

Information on technical content

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Information and Registration

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Partecipation

The Workshop has no fee but the registration is required by filling in and sending the registration module before 01/06/2017.

Venue of the Workshop
ASSTRA , Sala "Aulo Vibenna"
Piazza Cola di Rienzo n. 80/a ROMA

From Termini:

- Metro A (Battistini direction) - Lepanto stop, then 400 mt walking
- Taxi Station

From Fiumicino:

- "Leonardo Express" Train to Termini Station
- Bus from Terminal 3 - to Cavour Square, then 200 mt walking
- Taxi Station (around 48 euro)



ELIPTIC PROJECT WORKSHOP
“ELECTRIFICATION OF PUBLIC
TRANSPORT IN CITIES” :

FIRST RESULTS OF
UPGRADING AND/OR
REGENERATING
ELECTRIC PUBLIC
TRANSPORT SYSTEMS
(FLYWHEEL,
REVERSIBLE
SUBSTATIONS)



ROME 12th JUNE 2017
ASSTRA
(PIAZZA COLA DI RIENZO 80/A)

The ELIPTIC project, financed by Horizon 2020 programme, aims to develop new concepts and business cases in order to optimize existing electric public transport infrastructure and rolling stock, saving both money and energy. The project strengthens the role of electric public transport, leading to reduced fossil fuel consumption and improved air quality.

The project supports the European Commission in exploring policy frameworks and measures in order to ensure the uptake of alternatively fuelled vehicle fleets in urban areas. ELIPTIC develops 20 user concepts and business cases in 11 European cities, which put a strong focus on increasing the capacity of electric public transport. ELIPTIC also contributes to reaching the EU's goals of halving the use of conventionally-fuelled cars in cities by 2030 and reducing the emissions of 60% by 2050. The shift from private to electric collective transport will reduce the need for individual travel and for private car ownership in urban areas, simultaneously improving air quality.

With the view of wide application of the project's results, ELIPTIC adopts a holistic approach, including large metropolitan cities (e.g. London, Barcelona, Brussels, Warsaw), middle-sized cities (e.g. Bremen, Gdynia, Leipzig, Szeged, Oberhausen), small towns (e.g. Eberswalde) and even less densely populated areas (Lanciano). This selection implicates also various climatic and topographic conditions, showing important impacts for the operation of (battery) electric vehicles.

The ELIPTIC project develops new and innovative use concepts and business cases within three thematic pillars:

- safe integration of e-buses using existing electric public transport infrastructure
- innovative energy storage systems for rail to increase operational efficiency
- multi-purpose use of electric public transport infrastructure

12.00 1st SESSION: ISTITUTIONAL FRAMEWORK

ASSTRA WELCOME

Emanuele Proia – General Manager ASSTRA

TRAM SYSTEM IN ITALY: STATE OF ART

Elena Molinaro – Manager of 5 Division – General Direction for Transport Systems and fix assets and for LPT – Italian Ministry of Transport and Infrastructure

13.15 **LIGHT LUNCH**

14.00 2nd SESSION: THE ELIPTIC USE CASES

coordinator: Daniela Carbone – Head of Innovation Technologies Service of ASSTRA

14.10 **THE ELIPTIC PROJECT—Hendrick Kock – Bremen**

14.30 **EVALUTATION OF THE ELIPTIC USE CASES—Maria Vittoria Corazza – UNIROMA 1**

14.50 **PILLAR B USE CASES DESCRIPTION - Veronica Usai – ASSTRA**

16.10 **COFFE BREAK**

16.30 **OPTIMISED BRAKING ENERGY RECOVERY LIGHT RAIL SYSTEMS: MEASUREMENT RESULTS IN TRAM NETWORK - Benjamin Roeland—STIB Brussels**

16.50 **LANCIANO USE CASE—Sandro Imbastaro—TUA Lanciano**

17.10 **BREMEN USE CASE—Jürgen Kappus - Bremen**

17.30 **GDYNIA USE CASE—Marta Woronowicz—PKT Gdynia**

17.50 **QUESTIONS AND ANSWERS**

18.00 3rd SESSION: OTHER EUROPEAN/ITALIAN EXPERIENCES

ELIPTIC CONCEPTS IN INTEGRATING ELECTRIC BUSES IN EXISTING ELECTRIC PUBLIC TRANSPORT - Yannick Bousse – UITP

THE ELECTRICALLY POWERED EXPERIENCE IN CTM —Roberto Murru—CTM Cagliari

TITLE—Paolo Rapinesi—ATB Bergamo

EXTENSION OF A TROLLEYBUS LINE IN SZEGED WITH TROLLEYBUS-HYBRIDS—Ádám Németh Zoltán - SZKT Szeged

19.20 **QUESTIONS AND ANSWERS**

19.30 **DINNER (RESTAURANT TBD— DRESS CODE INFORMAL)**