

PROPOSAL FOR INDIVIDUAL CONSULTANT:

UN-REDD Technical Assistance 3 - Expert in Socio-Economic Impact Analysis

POSITION INFORMATION

Country Office: INDONESIA

Title of the assignment: UN-REDD Technical Assistance-3; Expert in Socio-Economic Impact Analysis

Project name: UN-REDD 00073846

Period of assignment/services (Total Days / Months if applicable): 2 Months with possibility of extension

CONSULTING INFORMATION

Consultant: Dr. rer.pol. Sonny Mumbunan, M.Sc.

Length of work: 30 days

Starting date of work: March 12, 2012

Submission of final product: April 23, 2012

Total Budget: USD 11302 (excluding basic living expenses)

1. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

❖ **I. Academic Qualifications:**

Minimum bachelor's degree in economics, sociology, forestry, agriculture, natural resource management, environmental science, social science, community-based development, or public policy.

❖ **II. Years of experience:**

- ❖ At least 5 years working experience in areas of climate change, socio-economic impact study, forestry, agriculture, natural resources, environment, or public policy.
- ❖ At least 5 years experience in relevant analyses including socio-economic impact studies.
- ❖ Working experience in projects with international atmosphere will be an asset.
- ❖ Experience in environmental impact assessment (AMDAL), spatial planning (RUTR), development planning (RPJM, Musrenbang), and government budgeting system will be an asset.

❖ **III. Language requirements**

- ❖ Conversant with computer and office software particularly those used for opportunity cost modeling.
- ❖ Proficient in English language, spoken and written.
- ❖ Knowledge of indigenous people and local communities will be an asset.
- ❖ Ability to prepare reports, make presentations, provide training, etc.

2. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSAL.

Interested individual consultants must submit the following documents/information to demonstrate their qualifications:

1. Proposal:

(i) Explaining why you are the most suitable for the work (*Limit of 2,000 characters*)

I have the qualities in terms of qualifications and competencies that the work requires. I hold a PhD in economics from Universitaet Leipzig in Germany (2011), with a dissertation written at the Helmholtz Centre for Environmental Research, one of the leading environmental research institutions in Europe and is well-known for its interdisciplinary research. The dissertation looks at policy options and fiscal impact if public financing for nature conservation in Indonesia considers socio-economic and ecological dimensions. I obtained an MSc degree in Empirical Economics and Policy Advise (2008) from Martin-Luther-Universitaet Halle-Wittenberg, Germany, with a thesis on economic inequality and public goods provision. It is a master program that emphasizes skills in empirical methods for policy analysis and recommendation.

In addition, I had training in the institutions, governance and REDD mechanism. I was a student of Elinor Ostrom, the first woman who receives Nobel Laureate in Economics for her contribution in understanding the governing of common pool resources such as forest. My lecturers include Arild Vatn and Arild Angelsen, scientists who provide conceptual foundations for the Norwegian climate change REDD+ partnerships and initiatives.

At present I am a research scientist at the University of Indonesia's Research Centre for Climate Change (RCCC UI). For the center I am designing a research instrument to analyze forest dependence and livelihood impact as part of ecosystem restoration measure in Siberut National Park, West Sumatera (TFCA-Sumatera/USAID grant proposal). My recent scientific works include the analysis of REDD+ institution as well as revenue transparency in forestry sector with case studies in Central Kalimantan and Central Sulawesi. I have been invited – both as a discussant or a resource person – in focused group discussions organized by Indonesia's REDD+ Task Force or the DNPI. I can appreciate both the theoretical reflections on REDD+ mechanism and their policy-related technicalities.

As a public finance analyst, I have also worked on Indonesia's budgeting and fiscal transfer systems at sub-national level especially in mining and forestry sectors. During the course of my research and policy advise, I have been exposed to different public agencies and relevant stakeholders.

I do believe in the virtues of a team-working and at the same time can also work independently. I have a good command in 5 (five) languages including English and German.

(ii) Provide a brief methodology on how you will approach and conduct the work (if applicable)(Limit of 2,000 characters)

The scope of work covers three points of assignment. **Assignment 1:** Analysis of the potential socio-economic impacts of REDD+ activities on communities in the areas concerned. **Assignment 2:** Estimation of the socio-economic impacts that will serve as a basis for opportunity cost analysis of alternative land uses. **Assignment 3:** Policy recommendations on the basis of the result of these two assignments.

The consultant is aware of the following constraints and their consequences. **Constraint A:** New data collection activities and site visits are limited – i.e. maximal utilization of already collected data. **Consequence A:** A comprehensive counter-factual socio-economic impact analysis given the presence/absence of REDD+ activities (as in e.g. Angelsen et al, 2011) cannot be made. The work therefore demands a development of a creative method which seeks to fulfill the need of the assignment. This constraint is justifiable since at present REDD+ activities are about to begin or still in progress, in addition to time constraint of the project. **Constraint B:** The expected analysis of socio-economic impact will be built in close coordination and exchanges with an opportunity cost analyst. **Consequence B:** A more pragmatic socio-economic impact analysis is demanded to be complementary to the intended opportunity cost analysis.

