



## Transport NAMA Monitor 2016

**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

On behalf of:



Federal Ministry  
for the Environment, Nature Conservation,  
Building and Nuclear Safety

of the Federal Republic of Germany

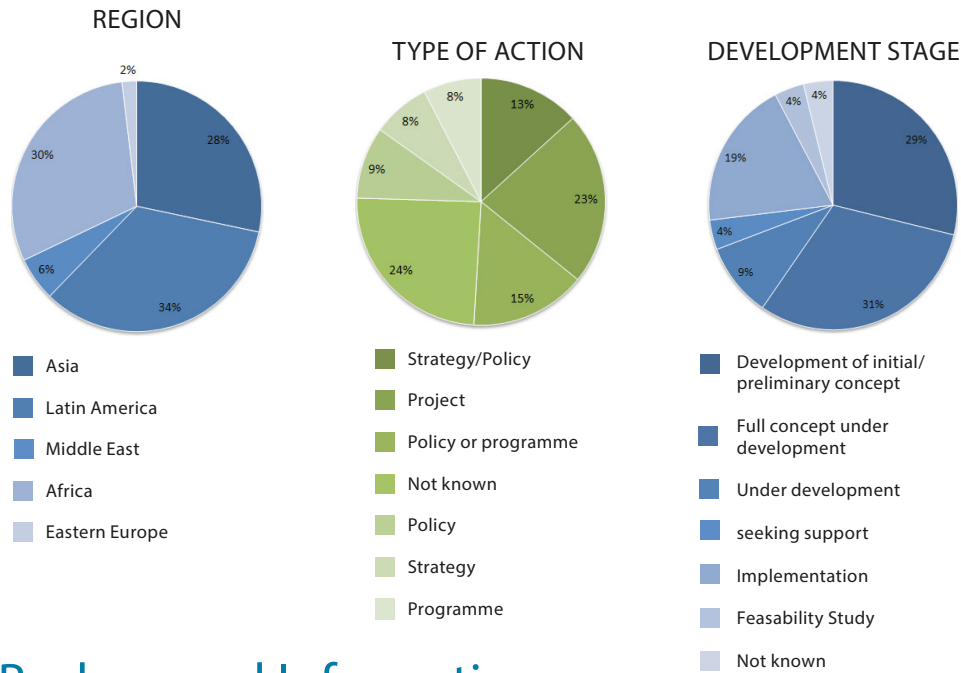
# Welcome to our annual Transport NAMA Monitor

The 2016 Transport NAMA Monitor presents the latest trends and developments of transport NAMAs around the world.

In this year's update, 10 new NAMAs could be added to the Transport NAMA Database covering 53 Transport NAMAs now – even though most of them in an early development stage. Nationally Appropriate Mitigation Actions (NAMAs) are important cornerstones for the implementation of the Intended Nationally Determined Contributions (INDCs) which determine the mitigation paths of the UNFCCC parties as a result of the Paris Agreement.

NAMAs provide a framework for governments in developing countries to support the reduction of greenhouse gas emissions. At the same time, the implementation of transport NAMAs has the potential to combine climate change mitigation with economic growth, poverty eradication and improved quality of life. On top of that, NAMAs are a promising instrument to gain international support and recognition for the transport sector.

Find below some core facts and figures witnessed in our annual update of the database:



## Background Information on the TRANSfer Project

The TRANSfer project is run by GIZ and funded by the International Climate Initiative of the German Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB). Its objective is to support developing countries to develop and implement climate change mitigation strategies in the transport sector as „Nationally Appropriate Mitigation Actions“ (NAMAs). The TRANSfer project is working on the country level with selected partner countries and on international level towards international learning. Activities at country and international level are closely linked and designed in a mutually beneficial way. While specific country experience is brought to the international stage (bottom-up) to facilitate appropriate consideration of transport sector specifics in the climate change regime, recent developments in the climate change discussions are fed into the work in the partner countries (top-down).



For more information see:  
[www.transport-namas.org](http://www.transport-namas.org)

Or find our database online at:  
[www.transport-namadatabase.org](http://www.transport-namadatabase.org)

The TRANSfer project is run by GIZ and



A Nationally Appropriate Mitigation Action (NAMA) is considered to be any mitigation action tailored to the national context, characteristics and capabilities, and embedded in national sustainable development priorities. Nevertheless, based on international experience, the ingredients for a NAMA are quite uniform.

The following four elements form the main building blocks of any NAMA in the transport sector:

1. Design of the Mitigation Actions
2. Measurement, Reporting and Verification (MRV)
3. Financing
4. Registration



### THE TRANSPORT NAMA DATABASE

The Transport NAMA database, available at [www.transport-namadatabase.org](http://www.transport-namadatabase.org), aims to provide an up-to-date picture of NAMA development in the transport sector for governments, practitioners and researchers. It aspires to include all transport NAMAs to which public information is available. Public information covers information from the NAMA registry, INDC submissions, public presentations, information found on websites and in the NAMA database.

