Scaled-up Sustainable Transport in support of the Paris Agreement on Climate Change and the 2030 Agenda on Sustainable Development

Cornie Huizenga - Partnership on Sustainable, Low Carbon Transport
Patrick Oliva – Michelin Challenge Bibendum

“PPMC Stakeholder Meeting”
May 17th 2016
Leipzig, Indonesia
Agenda Stakeholder Meeting

• 15.00 – 15.30  Registration and networking
• 15.30 – 15.45  Welcome Remarks
• 15.45 – 16.00  Short report on the Informal EU Transport Council (April, Amsterdam) and the Climate Action 2016 Summit (May, Washington DC)
• 16.00 – 16.30  PPMC 2016 Theory of Change: Common Framework on Transport, Sustainable Development and Climate Change, Macro Road Map to Decarbonize the Transport Sector and Quick Wins on Sustainable Development and Climate Change
• 16.30 – 17.30  Discussion: Common Framework on Transport, Sustainable Development and Climate Change, Macro Road Map to Decarbonize the Transport Sector, Quick Wins on Sustainable Development and Climate Change
• 17.30 – 18.00  ITF Project on the De-carbonization of the Transport Sector
• 18.00 – 18.30  Presentation and Discussion: post-ITF PPMC 2016 activities
4 Key Global Processes targeted by SLoCaT and PPMC in 2016

- Implementation of Paris Agreement on Climate Change
- Implementation of 2030 Sustainable Development Agenda (SDGs)
- Habitat III
- 14th United Nations Conference on Trade and Development
SLoCaT/PPMC and Global Processes on Transport

**Sustainable Development**

$175,000,000,000
For More Sustainable Transport

**Climate Change**

SG High Level Advisory Group on Sustainable Transport

**Habitat III**

SLoCaT Key Messages on Sustainable Transport

Quito Action Plan on Sustainable Urban Transport

**Trade and Development**

UNCTAD – SLoCaT Ministerial Round Table on Sustainable Transport

UNCTAD Expert Group on Sustainable Transport
Summary - SLoCaT Follow-up

- **Build Consensus** on Common Framework + Tracking Framework, Global Road Map and Quick Wins
- **Get Buy in** from all key stakeholders, including national and local government and private sector
- **Develop medium term strategy** to mobilize action in support of NDCs, LPAA, Habitat III and UNCTAD 14
- **Governance**: strengthen and expand existing coalitions on sustainable transport, where helpful create new institutional arrangements
Moving Sustainable Transport forward in 2016

Develop a Global Narrative on Sustainable, Low Carbon Transport that supports short – medium and long term action

- **Common Framework** setting out Goals on Transport, Sustainable Development and Climate Change

- **Global Roadmap** to decarbonize transport sector

- **Quick Win Actions** to encourage short term action to kick start the transformation of the transport sector
4 Possible Goals to shape global Transport Narrative

**ACCESS FOR ALL**
Secure access for all to economic and social opportunities

**SAFETY**
Improve the safety of mobility (SDG target 3.6 on road safety)

**EFFICIENCY**
Increase the efficiency of transport systems and services

**CLIMATE RESPECT**
Embed mitigation, adaptation and environmental concerns into supply as well as demand side

Differentiated pathways to realize goals for developed and developing countries
A **global tracking framework (GTF)** to measure progress towards the four goals, **using country-level indicators.**

Progress on each goal tracked using one principal, two additional, and other supporting indicators.

This GTF to be supported by a **partnership** to develop, collect, and analyze data and indicators.
Road Map for Decarbonizing the Transport Sector in the Context of Sustainable Development

Roadmap for a ‘zero net emission’ economy early in the second part of the century, to secure a ‘well below 2°C’ climate target called for in Paris Agreement.
Focus on synergistic urban transformation
Leverage aspiration for healthier, inclusive lifestyles to drive de-carbonization

Suggestions:
- Develop joint SUMP/ULEC approach
- Work with Covenant of Mayors

Modal Shift
- More walking & cycling high service quality, connected, seamless mass transit solutions (dedicated lanes + rail promotion in dense habitat areas)

