GEF)

**Who is it for?** The training is open to managers and policymakers working on land management projects who are interested in estimating the climate change mitigation impacts of their decisions. Places are limited to 25 people, priority will be given to those working on GEF projects but applications are open to everyone.

This event will train attendees in estimating and reporting the carbon and greenhouse gas impacts of land management activities using the Carbon Benefits Project (CBP) tools. After the workshop, users will be in a position to use the CBP online tools report C benefits in land management projects.

Participants will also receive a half day overview of the World Overview of Conservation Approaches and Technologies (WOCAT) tools (a global data base of sustainable land management technologies) which are now linked to the CBP.

**Background**

The **GEF's** Carbon Benefits Project (CBP) has developed online tools for land management projects to estimate their impact on carbon (C) stocks and greenhouse gas (GHG) emissions and therefore climate change mitigation. Land use types covered include, forestlands, grasslands, croplands (annual, perennial and agro-forestry), wetlands, trees in settlements and emissions from livestock.

Most land management options are covered, for example afforestation/deforestation/changes in forest and grassland land management including changes in livestock type and number, changes in crop management (cropping systems, tillage, mulching, fertiliser use etc.). The online system has a range of tools to suit all kinds of users from those with no experience of C and GHG reporting to those running large climate change mitigation projects.

Tools can also be used at the proposal stage to explore the potential effects of land management changes on C and GHGs and throughout the project to track and report to funding agencies, markets or other interested parties.

In addition the CBP tools are linked to the World Overview of Conservation Approaches and



Technologies (WOCAT) database with the aim of providing information on potential GHG friendly land management practices.

### **Content of the training event**

Over the three days, participants will be trained to use the following CBP online tools:

1. The Simple Assessment—suitable for a quick assessment at any stage, including proposals.
2. The Detailed Assessment—suitable for detailed reporting in projects with a reasonable focus on climate change mitigation.

These tools can be used to estimate the GHG impacts of projects from the local to the landscape scale and larger. Users will go through a training exercise using an example data set with the chance to use the system with their own project data in the second part of the training.

3. The Costs Benefit Analysis and DPSIR socio-economic tools.
4. An overview of the WOCAT database and how it is linked to the CBP.

**For all enquires** please contact Dr Eleanor Milne ([eleanor.milne@colostate.edu](mailto:eleanor.milne@colostate.edu)).

**A provisional agenda is given below:**



# Agenda

Monday 9<sup>th</sup> Sept 2019

Time	Session	Lead and participants
9.00 – 9.15	Welcome remarks and introductions	EDF and CBP representatives
9:15 - 9.45	1. Introduction to carbon cycling and climate change	Prof K. Paustian
9.45 - 10:15	2. Overview of the Carbon Benefits Project (CBP) Tools and data requirements	Dr E. Milne
10.15 – 10.45	Coffee Break	
10.45 – 11.00	3. Setting up a CBP account and CBP projects	Group Practical
11.00 – 12:00	4. Describing your project spatially in the CBP system	Prof K. Paustian
12:00 – 12:30	5. The CBP Simple Assessment (SA)	Dr E. Milne
12.30 – 13.30	LUNCH	
13.30 – 14.45	6. Overview of WOCAT (The World Overview of Conservation Agriculture Technologies) and <b>its new link to the CBP tools!</b>	Dr Tatenda Lemann
14.45 – 15.00	Coffee Break	
15.00 – 16.30	7. WOCAT continued	Dr Tatenda Lemann
16.30 – 17.00	8. Q and A session	Dr Tatenda Lemann
	CLOSE FOR THE DAY	



**Tuesday 10<sup>th</sup> Sept**

<b>Time</b>	<b>Session</b>	<b>Lead and participants</b>
9.00 – 10.15	9. <u>Exercise One</u> Estimating the GHG impact of an agro-forestry project using the SA	Dr E Milne & Group Practical
10.15 – 10.30	Coffee Break	
10.30 – 12.00	10. <u>Exercise Two</u> Estimating the GHG impact of an avoided deforestation/reforestation project using the SA	Prof Keith Paustian & Group Practical
12.00 – 12.30	11. Making estimates in projects with multiple land uses, areas and activities	Dr E Milne
12.30 – 13.30	LUNCH	
13.30 – 14.00	12. The CBP Detailed Assessment (DA) - using more accurate data to reduce uncertainty	Dr E Milne
14.00 – 16.00 (Coffee break while working)	13. <u>Exercise Three</u> Estimating GHG emissions from a mixed landscape scale project using the DA	Group practical
16.00 – 16.30	14. Q & A session	Prof K. Paustian
16.30 – 17.00	15. Accounting for leakage using the CBP	Prof K. Paustian
	CLOSE FOR THE DAY	

**Wednesday 11<sup>th</sup> Sept**

<b>Time</b>	<b>Session</b>	<b>Lead and participants</b>
9.00 – 9.30	16. Socio Economic Analysis of GHG Mitigation Projects using Cost-Benefit Analysis (presentation)	Dr E. Milne
9.30 – 10.30	17. Socio-Economic Analysis of GHG Mitigation Projects using the DPSIR Framework (presentation)	Dr E. Milne
10.30 – 10.50	Coffee Break	
10.50 – 12.30	18. Small-group breakout sessions with help from trainers: Using the CBP tools Simple or Detailed Assessment with own data or example project data or Developing a DPSIR for a project (Coffee during the session)	CBP Trainers
12.30- 13.30	Lunch	
13.30 - 15.00	Breakout sessions ctd.	Dr E. Milne
15.00 – 16.00	19. Small Group Breakout sessions – present findings back to the larger group	Attendees
16.00	CLOSE	

For more information and a preview of the tools visit

<http://www.carbonbenefitsproject.org/>

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