

UN-REDD
PROGRAMME



Technical working session on spatial planning for REDD+ and consultations on multiple benefits of forests

Draft programme

UN-REDD PROGRAMME

26 October – 5 November 2015

Introduction

The technical working session outlined below is part of a joint activity under the UN-REDD Programme, being implemented by the Mongolia Ministry of Environment, Green Development and Tourism (MEGDT), the Institute for Research and Information on Meteorology, Hydrology and Environment, and the United Nations Environment Programme World Conservation Monitoring Centre (UNEP-WCMC). This activity aims to develop capacity in decision support tools for REDD+ planning, supporting Mongolia to enhance potential benefits from REDD+ and to reduce potential risks, through map-based analysis.

The working session will introduce QGIS, a free, open-source software package, as well as approaches for using QGIS to create maps relevant to REDD+ planning, with a focus on exploring the multiple benefits from forests. The session will be followed by consultation workshops in two focal aimags, Tov and Khovsgol, in order to set priorities for subsequent analysis at the provincial level.

Objectives

1. Build capacity of IRIMHE and staff from other key national organisation in the use of spatial information to support REDD+ planning, with a focus on the multiple benefits of forests, and introduce QGIS, free spatial analysis software.
2. Understand and set priorities for future analysis on the multiple benefits for forests at the aimag level (Tov and Khovsgol).

Date and Location

- Joint technical working session, IRIMHE, Ulaanbaatar, 26-30 October 2015
- Consultation on multiple benefits of forests, Tov Aimag, 3 November 2015
- Consultation on multiple benefits of forests, Khovsgol Aimag, 5 November 2015

Agenda

Part 1: Technical working session on spatial analysis to support REDD+ planning and introduction to QGIS

Time	Activity	Presenter/who
DAY 1 – 26 October		
09:00 – 09:20	Welcoming remarks	Dr Banzragch (MEGDT) / Dr Khudulmur (IRIMHE)
09:20 – 09:40	Introductions & ice-breaker	Charlotte (UNEP-WCMC)
09:40 – 10:00	Overview of objectives and agenda	Xavier (UNEP-WCMC)
10:00 – 10:30	Presentation: Introduction to REDD+ in Mongolia	Enkhtsetseg Bato-chir
10:30 – 11:00	<i>Coffee/tea break</i>	
11:00 – 11:30	Presentation: Role of spatial information in supporting REDD+ planning	Charlotte (UNEP-WCMC)

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Joint working session and consultations - Mongolia

11:30 – 12:30	Group exercise: REDD+ benefits & risks, and prioritising areas for REDD+ actions	Charlotte & Xavier (UNEP-WCMC)
12:30 – 13:30	<i>Lunch</i>	
13:30 – 14:30	Group exercise, cont, and report back	
14:30 – 15:00	Presentation: Introduction to QGIS	Xavier (UNEP-WCMC)
15:00 – 15:30	Distribution of USB sticks	
15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 17:30	Checking installation Overview/discussion of tutorials & topics to be covered in the next week <i>(Can start tutorial if time allows)</i>	Xavier & Charlotte (UNEP-WCMC)
DAY 2 – 27 October		
09:00 – 10:30	<ul style="list-style-type: none"> Tutorial: Introduction to QGIS <p><i>This tutorial will introduce QGIS and will show how open-source software can be used to undertake spatial analysis of datasets of relevance to planning, multiple benefits and environmental safeguards for REDD+.</i></p> <p><i>It includes a series of exercises/steps to practice using key QGIS functions.</i></p>	Xavier & Charlotte (UNEP-WCMC)
10:30 – 11:00	<i>Coffee/tea break</i>	
11:00 – 12:30	Continue work on introductory tutorial	
12:30 – 13:30	<i>Lunch</i>	
13:30 – 15:30	Continue work on introductory tutorial	
15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 17:30	<p><i>IF time:</i></p> <p>What are the important areas for biodiversity?</p> <ul style="list-style-type: none"> Discussion: what spatial data on biodiversity in Mongolia is available? 	Charlotte (UNEP-WCMC)
Day 3 – 28 October		
09:00 – 10:30	<p>Biodiversity, cont.</p> <ul style="list-style-type: none"> Species richness tutorial: <p><i>This tutorial will show how IUCN Red List data and related datasets can be extracted and processed to represent the potential species richness of forest and other habitats in QGIS.</i></p>	Xavier & Charlotte (UNEP-WCMC)

