DEMOCRITOS

DEveloping the MObility CRedits Integrated platform enabling travellers TO improve urban transport Sustainability

www.democritos.ipacv.ro/

concept

DEMOCRITOS project introduces the **"Mobility Credits Model" (MCM)** as a **transport specific platform** that will enable travellers, mobility providers, technology providers and transport planners to understand the implications of climate policy and increasing prices for greenhouse gas emissions and to identify new opportunities in **urban mobility first** and in extra-urban mobility later.

The concept of the "Mobility Credits" was originally developed by the Italian firms Evidenze and Quaeryon with the support of Fondazione Italiana Accenture (owner of the trademark "Crediti di Mobilità"™) and was further developed through the collaboration with the Municipality of Genova.

The "Mobility Credits Model" allows a range of possible implementations schemes, from a "pedagogic tool" to a "mandatory demand management scheme", from a "social network" to "enterprise applications", implementing a **user-centred** approach, where environment goals, accessibility, diversification and affordability have to be integrated.

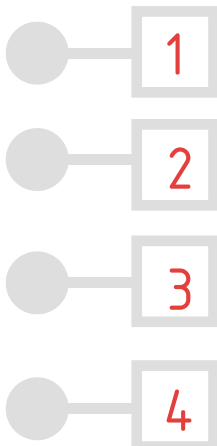The concept of the MCM is based on four pillars:

Define a "sustainable load of GHG (GreenHouse Gases)" in a certain urban area.
Convert the GHG load into a **"total amount of credits"** that will become the common **"currency"** to be spent within an assigned budget limits, using an **Electronic GHG wallet** that will be distributed to all the travelers
Define a set of rules related to the mechanism of using the credits and the Electronic GHG wallet
Exchange credits allowing travelers with **a negative balance** of credits to **buy extra-credits** from other travellers which are **credit-positive**.

implementation steps in

1 Set-up of the theoretical framework of the Mobility Credits Platform (MCP) an define the logical architecture of the MCP

2 Design of the MCP platform architecture to allow different schemes to be implemented according to the context, enablers and local constraints

3 Local development MCP implementation in four cities: Genova (Italy), Stuttgart (Germany), Lisboa (Portugal) and Craiova (Romania)

4 Completion of the MCP schemes based on the results of demonstration action in the four cities, as a system that could be implemented in European municipalities

For municipalities and regional authorities of the consortium:

o They will have a **sound basis to decide upon the adoption of the Mobility Credits Platform as a mean to influence the travelers' choices in order to reduce greenhouse gases**. In this respect, Mobility Credits shall be part of a broader mobility management scheme, where responsibilities and tasks are allocated between public and private sector and between levels of government (local, regional, national European).

For public administrators, municipalities, enterprises, interest groups, communities and citizens in Europe and outside Europe:

o **Consultancies** to have a clear understanding of the concept and of the associated technologies and to **assist** these groups to implement the platform.

For other European administrations at different level (cities, regions, countries):

o **Diffusion actions** in order to make them aware of the benefits in adopting the MCP

For organizations at the European level with particular reference to the transport associations and automotive associations:

o **Diffusion actions** in order to make them understand how the MCP could influence their strategic agendas and their actions for future innovations

Comune di Genova, Italy
(**Coordinator**)
http://www.comune.genova.it

Verband Region Stuttgart, Germany
www.region-stuttgart.org

TRT Trasporti e Territorio S.r.l., Italy
http://www.trttrasportieterritorio.it

TIS.PT Consultores em Transportes, Inovação e Sistemas, S.A., Portugal
http://www.tis.pt

Quaeryon S.r.l., Italy
http://www.quaeryon.com/home.html

Lisboa E-Nova - Agência Municipal de Energia e Ambiente de Lisboa, Portugal
www.lisboaenova.org

SSP Consult Beratende Ingenieure GmbH, Germany
www.ssp-consult.de

SC IPA SA R&D, Engineering and Manufacturing for Automation Equipments and Systems, Romania
www.ipacv.ro

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