Shifting to sustainable transport systems: The LEDS GP Transport Working Group in 2018

Speakers

- Angela Enriquez, Associate, World Resources Institute Ross Center for Sustainable Cities and Transport Working Group lead
- Laura Camila Cruz, Sustentar
- Avantika Arjuna, ICLEI South Asia
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Agenda

- Welcome remarks
- Introduction and overview of LEDS GP
  - *Angela Enriquez, Transport Working Group*
- Transport Working Group’s 2018 activities in Latin America and the Caribbean
  - *Laura Camila Cruz, Sustentar*
- Transport Working Group’s 2018 activities in Asia
  - *Avantika Arjuna, ICLEI South Asia*
- How to use the LEDS Transport Toolkit
  - *Angela Enriquez, Transport Working Group*
- Q&A
- Poll
Key transport facts

- 23 percent of global emissions
- 75 percent of NDCs mention transport as a mitigation source

To meet the 2-degree scenario, targets and ambition for transport needs to increase.
LEDS Transport Working Group

Leaders

- WRI Ross Center for Sustainable Cities; United States National Renewable Energy Laboratory (NREL); United Nations Environment Programme (UNEP), ICLEI, Libelula

Global approach

- LEDS Transport Toolkit (ledsgp.org/transportation-toolkit)
- Webinars
- Global events and training

Regional approach

- Workshops that serve the specific needs of that region
- Matchmakers for knowledge sharing

Local approach

- Deep dive, in-country support for governments on specific transport issues and policies
  - Workshops with peer experts
  - Technical assistance
- Remote Expert Assistance on LEDS (REAL)

Transport Working Group

Globally, the transport sector is responsible today for approximately 22% of total energy-related carbon dioxide emissions, and its emissions are increasing at a rate faster than that of any other sector. With countries and cities facing a growing need for transport services over the coming decades, governments have a unique opportunity to meet this demand, stabilize economic growth while limiting greenhouse gas emissions through the implementation of cooperative policies, behavioral change, and adoption of energy efficient technologies.

The Low Emission Development Strategies Global Partnership (LEDS GP) Transport Working Group is building a LEDS transport community, supporting champions and innovations, creating networks of experts on low emission transport, and exploring opportunities for collaboration at local and regional levels.

Priority areas:

- Communities of practice: bringing together key stakeholders to advance specific transport measures. Communities of practice in Asia and Latin America and the Caribbean are exploring, such as energy efficiency, tax policy standards, electrification of the transport sector, and national and subnational action on transport-related NDCs.

- Disseminating key resources: sharing best practices, case studies, and tools to support countries in planning and implementation of measures in the transport sector. The LEDS Transport Toolkit supports development and implementation of national and subnational transport plans.

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- Workshops with peer experts
  - Technical assistance
- Remote Expert Assistance on LEDS (REAL)
Regional LEDS TWG Partners:

LAC: Sustentar

Asia: ICLEI
Avoid-Shift-Improve framework

**Problem Definition:**

**Core Objective:**

Excessive emissions from transport activities
Mitigation from transport (and co-benefits)

**Methodological Framework:**

$\text{GHG} = \text{Activity} \times \text{modal Share} \times \text{energy Intensity} \times \text{carbon intensity of Fuel}$

**Avoid**

- Avoid travel
- Reduce travel

**Shift**

- Promote modal shift from individual motorised transport to NMT or PT

**Improve**

- Improve fuels
- Improve vehicle efficiency

**Systematic Mapping:**

**Policy Instruments:**

- Examples of Specific Transport Measures:
  - Planning
  - Regulatory
  - Economic
  - Information
  - Technology

- Outcome:
  - Reduced carbon emissions from transport systems
No-cost expert assistance and customized solutions for members

Peer learning and knowledge sharing
• Network of global and regional more than 800 experts
• Communities of practice

Tools
• LEDS Transport Toolkit
• Leadership explorer

Technical assistance
• Remote Expert Assistance on LEDS (REAL)
• Deep-dive, in-country support
Sample of LEDS GP Transport Working Group capacity building activities
Regional peer exchange

In partnership with GIZ and APEC

Objective: To provide capacity building on operational and energy efficiency of urban bus systems

Regional knowledge exchange in:
The Philippines; Viet Nam; Thailand; Papua New Guinea; Mexico
Philippines: Training series package

Leads: UNEP, Clean Air Asia
Partnership: Philippines DENR, LEDS Transport WG

Objective: To support the implementation and advancement of fuel quality standards and vehicle emission policies in South East Asia

Capacity building activities: Webinar series, workshop
Webinar topics:

- Improving air quality and reducing climate impacts from the transport sector
- Fuels and technologies to mitigate emissions
- Roadmap for implementing new fuel economy standards: Case of Mexico
- Using better quality fuel to mitigate vehicle emissions: Case of Mauritius
Peru: Reducing transport's contributions to greenhouse gas emissions

Objective

Assist Peru with building capacity to lay the foundation for a comprehensive, robust and streamlined approach to climate change mitigation in the transport sector.