Technology
- ITS development and hydrocarbon (fossil or bio) combustion reduction (more electric powertrains)

Redesign
- Inner city community planning & last mile freight delivery optimization

Finance
- New business models & PPP promotion

• Expand ULEZ concept (e.g. London) to include GHG emissions
• Move towards ultra-low emission cities (ULEC), before moving to zero transport emission ZEZ/ZEC.
• Realize efficient and effective market for new services and technologies.
  • Maintain local mandate for urban transport policies
A three-pronged low-carbon energy strategy

- In addition to low-carbon electricity, sustainable bio-fuel & hydrogen industries are indispensable by 2025/2030 at the latest to significantly start de-carbonizing transport.
  - An exhaustive low-carbon energy plan is a must for the world.

**Renewables**
Essential for low-carbon & decentralized electricity generation

**Batteries**
Battery industry must be strengthened for secured supply

**Bio-hydrocarbons**
Sustainable bio-kerosene (aviation) & other bio-fuels are required (road, rail, boats) for internal combustion engines

**Hydrogen**
Low-carbon hydrogen industry indispensable for transition to electric powertrains, (in addition to battery, supercaps, and power electronics industries).
Orchestrate modal and system efficiency improvement

- Post 2020 emission standards trajectories must extend to 2050, at minimum.
- Encourage co-modality and modal shift to most efficient solutions, based on evidence of performance improvement.
- Optimize the whole multi-modal system as this is perhaps where transport policy can have the greatest impact.
Engineer financial & regulatory tools to support low-carbon solutions

Launch reflection on targeted financial and regulatory tools (externality pricing, fiscal incentives to rapid investment in long-term low-carbon solutions, standards, level playing field and risk cover measures...).

Support an accelerated transport de-carbonization through global standards & technology transfers.
Complementary Strategies

Supply chain redesign + modal shift
- 20% km optimization?
- 10% shift?

Circular economy and industry 4.0 schemes will help re-design supply chains (local & long haul). A public/private workstream on this issue must be launched without delay.

Less unwanted travel through Smart Working
- Reduced Congestion
- 50% less commuting kms?

Side impacts of mode sharing, teleworking from shared remote offices ... on behaviors and the economy may be hugely positive. Strong action in this area must be coordinated, once again, to create business opportunities.

Rural planning
- E-Charging (individual or collective) accessible to
- 50% of the rural population?
- 50% supplied by bio-fuels?

Infrastructure planning should in particular take into consideration that decentralized electricity or renewable energy generation is favored in rural areas, with potential considerable benefits. Car sharing to be widely promoted.

Adaptation + offsetting strategy

By 2050/2080, the temperature will have increased and the transport sector will not be 'zero-emission'. From now on:
1/ strengthen efforts in adaptation and make our economy more climate-resilient
2/ start imagining and implementing EU-wide, large scale offsetting solutions (unless other sectors become GHG positive enough to counterbalance mobility/transport externalities, which is doubtful).
Quick Win Actions

Common Framework 2016 - 2030

Quick Win Actions 2016 - 2020

Global Road map for decarbonizing transport sector 2016 - 2050/2080

Criteria for Quick Win Actions:

- Can be implemented in period 2016 - 2020
- Substantial sustainable development and climate change benefits
- Tested at scale
- Replicable across regions
- Contributes to long term transformation
- Cost effective – positive economic returns
- Spurs action in passenger and freight transport

Criteria:

- Accelerate global phase-out of fossil fuel subsidies
- Tighten fuel economy standards
- Sustainable Urban Mobility Planning
- Sustainable freight recognition schemes
Quick Win Processs

Inputs from:
- SLoCaT members
- Targeted invitations

Initial analysis:
- Climate Impact
- Sustainable Dev. Impact
- Scalability
- Replicability
- Sellability

Detailed analysis 20 candidate Quick Wins

Detailed assessment:
- Alignment with goals on: access, efficiency, safety and climate
- Alignment with SDG transport targets, Habitat 3 and NDCs
- Policy, capacity and Finance barriers

Stakeholder Consultation

Present and Get Buy-in

March – May ‘16

May – December ‘16

Quick Win Process