

UN-REDD PROGRAMME



I. SUMMARY OF REQUEST

Main objective

At a Forest Reference (Emission) Level (REL/RL) meeting with relevant stakeholders that took place in Chisamba, Zambia in July 2014, Zambia's preliminary land cover change results have been discussed. The outcomes of the meeting relevant to this demand for targeted support were:

- 1) Zambia's land cover change assessment was identified as the most important source of activity data for the creation of a REL/RL to enable possible future results-based payments to incentivize Zambia's efforts in implementing its REDD+ strategy;
- 2) The current quality of the change assessment (or the quality of the automated classification of the 2000 land cover map) was found to be too uncertain to form the basis of a (preliminary) development of a forest reference (emission) level and the improvement of the quality of the change assessment was identified as a high priority for the country.

Therefore, the main objective of this targeted support is to improve the quality of the land cover change assessment in close collaboration with the Zambian remote sensing experts to support the development of a historical GHG emissions trend for REL/RL construction.

Main results expected

The targeted support will build upon the detailed classification of the 2010 land cover map as performed by the Zambian remote sensing experts in collaboration with the RCMRD in Nairobi. This work involved an extensive collection of ground data points to feed into the classification of the 2010 land cover maps using the IPCC classes, subdivided by a nationally relevant sub-classification. Based on the 2010 classification, an automated change detection between the Landsat mosaics for 2000 and 2010 will be performed to create a 2000 classification based on the corrected changes from the 2010 classification. A classification based on change detection directly from the imagery is described as good practice in GFOI (2014) and is expected to significantly reduce commission and omission errors. The expected result is:

- 1) To produce 2000 and 2010 land cover maps with sufficiently high accuracy to form the basis of the historical reference

	data feeding into the REL/RL; 2) To Build capacity of Zambian Remote Sensing technicians to perform this classification for future assessments. 3) To complete a quality control/quality assessment for the Eastern Province using visual interpreted point reference data from CollectEarth as described by Olofssen et al (2014). 4) To have the refined land cover maps used in REL/RL development, and uploaded onto the National Forest Monitoring System (NFMS) web portal.
Total amount requested (US\$)	40,000
Related Work Area ² as defined in the UN-REDD Programme Strategy 2011-2015	Measuring Reporting Verification (MRV)
Planned period of implementation	August-September 2014
Please select below type of funding as appropriate	
<input checked="" type="checkbox"/> Request for funding for REDD + activities implemented in support of existing UN-REDD National Programmes. <input type="checkbox"/> Request for funding for REDD+ activities complementary to other nationally-defined REDD+ activities (national strategies, RPP and/or bilaterally funded REDD+ activities) or for initiation of REDD+ activities. (The country has no UN-REDD National Programme.	

REQUEST FOR TARGETED SUPPORT¹

¹ It is voluntary to use this form in the application process for UN-REDD Programme targeted support. If the country prefers using its own document, this form can be used as guidance on the content that is needed. See also guidance in the Procedures for Accessing UN-REDD Programme Targeted Support.

The requests for targeted support should be presented in coordination with the teams of the participating UN organizations (FAO, UNDP and UNEP) and the Resident Coordinator.

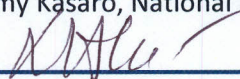
It is recommended that the UN-REDD Country Focal Point submits the request. The request should be sent to the UN-REDD Programme Secretariat (E-mail: un-redd@un-redd.org).

² The work areas are: Monitoring Reporting Verification (MRV), Governance, Stakeholder Engagement, Multiple Benefits, Transparency & Accountability, Green Economy.



**IV. UN-REDD COUNTY FOCAL POINT
(name and title):³**

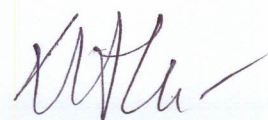
Mr. Deuteronomy Kasaro, National REDD+ Coordinator



(Signature)

Name and title	Mr Deuteronomy Kasaro, National REDD+ Coordinator and UN-REDD Focal Point for Zambia
Institution and address	Forestry Department, Ministry of Lands, Natural Resources and Environmental Protection. P.O. Box 50042, Lusaka, Zambia
Phone number	+260 211 221087 +260 977654130
E-mail	deutkas@yahoo.co.uk

³ It is recommended that the UN-REDD Country Focal Point submits the request.



II. BACKGROUND²

Zambia is at a critical point in developing its REDD+ Strategy with several parallel work streams feeding strategy development. One critical work stream is the development of a REL/RL, and several workshops and capacity building events have been conducted on this theme. One bottleneck to the development of a preliminary REL/RL is historical activity data (spatial land cover, land cover change data). Zambia's UN-REDD programme has been collaborating with the Regional Centre for Mapping of Resources for Development (RCMDR) to generate land cover maps for the time period of 2000 and 2010. Preliminary maps have been created, however, technical review of the maps have revealed some errors and inconsistencies in the 2000 map. This Targeted Support will collaboratively (with Zambian remote sensing technicians) improve the 2000 map so it can be used in REL/RL construction. This will relieve an important technical bottleneck to REL/RL construction and development of the REDD+ Strategy.

III. SUMMARIZED WORKPLAN WITH BUDGET AND TIMELINE

(Please expand space as needed. Alternatively, add Annex with workplan, budget and timeline)

Description of planned outputs and activities	Amount (US\$)	Implementation period (from month /year to month/year)
Mission of FAO remote sensing expert to Zambia to conduct a capacity building workshop	10,000	August 2014
Complete collaborative technical work on-site and remotely to improve the quality of the 2000 land cover map and implement change detection	10,000	August 2014
Ensure remote sensing products are documented and available for use the REL/RL development and on Zambia's NFMS web portal	5,000	September 2014
Final REL/RL workshop in Zambia to integrate updated land cover maps into preliminary REL/RL and to finalise the REL/RL section of the REDD+ Strategy	15,000	September 2014
Total amount requested (US\$)		40,000

² Depending on the phase of the country in its REDD+ efforts, some of these details are relevant. Others may be too detailed and can be further elaborated if the request is approved.

