

Mexican Freight NAMA

MRV - Blueprint

Programa Mexicano-Alemán para NAMA Componente Transporte México

On behalf of:

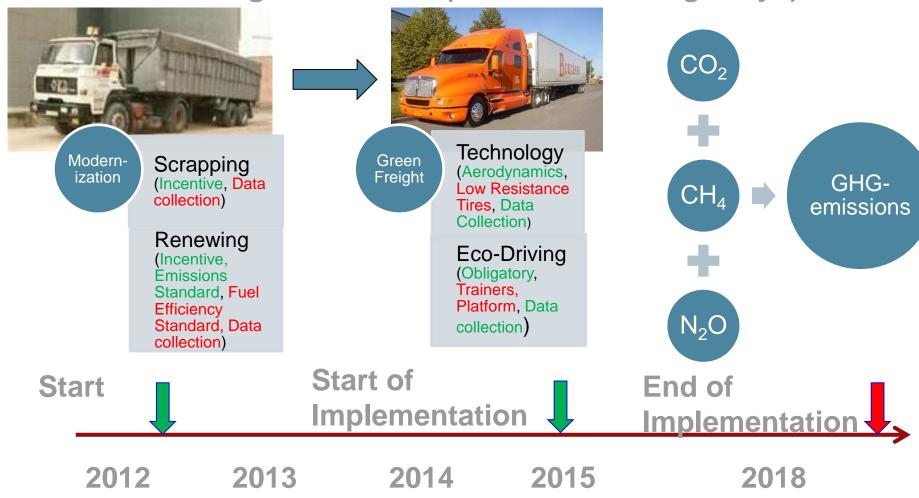


of the Federal Republic of Germany

Scope of the NAMA



Federal road freight in Mexico (license to use highways)



Information and sources used for the design of the baseline

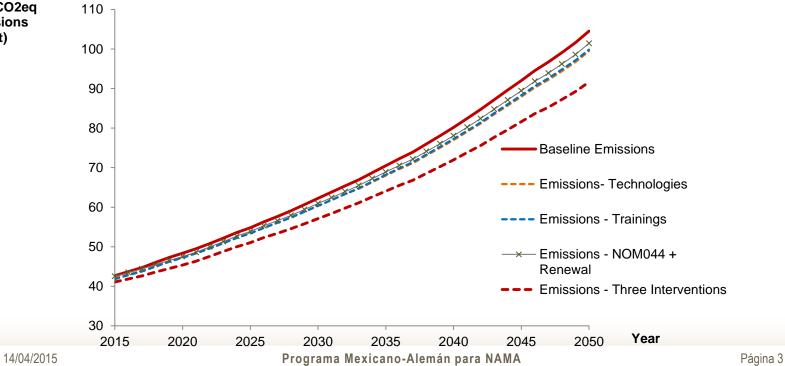
Anual CO2eq

Emissions (Mt)



Number of units of each type of	The total number of trucks registered in SCT in 2013 is categorized into four
truck	types: C2, C3, T2 and T3.
Total yearly distance	Total distance per year, taken from the study "Radiografía NAMA Transporte"
	developed in the framework of the NAMA.
Performance	Liters of diesel per kilometer, taken from the study "Radiografía NAMA
	Transporte" developed in the framework of the NAMA.
Total emissions	Own calculation (four mitigation-scenarios), considering that each truck
	produces 2.69 kg of CO ₂ eq per liter (developed by INECC and CMM).

Mitigation Scenarios - Three Interventions





Methodology implemented in the calculator

Direct Effect	Indirect Effect
Direct Effect: the new unit transports the objects	Indirect Effect: the new unit runs more tkm –
that the old one did but with less CO ₂ emissions.	because it is more efficient and costumers
	demand to use a new unit - than the old one. It
Direct Effect= tkm _{old per year} x (EF _{old} – EF _{new})	takes tkm away from the average of the fleet.
_, <i>,</i>	The new unit is also more efficient than the
Where:	average unit and hence, there is an indirect
tkm: tons per kilometer.	effect.
EF: average emissions/tkm (old or new units) per	
vehicle class and year.	Indirect Effect= (tkm new_per year - tkm old_per year) x
	(EF fleet - EF new)

Impact chain:

- No rebound effects are included
- Emissions for producing and scrapping trucks are not included.

Where:

 ${\sf EF}_{\sf new}$: average emissions/tkm of a new unit per vehicle class.

EF _{fleet}: average emissions/tkm of a 15 year old unit per vehicle class.



Thank you for your attention!

On behalf of:



of the Federal Republic of Germany

