









Capacity of territories to integrate the innovations of electric battery and hydrogen mobility (CATIMINI)

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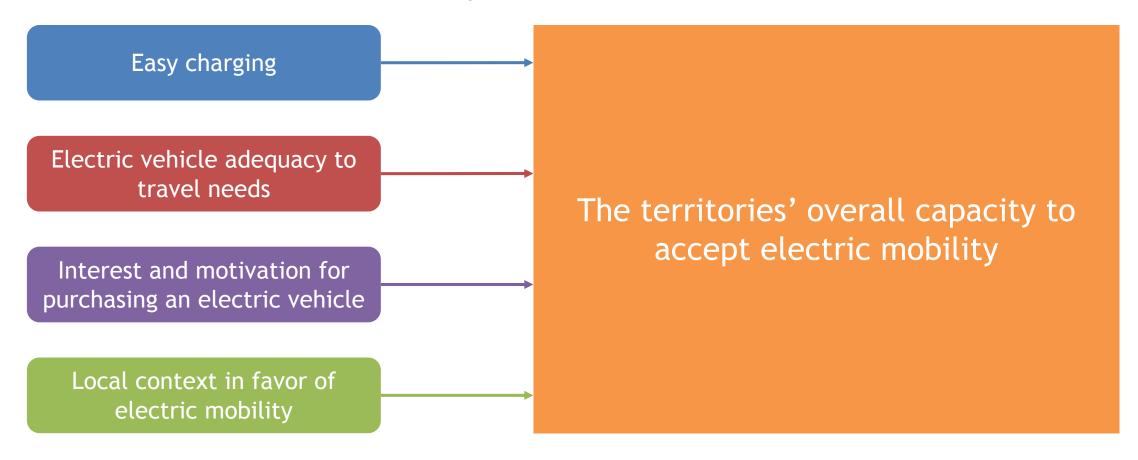


Electromobility, an innovation highly dependent on the territorial context

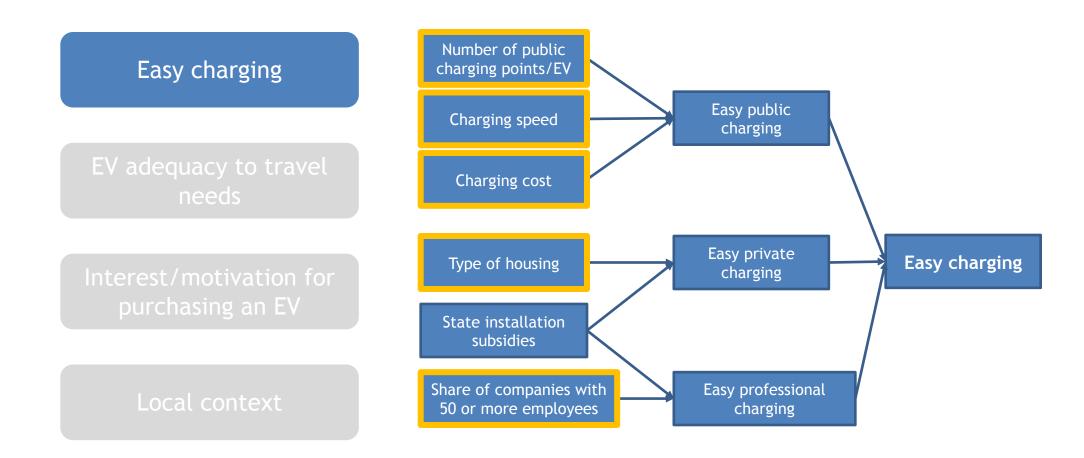
- A research project financed by ADEME (the French environment and energy control agency)
- Numerous studies on particular aspect of EV, but not many studies about global electromobility system

✓ Target: to show how the electromobility is highly dependent on the territorial context

The conceptual model of the electric mobility's territorialized system
 Four main families of components

