

NS-319 - Implementation of Climate Change Mitigation Strategies in the Passenger Transport Sector

Ecuador

NAMA Seeking Support for Implementation

A Overview		
A.1 Party	Ecuador	
A.2 Title of Mitigation Action	Implementation of Climate Change Mitigation Strategies in the Passenger Transport Sector	
A.3 Description of mitigation action	This NAMA aims to prepare and ensure a sustainable implementation of climate change mitigation actions in the Passenger sub-are transportation sector. The NAMA will focus on three pilot cities: Quito, Guayaquil and Cuenca and later evaluate the sustainability c its implementation to a national scale . The preparation will ensure economic, institutional, social and environmental sustainability c project. The NAMA development process will generate a specific tool to allow concerned authorities to arbitrate the right decisions Climate Change Mitigation in the Passenger Transportation sub-area in matter of mitigation strategies, Monitoring Reporting and V (MRV) Plan and funding strategy.	
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	
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	
A.7 Greenhouse gases covered by the action	☒ CO2 ☐ N2O ☐ PFCs ☐ Other ☐ CH4 ☐ HFCs ☐ SF6	
B National Implementing Entity		
B.1.0	Name	Environment Ministry of Ecuador (MAE, for its initials in spanish)
B.1.1	Contact Person 1	Maria Victoria Chiriboga
B.1.2	Address	Calle Madrid 1159 y Andalucia, 170525, Quito-Ecuador
B.1.3	Phone	+ (593 2) 398 7600
B.1.4	Email	maria.victora@ambiente.gob.ec
B.1.5	Contact Person 2	Pamela Rocha
B.1.6	Address	Calle Madrid 1159 y Andalucia, 170525, Quito-Ecuador
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B.1.8	Email	procha@cancilleria.gob.ec
B.1.9	Contact Person 3	
B.1.10	Address	
B.1.11	Phone	
B.1.12	Email	
B.1.13	Comments	
Add Additional Entity		

C Expected timeframe for the implementation of the mitigation action	
C.1	Number of years for completion 5
C.2	Expected start year of implementation 2018
D Currency	
D.1	Used Currency USD Conversion to USD: 1
E Cost	
E.1.1	Estimated full cost of implementation 214,594,366 Conversion to USD: 214,594,366
E.1.2	Comments on full cost of implementation Cost cover capital investments oriented towards the creation of financial mechanisms to subsidize fleet renovation, infrastructure creation of new financial incentives and associated consulting costs, marketing campaigns and maintenance courses to be imple
E.2.1	Estimated incremental cost of implementation 42,535,013 Conversion to USD: 42,535,013
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 212,959,366 Conversion to USD: 212,959,366
F.1.2	Type of required Financial support ☒ Grant ☐ Guarantee ☒ Loan (sovereign) ☒ Equity ☒ Loan (Private) ☐ Carbon finance ☐ Concessional loan ☐ Other
F.1.3	Comments on Financial support The measures will require financial support of different modalities such as soft loans, participation of international funds (environr energy efficiency), multilateral banks and possibilities of sponsoring (by municipalities, ministries, chambers of commerce, trade a etc.). Private sector opportunities through sponsorships and manufacturers, workshop associations, etc. are to be taken into cons well.
F.2.1	Amount of Technological support
F.2.2	Comments on Technological support
F.3.1	Amount of capacity building support 1,785,000 Conversion to USD: 1,785,000
F.3.2	Type of required capacity building support ☐ Individual level ☒ Institutional level ☐ Systemic level ☐ Other
F.3.3	Comments on Capacity Building support Necessary activities to strengthen the administrative capacity of the entities that must implement the measures. Capacity requiren mainly oriented to support the creation of new financial incentives and mechanisms.
G Estimated emission reductions	
G.1	Amount 8.712
G.2	Unit MtCO2e
G.3	Additional imformation (e.g. if available, information on the methodological approach followed) The amount above is a cumulative amount to be reach in 2030 for an incremental implementation of the NAMA related mitigation a in 2018. The amount of estimated emission reductions was calculated as the difference between the "Business as Usual" emission the emissions reduction, for three pilote cities: Quito, Guayaquil and Cuenca. Calculations have been performed for each city takin the potential mitigation associated to several policies and actions in the context of each municipality. Finally, the emissions reductio for each town were summed, giving the value in G.1.
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 In general, as transportation depends almost only on fossil fuels, energy security is a major issue for the sector. There is a direct link between energy security an mitigation actions focused on alternative fuel options like bio-fuel or electrification. The proper demand measurement allows a better logistic for the vehicles decrease in the transportation costs, the travel distances and or/durations and positively affects productivity, working conditions and general living condition transportation workers. Some of the higher costs generated by an inefficient transport system is the time lost by traffic congestion. Some of the major impro ones related to a better public health and the impact of a sustainable transportation development on air pollution, noise exposure, vibrations, and infrastru quality. ■ <u>Environemental co-benefits</u>: Better air quality, natural resources protection, biodiversity protection, noise reduction, land cover/use, better energy manage

