

EcoLogistics

Low carbon freight for sustainable cities

Supported by:



based on a decision of the German Bundestag



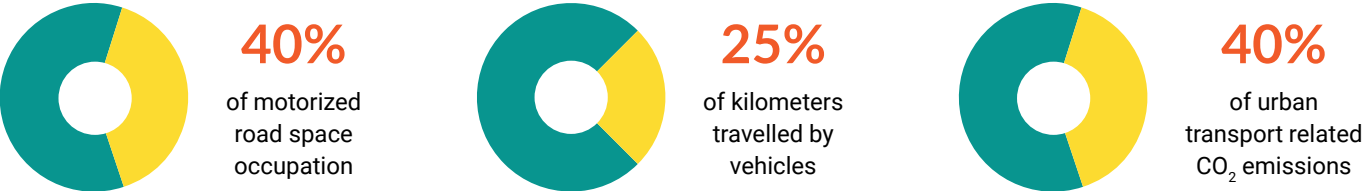
Introduction

Urban freight and logistics looks at the movement of goods made by light or heavy vehicles, as well as non-motorized transportation modes such as cargo bikes and rickshaws. It can be linked to different market sectors such as retail, waste, construction, road services, hotel, restaurant and catering industry, as well as express courier and post. Globally, transport accounts for 23 percent of total GHG emissions, of which 40 percent is contributed by freight transport. Heavy freight vehicles are also one of the world's major sources of PM_{2.5} emissions, impacting urban life both directly and indirectly.

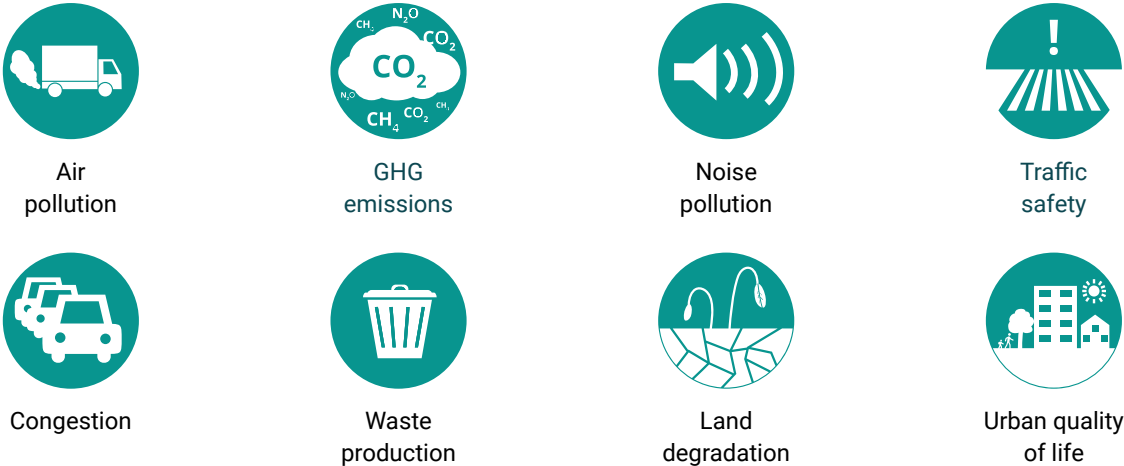
EcoLogistics promotes transportation of goods by giving priority to health, safety, people-centered urban development and low emissions, while also encouraging circular and regional economies to limit the growth of freight transport.

ICLEI's EcoLogistics project (2017-2021) is supported by the German Federal Ministry of the Environment, Nature Conservation and Nuclear Safety (BMU) through their International Climate Initiative (IKI). The project aims to capacitate governmental and non-governmental actors to build strategies and policies to promote low carbon and more sustainable urban freight in project cities in Argentina, Colombia and India.