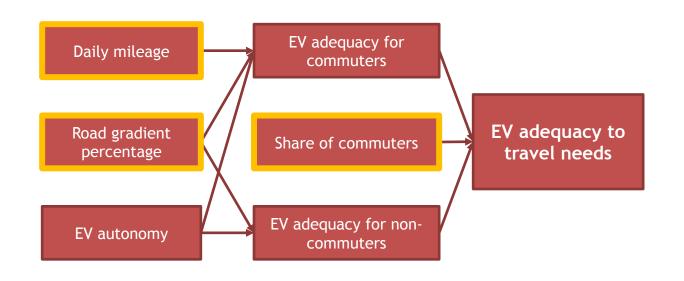


The conceptual model of the electric mobility's territorialized system

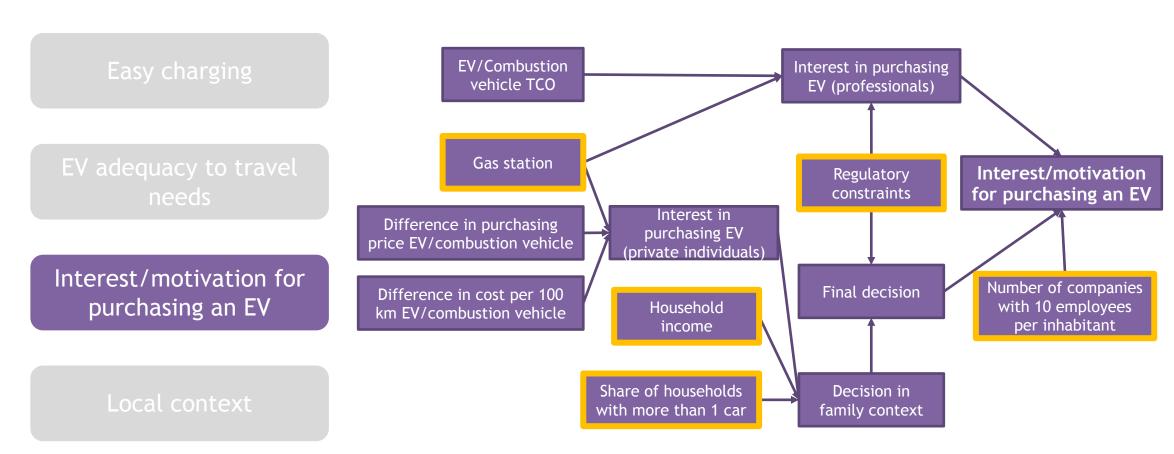


The conceptual model of the electric mobility's territorialized system

EV adequacy to travel needs

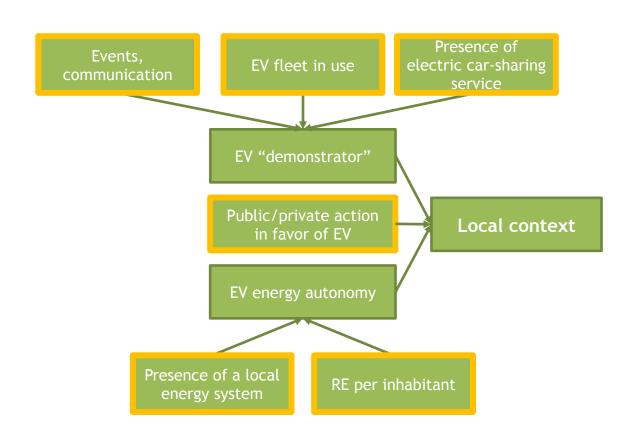


The conceptual model of the electric mobility's territorialized system

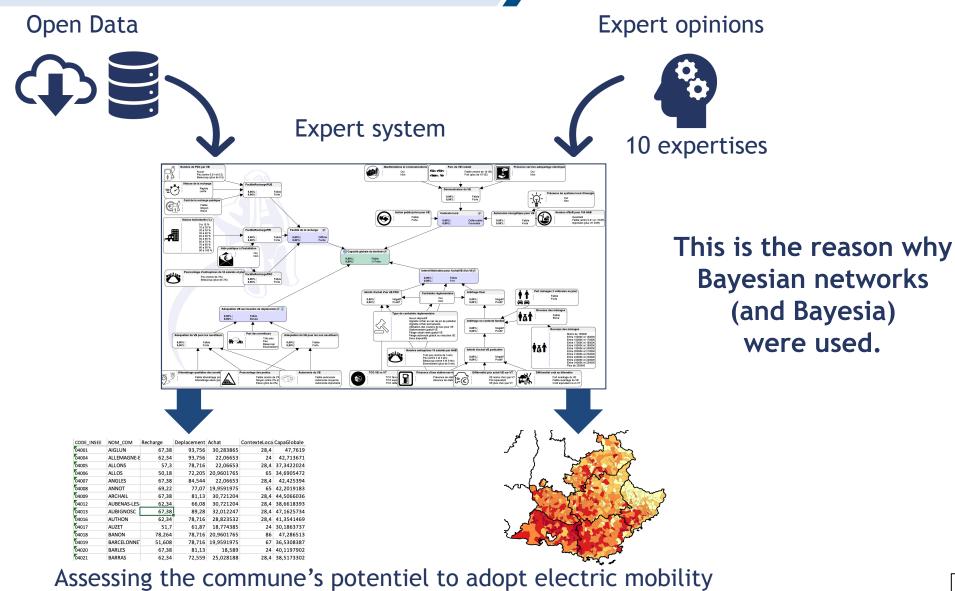


The conceptual model of the electric mobility's territorialized system

Local context



