

NS-272 - Subnational mitigation actions for the regeneration of landscapes

Mexico

NAMA Seeking Support for Implementation

A Overview	
A.1 Party	Mexico
A.2 Title of Mitigation Action	Subnational mitigation actions for the regeneration of landscapes
A.3 Description of mitigation action	This NAMA promotes the establishment of state funding mechanisms and the replication of successful pilot project mitigation actions of planned grazing and for regeneration to contribute to the mitigation and adaptation goals of the Nationally Determined Contribution (NDC) of Mexico under the Paris Agreement. Planned grazing: This component of the NAMA involves the establishment of subnational mitigation actions for the implementation of planned grazing and other practices on grazing lands in 12 states and results in increased capture of CO₂ and water in soils. This is an excellent tool for the mitigation of the effects of climate change that results in increased growth of grasses and livestock productivity for participating ranches. The implementation of this NAMA component was successfully being promoted for replication in additional states. Planned grazing is a conditional measure of Mexico's NDC with a theoretical annual mitigation potential of 5.6 GtCO₂e by 2030 according to the National Institute of Ecology and Climate Change (INECC). This component of the NAMA is projected to regenerate approximately 1.1 million hectares and reach an annual mitigation of 2.9 MtCO₂e in the year 2030, which represents 52% of the theoretical potential for planned grazing identified by INECC and 4 mitigation goal for Mexico's agricultural sector. Cumulative mitigation from 2016-2040 is estimated at 57.8 MtCO₂e. Indicators of sustainable development and transformational change impacts are also being monitored. Forest restoration: This component of the NAMA involves the establishment of subnational mitigation actions for the regeneration of natural forests in 12 states through incentives of payments for ecosystem services and results in increased inventories of CO₂ through the regeneration of forests as they are liberated from degradation such as extensive grazing of cattle, induced fires, and logging. Most importantly, this activity starts the processes of regeneration of the forest understory and for the conservation of biodiversity. This project activity has been implemented for several years in oak forests of the Sierra Gorda Biosphere Reserve of Querétaro as the "Biodiversity Carbon" project implemented by GESG in coordination with Bosque Sustentable A.C. This project formed the basis for the establishment of the Querétaro state mechanism for carbon sinks and the application of matching funds of the National Forestry Commission (CONAFOR). As part of the NAMA, this successful mitigation action will be expanded to other forest types in the Sierra Gorda and replicated in other states. The payments for ecosystem services are complemented by activities for the formation of citizenship, including the training of all key actors, ranging from public officials to landowners, in regenerative management of soils and forests, activities of reforestation, conservation, as well as the strengthening of community tourism microenterprises. The forest restoration component of the NAMA is projected to reach 240,000 hectares by 2030 and reach an annual mitigation of 694,000 tCO₂e, which represents 5% of the emission goal of -14 MtCO₂e for Mexico's Land Use, Land-Use Change and Forestry sector for the year 2030. It is projected to achieve a cumulative mitigation of 7.8 MtCO₂e from 2015-2030. Indicators of sustainable development and transformational change impacts are also being monitored. State climate change funds: Participating states will establish special climate change or environmental funds to finance their subnational actions for planned grazing and regeneration of forests. This policy activity will build upon the successful state carbon compensation mechanism of the state of Querétaro, in which the government has allocated a portion of the fees for annual license plate renewal to a special fund that supports projects that reduce greenhouse gas (GHG) emissions in the state and increase carbon capture in its forests. As part of the NAMA, similar state funding mechanisms will be developed in other states. As an alternative, states may finance their subnational actions through their regular budgetary process or from other sources. State funding will also be enhanced by matching fund programs of CONAFOR and other federal agencies. Initiative for Climate Action Transparency: The NAMA was selected by the Initiative for Climate Action Transparency (ICAT) to pilot the application of ICAT guidance documents for the assessment of GHG and transformational change impacts. The assessment report for transformational change concluded that the extent of transformational change expected by the NAMA is major and the outcome is likely to be sustained over time. The GHG and transformational change assessment reports were subjected to independent technical review and are available for public review.
A.4 Sector	☐ Energy supply ☐ Residential and Commercial buildings ☒ Agriculture ☐ Waste management ☐ Other ☐ Transport and its Infrastructure ☐ Industry ☒ Forestry
A.5 Technology	☐ Bioenergy ☐ Energy Efficiency ☐ Hydropower ☐ Wind energy ☐ Carbon Capture and Storage ☐ Land fill gas collection ☒ Other ☐ Cleaner Fuels ☐ Geothermal energy ☐ Solar energy ☐ Ocean energy ☐ Low till / No till Forest Restoration and Planned Grazing

