Presentation of Trufi Association e.V.
ITDP Webinar – Why Open Data Matters for Cycling

www.trufi-association.org
Trufi Association e.V.

• Non-profit start-up for informal public transport
• Started 05/2018, officially founded NGO in 04/2019
• Mission: Improve public transport worldwide through digitization
• Vision: People in developing countries choose public transport options because they are accurate, helpful and attractive
• Flagship Product: Multimodal Journey Planner, open source, cross-platform

40+ volunteers and fellows
10+ women
10+ nationalities
What is informal transport?

• Informal
  • No official stops
  • No schedule
  • No documentation of bus lines
  • No official transport network, but private agencies

• Semi-Formal
  • Mixture of formal and informal transit, like Metro in Addis Ababa plus minibuses or Gondolas in La Paz plus minibuses

• Typical in Middle and South America, Africa and Asia

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Main Product: Trufi App

Open Source Multi-Modal Journey Planner for Semi-Formal Public Transport in Big Cities

- Trip planner with full door to door navigation
- GPS location on granular maps for easy navigation
- Multiple suggested routes, integration of transport modes
- Search suggestions for street names, crossings and points of interest
- Save preferred routes and frequent searches
- Location-specific in-service advertising
- Built on Flutter with OpenStreetMap and MapTiler
- Available for Android 4.1 or higher and on iOS 8.0+
- Routes from OSM and multiple transport providers
- Multilingual, including local languages and indigenous languages, e.g. Quechua
- Released as Open Source under an AGPL license
- Continuous development along the Digital Principles
Impact: From Community Building to Public Transport Planning

We build OpenStreetMap communities & train them how to map routes

We make all routes publicly available on OpenStreetMap for free and for everyone

Our App finds the best multimodal door to door journeys

We help cities plan better transport links with journey patterns from our user data

Our Why: We believe everyone in a big city deserves access to the best transport links to boost their livelihoods and businesses and to protect the environment, in line with SDG 11. And to get there, transport options including for example semi-formal mini-buses must be integrated no matter their operator or mode.
Approach

- Teach a team to track routes
- Digitalize timetables from books
- Collect existing routes from GIS apps such as Google Earth or ArcGIS.

Collect and digitalize the data
Create a standard GTFS format from the data
Provide server to make door-to-door route planning
Create app and enable routing in OpenStreetMap and Google Maps

Example: https://manila-otp.trufi.app/
New: Maintenance of Bus Routes
Trufi App in Cochabamba, Bolivia

Facts

• Bus collection by OSM community
• Primary contact: Head of Transport Agencies, Mr. Orellana
• Local partner: SIRcode.io and Nexion SRL
• Uptake: 5,000 users within first two weeks after Go Live
How our bike app started…

• Idea to use our flagship product and customized it for cyclists

• Optimized for the use of bikes in combination with public transport

• Usage of real-time data of the public transport operator (Hochbahn)

• ITS Hackathon winner 2020

• Built an MVP for the ITS World Congress 2021 in collaboration with the Hochbahn
How „Not without my bike“ is going...
How „Not without my bike“ is going…

• Very positive feedback from the community

• Auf Platz 3 bzw. 2, wenn man nach „Bike Hamburg“ im Google bzw. Apple Store sucht

• Multimodal route planning that integrates ferries and blocking times for bikes on public transport

• Individual routing that gives the option to choose between „More Biking“, „Biking & Public Transport“ and „More Public Transport“

• Conversations to integrate the application in Hamburg's public transport app landscape are currently happening
Not Without my Bike Launched in Hamburg!

- Launched on October 12, 2021
- 27th ITS World Congress
- 7000 Visitors
- 3500 International Delegates
- 200 B2B Meetings

https://www.youtube.com/watch?v=ssf9-SXVjFI
Welcome aboard!

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