INITIATIVE TO MONITOR FUTURE TRANSPORT DEVELOPMENT

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Intergovernmental Organisation
linked to OECD
59 member countries

Think Tank
Policy analysis and research
Data, statistics and modelling

Annual Summit
Forum for Ministers, industry CEOs, civil society, international organisations, academia, media ...
ITF approach for measuring access

- Since 2016 developing a top-down* approach tool for global benchmarking of accessibility in cities (ITF Transport Outlook 2017)
  - working directly on a larger number of cities
  - restricting the analysis to what can be done in practice with existing global databases
  - facilitates the development of benchmarking frameworks
- Currently improving these results, by measuring access to opportunities/services with focus on European Cities (EC funded)
  1. Contour-based indicators on accessibility to services of different categories
  2. Visualisation
  3. More sophisticated analytical tool
Accessibility to shops by car within 15’ (Berlin)
Database

- By the end of 2018, all urban areas across Europe that are above 300,000 population
- The average number of services of 11 categories that are accessible to the population of a city, within different time thresholds and through different modes
  - Beyond measuring accessibility to transport services and calculates accessibility to opportunities
  - Balance between what is meaningful and what is comparable across cities
  - Standardized datasets and uses harmonized computational methods
  - Functional Urban Area (harmonised definition OECD/EC)
  - Multiple modes: walking, cycling, public transport and car
Accessibility ranking

Normalized ranking of accessibility for amenities in cities within 30 minutes by car

Cities
- emergency
- health
- hospitality
- education
- sport
- consumption
- basic services
- university
- hospital

Normalized rank

- Paris
- Madrid
- Roma
- Lyon
- Wien
- Lisboa
- Berlin
- Bilbao
- Stockholm
- Manchester
Visualisation tool

Different weights produce different rankings

11 categories of services are taken in account

The user can choose among 4 transport modes
Performance indicators

- Distribution of accessibility in a city: How does the city perform in the overall picture; and how wide the inequality, in terms of access to opportunities
- Correlation between income and access
- Relative performance of each mode
- Other possible indicators
  - Relating accessibility levels with parking and driving restriction policies
  - Accessibility of vulnerable social groups
  - Etc.
Thank you

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