







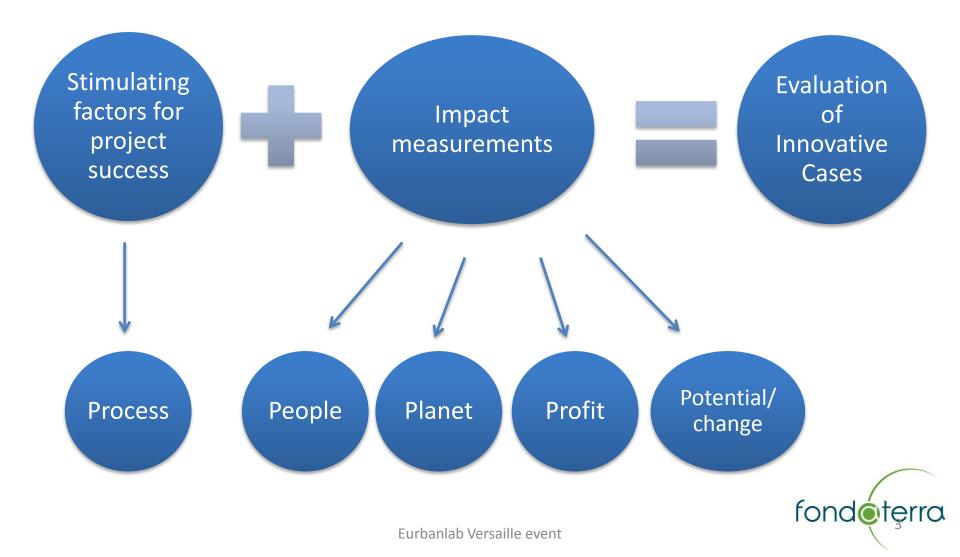
## fondéterra

#### A transition Model towards low carbon & resilient cities Fondaterra, European foundation for sustainable territories