Structure of the territorialized system of electromobility

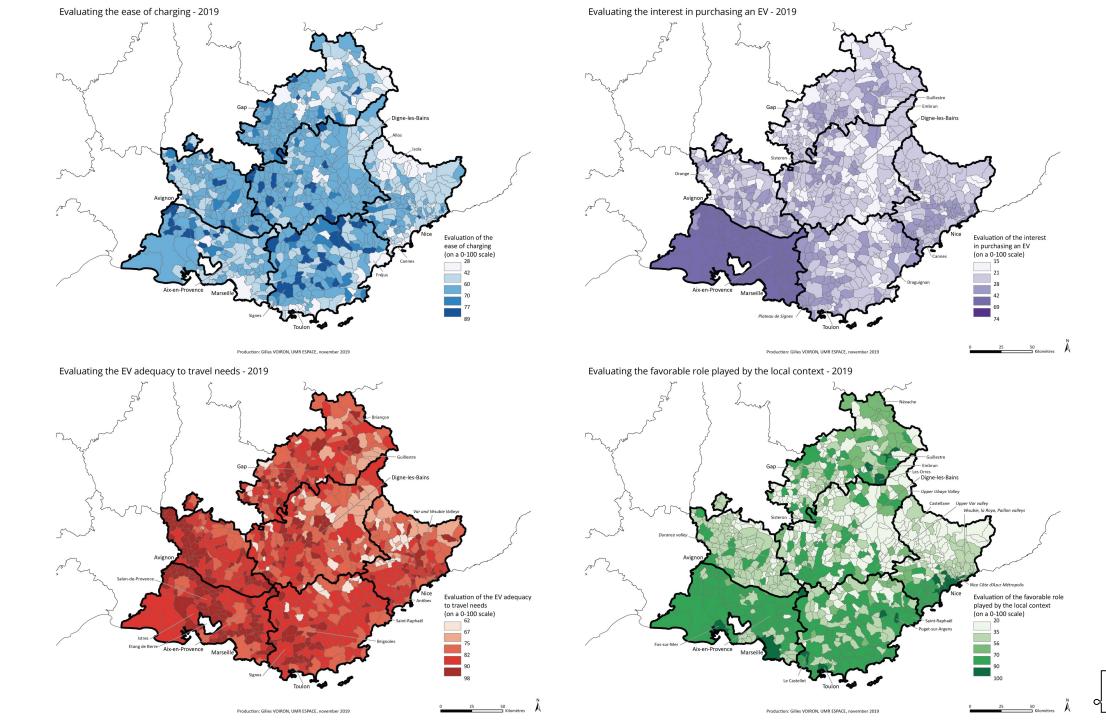


Analysis of the expert system's results

Outputs

Commune	The territories' overall capacity to accept electric mobility	Easy charging	Electric vehicle adequacy to travel needs	Interest and motivation for purchasing an electric vehicle	Local context in favor of electric mobility
Commune A	34 %	59 %	62 %	16 %	94 %
Commune B	50 %	87 %	80 %	25 %	84 %
Commune C	21 %	36 %	52 %	16 %	29 %
Commune D	36 %	46 %	67 %	34 %	69 %

