

17-21 JUNE 2019

# EU SUSTAINABLE ENERGY WEEK

SHAPING EUROPE'S ENERGY FUTURE



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# Smart Regions – Smart Solutions

VULe: Shared & electric mobility applied to...  
commercial vans



# VULe Partagés

Shared electric mobility for professionals in the heart of Paris

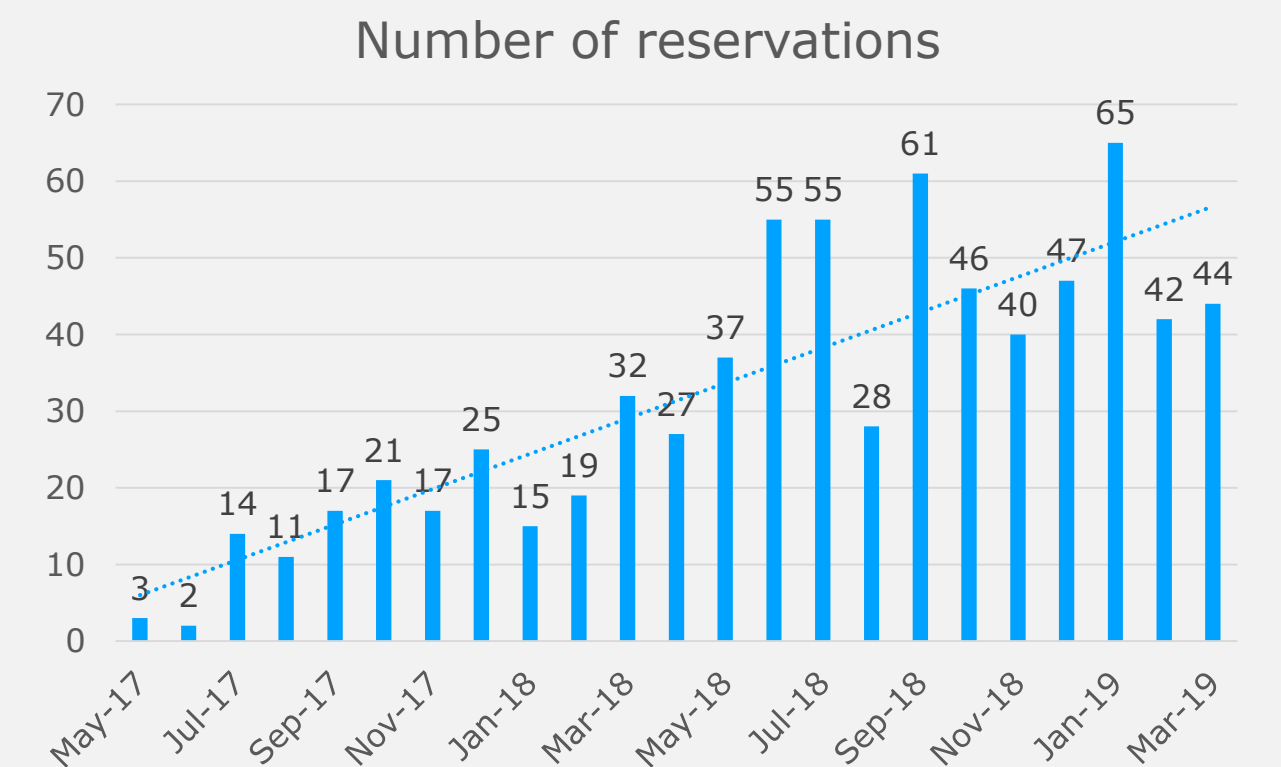


Preparing the Energy Transition

Preserving economic activity



- 5 professional and electric vehicles, with one hybrid hydrogen
- Around 20 retailers and professionals use the service every month
- More than 100 registered outlets



Challenge: achieving efficient city logistics using clean mobility



# VULe Partagés

What barriers have been (/are still) faced?

1

Ensuring availability of vehicles without control over charging

2

Controlling access to parking without strong regulation and cooperation

3

Changing Habits

Internalized supervision of charging stations that could allow for a completely controlled user experience both on energy and on mobility guaranteeing the best availability, the best user expérience, the best carbon footprint

Better communication (non existent as of today)