A.6 Type of action	☒ National/ Sectoral goal ☐ Strategy ☐ National/Sectoral policy or program ☒ Other	☐ Project: Investment in machinery ☐ Project: Investment in infrastructure ☐ Project: Other
Subnational mitigation actions that contribute to Mexico's NDCs		
A.7 Greenhouse gases covered by the action	☒ CO2 ☐ N2O ☐ PFCs ☐ Other	☒ CH4 ☐ HFCs ☐ SF6

B National Implementing Entity

B.1.0	Name	Grupo Ecológico Sierra Gorda, I.A.P.
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B.1.13	Comments	

[Add Additional Entity](#)

C Expected timeframe for the implementation of the mitigation action

C.1	Number of years for completion	15
C.2	Expected start year of implementation	2016

D Currency

D.1	Used Currency	EUR ▼
Conversion to USD: 1		

E Cost

E.1.1	Estimated full cost of implementation	124,800,000
Conversion to USD: 161,448,900		
E.1.2	Comments on full cost of implementation	Estimated full cost of implementation of a 5-year NAMA support project, including financial mechanisms, technical assistance and other direct and indirect costs
E.2.1	Estimated incremental cost of implementation	124,800,000
Conversion to USD: 161,448,900		
E.2.2	Comments on estimated incremental cost of implementation	Incremental costs are considered equal to the full costs as the NAMA activities are not included under business as usual.

F Support required for the implementation the mitigation action

F.1.1	Amount of Financial support	10,000,000
Conversion to USD: 12,936,611		
F.1.2	Type of required Financial support	☒ Grant ☐ Loan (sovereign) ☐ Loan (Private) ☐ Concessional loan ☐ Other
☐ Guarantee ☐ Equity ☒ Carbon finance		
F.1.3	Comments on Financial support	Considers transitional support for state financial mechanisms.
F.2.1	Amount of Technological support	8,00,0000
F.2.2	Comments on Technological support	Includes expert and consulting services.

F.3.1	Amount of capacity building support	2,000,000
		Conversion to USD: 2,587,322
F.3.2	Type of required capacity building support	☐ Individual level ☐ Institutional level ☐ Systemic level ☒ Other Subnational level (states)
F.3.3	Comments on Capacity Building support	Includes training on techniques of regenerative management of ranches and capacity building for all components.

G Estimated emission reductions

G.1	Amount	65.6
G.2	Unit	MtCO2e v
G.3	Additional information (e.g. if available, information on the methodological approach followed)	GHG impacts were assessed using guidance documents of the Initiative for Climate Action Transparency (ICAT) and methods of IPCC 2006 and were subjected to independent technical review. The technical review report concluded that ICAT key recommendations were followed and that the estimated GHG impacts are correct. The assessment reports and technical review report are available for public review.

H Other indicators

H.1	Other indicators of implementation	■ Number of subnational actions for planned grazing and forest regeneration, ■ Number of climate change funds established, ■ Amount of state financing assigned to the subnational actions, ■ Amount of federal matching funds, ■ Number of hectares regenerated, ■ Number of ranch and forest owners that receive support for regenerative management, ■ Amount or value of support received by ranch and forest owners.
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I Other relevant information

I.1	Other relevant information including co-benefits for local sustainable development	■ Estimated 53% increase in annual income for participating ranchers. ■ 20 million dollars/year in economic and environmental returns for forest sector. ■ 47 million dollars/year in environmental returns for livestock grazing subsector.
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J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1	Relevant National Policies	Nationally Determined Contributions (NDCs), State Climate Change Programs, Climate Change General Law, National Climate Change Strategy: Vision Mexico's Special Program on Climate Change.
J.2	Link to other NAMAs	(none)

K Attachments

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K.1	Attachment description													
K.2	File	Choose File No file chosen												

L Support received

L.1	Outside the Registry	84.5 million pesos (2016-mid 2019)				
L.2	Within the Registry	Support provided	SupportType	Amount	Comment	Date
No records to display.						