



CIVITAS ELIPTIC Webinar: E-bus planning supported with simulation tools

7 April 2017, 10:00 - 11:30



Horizon 2020
Programme

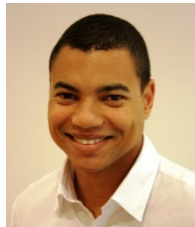


Welcome to the 2nd ELIPTIC webinar!

Time	Title	Presenter
10.00 – 10.15	Welcome and introduction to the ELIPTIC project	Yannick Bousse (UITP), Henning Günter (Rupprecht Consult)
10.15 – 10.40	E-Bus Simulation – Finding the Optimal Technical Configuration	Fabian Meishner (ISEA RWTH Aachen)
10.40 – 11.05	Conversion of a diesel bus line using hybrid trolleybuses – Example Eberswalde, Germany	Thoralf Knotte (Fraunhofer IVI)
11.05 – 11.30	Electrified Buses: Design Considerations and Charging Strategy	Omar Hegazy (Vrije Universiteit Brussel, MOBI)

The Webinar Team

Moderators



Yannick Bousse, UITP
- Moderator of the webinar -



Henning Günter, Rupprecht
- Questions manager, technical issues -

Panellists



Fabian Meishner,
RWTH Aachen



Prof. Dr. Omar Hegazy,
Vrije Universiteit Brussel



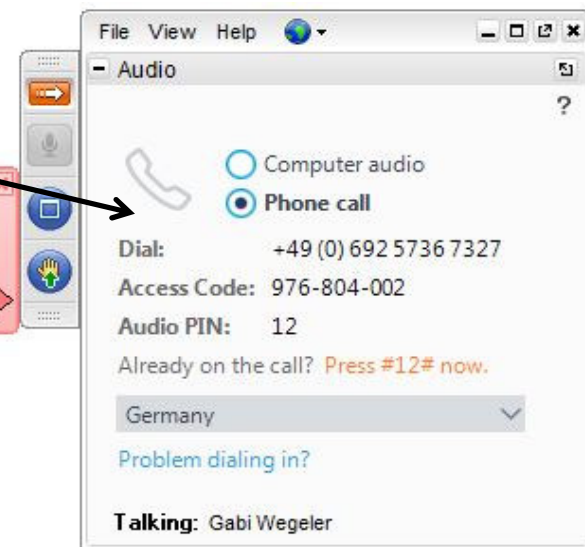
Dr.-Ing Thoralf Knote,
Fraunhofer IVI

Phone or internet connection

Dial-in options

Join the audio conference

Dial in using your telephone or select Mic & Speakers to use your Internet connection for audio.