Capacity building activities

- Coordinating with partners: GIZ, US EPA
- Remote expert assistance
- Peer-to-peer workshops with experts from Colombia and Mexico
Peru: Reducing transport's contributions to greenhouse gas emissions

Results

• Transport in national climate action plan
• Peruvian Transport NAMA
• INFOCARBONO: First law addressing climate change
• Peru’s Ministry of Transport (MTC) formed an internal climate change working group
REAL: Peer exchange with South Sudan and Bhutan

Request
South Sudan’s Ministry of Transport requested information on country examples of transport policy development and, in particular:

- How the national government developed their most recent transport policy;
- Which stakeholders were involved; and
- What partners are supporting the implementation of the policy?

Activities
- Prepared case studies: Uganda and Bhutan
- Setting up a call between Bhutan and South Sudan

To learn more about the REAL service: ledsgp.org/assistance
New and improved Leadership Explorer

..a platform to catalyze peer learning by showcasing cases of LEDS leadership and innovation..

Case study breakdown

Transport: Case studies from 22 countries and several more to be added in 2018!

E.g. (1) Chile’s [Transport Green Zone in Santiago](#)

E.g. (2) Columbia’s [Designing a vertically-integrated, transit oriented development NAMA](#)

Showcases case studies for the following themes:

- Energy
- Transport
- Agriculture, Forestry and Other Land use
- Benefits of LEDS
- Finance
- Subnational integration
- Waste management

Want to nominate a leading or innovative case study for the Explorer?

Email: secretariat@ledsgp.org
2018 Work Plan

Overarching topic

Supporting the design and implementation of national and subnational urban transport action to align with NDCs.

Work streams

Climate change actions for transport

- Process to align policies with NDCs
- GHG inventory
- Monitoring, Reporting, Verification
- Target setting
- Vertical integration and coordinated national and sub-national policies
- Benefits and impacts assessment

Transitioning to clean mobility

- Energy efficiency and fuel economy standards
- Designing and implementing clean public transport systems
- Policies for regulating facilitating clean mobility
- Private sector investment on EV and infrastructure
2018 Approach

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In-Country Technical Support

Deep Dive Support

Remote Expert Assistance on LEDS (REAL)
Regional priority topics: Communities of practice

LAC region

Addressing financial, market-related and technology-transfer-related barriers to implementing electric mobility in the region

Asia region

Designing and implementing low-carbon urban transport actions oriented towards strengthening clean public transport planning and policy initiatives
LEDS LAC Transport Community of Practice: Electric Mobility

Laura Cruz, Sustentar
The EM CoP is intended to be an interactive network to address real-time policy, financing and technical barriers and solutions related to electric mobility in Latin America and the Caribbean.

**Members to include:**

- national and subnational governments
- technical institutions
- academia
- private companies
- not-for-profits
- other international organizations.
Offerings under Electric Mobility CoP

- Stakeholder mapping
- Training and peer exchange
- Webinars
- Online peer exchange sessions
- Workshops
- Early mover projects
- Regional events
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<td><strong>1. Transport Community of Practice (CoP) in LAC: Electric Mobility</strong></td>
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<td>2. Stakeholder mapping</td>
<td>April</td>
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<td>3. Training and Peer-Exchange</td>
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<td>4. Early mover projects</td>
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<td>4. Knowledge dissemination</td>
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<td><strong>Call for proposals</strong></td>
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<td>Stakeholder mapping</td>
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<td>Survey of barriers to electric mobility</td>
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<td><strong>Moderated discussion 1:</strong> establishment of the Community of Practice</td>
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<td>1: sharing of results of barriers and interests and discussion on planned</td>
<td>Case study 1 May</td>
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<td><strong>First coaching session</strong></td>
<td>July</td>
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<td><strong>Coach city selection</strong></td>
<td>May</td>
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<td>Selection of cities that would benefit from coaching</td>
<td>June</td>
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<td><strong>Second coaching session</strong></td>
<td>August</td>
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<td><strong>Moderated discussion 2:</strong> Barriers and solutions</td>
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<td><strong>Webinar to full LEDS LAC community</strong></td>
<td>October</td>
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<td><strong>Third coaching session</strong></td>
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<td><strong>In-person expert workshop</strong></td>
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<td><strong>Moderated discussion 3:</strong> Barriers and solutions</td>
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<td><strong>Summary report to disseminate learning</strong></td>
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LEDS Asia Transport
Community of Practice:
Clean Mobility