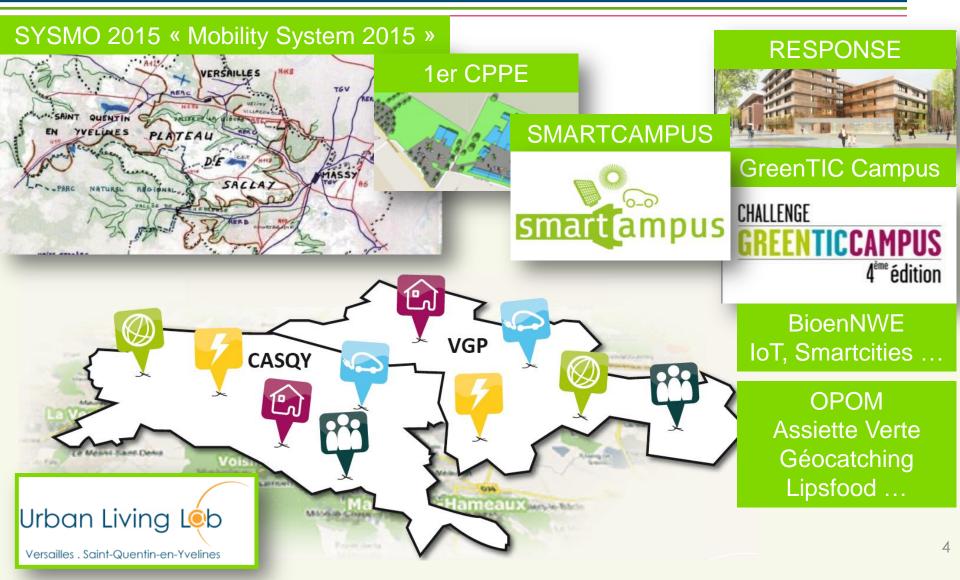


## Evaluation of Innovative Cases

So,

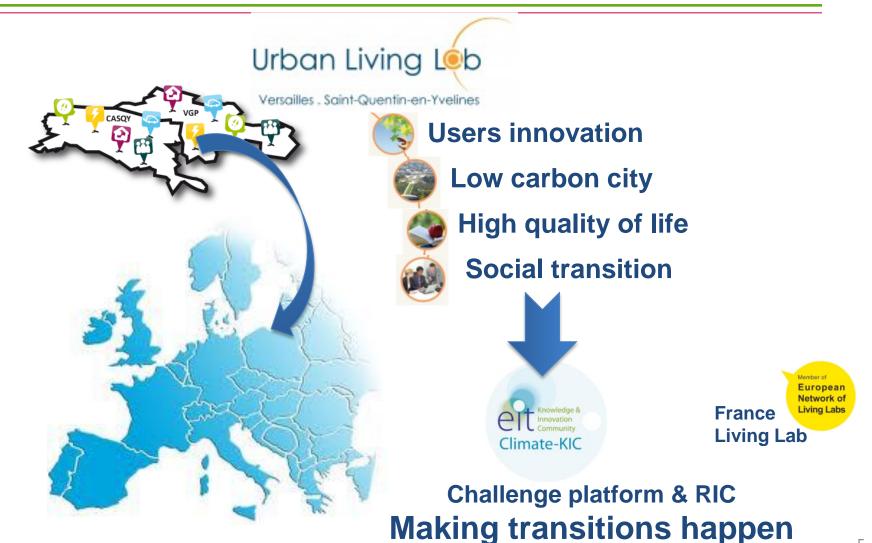


## **Transition in practice** From local urban living lab ...



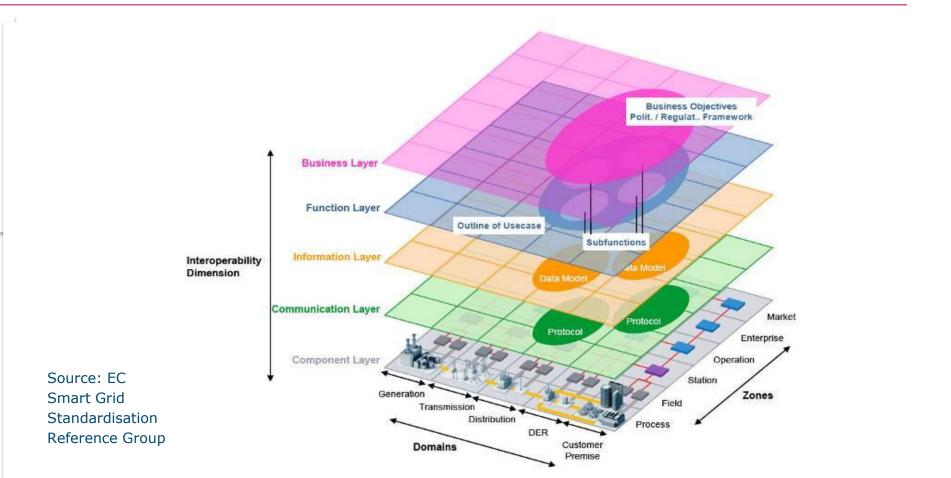
## **Transition in practice** ... to global ...





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# From urban ecology for a sustainable city ... to smartgrids



Interoperability, regulatory and security issues, demand elasticity, shared value models ...

# Sysmo -> Mobility and urban planning for smart places



# Sysmo -> active and interactive mobility



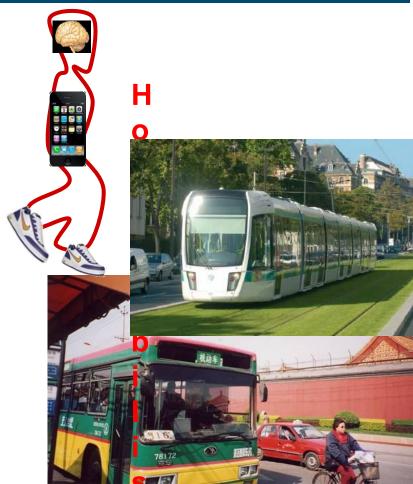


Public Transport: A link in the mobility chain, enhanced cooperation between operators, new governance models

