



Opportunities of Sustainable Mobility

Mobility is essential for the social and economic development of a country. Reliable transport systems have positive impacts on a country's economy and improve access to jobs, education and health care. However, current trends in the transport sector are mostly unsustainable. The tremendous growth of motorised transport is one of the key challenges for sustainable development worldwide. With 27%, the transport sector already contributes the second highest share of energy-related CO₂ emissions globally and is the fastest growing sector in terms of greenhouse gas (GHG) emissions. These trends will continue if sustainable transport solutions are not systematically introduced. To reverse these developments, large amounts of funding are required to scale up proven approaches on sustainable, low-carbon passenger and freight transport, to develop and implement enabling policies and to build institutional and organisational capacity. Moreover, improving sustainable mobility is essential to achieve the Sustainable Development Goals.

PROJECT EXAMPLE: TRANSfer: Umbrella for transport NAMAs worldwide

TRANSfer is a unique umbrella project for transport-related Nationally Appropriate Mitigation Actions (NAMAs) worldwide. The TRANSfer project is run by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and funded by the International Climate Initiative (IKI) of the German Environment Ministry (BMUB). Its objective is to support developing countries to devise and implement climate change mitigation strategies in the transport sector as NAMAs. As such, the project has established

long-term cooperations with its partner countries Colombia, Peru, South Africa, Indonesia and the Philippines. The project supports these countries in developing and implementing transport NAMAs, including MRV concepts and the financial design. It also promotes an international learning process, e.g. by publishing the handbook "Navigating Transport NAMAs" and established two expert groups on MRV and Climate Finance for Sustainable Transport. The four NAMAs developed within the project have an expected minimum greenhouse gas mitigation potential of 30 MtCO₂ over 10 years (conservative, lower end ex ante estimations).

INDONESIA

The sustainable urban transport NAMA (SUTRI NAMA) in Indonesia is designed as a national programme by the Indonesian Ministry of Transport, supported by GIZ. In its first phase, it promotes sustainable urban transport in 7 pilot cities. Improving the urban transport situation in Indonesia's cities will not only reduce greenhouse gas emissions, but will also contribute to better air quality, economic development and social welfare. The Sustainable Urban Transport NAMA in Indonesia is one of the first projects selected by the [NAMA Facility](#).



PROJECT EXAMPLE: Promoting Low Carbon Transport in India

Launched in 2010, the project Promoting Low Carbon Transport in India was designed to help India forge a strong link between its national climate change policy and urban transport systems. It is implemented by UNEP and UNEP-DTU Partnership in consultation with India's Ministry of Environment and Forests and Ministry of Urban Development (MoUD).

At the national level, model-based assessments of low-carbon transport options were conducted, demonstrating how the transport sector can contribute to climate change mitigation. Interventions that were analysed included bus rapid transit, metro rail, high-speed rail, electric mobility, dedicated freight corridors and non-motorized transport.

At the city level, Low Carbon Comprehensive Mobility Plans (LCMPs) were prepared for three Indian cities (Udaipur, Rajkot and Visakhapatnam), analysing business-as-usual trends in mobility demand and proposing sustainable alternative scenarios. LCMPs were used to revise MoUD's Comprehensive Mobility Planning toolkit,

the default transport planning guide for Indian cities. The IKI continues to work with its Indian partners to build upon these positive experiences.

PROJECT EXAMPLE: Sino-German Cooperation on Electro-Mobility and Climate Protection

The objective of the Sino-German Cooperation Project on Electro-Mobility and Climate Protection is to provide national ministries and leading think tanks with access to conceptual and technical background to introduce electro-mobility in China in a climate-friendly and environmentally sound way. The project identifies and assesses the climate and environmental impact of electro-mobility in China and works with its partners to analyse different scenarios. It involves leaders from politics and business as well as society in the process. Moreover, the project is developing guidelines for municipal administrations on how to promote electro-mobility and integrate it into sustainable urban transport. The focus continues to be on the feasibility of concepts for electric-vehicle applications, such as carsharing, resulting in additional contributions towards climate and environmental protection by promoting more sustainable urban mobility patterns.

Imprint

Published by: Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB)

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E-Mail: KI117@bmub.bund.de · Internet: www.bmub.bund.de

Design: MediaCompany – Agentur für Kommunikation GmbH

Photo credits: Daniel Bongart, Centre for Urban Equity,

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Date: November 2015

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