

NS-85 - Adaptive Sustainable Forest Management in Borjomi-Bakuriani Forest District

Georgia

NAMA Seeking Support for Implementation

A Overview

A.1 Party	Georgia														
A.2 Title of Mitigation Action	Adaptive Sustainable Forest Management in Borjomi-Bakuriani Forest District														
A.3 Description of mitigation action	<p>The proposed initiative uses the existing capacities of the Georgian Forest sector and will upgrade these with means of capacity building, best practice examples, on-site training and participatory pilot activities to generate a relevant climate change adaptation and mitigation impact in the Borjomi-Bakuriani pilot region as basis for upscaling and policy development at national level. It generates new applied knowledge by site specific developments of silvicultural and forest management practices that shall increase both climate change resilience and carbon storage potential of the forest ecosystem. The project will systematically analyse the baseline CO2 and non-CO2 emissions and removals by sink associated to forest land use and land use change, forest vegetation types, carbon pools and activities in the Borjomi-Bakuriani pilot region. Climate change mitigation activities will be derived from proposed good practice guidelines on sustainable management of forests. The restoration of 45.000 hectares of forest will substantially enhance carbon sequestration and storage. As a show case for good practice in sustainable forest management, the pilot activities in Borjomi-Bakuriani will contribute to the implementation of the recently approved national forest vision.</p>														
A.4 Sector	<table border="1"> <tr> <td><input type="checkbox"/> Energy supply</td> <td><input type="checkbox"/> Transport and its Infrastructure</td> </tr> <tr> <td><input type="checkbox"/> Residential and Commercial buildings</td> <td><input type="checkbox"/> Industry</td> </tr> <tr> <td><input type="checkbox"/> Agriculture</td> <td><input checked="" type="checkbox"/> Forestry</td> </tr> <tr> <td><input type="checkbox"/> Waste management</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td><input type="text"/></td> </tr> </table>	<input type="checkbox"/> Energy supply	<input type="checkbox"/> Transport and its Infrastructure	<input type="checkbox"/> Residential and Commercial buildings	<input type="checkbox"/> Industry	<input type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Forestry	<input type="checkbox"/> Waste management		<input type="checkbox"/> Other	<input type="text"/>				
<input type="checkbox"/> Energy supply	<input type="checkbox"/> Transport and its Infrastructure														
<input type="checkbox"/> Residential and Commercial buildings	<input type="checkbox"/> Industry														
<input type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Forestry														
<input type="checkbox"/> Waste management															
<input type="checkbox"/> Other	<input type="text"/>														
A.5 Technology	<table border="1"> <tr> <td><input type="checkbox"/> Bioenergy</td> <td><input type="checkbox"/> Cleaner Fuels</td> </tr> <tr> <td><input type="checkbox"/> Energy Efficiency</td> <td><input type="checkbox"/> Geothermal energy</td> </tr> <tr> <td><input type="checkbox"/> Hydropower</td> <td><input type="checkbox"/> Solar energy</td> </tr> <tr> <td><input type="checkbox"/> Wind energy</td> <td><input type="checkbox"/> Ocean energy</td> </tr> <tr> <td><input type="checkbox"/> Carbon Capture and Storage</td> <td><input type="checkbox"/> Low till / No till</td> </tr> <tr> <td><input type="checkbox"/> Land fill gas collection</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Other</td> <td><input type="text" value="Afforestation/reforestatic"/></td> </tr> </table>	<input type="checkbox"/> Bioenergy	<input type="checkbox"/> Cleaner Fuels	<input type="checkbox"/> Energy Efficiency	<input type="checkbox"/> Geothermal energy	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Solar energy	<input type="checkbox"/> Wind energy	<input type="checkbox"/> Ocean energy	<input type="checkbox"/> Carbon Capture and Storage	<input type="checkbox"/> Low till / No till	<input type="checkbox"/> Land fill gas collection		<input checked="" type="checkbox"/> Other	<input type="text" value="Afforestation/reforestatic"/>
<input type="checkbox"/> Bioenergy	<input type="checkbox"/> Cleaner Fuels														
<input type="checkbox"/> Energy Efficiency	<input type="checkbox"/> Geothermal energy														
<input type="checkbox"/> Hydropower	<input type="checkbox"/> Solar energy														
<input type="checkbox"/> Wind energy	<input type="checkbox"/> Ocean energy														
<input type="checkbox"/> Carbon Capture and Storage	<input type="checkbox"/> Low till / No till														
<input type="checkbox"/> Land fill gas collection															
<input checked="" type="checkbox"/> Other	<input type="text" value="Afforestation/reforestatic"/>														
A.6 Type of action	<table border="1"> <tr> <td><input type="checkbox"/> National/ Sectoral goal</td> <td><input type="checkbox"/> Project: Investment in machinery</td> </tr> <tr> <td><input type="checkbox"/> Strategy</td> <td></td> </tr> </table>	<input type="checkbox"/> National/ Sectoral goal	<input type="checkbox"/> Project: Investment in machinery	<input type="checkbox"/> Strategy											
<input type="checkbox"/> National/ Sectoral goal	<input type="checkbox"/> Project: Investment in machinery														
<input type="checkbox"/> Strategy															

A.7 Greenhouse gases covered by the action	<input checked="" type="checkbox"/> National/Sectoral policy or program	<input type="checkbox"/> Project: Investment in infrastructure
		<input checked="" type="checkbox"/> Project: Other
	<input checked="" type="checkbox"/> Other Pilot project	
	<input checked="" type="checkbox"/> CO2	<input checked="" type="checkbox"/> CH4
	<input type="checkbox"/> N2O	<input type="checkbox"/> HFCs
	<input type="checkbox"/> PFCs	<input type="checkbox"/> SF6
	<input type="checkbox"/> Other	

