



Holistic Personal public Eco-mobility

Project Factsheet

HoPE Overview

HoPE's main purpose is to advance the role of public transportation systems through an open platform capable of combining Interoperable Fare Management (IFM) and Traveller Information Systems (TIS).

The platform will be user oriented and user centric, in a way that will foster and promote user awareness about public transports and eco-mobility, other than providing for a significant mix of services including:

- info-mobility,
- trip planning,
- ticket reservation,
- fare calculation and mobile payments.

HoPE aims to demonstrate through three different pilots how seamless IFM can be rolled out across regions through cooperation between different transport operators.

Expected Impact

HoPE intends to satisfy the needs of citizens and tourists for more easy to use and efficient public transportation systems. Dealing with many travel options, a complex transport network, and changing operational conditions are not easy, nor pleasant tasks for travellers. Daily commuters, occasional travellers, and tourists might have different priorities when moving through an urban or regional area. They need to deal with multiple timetables, network plans, price lists and conditions, and the like. All that burden can represent a real disincentive to the use of public transportation.

One of the main focuses of HoPE is to ease the use of public transportation, encompassing all the phases involved in its typical usage: from access and schedule information to real-time operational information, from planning multi-modal trips to bookings and ticket purchases, redemption, and validation, maintaining interoperability across different transportation modes and pre-existing ICT systems.

At a glance

Grant Agreement: 621133

Acronym: HoPE (Holistic Personal public Eco-mobility)

Program: ICT Policy Support Programme
Call: CIP-ICT-PSP-2013-7

Funding scheme: Pilot Type B - CIP-ICT-PSP-PB

Duration: 33 months

Starting Date: 1 June 2014

Activity: CIP7-Theme 1 - Cloud of public services and smart cities

Total budget: 3.6 M €

Website: <http://hope-eu-project.eu/>

Consortium: 13 partners





Technical Approach

The fruition model of the HoPE platform will be primarily based on mobile devices and is intended to complement and enhance pre-existing information and payment systems by adding useful forecasts about partial/overall journey time and partial/overall greenhouse gas emissions (in addition to fare calculation and mobile payments). Smart Ticketing features will implement secure payment procedures exploiting different technologies (NFC, QR codes, etc.) and will seamlessly support the entire buying process, as well as the ticket validation. This will lead to a flexible and advanced framework in which several transport operators will be able to join the system by adhering to a set of technical specifications and without undergoing long and complex administrative processes or strict legal agreements.

Smart Trip-Planning features will provide for an unprecedented, reliable, and comprehensive user experience, always proposing to travellers the best available options for the next part of their journey, enhancing one or more key metrics associated to their trip (fare, duration, emissions). This will be obtained by exploiting static and real-time information used by several optimisation engines to enforce customisable policies and strategies.



Piloting Location

The HoPE platform will be piloted and tested at three European cities and will be applied to a wide set of local and regional transport means (buses, undergrounds, railway lines, car-sharing, bike sharing, etc.). Involved public authorities and transport operators have provided a good feedback about the benefits the system can bring to them. A successful piloting phase will be followed by concrete actions by the relevant stakeholders to widely deploy and fund the platform adoption on a wider scale. The project in itself will also provide recommendations, business models, and business plans that will reinforce and complement such actions through the definition of self-sustainable approaches.



Main contacts

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