Please contact us if you have any additional information – we are happy to adapt!  
Contact: [transfer@giz.de](mailto:transfer@giz.de)



### READING TIPS:

Handbook - NAVIGATING TRANSPORT NAMAs:

- Our useful handbook full of best practices and ideas to design more sustainable transport systems.  
<http://transport-namas.org/resources/handbook/>
- Transport NAMA Monitor: Have a look on all our previous Transport NAMA Monitors.  
<http://transport-namas.org/resources/transport-nama-monitor/>
- Information on Paris Process on Mobility and Climate (PPMC) via  
<http://www.ppmc-transport.org/>

## Transport NAMAs around the world:

No	Country	Name of NAMA	Development Stage
1	Argentina	Modernization of freight train infrastructure	Development of initial/preliminary concept
2	Azerbaijan	Nationally Appropriate Mitigation Actions (NAMAs) for low-carbon end-use sectors in Azerbaijan	Implementation
3	Bangladesh	NAMA Proposal for the Railway Sector in Bangladesh	Development of initial/preliminary concept
4	Bhutan	Sustainable Urban Transport System for Thimphu and Phuentsholing cities (Bhutan)	Not known
5	Brazil	Comprehensive mobility plan for Belo Horizonte (Brazil)	Development of initial/preliminary concept
6	Chile	E-mobility readiness plan	Under development
7	Chile	Programme for Energy Efficiency in the Transport Sector in Chile	Feasibility study
8	Chile	Santiago Transportation Green Zone (STGZ) (Chile)	Implementation
9	Colombia	NAMA TAnDem - NAMA for Active Transport and Transport Demand Management	Finalization of concept; pilot phase starting in 2017
10	Colombia	Transit-Oriented Development (TOD) in Colombia	Implementation
11	Colombia	Unilateral NAMA: Sustainable road-based freight transport Colombia	Implementation
12	Costa Rica	Fostering technological change and fleet modernization in the public transport sector (Greater Metropolitan Area of San Jose) (Costa Rica)	Development of initial/preliminary concept
13	Dominican Republic	Low Carbon Climate Resilient Development Strategy in Dominica	Full concept under development
14	Ecuador	NAMA on low carbon freight transport	Under development
15	Ecuador	Urban Mobility (Metro) NAMA in Quito (Ecuador)	Development of initial/preliminary concept
16	Egypt	Urban transport infrastructure in Cairo, Egypt	Development of initial/preliminary concept
17	Ethiopia	Addis Ababa Light Rail Transit Transit Oriented Development NAMA (Ethiopia)	Implementation
18	Ethiopia	Ethiopia Railways Establishment of Climate Vulnerability Infrastructure Investment	Full concept under development

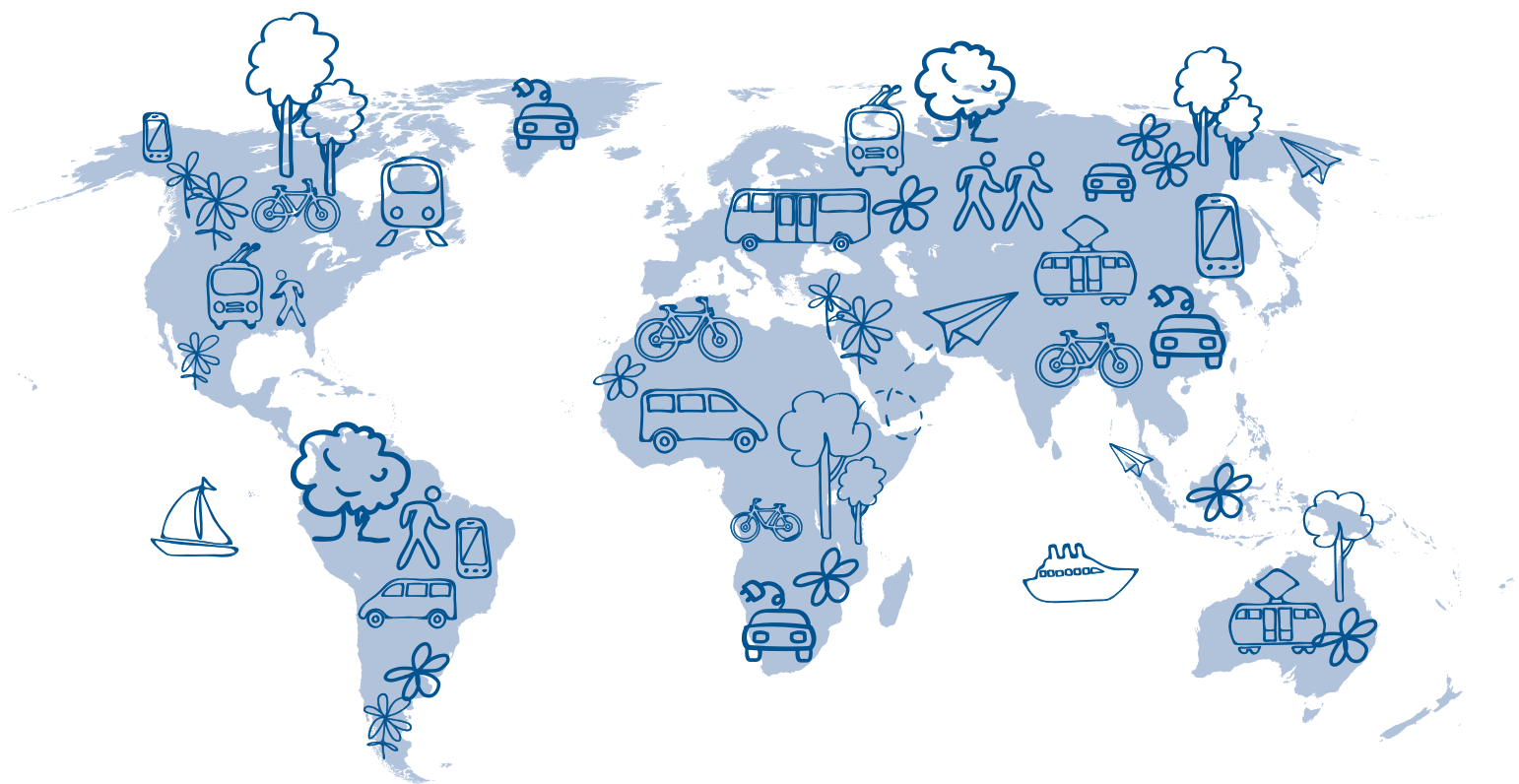
# Where do we stand in 2016?

