



WORLD  
RESOURCES  
INSTITUTE

# FROM RIO TO NEW YORK

*Cities and Climate Commitments*

HOLGER DALMANN, ACTING DIRECTOR, CITIES & TRANSPORT, WORLD RESOURCES INSTITUTE (WRI)



# WHY CITIES NOW?



PHOTO: EMBARQ TURKEY



# THE URBAN CHALLENGE: AIR POLLUTION



PHOTO: REUTERS



# THE URBAN OPPORTUNITY: DRIVERS OF GROWTH

**60%**

global GDP  
generated by top  
600 cities by 2025

**65%**

global GDP  
growth in  
major cities



# THE AVOID, SHIFT, IMPROVE FRAMEWORK

WRI prioritizes solutions that “**avoid**” motorized travel and “**shift**” to more efficient modes, rather than ones which “**improve**” the efficiency of existing projects and technologies.

This approach **addresses the long-term root** of problems rather than marginally improving the status quo.



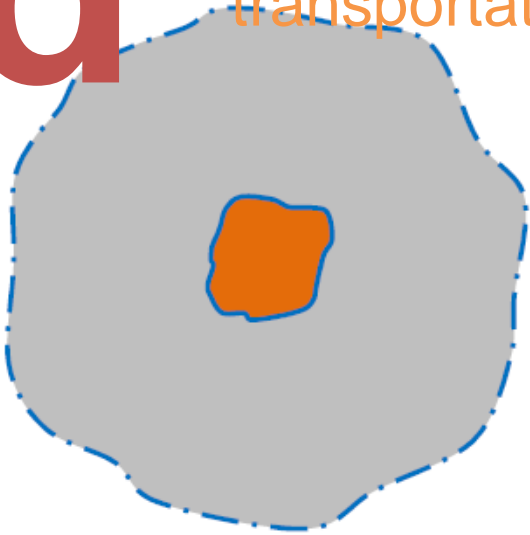
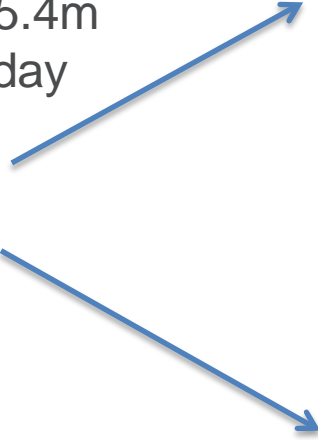
# Avoid

Avoiding or reducing trips through the integration of land use and transportation planning

## Today

Ahmedabad, India

Population: 5.4m  
Trips: 5.6m/day



## Year 2041

Population: 13.2m  
Trips: 39.8m/day



## Automobility

**Area:** 6,484 sq. km  
**Emissions:** 12.32m tCO<sub>2</sub>/yr  
**Traffic Fatalities:** 5,232/yr

- Same population
- Same number of trips
- Very different outcomes

## Sustainable Transport

**Area:** 50% reduction  
**Emissions:** 84% reduction  
**Traffic Fatalities:** 74% reduction

A blue and white articulated bus is driving on a road. The destination sign on the front of the bus reads "ALVORADA". The bus is moving from left to right. In the background, there is a modern building and some greenery. The sky is blue with some light clouds. The overall scene is bright and clear.

# Shift

Shift to more environmentally friendly modes, such as public transport, walking and bicycling, or preserving the current modal share of latter modes, particularly in developing countries

A close-up photograph of mechanical components, likely from a vehicle or industrial equipment. The image features several circular gauges with white faces and black markings, mounted on metal pipes. A prominent black valve handle with a four-lobed shape is visible on the right side. The background is blurred, showing more of the machinery and some green elements. The overall lighting is bright, highlighting the metallic surfaces and the details of the gauges.

# Improve

Improving vehicle and fuel technology of all modes of transport to improve the environmental efficiency from each kilometer travelled



# THE ROLE OF GLOBAL PARTNERSHIPS



# SLOCAT MEMBERS

Africa Transport Policy Program (SSATP)  
African Community Access Programme (AFCAP)  
African Development Bank (AfDB)  
Alliance to Save Energy (ASE)  
Asian Development Bank (ADB)  
CAF-Development Bank of Latin America  
Cambridge Systematics  
Center for Clean Air Policy (CCAP)  
Center for Science and Environment (CSE)  
Center for Sustainable Transport (CTS) Mexico  
Center for Transportation and Logistics Studies (PUSTRAL), Gadjah Mada University  
Centre for Environment Planning & Technology (CEPT), Ahmedabad  
China Urban Transport Research Center (CUSTReC)  
Civic Exchange (CE)  
Clean Air Asia  
Clean Air Institute (CAI)  
Climate Focus  
CODATU  
Despacio  
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)  
Dutch Cycling Embassy  
Ecofys  
EMBARQ, The WRI Center for Sustainable Transport  
Energy Research Center Netherlands (ECN)  
European Bank for Reconstruction and Development (EBRD)  
European Cyclists' Federation (ECF)  
European Institute for Sustainable Transport (EURIST)  
Fia Foundation

# 85

First African Bicycle Information Organization (FABIO)  
Fraunhofer-Institute for Systems and Innovation Research (ISI)  
Global Environmental Facility (GEF)  
Global Transport Knowledge Partnership (gTKP)  
Global Urban Development (GUD)  
Green Mobility Brazil (GMB)  
HealthBridge  
HSBC