I envision the following methodological steps.

ASSIGNMENT 1. (I) Building a concrete conceptual framework for the socio-economic impact analysis. The framework should include the logical relationship between the objective, that is the expected output, on the one hand, and their expected inputs on the other. Being the output here is e.g. carbon density or carbon stock per defined administrative area. The input represents a set of economic, social, institutional and REDD+ relevant indicators, e.g. public budget, land sale value (NJOP), poverty-forest proportion, forest/mining concessions, and deforestation rate. The process of building the conceptual framework will be in consultation with other team members. (II) Listing data requirements: which data are already collected by the task force; which data are not yet collected; and which existing data can be used as proxies for socio-economic impact analysis. It is worth emphasizing that as Central Sulawesi comprises only 10 districts and 1 municipality – a number of observations which is not enough to be statistically meaningful and less variant enough for a descriptive analysis – it is recommended that the context of analysis is undertaken at the sub-district (*kecamatan*) level. Here, the consultant needs the assistance from GIS specialist in the team to help him with data segregation. (III) With the use of linear programming to interpret and test the aforementioned framework, a 'Central Sulawesi Benchmark' will be derived from the data. This benchmark can be used to make a sort of profile for all jurisdictions, that is all *kecamatan*, separating them on the basis of their socio-economic impact profiles. This *kecamatan* profile can then be aggregated back to the kabupaten/kota level for the purpose of analysis and decision making. A cartography using *kecamatan* level data can help the visual presentation of the analysis, if that is all possible.

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ASSIGNMENT 2. Based on the above profiling, the perspective about potential socio-economic impact can be approximated with the help of a cross-section regression, indicating changes in the variable in question for *kecamatan* pooled according to its kabupaten/kota. Emphasis would be given to the existing land use pattern in Central Sulawesi. Model specification as well as the objective function of the regression model will be in consultation with the Opportunity Cost and GIS specialists.

ASSIGNMENT 3. **(I)** Policy recommendations on the choice of kabupaten/kota will be (i) based on the above analysis, (ii) in consultation with gathered and accumulated knowledge about the areas in Central Sulawesi; (iii) involving subjective assessment of the relevant actors (i.a. PMU UN-REDD, Central Sulawesi Office of Forestry, and REDD+ Working Group) given visual presentation and insights from Assignment 1 and 2. **(II)** Recommendations for future socio-economic impact analysis.

3. AVAILABILITY

Interested individual consultants must indicate their first available date to begin the consultancy / assignment:

- (i) Date Available to begin:
March 12, 2012. Note that between March 20 to March 26, 2012, I will be overseas (for a scientific conference).

4. FINANCIAL PROPOSAL

❖ **Lump sum contracts:**

1. 20% upon Submission of Work Plan with coordination with other team members
2. 30% upon Submission of acceptance of Draft Report or Progress Report
3. 50% upon Submission of acceptance of Final Report

❖ **Contracts based on daily fee:**

The financial proposal will specify the daily fee, travel expenses and per diems quoted in separate line items, and payments are made to the Individual Consultant based on the number of days worked.

• **Travel:**

All envisaged travel costs must be included in the financial proposal. This includes all travel to join duty station/repatriation travel. In general, in relation to airfares, UNDP should not accept travel costs exceeding those of an economy class ticket; the most direct route, full economy class ticket will be used for calculation of airfares when appropriate. Should the IC wish to travel on a higher class he/she should do so using their own resources.

In the case of unforeseeable travel, payment of travel costs including tickets, lodging and terminal expenses should be agreed upon, between the respective business unit and Individual Consultant, prior to travel and will be reimbursed.

Description	Fee
Daily / Monthly Rate (Consultancy fee ONLY)(<i>strike out non applicable</i>)	
<ul style="list-style-type: none"> • Basic living expenses (such as meals and accommodation whilst working away from your country of residence/duty station) 	USD 100 per day (for 3 days)
<ul style="list-style-type: none"> • Health / Medical and Other Evacuation Insurance costs as applicable (please state) 	n.a.
<ul style="list-style-type: none"> • Risks and inconveniences related to work under hardship and hazardous conditions (please state) 	n.a.
<ul style="list-style-type: none"> • Any other relevant expenses related to the performance of services under the IC (please state) 	n.a.
(a) Daily / Monthly Rate (Including Consultancy fee and other related expenses) (<i>strike out non applicable</i>)	375 USD
(b) Total number of Days / Months (<i>strike out non applicable</i>)	30 days
(c) Travel related expenses for travelling to and from Duty Station and place of residence.	26 USD per month (monthly ticket, commuter train, for 2 months)
(d) Total Contract Costs = (a) Daily / Monthly Rate x (b) Number of Days / Months + (c) Travel Related Expenses	(375x30)+(26x2) = 11302 USD (excluding basic living expenses in Central Sulawesi)

5. APPENDIX

Curriculum Vitae of the consultant.