Maps



Evaluating the overall acceptance capacity for electromobility - 2019 >Vaucluse ل Haute-Provence Maritimes & Bouches-du-, Barcelonnette / Digne-les-Bains ✓ Upper Verdon Valley Avignon Evaluation the overall acceptance capacity for electromobility (on a 0-100 scale) 26 Aix-en-Provence

Operational results

Analysing the results of the expert system in relation to the EV fleet



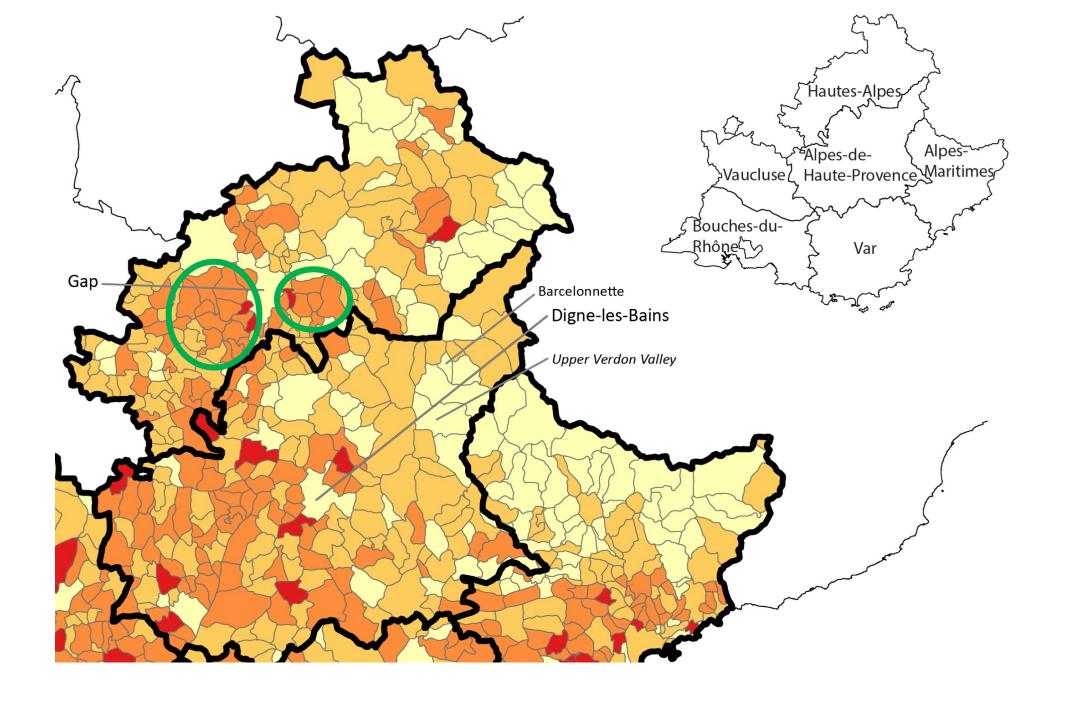
Detecting stake-laden territories:

Two situations



High potential but few EVs

Low potential and few EVs



A website : www.geomobinn.fr

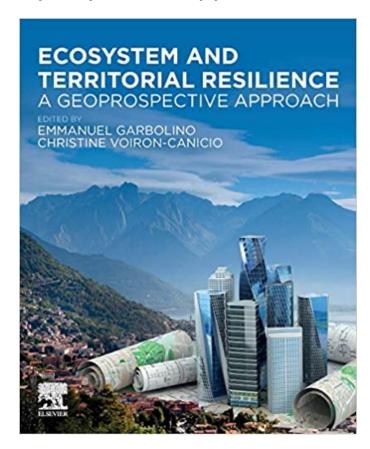








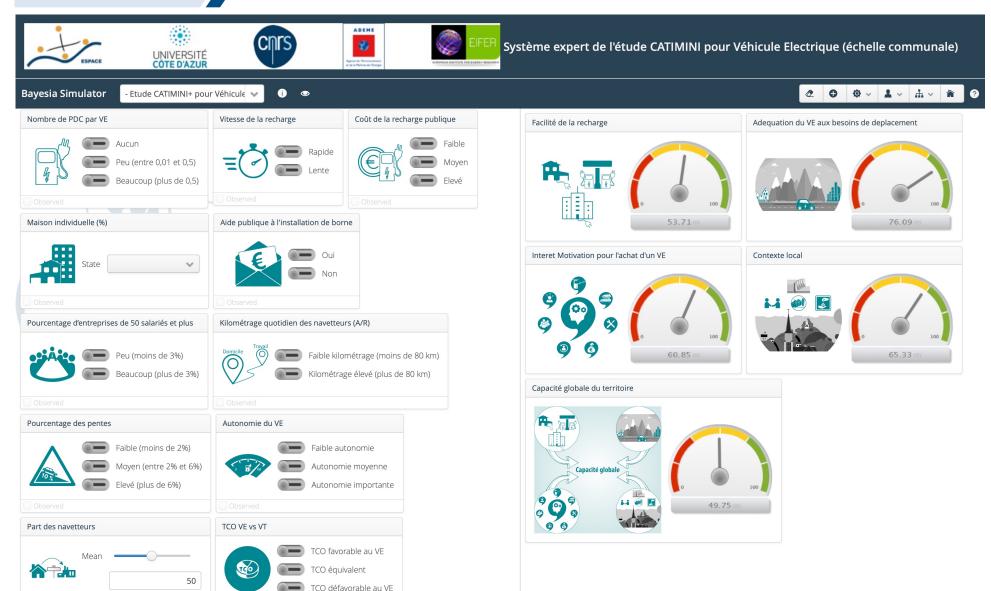
Ecosystem and Territorial Resilience: A Geoprospective Approach





Observed

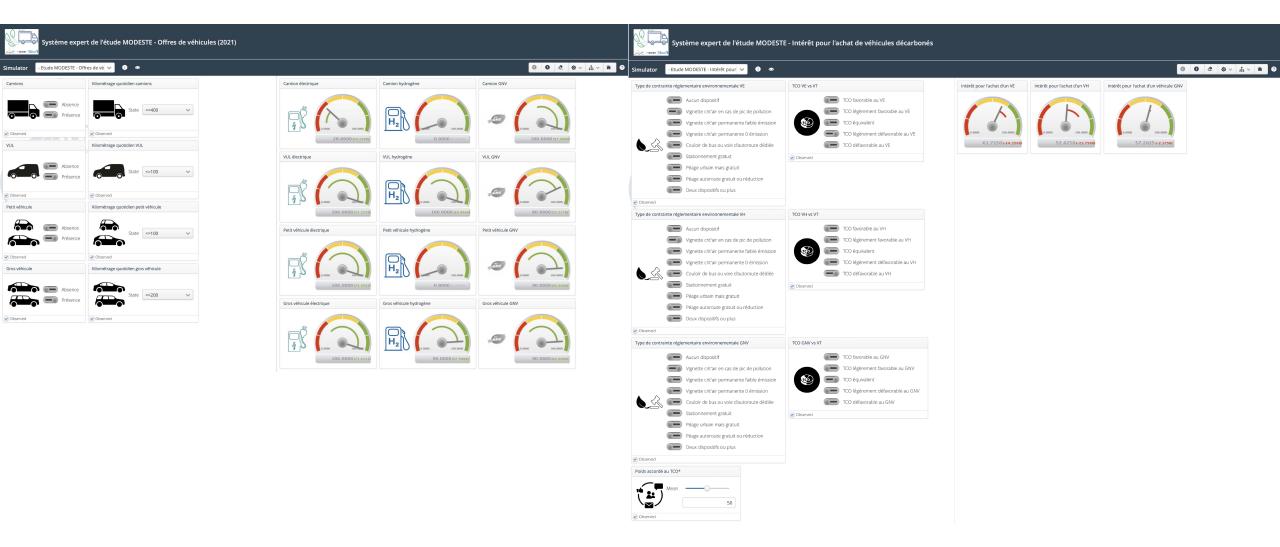
https://simulator.bayesialab.com/#!simulator/178044398222



CATIMINI's websimulator



MODESTE's websimulator



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