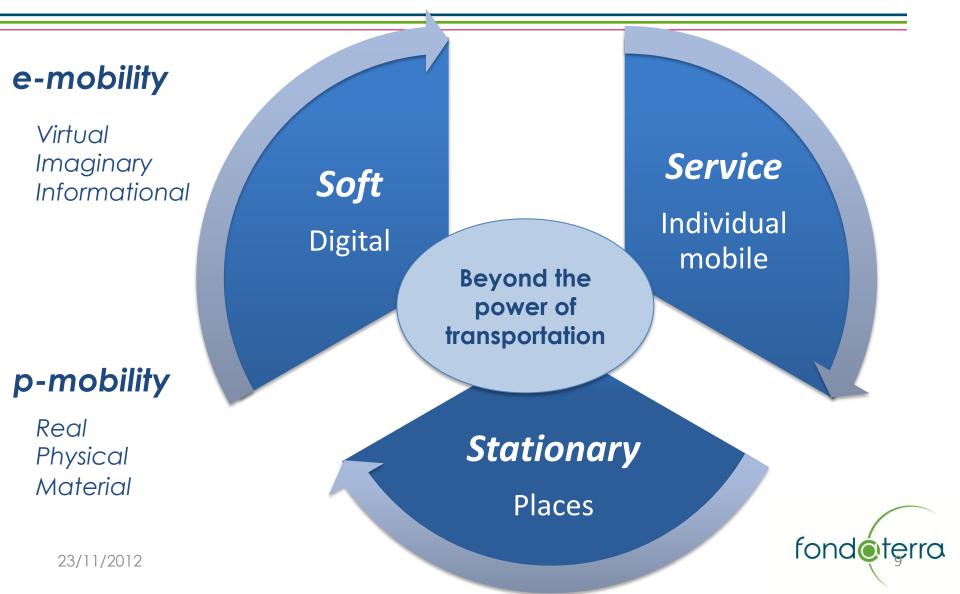
<= Paradigm shift : individual public transport

=> New skills ... Design, Service Design, Gaming, Animation of Communities ...

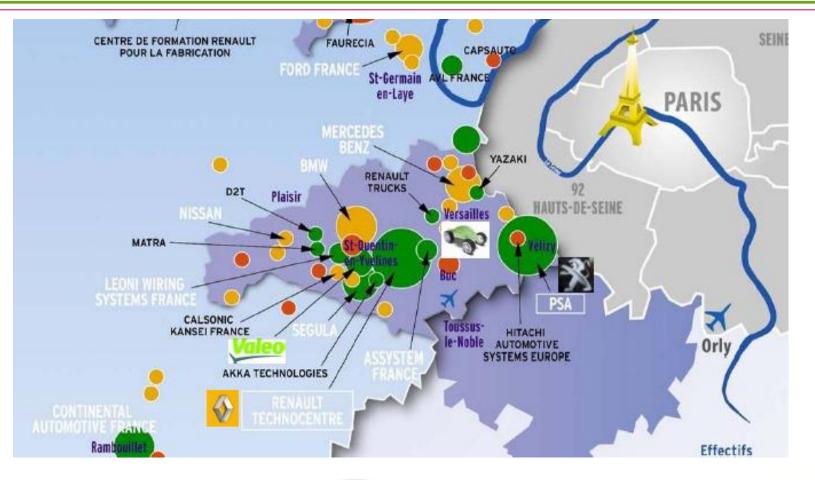
### Multimodality, principle urban ecology: The diversity modal



Smart mobility -> Sysmo, a french national investment program



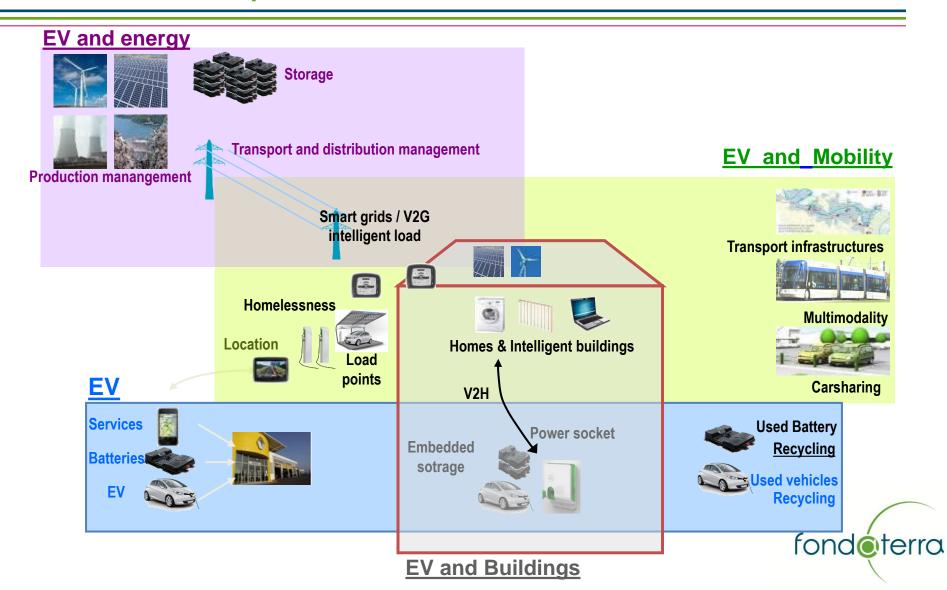
# A local context : the french automotive valley