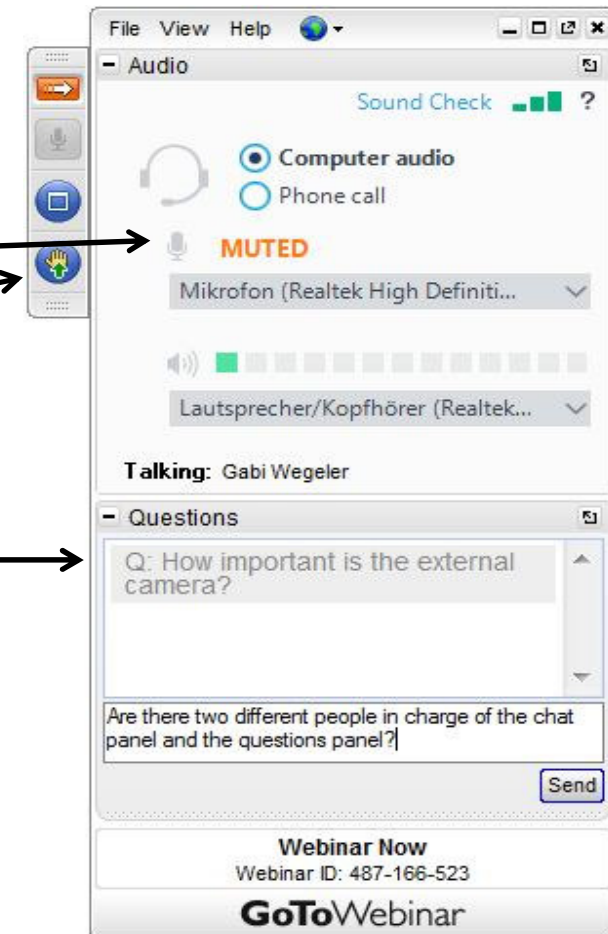


Participation tools

Mute

Raise your hand

Questions



Quick poll: User background

- What kind of organization do you represent?



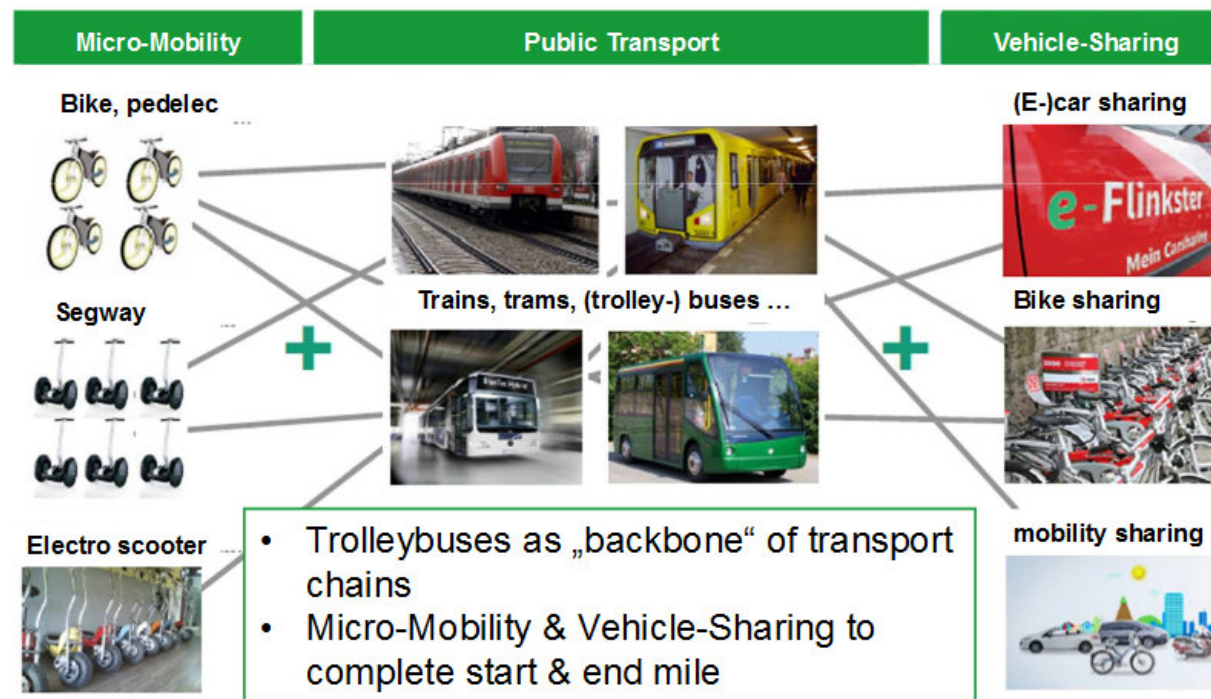
ELIPTIC – electrification of public transport in cities

- Horizon 2020 Research and Innovation project
- 33 partner in 8 Countries
- 20 use cases (demo + feasibility studies)
- Duration, 36 months: 01.06.2015 – 30.05.2018
- Coordinator: Freie Hansestadt Bremen
- Budget: 5,9 Million EUR



Electrification of public transport

Reduce costs and energy consumption of electric public transport by optimising infrastructure and rolling stock



Source: Spath, IAO, 2011

Objectives

- Evaluate the costs, benefits and operating efficiency of 20 use cases
- Support take-up of business cases and exploitation of project results across Europe
- Develop political support for the electrification of public transport
- Analyse 3 thematic pillars