GLOBALLY URBAN FREIGHT REPRESENTS UP TO (WORLD ESTIMATE)



URBAN FREIGHT IMPACTS

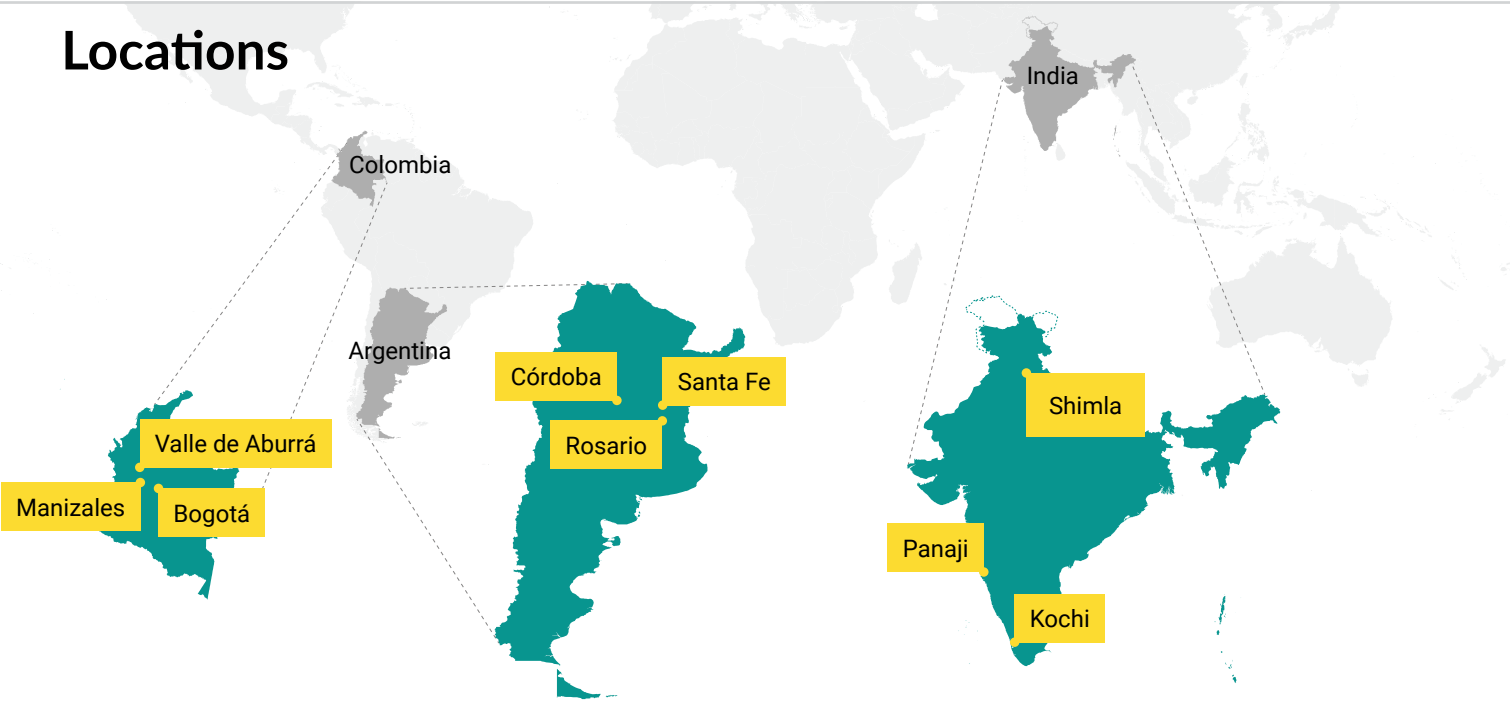


230% Freight transport volume is projected to increase this much between 2015 and 2050.

Project scope

The EcoLogistics project takes place in nine cities located within three countries which have selected urban freight as a priority in order to attain their National Determined Contribution (NDC) targets: Colombia, Argentina and India.

Locations



Timeframe





Outcomes



KNOWLEDGE PRODUCTS

- Comprehensive city profiles on urban freight
- Project experience documented in a “EcoLogistics Handbook” and disseminated globally



TOOLS, PLANS & POLICIES

- Self-monitoring tool to measure the existing performance of urban freight emissions
- Low Carbon Action Plan for Urban Freight (LCAP-UF) for all project cities
- National EcoLogistics Policy Recommendations (NELPR) for each country



DEMONSTRATION PROJECTS

Activities



CONSULTATION & CAPACITY DEVELOPMENT

- Establishing a multi-stakeholder working group in each project city comprising all key actors from the freight sector
- Delivering capacity building workshops in each country with relevant stakeholders



PROJECT SCENARIOS

- Setting a GHG emission baseline for urban freight for each project city
- Establishing urban freight targets for each project city
- Creating project scenarios for future implementation of mitigation measures in urban freight



