WHAT IS ‘SUSTAINABLE PUBLIC TRANSPORT’?

Source: Flickr/UN Photo
Heather ALLEN
What is Sustainable Public Transport

Global Roadmap of Action towards Sustainable Mobility
Gender Companion Chapter

#WomenAndTransport
Approach

Aim:
• To respond to the global challenge of Sustainable Mobility For All (SUM4ALL)
• Transform the current transport paradigm: Provide the right transport framework to ensure that women and trans-gender reap the gains of economic growth

Approach:
• Four pillars
• Gender sits within Universal Access
• Mainstream gender into the SuM4All discussions, across all geographies and types of transportation

1 The use of this term includes LBG communities
We are not doing this alone!

Our Partners

Gender Working Group
Co-chaired by World Bank and FIA Foundation

Members from
- ATAG
- CAF
- GIZ
- ICAO
- IRF
- ITDP

- ITF
- International Transport Workers Federation
- UITP
- UN Women

As well as Portia, Safe Cities, Saftipin, William and Flora Hewlett Foundation and Walk21

1 The use of this term includes LBG communities
Scope of the chapter

**Goal:** Ensure that transport becomes more gender sensitive and current transport infrastructure and systems are not gender blind.

Articulated around four main entry points:

- **Sub-goal 1: Transport Users**—Transport and infrastructure and systems should cater to the mobility needs of women, girls and transgender
- **Sub-goal 2: Decision Makers**—Women should be involved at various levels in the planning and decision-making process for transport infrastructure and systems
- **Sub-goal 3: Workers**—Women should be employed in the construction, management, and operations of transport infrastructure and systems
- **Sub-goal 4: Infrastructure construction**—The development of transport infrastructure and systems should not jeopardize the wellbeing of women, children and others in the local communities
Transport is currently male-dominated in all areas

**Users**
- Affordability
- Availability
- Cultural barriers
- Mobility of care
- Violence & harassment
- Data gaps

**Workers**
- Recruitment
- Discrimination, violence & harassment
- Stereotyping & unconscious bias

**Decision-makers**
- Male dominance/lack of diversity as barriers to entry
- Stereotyping & unconscious bias

**Infrastructure & Construction**
- Labor influx
- Standards & norms
- Sexual harassment
- Data gaps

- Stereotyping & unconscious bias
- Data gaps
Catalogue of Measures Examples

Engineering
- Infrastructure may increase access but large mega transport projects often severs communities and impacts women negatively
- Quality of travelling environment (lighting etc)
- Standards (e.g. widths of footpaths, doors, grab rails, dedicated seating etc.) impact women
  - ....

Economics/Finance
- Women are often poorer than men – sustainable transport provides opportunities for poverty alleviation
- Provides access to employment as well as jobs in transport (male dominated) - need more programs to promote female participation/entrepreneurship
- Women can provide transport services for women
  - ....

Legislation
- Growing number of gender positive legislation at national and local levels but implementation is weak
- Equity aspects and transport justice aspects to be included more rigorously
- Need more female leadership and role models
  - ....

Marketing
- Increasing number of awareness campaigns for users and programs for recruitment
- Communications for complaints/ grievance
- Protocols for behavior
  - ....
Good Practice Examples

Example 1 – Women in Employment
Preferred for driving heavy trucks in mines, Peru
- Facing a severe shortage of capable workers and production cost increases, mining companies are turning to women drivers as they take more care of the vehicles keeping costs low.
- Women drivers are more careful & observe the protocols more rigorously (e.g. speeds, maintenance checks).
- All the recent drivers recruited are women
- TOOL: Proactive recruitment program

Example 2 – Infrastructure: Rehabilitation of El Trolebús BRT bus stops, Ecuador
- Replacing a steel lower panel with a glass-walled design for better interior and exterior visibility and to promote passenger safety.
- Cost +/-USD 13 million and 44 bus stops have been upgraded.
- The new infrastructure is branded with messages against harassment and includes universal accessibility for disable people.

TOOL: Marketing
Cross cutting nature of Gender and Sustainable Transport

- Vehicle standards do not include gender differences
- Many women are pedestrians
- Lack of data on female injuries
- Impact on caring

- Time poverty
- Women as food producers
- Lack of access to health & education
- Rural / urban migration...

- Impact on women & children of poor air quality & noise
- Women have little loyalty to sustainable modes (e.g. PT)
- New low carbon options ...

- Suffer from transport inefficiencies
- Affordability
- Women can act as agents of change
- Transborder issues (HIV ...)

