



## Low Emission Schools NAMA

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## About the project

*Low Emission Schools* Programme aims to empower students to effectively influence their communities on climate change and sustainability, while reducing CO<sub>2</sub> emissions within the school.

This programme is carried out through actions led by the educational community. These activities are registered on a platform that serves as an interactive portal for environmental education.



*Children as climate change ambassadors*

## The approach

**Coordinating Entity:** Mexican Ministry of Environment, Natural Resources at federal level

### Implementation:

Local Non-Profit Organisations under supervision of local authorities of the Educational and Environmental Ministries on a state level

### Support for NAMA concept design and piloting:

BMZ: €210K and UK Foreign & Commonwealth Office: €107K

Apr 2013- Oct 2014

German Embassy in Mexico: €76K Jun-Dec 2015

Technical & capacity building: GIZ

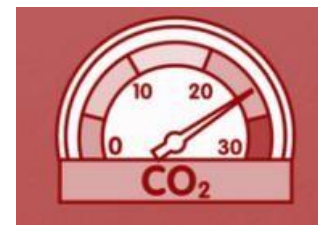
### 5 Piloting States 2013-2014



## Objectives

Create a program of Nationally Appropriate Mitigation Action for schools in Mexico in order to:

- Keep track of GHG emissions in schools through a web-based platform.
- Foster a comprehensive approach on climate change and adaptation in schools and educational communities.
- Transform students into climate change agents in their local communities.



# Implementation methodology

## Full School Diagnosis

- Workshops and capacitations;
- Green Teams;
- GHG inventory and diagnosis;
- Annual Operation Planning;
- Identification of needs

## Annual action planning and development

- Annual operation planning
- Quantification of co-benefits
- GHG Inventory for education sector

## Measuring, Reporting and Verification

- Evidence of actions;
- GHG calculators per action line;
- Annual performance reports;



Digital Platform



NGO follow-up



## School approach

Action Lines:



Water



Waste



Energy



Green areas



Transport



Sustainable consumption



Students setting mitigation action priorities

- Each school creates a **Green Team** composed by students, parents and school staff that together are in charge of implementing the annual emission reduction action plan.
- The program is accompanied by a series of climate change awareness workshops and various digital tools in order to empower the educational community and the green team towards the accomplishment of the annual goals.

# Benefits

## Environmental

- GHG emission reductions;
- Participation of the education sector on climate change efforts.
- Supports the achievement of the national climate change goals.

## Social

- Youth empowerment on climate change strategy development.
- Strengthen social dynamics and innovation against climate change.

## Economical

- Savings on water, gas and transport fields on schools.
- Cost savings to governments in the form of reduced energy subsidies.



## Results so far

- Incorporation in the Special Climate Change Programme 2014-2018
- Inclusion in the Climate Action Program of Mexico City 2014-2020.
- Digital web-based platform
- Operating procedures and guidelines for implementing entities
- Mobilization of 1.5 Million pesos from state governments and private sector.