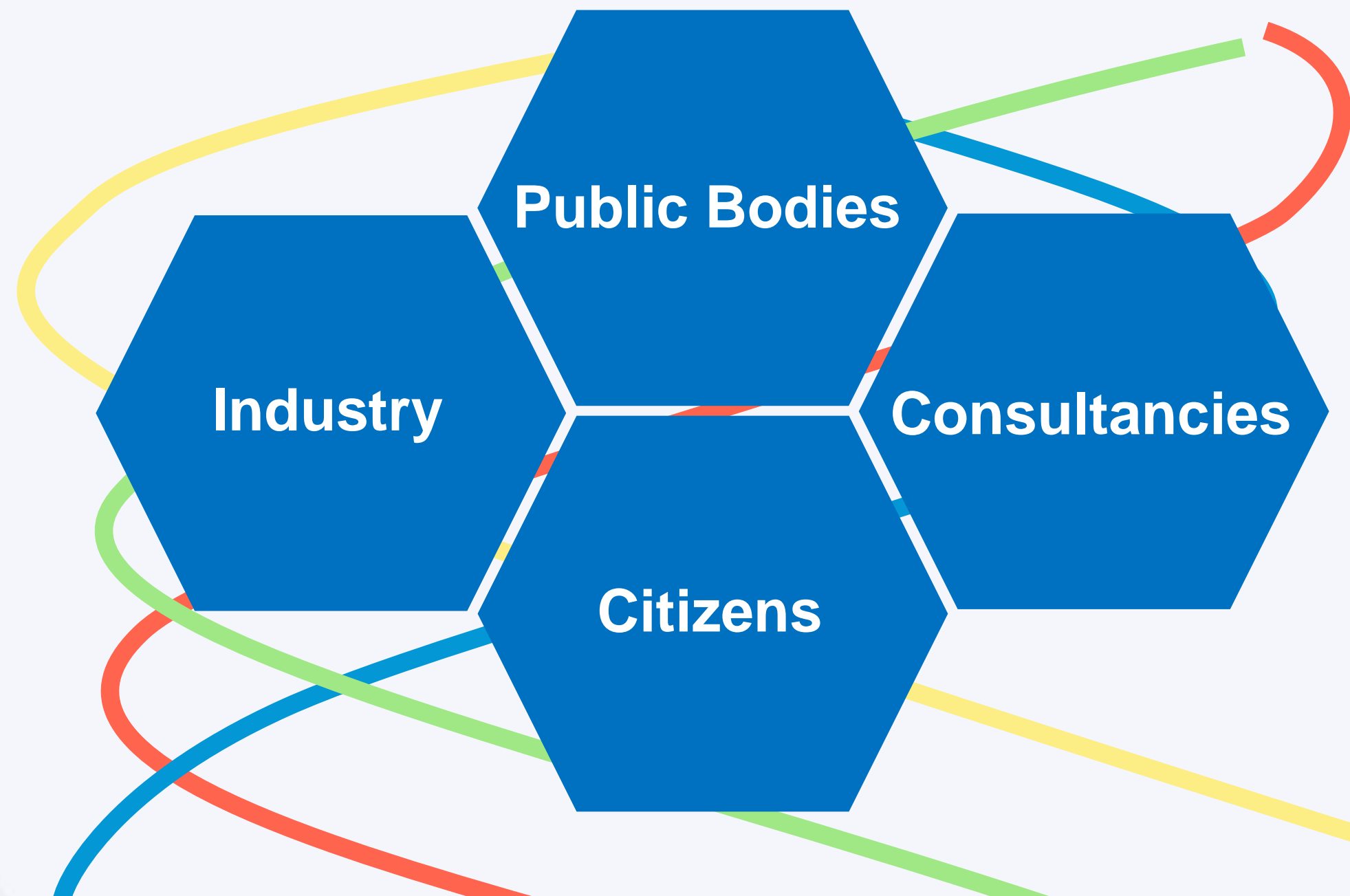
Offering exclusive advantages to users (ie strong political support)

Solutions



# VULe Partagés

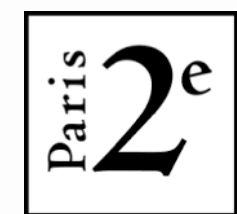
A collaborative project, in need of more integration



A project based on partnerships

MAIRIE DE PARIS

îledeFrance



A collaboration between several actors made possible by the City's and Region's leadership. But also a potential for collaboration between energy and mobility, that could contribute to the development of an integrated smart city.

(Somewhat incomplete) collaboration could not prevent complications at set-up, but engaging with citizens has been crucial in eventually spreading adoption.

# VULe Partagés

## Collaborating with other ecosystems



Interoperability between different mobility and charging systems. Both intracities and intercities to allow for optimal mobility of citizens (and goods) and for a simplification of all mobility related subscription processes



Attracting users of complementary services, that are part of different industry groups



Working towards smarter cities, with integrated mobility and energy systems, based on users' needs rather than on demonstrating technologies

### *How?*

- Providing support for the development of integrated solutions either through one integrator or by fostering stronger partnerships
- Strong policies favoring the use of the electric car (electric-only streets, or parking spots for instance), particularly under the condition of smart charging management
- Simplifying processes for public authorities who want to launch trials for innovative and « clean » mobility services



# VULe Partagés

## Recommendations to Horizon Europe strategic planning:



### **Sustainable, inclusive and circular bio-based solutions.**

*Clem' could be involved in innovative clean mobility projects leveraging methanisation or micromethanisation that could be experimented in new ecodistricts*

### **Clean, connected, cooperative, autonomous and automated solutions for future mobility demands of people and goods.**

*Clem' can provide feedback on existing projects for mobility of people as well as goods, and can also participate in future projects, for instance for the repetition of the VULe experiment in a different location, one that could leverage lessons learned*

### **Climate Neutral and Smart Cities**

- Facilitating experimentation led by cities, gathering the right partners
- Foster the exchange and development of skillsets by local authorities to lead these projects
- Encouraging all cities, including smaller and less urbanized territories to tackle these topics



Thank you

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