Innovation Center for Energy and Transportation (iCET)

**Members forming the**

**Partnership on**

**Sustainable Low Carbon**  
**Transport (SLoCaT)**

Institute for Transportation and Development Policy (ITDP), Leeds, UK  
Institute for Transportation and Development Policy (ITDP)  
Institute of Urban Transport India (IUTI)  
International Association for Public Transport (UITP)  
International Energy Agency (IEA)  
International Road Assessment Programme (iRAP)  
International Road Federation (IRF)  
International Transport Forum (ITF)  
International Union for the Conservation of Nature (IUCN)  
International Union of Railways (UIC)  
Korean Transport Institute (KOTI)  
Ministry of Land Infrastructure Transport and Tourism, Japan (MLIT)  
Mobility Magazine  
National Center for Transportation Studies (NCTS), Philippines  
Nordic Development Fund (NDF)  
Renewable Energy and Energy Efficiency Partnership (REEEP)

Rockefeller Foundation  
Society of Indian Automotive Manufacturers (SIAM)  
Stockholm Environment Institute (SEI)  
Tehran Urban and Suburban Railway operation Company (TUSROC)  
The Energy and Resources Institute (TERI)  
Transport and Environment (T+E)  
Transport Research Laboratory (TRL)  
Uganda Road Sector Support Initiative (URSSI)  
UNIFE (The European Rail Industry)  
United Nations Center for Regional Development (UNCRD)  
United Nations Department for Economic and Social Affairs (UN-DESA)  
United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)  
United Nations Economic Commission for Europe (UNECE)  
United Nations Environment Program (UNEP)  
United Nations Human Settlements Programme (UN-HABITAT)  
University College London (UCL), Department of Civil, Environmental and Geomatic Engineering  
University of California, Davis, Institute of Transportation Studies (ITS)  
University of Transport and Communication (UTCC) Hanoi  
University of Twente/ITC Department of Urban and Regional Planning (ITC)  
VEOLIA Transport  
Victoria Transport Policy Institute  
Volvo Research and Education Foundations (VREF)  
Walk 21  
World Bank  
World Health Organization (WHO)  
World Streets/New Mobility Consult  
Wuppertal Institute for Climate, Environment and Energy  
WWF International  
YOURS - Youth for Road Safety

# RIO+20 COMMITMENTS

- Financing
- Policies
- Capacity Development
- Knowledge



# FINANCING

- **Commitment by 8** Multilateral Development Banks (AfDB, ADB, CAF, EBRD, EIB, IDB, IsDB, and WB)
- Significant level of **financial support** over the next 10 years, from MDBs but also others to help develop sustainable transport and **leverage domestic and private sector financing**
- **Annual reporting** on sustainable transport related lending in coordination with SLoCaT

# POLICIES

- Intergovernmental EST policy forums in Asia, Africa and Latin America led by UNCRD with inputs from several other SLoCaT members
- Promote global standards on e.g. fuel economy and fuel quality
- Public transport and rail sector goals and objectives
- Policy concepts on financing arrangements, road safety and urban planning



# CAPACITY DEVELOPMENT

- Development and implementation of **training**: general sustainable transport, specialized areas such as cycling, road safety
- **Hands-on work with cities** to strengthen their capacities to develop policies and projects and successfully implement these



# KNOWLEDGE

- Create new knowledge
- Development of **tools and guidelines** to facilitate scaling up of sustainable transport projects and practices: BRT, Cycling, Freight, Road Safety
- Improve **access to information**



# RIO+20 COMMITMENTS: UPDATE

- \$175 billion Voluntary Commitment is on track
- \$17 billion approved in 2012
- MDB “Working Group on Sustainable Transport” established
- MDBs reporting on progress
  
- 0.85 billion hours of travel time saved
- 4.5 billion person-trips served
- 2.2 million tons of CO2 emissions avoided
- 1,062 lives saved



# FROM RIO TO NEW YORK

An aerial photograph of New York City, showing Central Park in the foreground and the dense city skyline in the background. The park is lush green with trees and a winding path. The city buildings are tall and varied in color, with some prominent skyscrapers. The sky is clear and blue.

- Promote the integration of sustainable transport in the post 2015 goal framework
- Build an enabling global institutional framework for sustainable transport
- Increase catalytic role

# CLIMATE SUMMIT 2014



**CLIMATE  
SUMMIT 2014**  

---

**CATALYZING ACTION**

A great opportunity, more action needed

# A VISION

- Compact of Mayors – report and action
- Multi-laterals – continue commitment and add to other urban infrastructure
- National governments – financial commitment
- Civil society?

# FRAMEWORK: CREATING UNIVERSAL ACCESS TO SAFE, CLEAN AND AFFORDABLE TRANSPORT



## MORE INFORMATION, NEXT STEPS

- Holger Dalkmann, [hdalkmann@wri.org](mailto:hdalkmann@wri.org)
- [EMBARQ.org](http://EMBARQ.org), [WRI.org](http://WRI.org)
  
- Questions? Comments? Contact us at [embarq@wri.org](mailto:embarq@wri.org)
- Follow us on Twitter: [@EMBARQnetwork](https://twitter.com/EMBARQnetwork)