No	Country	Name of NAMA	Development Stage
19	Ethiopia	Ethiopian Railways – Railway Academy NAMA	Full concept under development
20	Ethiopia	Ethiopia's National Railway Network and Addis Ababa Light Rail Transit (LRT) NAMA	Full concept under development
21	Georgia	Vertically Integrated NAMA (V-NAMA) for the Urban Transport Sector (Georgia)	Development of initial/preliminary concept
22	Ghana	BRT for Accra (Ghana)	Full concept under development
23	India	Inter-urban Rail NAMA (India)	Full concept under development
24	Indonesia	Sustainable Urban Transport Initiative (SUTRI) NAMA (Indonesia)	Implementation
25	Jordan	City wide mitigation programme of Greater Amman Municipality (Jordan)	Development of initial/preliminary concept
26	Kazakhstan	Fostering Use of Natural Gas in the Transport Sector	Seeking support
27	Kazakhstan	Nationally Appropriate Mitigation Action for Low-carbon Urban Development in Kazakhstan	Implementation
28	Kenya	Mass Rapid Transport System for Nairobi (Kenya)	Implementation
29	Laos	Master Plan on Comprehensive Urban Transport of Vientiane (Laos)	Development of initial/preliminary concept
30	Lebanon	Hybrid electric vehicles (Lebanon)	Development of initial/preliminary concept
31	Lebanon	Public transport development in Lebanon	Feasibility study
32	Malaysia	Towards Energy Efficient Two-Wheelers NAMA (EE2W) in Malaysia	Development of initial/preliminary concept
33	Mexico	Car Fleet Renewal in Mexico	Full concept under development
34	Mexico	Enhancing Vehicle Renovation and operating efficiency in Mexico's federal freight sector	Implementation
35	Mexico	NAMA based on the Federal Mass Transit Programme (PROTRAM) (Mexico)	Full concept under development
36	Mexico	Optimization of the conventional bus system in the valley of Mexico City (Mexico)	Development of initial/preliminary concept
37	Panama	Sustainable urban mobility NAMA	Not known

No	Country	Name of NAMA	Development Stage
38	Peru	TRANSPeru, Sustainable Urban Transport NAMA (Peru)	Full concept under development
39	Philippines	Jeepney+ NAMA of the Philippine Government – Transforming Road-based Public Transport in the Philippines	Full concept under development
40	Rwanda	Bus Rapid Transit in Kigali	Under development
41	Serbia	Rehabilitation of Arterial Roads (Serbia)	Full concept under development
42	Sierra Leone	Support to Sierra Leone Preparation of NAMA	Under development
43	South Africa	Passenger Modal Shift from Road to Rail - The Gautrain Case (South Africa)	Implementation
44	South Africa	Rollout of electric private passenger vehicles (South Africa)	Development of initial concept
45	South Africa	Sustainable Urban Mobility - Tsamaya NAMA	Full concept under development
46	Sri Lanka	Sustainable transport within the Colombo Metropolitan Area (CMA)	Under development
47	Thailand	People-centred Urban Mobility in Thailand (Thailand Mobility NAMA)	Seeking support
48	Tunisia	Capacity development for GHG Inventories and MRV (Tunisia)	Development of initial/preliminary concept
49	Uganda	Bus Rapid Transit (BRT) for Kampala (Uganda)	Full concept under development
50	Uganda	Periodic Vehicle Inspection for Emissions and Roadworthiness (Uganda)	Full concept under development
51	Uganda	Vehicle Fuel Efficiency (Uganda)	Full concept under development
52	Vietnam	Green Freight (Vietnam)	Development of initial/preliminary concept
53	Vietnam	Low-carbon bus NAMA (Vietnam)	Development of initial/preliminary concept

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