10:30 – 11:00	<i>Coffee/tea break</i>	
11:00 – 12:30	Continue mapping species richness	
12:30 – 13:30	<i>Lunch</i>	
13:30 – 15:30	Continue mapping species richness	
15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 17:30	Species richness mapping cont.	
	<i>IF finished: what other biodiversity data can we map? E.g. protected areas, KBAs, animal zones.</i>	
DAY 4 – 29 October		
09:00 – 10:30	<p>Where is carbon located?</p> <ul style="list-style-type: none"> • Discussion of approach and methods (e.g. density values, global datasets) • Carbon mapping tutorial <p><i>This tutorial will show how spatial analysis can be used to represent the relative distribution of carbon stocks among forest types and different land categories (i.e. protected areas, mining concessions, etc.)</i></p>	Xavier & Charlotte (UNEP-WCMC)
10:30 – 11:00	<i>Coffee/tea break</i>	
11:00 – 12:30	Continue mapping carbon stocks.	Xavier & Charlotte (UNEP-WCMC)
12:30 – 13:30	<i>Lunch</i>	
13:30 – 15:30	Continue mapping carbon stocks	
15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 16:30	Presentation: Where are forests and their benefits are under pressure? Interim results of the drivers study.	
16:30 – 17:30	<p>Discussion: what does the available data tell us about land cover change and drivers of change?</p> <p><i>IF time: consider methodology for land cover change analysis (depending on data).</i></p>	
18:00 ----	<i>Group dinner (TBC): either Thursday or Friday night?</i>	
DAY 5 – 30 October		
09:00 – 10:30	<p>Where are areas important for ecosystem services from forests?</p> <ul style="list-style-type: none"> • Discussion: what are key ecosystem services provided by forests that are of interest in Mongolia? 	Xavier & Charlotte (UNEP-WCMC)

	<ul style="list-style-type: none"> Tutorial: Where are the most important forests for soil erosion control? <p><i>This tutorial will show how information about erosion-prone areas can be used to identify forest areas of particular importance to prevent soil erosion</i></p>	
10:30 – 11:00	<i>Coffee/tea break</i>	
11:00 – 12:30	Soil erosion control, cont.	
	<i>(May involve groupwork to finalise some individual layers prior to overlaying)</i>	
12:30 – 13:30	<i>Lunch</i>	
13:30 – 15:30	<ul style="list-style-type: none"> Showing areas with potential multiple benefits: overlays <p><i>This tutorial will show how the previously created individual maps can be combined to highlight areas where actions to reduce deforestation and degradation can potentially enhance more benefits.</i></p>	Xavier (UNEP-WCMC)
15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 17:00	<ul style="list-style-type: none"> Overlays, cont. Wrap-up session: <ul style="list-style-type: none"> - Discussion of next steps - Evaluation forms - Closing remarks 	

Part 2: Consultations on multiple benefits of forest in Tov and Khovsgol

Draft agenda – Tov, 3 November

Time	Item	Presenter
09:00 – 09:15	Welcoming remarks	?
09:15 – 09:30	Introductions	
09:30 – 10:00	Overview of workshop purpose and UN-REDD Programme in Mongolia	Charlotte Hicks (UNEP-WCMC)
10:00 – 10:30	Forest resources in the Aimag: status and trends	Tov Forest Dept. (?)
<i>10:30 – 11:00</i>	<i>Coffee/tea break</i>	
11:00 – 11:30	Presentation: What are the multiple functions or benefits of forests?	Xavier de Lamo (UNEP-WCMC)
11:30 – 12:30	Exercise: key benefits of forests in Tov Aimag	Facilitators: Charlotte Hicks &

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Joint working session and consultations - Mongolia

	- Participants brainstorm key benefits and then group/categorise them	Zagdaa Narangerel (IRIMHE)
12:30 – 13:30	<i>Lunch</i>	
1:30 – 14:30	Exercise: prioritising benefits for further analysis - Participants vote using stickers for which forest benefits should be prioritised and then discuss results	Facilitators: Charlotte Hicks & Zagdaa Narangerel
14:30 – 15:30	Participatory mapping exercise: which areas are important for which benefits? - In 4-5 groups, participants mark on basic map of Tov the areas they think are important for the provision of the priority ecosystem services.	Facilitators: Xavier de Lamo & Zagdaa Narangerel
15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 16:30	Each group reports back on their mapping results	Group representatives
16:30 – 16:45	Overview of next steps	Charlotte Hicks (UNEP-WCMC)
16:45 – 17:00	Closing remarks	?

Draft agenda – Khovsgol, 5 November

Time	Item	Presenter
09:00 – 09:15	Welcoming remarks	?
09:15 – 09:30	Introductions	
09:30 – 10:00	Overview of workshop purpose and UN-REDD Programme in Mongolia	Charlotte Hicks (UNEP-WCMC)
10:00 – 10:30	Forest resources in the Aimag: status and trends	Khovsgol Forest Dept. (?)
10:30 – 11:00	<i>Coffee/tea break</i>	
11:00 – 11:30	Presentation: What are the multiple functions or benefits of forests?	Xavier de Lamo (UNEP-WCMC)
11:30 – 12:30	Exercise: key benefits of forests in Khovsgol Aimag - Participants brainstorm key benefits and then group/categorise them	Facilitators: Charlotte Hicks & Zagdaa Narangerel (IRIMHE)
12:30 – 13:30	<i>Lunch</i>	
1:30 – 14:30	Exercise: prioritising benefits for further analysis - Participants vote using stickers for which forest benefits should be prioritised and then discuss results	Facilitators: Charlotte Hicks & Zagdaa Narangerel
14:30 – 15:30	Participatory mapping exercise: which areas are important for which benefits? - In 4-5 groups, participants mark on basic map of Khovsgol the areas they think are important for the provision of the priority ecosystem services.	Facilitators: Xavier de Lamo & Zagdaa Narangerel

15:30 – 16:00	<i>Coffee/tea break</i>	
16:00 – 16:30	Each group reports back on their mapping results	Group representatives
16:30 – 16:45	Overview of next steps	Charlotte Hicks (UNEP-WCMC)
16:45 – 17:00	Closing remarks	?

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