Three thematic technology pillars

A

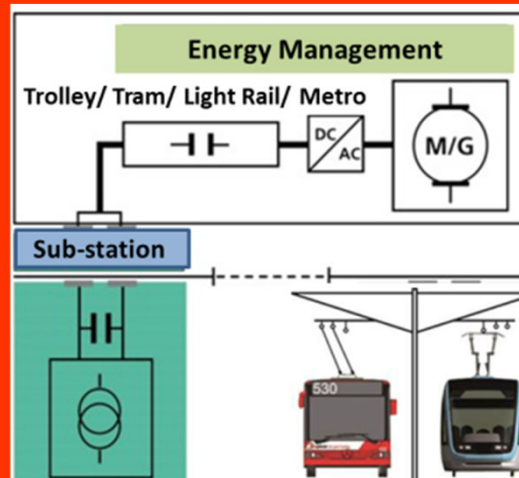
E-buses

Safe integration
into existing electric
PT infrastructure



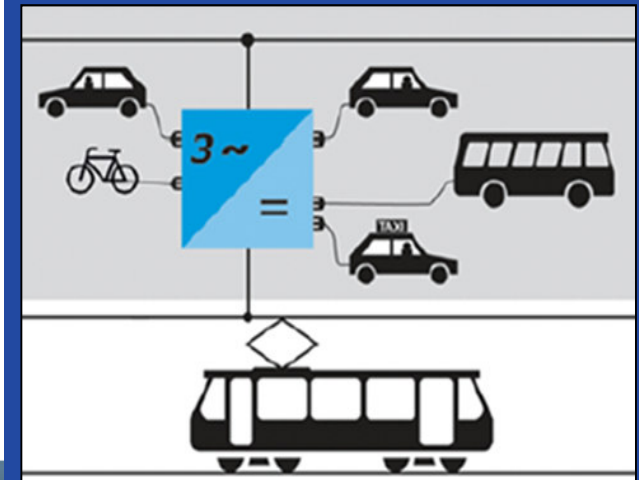
B

Energy efficient electric PT system



C

Multi-purpose use of electric PT infrastructure



Project coordinator: Bremen
Project manager: Rupprecht Consult

● Public transport company/operator

● Research and innovation

● Industry

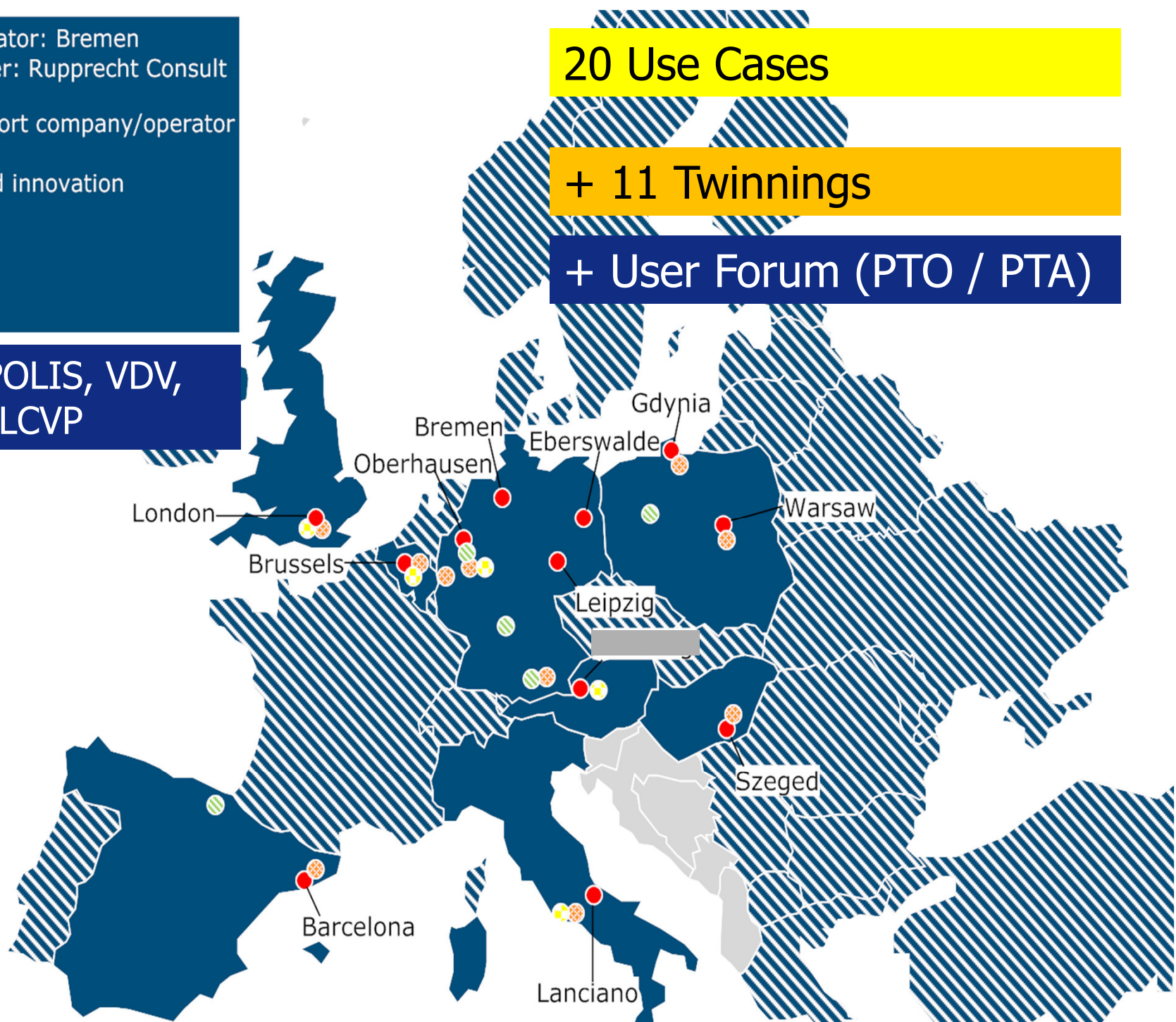
● Associations

+ UITP, POLIS, VDV,
ASSTRA, LCVP

20 Use Cases

+ 11 Twinnings

+ User Forum (PTO / PTA)





Project outcomes

- Increased knowledge and awareness of cost-effective approaches for electric public transport
- Evaluation of 20 Use Cases
- Pathway from use case to business case
- Guidelines and policy recommendations