- **Social co-benefits:** Public health, quality of life, traffic reliability and safety, access to an affordable and sustainable mobility, social cohesion and passengers comfort, urban-rural connectivity, traffic fluidity improvement.
- **Economical co-benefits:** Traveling time saving, traveling cost related savings, system reliability, public incomes, tickets pricing, jobs creation, better safety, public health related savings.
- **Other co-benefits:** Better institutional context and infrastructural conditions, better resilience and adaptation to climate change.

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

J.1	Relevant National Policies	■ National Plan for Good Living 2013-2017 – Goal 7; Policy 7.7 http://buenvivir.gob.ec/ ■ Executive Decree 1815 of July 2009 – Declares “Adaptation and climate change mitigation” as state policy. http://www.flacsoandes.edu.ec/web/imagesFTP/11120.PDF_DECRETO_1815_Declaracion_de_politica_de_estado_la_adaptacion_y_mitigacion_al_cambio_climatico_Direccion_de_Cam ■ National Environmental Policies (November 2009) - Policy #3 http://www.pnuma.org/deat1/pdf/GEO%20Ecuador%202008.pdf ■ Executive Decree 495 of October 2010 – creates the Interinstitutional Committee on Climate Change (CICC, for its initials in Spanish) http://extwprlegs1.fao.org/docs/pdf/ecu140057.pdf ■ National Climate Change Strategy 2012-2025 (ENCC, for its initials in Spanish) – Ministerial Agreement 095 http://globaltrends.thedialogue.org/publication/estrategia-nacional-de-cambio-climatico-del-ecuador-enc-2012-2025/ ■ Ministerial Agreement 089 https://www.registroficial.gob.ec/index.php/registro-oficial-web/publicaciones/registro-oficial/item/2378-registro-oficial-no-138.html ■ General recommendations for climate change plans, programs and strategies, for decentralized autonomous government. http://www.ambiente.gob.ec/el-mae-socializa-lineamientos-de-cambio-climatico-en-territorio-2/ ■ Mechanisms to consent the ecuadorian environmental “Carbon Neutrality”. http://www.ambiente.gob.ec/wp-content/uploads/downloads/2014/06/am_141_ana_cn_20_05_14.pdf ■ National Plan for Climate Change 2015-2018 (PNCC, for its initials in Spanish) https://info.undp.org/docs/pdc/Documents/ECU/PLAN%20NACIONAL%20DE%20CAMBIO%20CLIM%C3%81TICO.pdf
J.2	Link to other NAMAs	(none)

K Attachments

K	Attachments	Title	Description
		No records to display.	
K.1	Attachment description		
K.2	File	Choose File	No file chosen

L Support received

L.1	Outside the Registry					
L.2	Within the Registry	Support provided	SupportType	Amount	Comment	Date
		No records to display.				