INSTITUT



# EV in its energy and mobility ecosystem



Smart Campus project



Smart grid technologies demonstrator linked to electro-mobility and building energy efficiency to support territories climate change adaptation



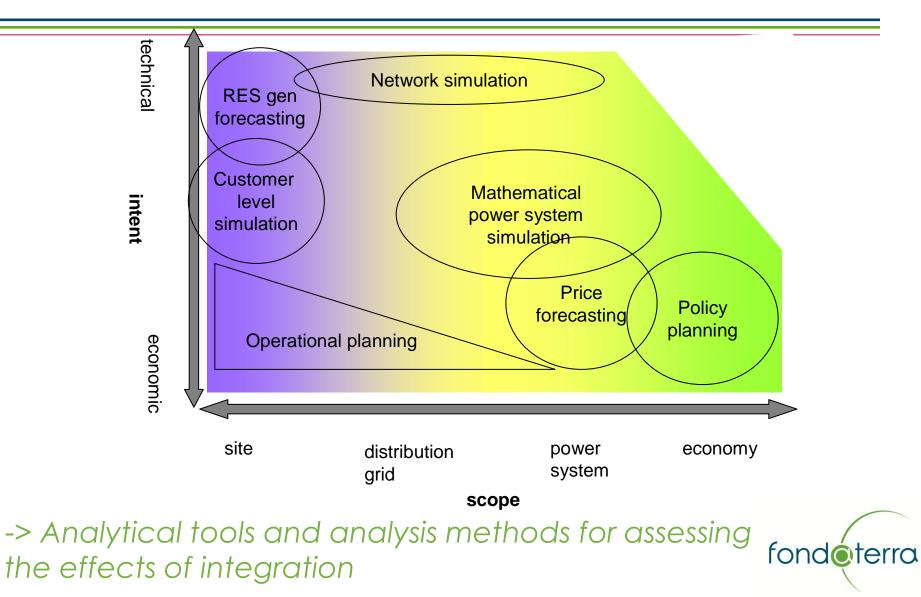
RESPONSE, a student residence as a living lab

- Iso rooms / 4000 m<sup>2</sup>
- Levers to meet all locks (technical, economic, legal, social and environmental) arising from the conduct of an « energy positive and low Carbon » student residence (LCA)
- Integrate and optimize the design phase at all stages of the life cycle
- New ways of contracting like « green lease »





#### Opportunities for research and education Example on smartgrids



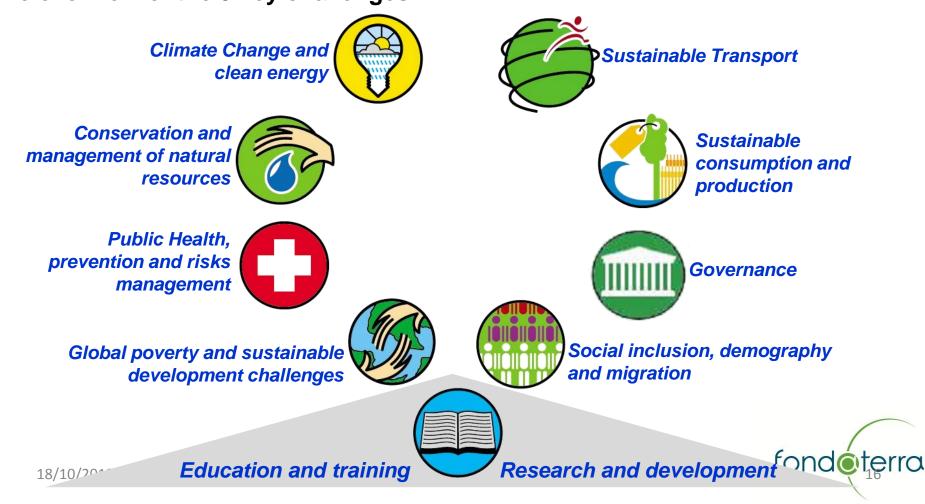


#### FONDATERRA: DRIVING SUSTAINABLE DEVELOPMENT OF CAMPUSES AND OPERATING UNIVERSITIES AS LIVING LABS



#### European and French contexts

The EU and the French Sustainable Development Strategies' : The overview of the 9 key challenges



#### CPU-CGE Green Plan framework: a strategic tool for institutions



# