



# ELIPTIC Public Transport User Forum - Recommendations in the Sustainable Transport Forum -

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# Sustainable Transport Forum

## - Sub-group on Alternative Fuels in Cities -

- Actions towards a market up-take of alternative fuels
  - Commission Communication "Clean Power for Transport: A European alternative fuels strategy"
  - Directive on the deployment of alternative fuels infrastructure, which became Directive 2014/94/EU
- Mainly related to two of the objectives of the 2011 White Paper for Transport target urban areas:
  - to halve the use of 'conventionally-fuelled' cars in urban transport by 2030, and to phase them out in cities by 2050;
  - to achieve essentially CO<sub>2</sub>-free city logistics in major urban centres by 2030.



## Main objectives

- **Helping to implement the EU and national policies** and frameworks in the field (Sustainable Urban Mobility Plans (SUMP), TEN-T Guidelines, European Alternative Fuel Observatory etc.), with a view of speeding-up the shift towards carbon-free urban transport.
- To **identify the main barriers** that hamper the deployment of alternative fuels in urban areas, e.g. issues related to cooperation between public and private actors, financing
- To explore synergies with and provide **input for** the revision of the **Clean Vehicles Directive (CVD)**
- To **provide guidance and support to effectively plan** alternative fuels infrastructure in cities, including support on successful business cases.



## Outcome / deliverables

- **State of play** of the number and accessibility of **alternative fuel infrastructure and vehicles in cities** (based on EAFO - European Alternative Fuel Observatory, in particular on facilitating access to data on relevant level (national /regional/local))
- **Specific guidance for multi-modal alternative fuels deployment**, especially in public transport, for sustainable urban mobility planning
- Proposals to **improve financing schemes/support funds/incentives** in order to make them more accessible and effective



## Outcome / deliverables

- Developing and assessing policy options regarding possible **amendments of Clean Vehicles Directive** (incl. agreeing on a working definition of a clean vehicle in order to feed into the impact assessment process of CVD)
- **Recommendations for good public-private cooperation and governance**, e.g. in the field of data collection, urban freight and public transport, and taking into account users' perspective.



## First recommendations

- **Make best practices available (but also lessons learnt on barriers)!**
  - integrate best-practices into European Alternative Fuels Observatory (EAFO) / CIVITAS thematic groups (provide more information on charging infrastructure planning / implementation ; data currently mostly focuses on electric/ hybrid cars)
  - collect and analyse examples of main barriers related to implementation of charging infrastructure in cities (permissions/regulations etc.) and
  - provide guidance and frameworks on/for charging infrastructure implementation in cities



## First recommendations

- **Make it happen through sound planning!**
  - Integrate energy and mobility planning (from SUMP to SUMEP) integration of AF planning into SUMP cycle (recommendations, are you ready for e-mobility?)
  - Provide additions to the SUMP cycle in terms of AF mobility planning, e.g. stakeholder involvement: governance, energy / AF suppliers, evaluation & monitoring, financing (linked to ELIPTIC examples)
- **Make your charging infrastructure smarter!**
  - Integrate Renewable Energies and storage systems into charging infrastructure for e-vehicles
  - More research is needed ...

# First recommendations



- **Make use of your existing infrastructure**
  - Use PT transport grids as a „backbone“ for charging infrastructure planning (ELIPTIC examples from London, Oberhausen and Barcelona!)
  - Make PT core of your mobility concepts based on multi-modal concepts: (stationary) charging of shared vehicles (e-mobility hubs)
  - Change regulations and eliminate barriers related to usage of PT grid power for other purposes than rail/tram/metro operation
  - Develop interoperability standards to make use existing infrastructure by several e-modes
  - Develop standardised DC measurement devices for clear billing and payment models



# First recommendations



- **Involve your end-users and use your data!**
  - Involve end users; e.g. make them „PING!“ their charging spots
  - Provide real-time information to users regarding availability of charging stations through apps, online platforms, signs, etc.
  - Make it easy to handle: billing & payment systems
  - Make your SUMP future-ready!: PT authorities and decision makers in cities should link e-mobility concepts to new trends, e.g. MaaS and connected and automated vehicles (CAVs), and integrate those into SUMPs in achieving their urban mobility goals

# How could you help us?!



- Identify further good examples & initiatives; barriers for multimodal AF infrastructure
  - In particular related to FC/hydrogen & CNG/LNG)
- Review / comment recommendations



# Thank you for your attention!

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