### Results between 2013-2014

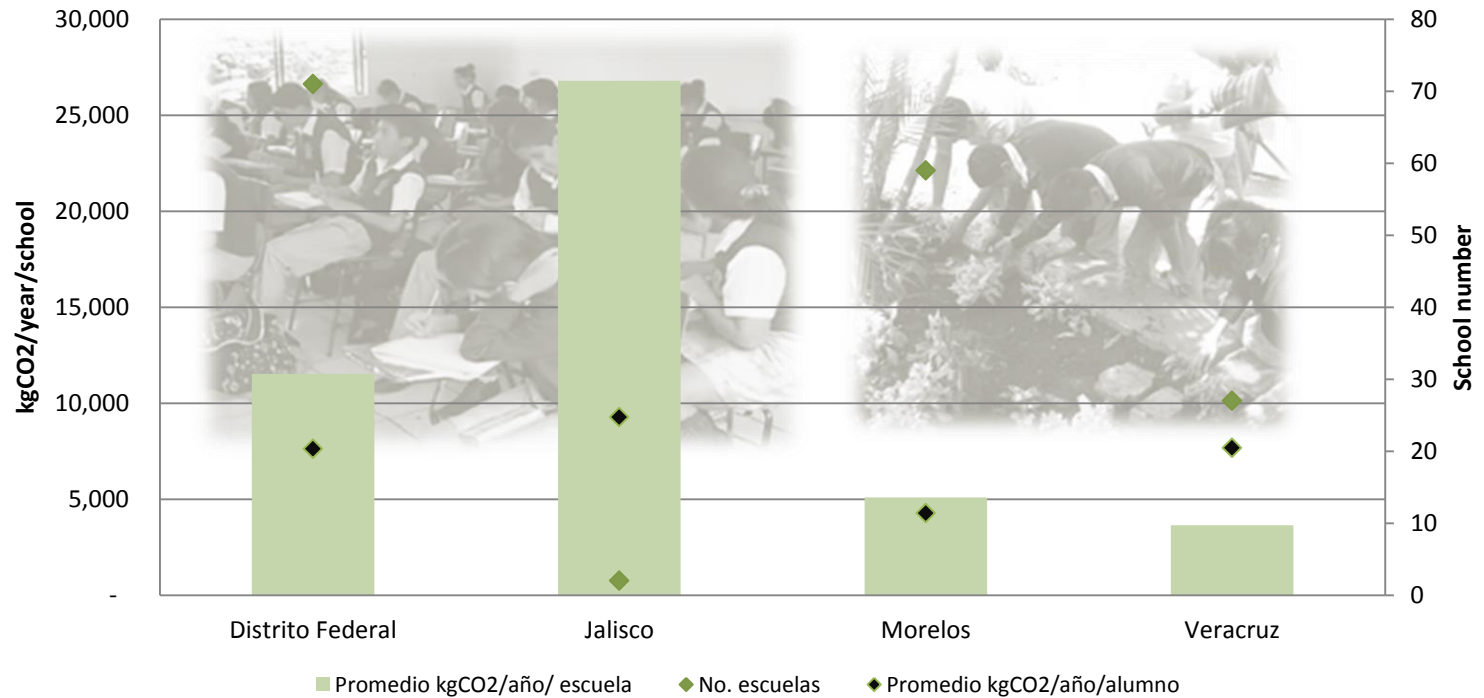
- Implementation of pilot project in 36 public and private schools.
- Training over 4,400 students and 1,000 adults
- Over 930 project green-leaders with an influence on 26,000 students
- More than 85 environmental management plans.
- More than 80,000 people reached indirectly from the educational community.
- Pilot results: GHG reduction average of  $7.9tCO_2/school/year$





# Pilot results No. 1

## Average emission reduction per school and students



## Pilot results No. 2

### Most popular actions in the pilot project



## Next steps

Consolidation of the Measuring, Reporting and Verification System (MRV)



Steering committee development



Financial mechanism piloting



National Implementation and deployment

## Annual mitigation potencial established in PECC 2014-2015

Year	States involved	Schools	tCO2/year
2015	3	20	2,250
2016	6	60	5,400
2017	12	120	17,460
2018	15	200	33,750

## Financial viability

The estimated amount required financing is **13.5 Mio USD** up to 2018.

These funds comprise:

- Operation and coordination of the program
- Evaluation of projects at school level through local bodies and web-based platform
- This guarantees:
  - ✓ State and federal coordination to manage the implementation process
  - ✓ Promotion, recognition and dissemination of the program



The screenshot shows a webpage from 'nama news' with the title 'Mexico's new generation of climate change envoys'. The article text includes: 'Through education, Mexico's initiative 'Low Emission Schools' (Escuelas Bajas en Emisiones) is mobilizing the next generation to tackle climate change. Between 2013 and 2014, Mexico's successful pilot program combined climate action with climate education in 36 schools in 5 states. In each school a group of students between ages 10 and 16 became members of a 'Green Team' and learned the causes and effects of climate change and how to meet them head-on. As part of the program, students also assessed their school's use of resources and emissions footprint. They surveyed the buildings and grounds, tracked energy efficiency, recorded and analysed the data and, finally, identified and made the necessary improvements with help from teachers and parents. Children as climate change ambassadors To tackle climate change at home we have to change our way we do everyday things. In other words, change our habits. The best way to do that is to stop them before they start. Little things like turning off the lights, lowering' There are also social media icons and a 'QUICK LINKS' section.

NAMA News, 2015

<http://namanews.org/news/2015/02/08/mexico-low-emissions/>

# Contact



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# Muchas gracias!

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