- Twinning programme of cities / operators with same interest
- Thematic workshops
- Moderated webinars for training

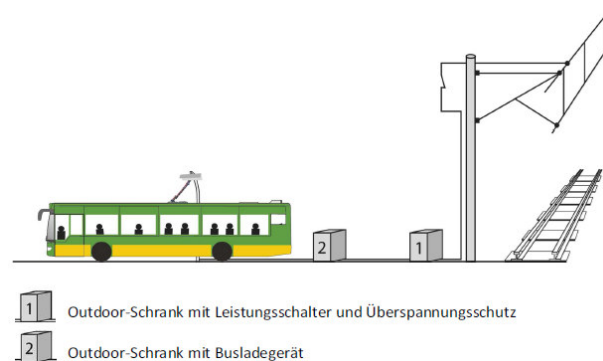
Opportunity (re)charging and overnight charging of electric buses based on metro infrastructure



Barcelona



Opportunity (re)charging of e-buses by using sub-stations and tram catenaries





SAVE THE DATE: ELIPTIC WORKSHOP

Innovative energy storage systems to increase operational efficiency of electric public transport

12 June 2017, 12:00 – 18:20

Location: ASSTRA , Sala “Aulo Vibenna”, Piazza Cola di Rienzo n. 80/a ROMA

First results from Brussels, Gdynia and Lanciano



Thank you for your attention!

Website: <http://www.eliptic-project.eu/>

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