- Equitable access to employment & education
- Women constitute more of urban poor
- Security
- Micro freight
Key Gaps and challenges

Key Gaps
• Data availability poor – for all four entry points.
• Little consideration or understanding women’s needs
• Urban data critical and livability (as more women constitute the urban poor and they currently use sustainable modes (walking and public transport) more than men
• Evaluation of benefits (and disbenefits) of transport for women at national level does not reflect everyday realities
• Little diversity within gender roles and lumped into vulnerable groups

Key challenges
• Attracting, retaining and supporting women in the sector
• Getting women into STEM and as entrepreneurs
• Making gender mainstreaming visible, necessary and of added value to transport – gender as an enabler not a constraint
• Intersectionality with other aspects – food production, poverty alleviation, rural/urban migration, safety and security, micro (urban) freight, road safety, new transport offers and lack of understanding of risks to current paradigm….
Next steps...

Global Mobility Report 2017 (GMR) - first ever benchmark assessment of the global mobility system

Global Tracking Framework - first ever dashboard for sector accountability

Global Roadmap of Action towards Sustainable Mobility (GRA) - first ever integrated pathway for public decision makers and the private sector to further progress toward sustainable mobility

Global Presence in key transport events including International Transport Forum, World Economic Forum and High Level Political Forum

THANK YOU
Heather@heatherallen.co
@hallen007
Economic impacts towards sustainable public transport; a business case on high capacity minibuses in the Nairobi Matatu Industry
Current Transportation Situation

- **4.5M** Nairobi population, 2019
- **900,000** average number of vehicles plying Nairobi streets daily
- **100:1** ratio of population to accessible passenger carrying vehicles (KMI brief)
- **62.44** average minutes lost in traffic
- **Ksh 18.25B** estimated amount lost annually due to traffic jam.
- **109%** increase in 14-seater vans licensed in Kenya, 2017 (KNBS)
- Majority PSVs are second hand small capacity vehicles

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Why Invest in HCVs?

• PSV investment is capital-intensive; purchase, customization, fuel, insurance, tax, staff, bribes, repairs impact on profits
• There is economic value in investing in high capacity vehicles (HCVs);
• More profits per trip hence less trips
• More space and comfort hence customer satisfaction
• Large carrying capacity =economies of scale hence affordable fares
• Lower operational cost spread among more commuters hence better return on investment
• Consolidation of many small capacity vehicles hence less congestion

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Key Issues

- Incentives for investors
- Affordable financing options;
- More favorable policies;
- Better environmental regulation
- Improved infrastructure;
- Better route mapping
- Address gender equity barriers in employment and work
- Professional development for operators using profits accrued
- Reduce corruption and cartels
- Explore vehicle modifications for special needs commuters like pregnant women, those with luggage and PWDs
- Better customer service

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Paul Wafula; Flone Initiative

Economic impacts towards sustainable public transport

“The answer to our global sustainability issues is not less transport—it is sustainable transport. We need more systems that are environmentally friendly, affordable and accessible.” Ban Ki-Moon

Thank you

#WomenAndTransport
Using Data and Technology to make Cities Inclusive

ANKITA KAPOOR
SAFETY AUDIT
This is the core of Safetipin. Based on the global experience of 20 years on safety audits, 8 important parameters that define safety perceptions are fixed. Feeling being the ninth parameter exclusively on perception.

AUDIT POINTS
Each safety audit will appear as a point on the Safetipin App.

Each point gets uploaded immediately and is then seen collectively on the screen.

The red signifies unsafe points, orange a bit safer and green would be relatively safe points.
### Mission: Building a world where everyone can move around without fear specially women

#### Effecting Change

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Measuring Change: Delhi Dark Spots Mapping
Urban Mobility: Hanoi Metro Line 3
Focus on Last Mile Connectivity to improve access for women and girls
Poor infrastructure near public transport stops

Poor Lighting where Public Transport is available

- Jodhpur
- Bhopal
- Gwalior

Audit points where PT is rated high
Lighting rated poor at those points

Poor Walkpath where Public Transport is available

- Jodhpur
- Bhopal
- Gwalior

Audit points where PT is rated high
Walkpath rated poor at those points
Women feel unsafe in Public spaces and Public Transport

Women’s experience of sexual harassment

30% women reported facing sexual harassment in the last one year
WOMEN AND MOBILITY: KEY FINDINGS

- Women feel unsafe while using and accessing the public transport
- Poor maintenance of Public Infrastructure
- Normalization of sexual harassment
- Low reporting of cases of sexual harassment
- Victim blaming
- Inefficient complaint redressal system
Expanding girls and women’s access to opportunities
Working towards safer mobility
Urban Studies: Madanpur Khadar, Delhi
Focus on curating gendered digital lives in Delhi’s urban peripheries
KHADAR KI LADKIYAN
Gendering the Smart Safe City
THANK YOU!

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