Avantika Arjun,
ICLEI South Asia
The need for the Clean Mobility community of practice

- The CoP will address Clean Mobility and resilience in transport, which has been identified as one of the priority topics for Asia’s transport sector.
- Bring in expert reviews and advice to address the shortcomings in the requirements of low emission development strategies. Implementation of effective policies, peer to peer collaboration would facilitate the above action.

Participants

- National and subnational governments and technical institutes, regulators, system operators, technical institutions, businesses, non profit and other international organizations addressing real time policy.
- Transport sector experts from ADB (Manila), GIZ (Indonesia, other regional office), CAI (Manila) etc. (expert members)
- Expert facilitators from the LEDS Global Partnership and Transport Working Group
- Asia LEDS Partnership
Offerings under Clean Mobility CoP

- Continuous engagement and interactions with decision makers of the countries which also have clean mobility as a priority topic.
- A platform to participate in online seminars, in-person meetings and seminars, training programs on clean mobility and its related avenues such as clean fuel alternatives, electric PT fleets, and improvement of operational efficiencies.

CoP members will benefit from participation in online and in-person exchange meetings, seminars and trainings with other peers working on efficient and cleaner mobility, including subtopics such as:

- clean fuels
- electric mobility technology
- supporting infrastructure creation
- policy and regulatory regime and private sector involvement
- institutional frameworks
- involving the private sector.
Specific performance goals for 2018

- At least 2 countries have **documented improvements** in their policies, analytic and planning approaches in transport sector
- At least 12 CoP participants have **identified enhancements** in knowledge and technical and analytic capacity
- At least 1 success story on the **impacts of the ALP** has been developed
- At least 1 **case study** on the **deep dive support** to early mover country has been developed
- At least 1 issue brief on the **learning** from CoP has been developed
Anticipated activity flow for Clean Mobility CoP

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<th>Activities</th>
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<td>Float <strong>EOI</strong> to recruit member participants</td>
<td>March 2018</td>
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<td><strong>Constitute</strong> Asia LEDS CoP</td>
<td>April 2018</td>
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<td>Select <strong>2 front runner member</strong> countries for deep engagement</td>
<td>July 2018</td>
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<tr>
<td>Initiate <strong>3 online</strong> focused discussions/seminars/trainings</td>
<td>April 2018 to December 2018</td>
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<td>Develop and share <strong>one issue brief</strong> and <strong>case study</strong></td>
<td>September 2018</td>
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<td>Deep dive engagement and proposal for <strong>high impact</strong> quick win</td>
<td>June 2019</td>
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<td>Country specific <strong>technical assistance</strong> and <strong>handholding</strong> support to two early mover Countries</td>
<td>Until June 2019</td>
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Transport Toolkit

The Low Emission Transport Toolkit supports development planners, technical experts, and decision-makers at national and local levels to plan and implement low emission transport systems that support economic growth. This toolkit helps users navigate a variety of resources to identify the most effective tools to build and implement low emission development strategies (LEDS) for the transport sector.

Globally, the transport sector is responsible today for approximately 23% of total energy-related carbon dioxide emissions, and its emissions are increasing at a rate faster than that of any other sector. With countries and cities facing a rising need for transport services over the coming decades, governments have a unique opportunity to meet this demand and enable economic growth while minimizing greenhouse gas emissions through the implementation of comprehensive policies, behavioral change, and adoption of energy efficient technologies for the transport sector.
For more information

Links

• The LEDS GP Transport Working Group website
• The LEDS Transport Toolkit

Contact us: transport@ledsgp.org

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Avantika Arjuna (avantika.arjuna@iclei.org)
Join us!

• Build your technical expertise through peer exchange and training…

• Access pro bono technical assistance on LEDS (for developing country governments)…

• Contact LEDS donors and project developers…

Go to ledsgp.org/join/