

Best Practice template

1. General information	
Title of the practice	Digital technologies at the service of electric vehicle charging
Does this practice come from an Interreg Europe Project	No

Please select the project acronym	DELMONICOS
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Specific objective	Transform the user experience of Electric Vehicles driver and CPO* (Charge Point Operators), through a disruptive offer. <small>*CPO manages and supervises the infrastructure of charging stations, usually in public spaces.</small>	
Main institution involved		
Location of the practice	Country	FRANCE
	NUTS 1	Grand Est
	NUTS 2	Lorraine
	NUTS 3	Moselle

2. Detailed description	
Detailed information on the practice	<p>- What is the problem addressed and the context which triggered the introduction of the practice?</p> <p>Electromobility is an essential element of the energy transition and sustainable cities and is an unmissable element in transport sector evolution. Therefore, facilitating electromobility development will pass by optimizing infrastructures, increasing the number of public charge points and having access to them.</p> <p>Today, EV (electric vehicles) charging ecosystem is still immature and is facing many problems, starting by:</p> <ul style="list-style-type: none"> - Charging session price difference at the same charge point - Lack of real interoperability / roaming between charging station networks, - Multitude of players for the payment process, - and finally, a poor user experience for the EV driver that must deal with many subscription cards to access different networks when he is not in a situation of not being able to charge his car. <p>- How does the practice reach its objectives and how it is implemented?</p>

	<p>Delmonicos wants to make the world of e-mobility easier and aims to allow each electric vehicle driver to be able to charge at any smart charging station without any fear or doubt about the cost they will be charged.</p> <p>To do this, Delmonicos wish to equip each charge point with its innovative and universal software solution "Delmonicos inside" which will be composed of an operating system on top of a monitoring platform.</p> <p>- <i>Who are the main stakeholders and beneficiaries of the practice?</i></p> <p>The main stakeholders and beneficiaries of Delmonicos inside are the:</p> <ul style="list-style-type: none"> - Charging stations Manufacturers: should they upload "Delmonicos inside" solution into their charging station, they will be open to any EV drivers and offer a full roaming solution whatever network they are part of. - Stations owners and CPO: Should they wish to generate traffic to their charging station, they will have to make their charging station available to any EV Drivers. On top of this they will benefit from an ergonomic and free supervision platform that will be directly connected to their charging stations which will offer roaming, monitoring (access, costs, consumption, etc..) and a free application developed for EV drivers willing to subscribe to Delmonicos inside delivering multiple services (payment, localization, transaction data, etc..) - EV drivers: they will have access to an international network of charging station with a unique mobile App offering competitive charging rates and fee, as we would avoid multiple players starting by aggregators.
Resources needed	As a start, Delmonicos will onboard around 20 people to set up and run the company for the first year. The plan is to be roughly 100 people in 5 years. In terms of financing, Delmonicos leveraged 2m€ from an Industrial partner.
Timescale (start/end date)	Started June 2021.. will never stop..
Evidence of success (results achieved)	Delmonicos will facilitate electromobility adoption by optimizing the charging process while enhancing security and simplifying the user experience. Today, multiple actors are involved during the charging process to ensure that payment is processed and completed according to the EV Driver's consent. Delmonicos will rationalize, optimize, simplify this ecosystem, and therefore participate in the development of open public charge points. In addition, it will create real roaming of charging station networks.
Difficulties encountered/ lessons learned	<p>As the electromobility ecosystem is still immature, several difficulties have been and will be encountered :</p> <ul style="list-style-type: none"> - Pressure from existing players in place, - Acceptation of electromobility by general public, (fear to shift to EV..) - Changes in national and European public policies (less subvention, etc..).
Potential for learning or transfer	<p>Europe is willing to strongly support and help the electric vehicle market development. Thanks to European Government initiatives, as it is now commonly accepted that only EV will be sold by car manufacturers in few years.</p> <p>To make the story short, Delmonicos wishes to be at the heart of this transition by providing a simple and intuitive charging solution and propose it to the whole world and simplifying the deployment of electric vehicles.</p> <p>The more Delmonicos network will be widespread, the more efficient the solution will be. This is the reason why Delmonicos will have to equip each charging station with its "Delmonicos inside" solution to offer all EV Drivers of each place in the world the possibility to charge at any charging station.</p>

	To achieve this challenge, Delmonicos is using “Polkadot ecosystem” based on trusted third parties and provides to our future EV Driver a simple and disruptive interconnected solution. This new generation of Blockchain is built on a consensus that is energy efficient and low consumption of resources to support the electromobility’s values, which are ecological, social, and technical.
Further information	<i>Link to where further information on the good practice can be found</i>
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