
Women and Gender in Transportation AME20 committee meeting



28 | 01 | 22

**WOMEN & GENDER IN
TRANSPORTATION**

TRB Standing Committee AME20

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- **Background:** Path of data collection, the intersectionality is rarely considered as a goal.
- **Practical consequences:** policies frame people in such a way that their complexity is simplified
- **Role of intersectionality:** to investigate how intersecting power relations influence social relations across diverse societies
- **As an analytical tool:** intersectionality is a way of understanding complexity in people
- **Benefits for researchers and planners:** building more robust frameworks to understand identities and complex social problems.
- **But why it doesn't happen:** in transport is not well attempted the idea that the more variables are crossed, the more complex it is to achieve sample representativeness

Intersectionality | Goal in Data Collection for Intersectionality

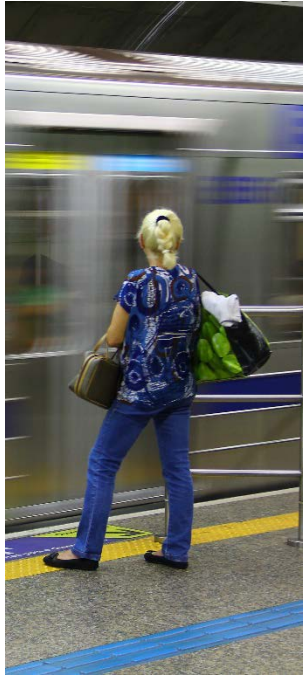


- **Focus on the data collection methods** on travel users' behaviors and their potential for detecting the intersectionality
- What can we understand **about travel behavior from qualitative, quantitative, and big data approaches?**
- Traditionally, **statistical significance**: a sample selection that is representative of chosen characteristics of the population (such as gender, age, education, employment, ethnic identity etc.)
- **Intersectionality** implies that multiple characteristics that are determining mobility decisions may be simultaneously present in everyone
- The **representative sample**, the one that responds to a normal curve of population, is not appropriate for capturing these intersectional traits
- **But the opposite inference is even more relevant**: the more intersectionality it is covered, the more characteristics and intersections built upon, the more the researcher contributes to the universality of the solution
- **Inclusive Digital Mobility solutions**: rendering a complex scenario where individuals are associated with multiple characteristics and the intersection builds-up universal design manual for Digital Mobility Solutions

INDIMO Pilots and user profiles



Pilot name and location	User profiles (and characteristics)
P1. Introducing digital lockers to enable e-commerce in rural areas (Emilia Romagna-Italy)	Older people and migrants/ foreign people who receive/send parcels (lack of digital knowledge; residing in peri-urban or rural locations; lack of digital services; lack of dedicated network infrastructures; language barriers; low income)
P2. Inclusive traffic lights (Antwerp–Belgium)	Vulnerable pedestrian (older people; people with reduced mobility; people with reduced vision)
P3. Informal ride-sharing in ethnic towns (Galilee)	Informal ride-sharing users (ethnic minority; women; residing in villages or rural areas; language barrier)
P4. Cycle logistics platform for delivery healthy food (Madrid-Spain)	Delivery users (people with reduced mobility; people with reduced vision; people with mental health impairments; socially isolated-unwanted loneliness; not-connected people; low income; COVID-19 confined)
P5. On-demand ride-sharing integrated into multimodal route planning (Berlin-Germany)	On demand ride-sharing users (caregivers of children/ impaired/ elders; women; lack of services; lack of digital skills, residing in peri-urban locations)



- Idiosyncrasies of profile (i.e. older people and rural)
- Mechanical adoption of digital apps
- Self-empowering intention of INDIMO target-groups (i.e. tutorial...)
- Foreign people as central public for using technology (i.e. digital lockers)
- Digital Mobility Gender divide: the 5 pilots' related personas created within the needs' approach perspective were women. Women mobility needs are quite still not met.
- Car mandate is internalized even by disable people



It is more crucial than ever to have research tools and researchers and practitioners embrace diversity and for that, we need a method who champion it.

The Diversity, Equity and Inclusive method will address critical gaps in research and creating a level playing field for **intersectional people**, including **ethnic minorities**, **low-income**, **women with functional diversity**, **genders minorities**.

Di Ciommo F., G. Rondinella, and A. Kilstein “Intersectionality as a Goal in Data Collection for Mobility Needs of Social Minorities”, *TRR*, under review.



Thanks

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