OUTREACH

- International reporting of project cities on urban freight emissions in the carbonn Climate Registry (cCR)
- Sharing project results at national and international events e.g. COP 2020, international transport forums

Country profile

ARGENTINA Córdoba / Rosario / Santa Fe



Population (2017) 44.2 million inhabitants

GDP (2017) US\$ 637.6 billion

National Determined Contribution (NDC) An absolute emission target of less than 483 million-tons CO₂e by 2030

Freight modal share  94%  5%  1%

COLOMBIA Bogotá / Manizales / Valle de Aburrá



Population (2018) 45.5 million inhabitants

GDP (2017) US\$ 832.59 billion

National Determined Contribution (NDC) 20% (unconditional) / 30% (conditional) below Business-as-Usual scenario by 2030

Freight modal share (2013)  77.5%  19%  2%  1.5%

INDIA Kochi / Panaji / Shimla



Population (2017) 1,330 million inhabitants

GDP (2017) US\$ 2.85 trillion

National Determined Contribution (NDC) Reduce emissions intensity of GDP by 33-35% by 2030 from 2005 levels

Freight modal share  59%  34%  6%  1%

EcoLogistics team

The EcoLogistics project is managed by ICLEI's World Secretariat in Bonn, Germany. The WS team collaborates with ICLEI's regional offices in South Asia and South America to exchange with cities and organize local activities in each of the project locations. The team also relies on a few partners for the more technical and practical aspects of the project, such as the creation of tools and the organization of workshops. These partners include the Zaragoza Logistics Center (Spain), the Smart Freight Centre (Netherlands), and Despacio (Colombia).

For more information on the EcoLogistics project, please join us at ecologistics@iclei.org.

ICLEI

ICLEI World Secretariat

ICLEI South America Secretariat

ICLEI South Asia Secretariat

OUR PARTNERS

Despacio

Despacio is a research center and non-profit organization based in Bogotá, Colombia. Its mission is to promote quality of life in cities and all stages of the life cycle through applied research in projects, publications, events and an urban laboratory. Its philosophy is similar to that of the "Slow Movement" and seeks to improve the well-being of communities and individuals from the most personal and family aspects (like eating, moving and raising children) to the most collective one (planning and managing human-scale and sustainable cities).

Smart Freight Centre

Smart Freight Centre is a global non-profit organization dedicated to an efficient and zero-emissions freight sector. SFC works with the global logistics community to drive transparency and industry action – contributing to Paris Climate Agreement targets and Sustainable Development Goals.

MIT - Zaragoza Logistics Center

Zaragoza Logistics Center (ZLC) is a research institute established by the Government of Aragon in Spain in partnership with the Massachusetts Institute of Technology and the University of Zaragoza. ZLC's mission is to create an international center of excellence for research and education in logistics and supply chain management that actively engages with industry and the public sector to develop and disseminate knowledge.





“Our participation in EcoLogistics will first put health issues at the center of the agenda; secondly, the issue of air quality, which is a central axis of our integral PIGECA plan; thirdly, ways to mobilize the issue of cargo transportation in our territory.”

Pablo Maturana, Deputy Director of Cooperation and Partnerships for the Área Metropolitana del Valle de Aburrá and ICLEI Colombia representative



“Rosario represents an important logistics center because it is a port region, mainly for grain production, so the dynamics and metropolitan vision is very important for us, especially in relation to the transportation of grains arriving at our port.”

Maria Cecilia Alvarez, Undersecretary of Environment for the Municipality of Rosario



PARTNERS

IKI EcoLogistics is a project implemented by ICLEI - Local Governments for Sustainability. The ICLEI World Secretariat is responsible for project management and coordination. ICLEI South America Secretariat and ICLEI South Asia Secretariat are the implementing partners. Despacio, the Smart Freight Centre and the Zaragoza Logistics Center are technical partners for this project.

CONTACTS

ICLEI - Local Governments for Sustainability e.V.
Kaiser-Friedrich-Strasse 7, 53113 Bonn, Germany
www.iclei.org

tel.: +49 (0)228 / 976 299 00
fax: +49 (0)228 / 976 299 01
e-mail: ecologistics@iclei.org

This publication should be cited as **ICLEI - Local Governments for Sustainability, 2019. EcoLogistics - Brochure. Bonn, Germany.**

Published by ICLEI - Local Governments for Sustainability e.V. ©2019 - All rights reserved.

Supported by:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



based on a decision of the German Bundestag

