

# CATIMINI<sup>2</sup>

## Ability of territories to integrate mobility innovations

### Key Facts



**Funding Agency**  
ADEME



**Call topic**  
Sustainable energy, Axis:  
Electro-mobility and  
energy networks



**Duration**  
10/2016 - 01/2019



**Coordinator**  
European Institute for  
Energy Research (EIFER)



**Partners**  
CNRS UMR 7300 ESPACE

Institut Méditerranéen, du  
Risque, de  
l'Environnement et du  
développement durable



**Website**  
<https://www.eifer.org>

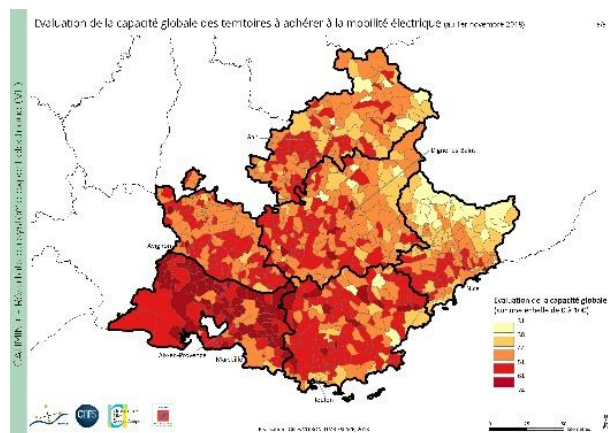
<https://www.geomobinn.fr/etudes-ademe/>

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### Project Objectives

The CNRS Laboratory ESPACE based in Nice (FR), in collaboration with EIFER (the European Institute for Energy Research) has carried out a research project on "the ability of territories to integrate to electric mobility toward sustainability" (CATIMINI<sup>2</sup> project)". The objective was to characterize the spatial components of battery and hydrogen mobility systems. For each municipality, an expert system was developed and calculated as well as the potential to adapt electro mobility (battery or FCEV). The method experienced in the PACA region is intended to be extended to the entire national territory.



UMR ESPACE, ADEME Report

### EIFER ´s Contribution

EIFER was responsible for the coordination of the project, the study of actors involved in the deployment of clean mobility (description of the systems of actors and the ecosystem put in place to promote the electric and hydrogen modes) and for the elaboration of a methodology for the analysis of electric mobility potentials at the neighborhood level. The methodology has been applied to the metropolis of Nice Côte d'Azur.

### Contact

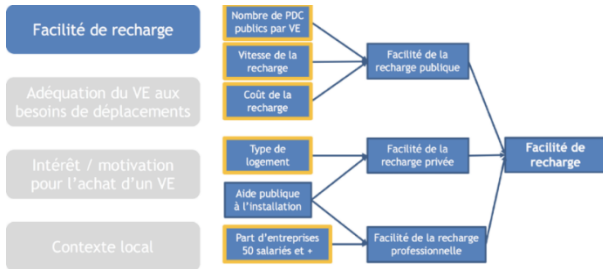
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# Results

- Two levels, study based on the analysis of
  - > 953 municipalities at regional level
  - > 49 municipalities and 236 IRIS at Nice Metropole level
- Mapping and simulation of the potential for the deployment of the electric and hydrogen mobility

## Regional level



**Variables hydrogen vehicle purchase**  
Included in expert system

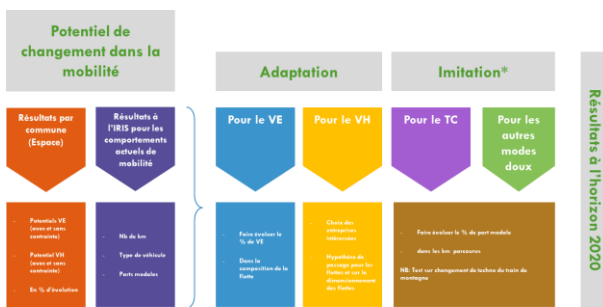
[www.geomobinn.fr/fonctionnement-systeme-expert-catimini/](http://www.geomobinn.fr/fonctionnement-systeme-expert-catimini/)



**Simulation of the ecosystem hydrogen**  
Through user interface developed by ESPACE

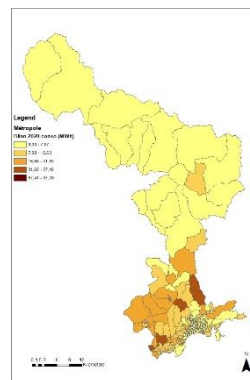
[www.geomobinn.fr/evaluez-territoires-catimini/](http://www.geomobinn.fr/evaluez-territoires-catimini/)

## Metropole level



**Mobility's characteristics**

RFTM 2019



	Plan Masse	Etq. Énergie initiale	Etq. Énergie potentiel
Vieille ville		A+	A++
Compact urbain		B	A+
Grand ensemble		D	A
Petit collectif		E	C
Pavillonnaire		E	E
Zone d'Activité Commerciale		E	B

**CO2 consumption and energy label for Nice Metropole**

RFTM 2019

## Publications

Sevenet, M., C. Voiron, E. Nimal, G. Voiron and A. Brisse (2018). CATIMINI<sup>2</sup> - Capacité des Territoires à Intégrer les Innovations de Mobilité. Journées R&D ADEME/ANR "La Recherche au service de la transition énergétique". Issy les Moulineaux.

Nimal, E., M. Sevenet, A. Brisse, C. Voiron and G. Voiron (2019). Identification de la typologie de morphologie en corrélation avec les besoins de déplacements. RFTM. Montréal: 23

Voiron-Canicio, C. and G. Voiron (2020). Assessing the territorial adoption potential of electric mobility: geopropective and scenarios. Ecosystem and Territorial Resilience: A Geopropective Approach

<https://www.researchgate.net/project/CATIMINI-Territories-capacity-to-incorporate-an-innovation-of-mobility>

[www.geomobinn.fr/evaluez-territoires-catimini/](http://www.geomobinn.fr/evaluez-territoires-catimini/)

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