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Dear Reader,

I am very pleased to welcome you to the seventh issue of LIFE+ PERHT Newsletters!

The PERHT project has officially ended, and as a **Final Event** a conference has arranged in Treviso on 17th of March 2016.

The conference was a good opportunity for us to share our results and discuss them with the very relevant stakeholders that came to take part of the day. The conference was held at the *Municipality of Treviso*, who we again would like to thank for their warm welcome and hospitality.



Within this final issue of the PERHT project newsletter, I would like to present you the **Environmental Impacts Assessment** of the project.

This newsletter illustrates all the activities carried out and describes the results achieved by the Consortium with the evaluation of LIFE+ PERHT mobility services impacts in Treviso demonstration area, mainly in terms of pollution emission reduction and energy consumption optimization.



While renewing our warm invitation to follow us through this newsletter, through the project website and any public project event, we would like to thank you in advance for your kind interest our PERHT project and for any comment or suggestion you may want to let us have, in order to improve our efforts and work.

Marco Dall'Agnol
 Mobilità di Marca
 the PERHT Project Coordinator
 on behalf of PERHT Consortium

Project Final Conference

The final conference took place in Treviso on 17th of March 2016. The opening ceremony of this event, which was organized by MOM, was welcomed by **Giovanni Manildo**, Major of Treviso.

The conference gathered 86 participants coming from different areas: the representatives of the Local Authorities, the representatives of the European Community, the representatives of the Ministry of Environment, the president of ANCI Veneto and other organizations specifically active in the sustainable mobility area.

The attendees actively participated in the discussions that took place during the conference; some questions were raised and at the end of the conference a catering was provided, which allowed attendees and speakers to interact in a more relaxed way.



The theme of the conference was of course in line with the overall theme of the project; that addresses the very important issue of people and goods mobility by the implementation of appropriate and innovative "green" parking schemes and associated measures in small-/mid-size historic towns such as Treviso, where the impacts of individual and commercial traffic are more severe.

The main point the conference was the presentation of PERHT objectives and results, in order to facilitate their exploitation and sustainability.



With MOM (Mobilità di Marca) as coordinator, the 5 partners from 2 European countries have worked for 36 months in the project, which was part-funded under LIFE+ Program.

During the conference, the results of project monitoring were presented; such activity aimed at collecting data relating to the offered services and the analysis of user satisfaction levels.

From the early monitoring data it showed that the **TreviMove** platform had a resounding success, scoring more than 5 thousands App downloaded with a remarkable amount of service requests per day (about 13 thousands for public transport services and 7 thousands for parking and bike sharing).

"PERHT was the first European project for which the City of Treviso received major funding - said the Council Member for the growth and development of the City of Treviso, **Paolo Camolei**; and it is truly thanks to the technologically advanced

parking system and the bike service sharing that we got this contribution."

"The positive experience of this project is based on an active partnership between the City of Treviso and MOM - said the Council Member for Finance and subsidiaries, **Alessandra Gazzola**; and it is precisely because of the positive results obtained by some services, like the App TreviMove, the EV charging stations and bike stations, which the City and MOM are formalizing an agreement to give continuity to the services offered".

"MOM strongly supported this project and brought it to completion as leader interpreting its mission not only in the field of local public transport, but also in the promotion of sustainable urban mobility. Now it is ready to go - says the president of MOM, **Giulio Sartor** - optimizing the services already in place and looking for new innovative solutions."

Furthermore, the speakers focuses on such issues as:

- Historic towns and Sustainability - Speaker: **Brian Smith** - EAHTR, Norwich;

Speaker: **M.Pavanello** - ANCI Veneto;

- New LIFE programming - Speaker: **F.Benvenuti** - Sogesid SpA
- Emerging mobility services - Speaker: **C.Sessa** - ISIS, Roma
Speaker: **G. Ambrosino** - GA Consultancy;
Speaker: **M.Pellegrini** - Tiemme SpA Arezzo;
- Services to support smart cities - Speaker: **P.Malgeri, T.Stefanelli** - TRT, Milano;
Speaker: **A.Liberato, S.Gini** - MemEx, Livorno;
Speaker: **G.Pacini**, Logical Town Association, Lucca;



After the presentations, a round table discussion followed, to highlight the results and examples as well as further activities to disseminate the project results to other networks and regions. The discussion with the stakeholders highlighted the opportunities, challenges and ideas for future collaborations among participants, with the focus on smart mobility. There are many possible directions for further development of the work performed, and Horizon 2020 as well as other programs, offers many opportunities to get these

ideas funded. If you did not participate at the day, but are interested to work with partners in this field, you are of course welcome to contact any of the organizations; you can find the contacts at the bottom of this newsletter.

Environmental Impacts Assessment

This paragraph illustrates all the activities carried out and describes the results achieved by the Consortium with the evaluation of LIFE+ PERHT mobility services impacts in Treviso demonstration area, mainly in terms of pollution emission reduction and energy consumption reduction.

