Adaptation in the Transport Sector

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Mission: Integrate Sustainable Transport in Global Policies on Sustainable Development and Climate Change

90+ Members: International Organizations – Governments – Development Banks – NGOs – Private Sector – Academe

Diamond Supporters

Platinum Supporters

Gold Supporters
COP22 Declaration on Accelerated Action on Adaptation in Transport

• Signed by 395 individuals and by 55 organizations including:
  • World Bank
  • International Energy Agency
  • Global Environment Facility
  • Islamic Development Bank
  • International Road Federation
  • PIANC
  • International Union of Railways
  • UN-ECE
  • Nordic Development Fund
  • International Association of Public Transport

Read more about it here: http://www.slocat.net/news/1780
2017 Activities by SLoCaT on Adaptation

• Overview of Transport and Adaptation in UNFCCC Processes:
  – Transport Adaptation as part of NAPs and NAPAs;
  – Transport Adaptation as part of Climate Finance;
  – Transport Adaptation as part of NDCs;

• Tools related to Transport Adaptation

• Adaptation as part of Global Macro Roadmap – Actionable Vision on Transport’s Decarbonization

• Transport as part of the Netherlands funded Global Center of Excellence on Adaptation to Climate Change

• Possible Leadership Forum on Transport Adaptation.
NAPs and NAPA Analysis

• Analysis of 80 national plans on adaptation:
  – all 51 NAPAs received by UNFCCC;
  – all 7 NAPs submitted to UNFCCC NAP Central;
  – 22 other national climate change adaptation plans

• 41% include adaptation measures on transport

• Strong (expected) focus on infrastructure:
Example of NAP: Kenya’s National Adaptation Plan 2015-2030

- **Main Goal for Transport:**
  - Enhance climate proofing of infrastructure

- **Short Term Actions:**
  - Conduct risk and vulnerability assessments of existing infrastructure.
  - Conduct risk and vulnerability assessments of upcoming infrastructure (roads, railways, marine, aviation, buildings, ICT).
  - Conduct an assessment of whether existing and planned infrastructural assets are compatible with a low carbon climate resilient economy;
  - Conduct capacity building on infrastructure climate proofing.

- **Medium Term Actions:**
  - Climate proof buildings, roads, railway, marine, aviation and ICT infrastructure through use of appropriate designs and building materials.

- **Long Term Actions:**
  - Re-assess infrastructure vulnerability and upgrade infrastructure to withstand climate impacts with the latest technology.
75% of NDCs highlight transport as a potential mitigation source

20 of 160 NDCs (13%) consider general adaptation measures for transport sector

Specific adaptation measures for transport are mentioned in 6 countries’ NDCs (4%):
- Bangladesh
- Belize
- Gambia
- Maldives
- Moldova
- Nigeria
Transport-related Adaptation Measures in NDCs

• Bangladesh:
  – Build climate resilient infrastructure and communication system

• Belize:
  – Enhance resilience of Transportation sector

• Gambia:
  – Improve resilience of road networks under changing climate

• Maldives:
  – Improve resilience and climate proofing of airports, ports and all other infrastructure

• Moldova:
  – Incorporate climate change assumptions in infrastructure design and operations

• Nigeria:
  – Implement better infrastructure standards and strengthen existing infrastructure
  – Increase resilience through risk assessment and risk reduction measures
Climate Finance Capturing Transport Adaptation

- Climate Finance Database records transport projects of CDM, CTF, GEF, IKI, JCM, NAMA, NDF and green bonds allocated to transport.
- Currently 264 projects and 91 green bonds are in database.

- Adaptation is main focus of 23 projects.
- Only 136 million USD co-financed through climate finance for transport adaptation.
- Nordic Development Fund has strong adaptation focus:
  - Adaptation approaches for the transport sector in Cambodia.
  - Developing capacity for climate resilient road sector in Mozambique and Rwanda.
  - Integrating climate change adaptation to transport in Vietnam.
Road Map for Decarbonizing the Transport Sector

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

1. Synergistic urban transformation
2. Low-carbon energy supply strategy
3. Modal efficiency improvement
4. Shortened supply chains
5. Unnecessary travel reduction
6. Adapted solutions for ‘rural’ world
7. Investment in adaptation & offsetting
8. Financial & regulatory tools

Adaptation to be an integral part of SLoCaT/PPMC Roadmap on the Decarbonization of Transport

Trail blazers / OECD

Fast Followers
How does SLoCaT envisage working with Dutch Global Center of Excellence

**Knowledge:**
- Development of a common vocabulary on Transport and Adaptation
- Provider of knowledge products (transport)
- Reviewer of knowledge products (general)
- Provider of expertise / advice on transport

**Networking:**
- Provider of contacts in transport/development community
- Relay for information to/from: Global and regional transport events; SLoCaT/PPMC members; GCAA Transport Initiatives

**Policy Leverage:**
- Facilitate integration of transport related outputs CGEA in national, regional and global policy processes on transport and climate change
• Suggested to create (political) leadership forum on adaptation to climate change in the transport sector
• Help create visibility for adaptation in transport sector with the aim to see greater emphasis on adaptation in transport in UNFCCC processes as well as other global and regional processes on sustainable development and transport
• Ensure greater share of climate finance for adaptation in transport
Thank you for your attention!

For more information, visit our website:

http://slocat.net/
http://www.ppmc-transport.org/

And follow us on Twitter: @SLOCATCornie