Colombia’s TOD NAMA:
Using climate funds to catalyze transformational urban development

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Warsaw, November 15th, 2013
Colombia – Background

- Population: 46 million inhabitants
- Capital city: Bogota (population: 7.6 million inhabitants)
- The transport sector represents 12% of the country’s total CO₂ emissions.
- Transport is the fastest-growing sector in terms of energy consumption and emissions.
  - The main driver is the rapid growth of private motorization rates.

Urban transport modal share projections

Source: 2013, Universidad de los Andes. “Estrategia Colombiana de Desarrollo en Bajo Carbono”.
Benefits of BRT at risk

Land use and transit: generally not well integrated
Transit Oriented Development (TOD) NAMA

TOD focuses public and private development around transit stations to create neighborhoods where people can safely walk, live, work, shop and play.

- **Transformative, sectoral policies** to reduce long-term GHGs
- With short-term implementation and benefits
- Emphasis on **sustainable development** (economic, social, housing)
- **Leverage finance**: private sector, international, shift public investment
Removing Barriers to TOD

Regulation & Policy
- Technical, market, regulatory, policy, institutional...
- Inadequate policy integration

Involve Private Sector
- Imperfect public-private collaboration

Appropriate Financial Mechanism
- Local investment gaps
- Limited value capture and finance mechanisms

✓ Will take advantage of new public-private partnership legislation
✓ Will foster broad replication, creating a project pipeline that mobilizes private, national and international funds
✓ Investments in catalytic neighborhoods coupled with policy innovation
TOD benefits for Colombia
Colombia TOD NAMA: partners

- Managed under a trust fund scheme
- Overseen by board of National Vice Ministers
  - Develop selection criteria for investment & technical assistance
- Specialized facility (CIUDAT)
Colombia TOD NAMA: transformation

**SHORT TERM**

- Catalytic Transit Neighborhoods

**MEDIUM TERM**

- Innovative Policies to Foster Replication

**LONG TERM**

- Replication and Scalability

- Transformation of Urban Development Patterns and Urban Design

**CONTINUOUS**

- Private Sector and Community Engagement
Diversity of investment opportunities

- New Metro station
- Bike and pedestrian-related infrastructure, public space
- Private-sector-driven redevelopment
- Mixed-use transformation of existing station areas
- Redesign of car-oriented infrastructure plans
- Improvement of extremely low income informal settlements.

- CCAP and Findeter research identified high priority TOD neighborhoods in Cali, Medellin, Manizales, Bogota and Barranquilla.

- Diversity of investment opportunities
GHG Methodology and assumptions: CO$_2$ savings

Assumptions:
- Considers a range of TOD performance and penetration supported by literature
- Emissions corrected for increased transit emissions
- Assumes 20% vehicle efficiency improvement in all scenarios
GHG reductions start from passenger VKT reductions.

Results:
- Reduce growth in driving (VKT) by 25 - 36% due to changed land use and travel patterns
- Annual savings by 2040: 3.6 to 5.5 MMTCO$_2$
  (15-22% below base case)
Leveraging Finance and Replication

Finance

• $8 billion future investments: public transport, social housing

• FINDETER’s Sustainable Cities Initiative has documented $1.5 billion in infrastructure investment opportunities to support sustainable urban growth.

• Public investments in TOD can attract up to 20 times their value in private investment.

• FINDETER study: Barranquilla could save $1 billion in infrastructure costs by steering future development to TOD.

Model for replication

• TOD neighborhoods as the “technology”

• Developing countries worldwide strive for sustainable urban development and equitable prosperity

• Just as Bogota’s TransMilenio BRT served as a model for other Colombian and international cities.
Lessons and Next Steps

- Bringing together the different Ministries and National Level Entities
- Building relationships, establishing trust
- Importance of understanding stakeholder priorities and shaping the NAMA to reflect them
- Having succeeded in going through the first stage of selection process in the NAMA Facility will bring important support to develop the next steps of the TOD NAMA.

TOD NAMA aims to be *Transformational, Comprehensive, and Replicable* throughout Colombia.
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