The assessment of the impacts (benefits)

resulting from the implementation of the eco-sustainable LIFE + PERHT

mobility measures was performed considering the following four evaluation categories:

1. Environmental aspects, particularly with regard to CO₂ emissions and noise pollution.
2. Energy aspects.

3. Levels of efficiency and customer satisfaction of the services.
4. Socio-economic aspects.

In summary, the assessment process has been developed in four phases:

Step a) *Baseline scenario*: situation before the implementation of LIFE+ PERHT measures/services.

Step b) *Ex-ante scenario*: expected results following the introduction of LIFE+ PERHT measures/services.

Step c) *Services monitoring*: during demonstration phase (Action B.3 - "Pilot services operation and demonstration"), with environmental and energy data collection, customer satisfaction and level of efficiency surveys, etc. (Action C.1 - "Environmental data collection").

Stima degli impatti/benefici ambientali a 5 anni da fine progetto (su base annua)					
Servizio/Misura LIFE+ PERHT	Riduzione percorrenze (Km/anno)	CO2 (Kg/anno)	NOx (Kg/anno)	PM10 (Kg/anno)	CO2eq (Kg/anno)
Potenziamento LIFE+ PERHT Servizio Bike Sharing	7.020	1.217,27	2,25	0,60	1913,65
Servizio LIFE+ PERHT BIKE STATION	591.235	102.520,18	189,20	5,08	161.170,72
Misura LIFE+ PERHT LAJ AREAS	160.875	38.288,25	128,70	12,87	78.185,25
Servizio LIFE+ PERHT EV RE-CHARGING	287.000	49.739,44	91,79	2,47	78.194,76
Misure LIFE+ PERHT di incentivo all'utilizzo EV/PHEV	0	0	0	0	0
Servizio LIFE+ PERHT COL-TAXI	0	0	0	0	0
Servizi LIFE+ PERHT INFOMOBILITY	90.000	15.606,00	28,80	0,77	24.534,00
Totale riduzione emissioni	1.136.130	207.371,14	440,74	21,79	343.998,38

mobility measures was performed considering the following four evaluation categories:

1. Environmental aspects, particularly with regard to CO₂ emissions and noise pollution.
2. Energy aspects.

Step d) *Ex-post scenario*: quantification and evaluation of the impacts (benefits) following the introduction of LIFE + PERHT services, on the basis of real data/information gathered during the demonstration phase and comparison vs. the baseline and ex-ante scenarios. As part of this phase, long-term extrapolations were also performed by the 2020 perspective.

<i>Analisi degli impatti/benefici ambientali ex-post (su base annua)</i>					
<i>Servizio/Misura LIFE+ PERHT</i>	<i>Riduzione percorrenze (Km/anno)</i>	<i>CO2 (Kg/anno)</i>	<i>NOx (Kg/anno)</i>	<i>PM10 (Kg/anno)</i>	<i>CO2eq (Kg/anno)</i>
Potenziamento LIFE+ PERHT Servizio Bike Sharing	3.900	672,26	1,25	0,03	1063,14
Servizio LIFE+ PERHT BIKE STATION	328.464	56.955,66	105,11	2,82	89.539,29
Misura LIFE+ PERHT L/U AREAS	107.250	25.525,50	85,80	8,58	52.123,50
Servizio LIFE+ PERHT EV RE-CHARGING	172.800	29.963,52	55,30	1,49	47.105,28
Misure LIFE+ PERHT di incentivo all'utilizzo EV/PHEV	0	0	0	0	0
Servizio LIFE+ PERHT COL-TAXI	0	-	-	-	0
Servizi LIFE+ PERHT INFOMOBILITY	75.000	13.005,00	24,00	0,65	20.445,00
Totale riduzione emissioni	687.414	13.005	24	0,65	210.276,21

<i>Analisi dei risparmi energetici ex-post (su base annua)</i>				
<i>Servizio/Misura LIFE+ PERHT</i>	<i>Riduzione percorrenze (Km/anno)</i>	<i>Risparmio energetico veicoli diesel (Kw/h/anno)</i>	<i>Risparmio energetico veicoli benzina (Kw/h/anno)</i>	<i>Totale risparmio energetico (Kw/h/anno)</i>
Potenziamento LIFE+ PERHT Servizio Bike Sharing	3.900	1.993	949	2.942
Servizio LIFE+ PERHT BIKE STATION	328.464	167.892	79.949	247.841
Misura LIFE+ PERHT L/U AREAS	107.250	140.564	0	140.564
Servizio LIFE+ PERHT EV RE-CHARGING	172.800	-	-	*76.816
Misure LIFE+ PERHT di incentivo all'utilizzo EV/PHEV	0	0	0	0
Servizio LIFE+ PERHT COL-TAXI	0	0	0	0
Servizi LIFE+ PERHT INFOMOBILITY	75.000	45.637	63.892	109.529
Totale risparmio energetico	687.414			109.529

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