B National Implementing Entity

B.1.0 Name	National Forestry Agency of the Ministry of Environment and Natural Resources Protection of Georgia
B.1.1 Contact Person 1	Mr.Merab Sharabidze
B.1.2 Address	6 Gulua street, Tbilisi 0114 Georgia
B.1.3 Phone	+995 599 232 224
B.1.4 Email	merab.sharabidze@gmail.com
B.1.5 Contact Person 2	
B.1.6 Address	
B.1.7 Phone	
B.1.8 Email	
B.1.9 Contact Person 3	
B.1.10 Address	
B.1.11 Phone	
B.1.12 Email	
B.1.13 Comments	

C Expected timeframe for the implementation of the mitigation action

C.1	Number of years for completion	2
C.2	Expected start year of implementation	2014

D Currency

D.1	Used Currency	<input type="text" value="AED"/>
	Conversion to USD:	1

E Cost

E.1.1	Estimated full cost of implementation	2000000
E.1.2	Comments on full cost of implementation	The Government of Georgia will contribute 0.5 mio Euro
E.2.1	Estimated incremental cost of implementation	
E.2.2	Comments on estimated incremental cost of implementation	

F Support required for the implementation the mitigation action

F.1.1	Amount of Financial support	1500000
F.1.2	Type of required Financial support	<input checked="" type="checkbox"/> Grant <input type="checkbox"/> Loan (sovereign) <input type="checkbox"/> Loan (Private) <input type="checkbox"/> Concessional loan <input type="checkbox"/> Other <input type="text"/>
		<input type="checkbox"/> Guarantee <input type="checkbox"/> Equity <input type="checkbox"/> Carbon finance
F.1.3	Comments on Financial support	The Government of Georgia will contribute 0.5 mio Euro. Given the estimated total costs of 2 mio Euro, financial support of 1.5 mio Euro is still lacking to assure the implementation of the initiative.

- F.2.1 Amount of Technological support
 F.2.2 Comments on Technological support
 F.3.1 Amount of capacity building support
 F.3.2 Type of required capacity building support

<input checked="" type="checkbox"/>	Individual level
<input checked="" type="checkbox"/>	Institutional level
<input checked="" type="checkbox"/>	Systemic level
<input type="checkbox"/>	Other <input type="text"/>

- F.3.3 Comments on Capacity Building support
 F.4 Financial support for implementation required
 F.5 Technological support for implementation required
 F.6 Capacity Building support for implementation required

G Estimated emission reductions

G.1 Amount	Not estimated yet
G.2 Unit	<input type="text" value="MtCO2e"/>
G.3 Additional information (e.g. if available, information on the methodological approach followed)	In order to estimate the emission reduction / carbon sequestration potential of this initiative, recent forest inventory data (2013) from the pilot project area and the relevant biomass conversion and extension factor for growing stock (according to IPCC) will be used as a basis to calculate the current standing stock of above-ground biomass. Stock-Difference Method (IPCC 2006 on AFOLU) will be applied for estimating the difference in total biomass carbon stock at Borjomi-Bakuriani caused by the project. The improvement of forest management practices is expected to contribute to a long-term increment in biomass. Estimation of emission reductions is based on changes in above-ground biomass. Below-ground carbon and biomass loss due to wood removals have not been considered due to a lack of reliable data. A more detailed emission reductions estimation will be conducted at a later stage of project implementation.

H Other indicators

H.1	Other indicators of implementation
-----	------------------------------------

I Other relevant information

I.1 Other relevant information including co-benefits for local sustainable development	The complete title of the project is: Adaptive Sustainable Forest Management in Borjomi -A model for improved sustainable management of forests, adaptation to climate change, promotion of co-benefits (such as biodiversity protection, poverty alleviation and improving the livelihood and resilience of local communities) with full stakeholder participation in Central Georgia. The overall objective of the project is "to improve the livelihood of people by supporting the sustainable development of forest ecosystems in Georgia". The project will fully take into consideration the high conservation value (HCV) forest management approach.
--	---

J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1 Relevant National Policies	In December 2013, the Georgian parliament has approved a new vision and guiding policy for the forest sector. Climate change herein has been identified as a key-challenge to the sustainable development of Georgia's forests. With regards to climate change, the document recommends to elaborate and implement activities aimed at mitigating and adapting to climate impacts on forests,
--------------------------------	---

including by:

- Commissioning a national report on the impacts of expected climate change on forests and forest goods and services and on potential mitigation and adaptation strategies, using the best available information from national and international sources.
- Conducting national dialogues on the impacts of expected climate change on forests and possible mitigation and adaptation strategies.
- Categorizing forest stands according to forest composition and vulnerability to climate change; elaborating and adopting sustainable management guidelines, including guidance on mitigation and adaptation measures, for each forest type.
- Preparing and implementing mitigation and adaptation plans for forest stands that are vulnerable to climate change.

The project is expected to contribute to the implementation of the above-mentioned activities.

J.2 Link to other NAMAs

K Attachments

K Attachments
K.1 Attachment description
K.2 File

Title Description

Browse...

L Support received

L.1 Outside the Registry
L.2 Within the Registry

Support provided	SupportType	Amount	Comment	Date
Support for Activities related to sustainable Management of Forests	Financial	1,940,492		5/21/ 2014 1:42:54 PM