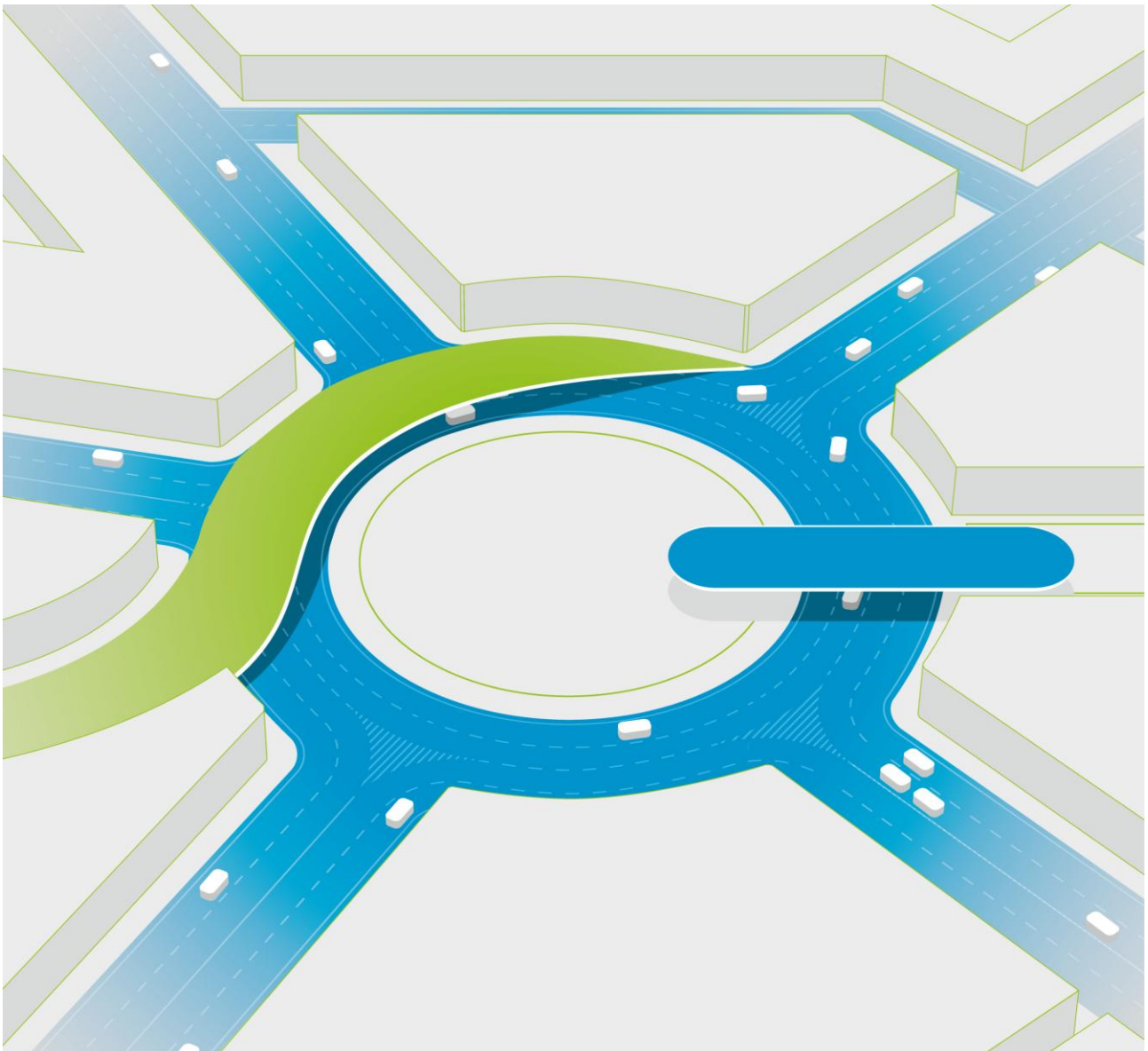


Deliverable D400.2

Evaluation Database Description



version	1.1
dissemination	PP
due date	28 February 2014
version date	25 April 2014



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project funding

7th Framework Programme
GC-ICT-2011.6.8: ICT for fully electric vehicles
Specific Targeted Research Project (STREP)
Grant Agreement No. 314411

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Revision and history chart

Version	Date	Comment
0.1	25.11.2013	Initial template
0.2	13.12.2013	First overall outline, intro text
0.3	09.01.2014	Revised outline, executive summary text
0.4	04.02.2014	Initial inputs in Sections 2 and 3
0.5	28.02.2014	Revision of Introduction, Section 2 and Section 3
0.6	15.03.2014	Contributions by HIT, POLITO and CRF in Section 3
0.7	21.03.2014	Harmonizing inputs and finalizing Section 3, revision of Section 4
0.8	31.03.2014	Pre-final draft for partners' feedback before review
1.0	03.04.2014	Final draft for review
1.1	25.04.2014	Final version after review

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Executive Summary

The eCo-FEV project aims at achieving a breakthrough in Fully Electric Vehicle (FEV) introduction by proposing a general service platform for integration of FEVs with different infrastructure systems cooperating with each other - thus allowing precise FEV telematics services and charging management services based on real time information.

The general concept of eCo-FEV is based on the development of an innovative next generation e-mobility infrastructure by mutual system cooperation among FEV and independent FEV-related infrastructures being networked. The cooperative e-mobility infrastructure enables information exchange between independent infrastructure systems in order to provide efficient telematics and ITS services to FEV users. For this purpose, an eCo-FEV system is defined and being developed by the consortium, which includes subsystems integrated at FEV, at road side, at charging infrastructure and at backend to realize FEV assistance services before and during a trip and charging.

The verification, evaluation and impact assessment of the eCo-FEV system is carried out in the WP400 of the project. The first deliverable of this work package, D400.1 provided the testing and evaluation guidelines for the technical verification and impact assessment of eCo-FEV systems and use cases. The current deliverable complements this by providing the dataset to be collected during the tests for validation and evaluation purposes. Categorized by the high-level eCo-FEV components of Backend, Transport Infrastructure, and On-Board Unit, the envisioned evaluation datasets are presented in detail. Those are then visualized in the form of a database schema that could be utilized for the implementation in the testing and evaluation activities of the project. A generic data record template for logging the experiments is also provided. The initial guidelines for test data collection in terms of the required measurement frequency or the granularity of data are discussed wherever applicable.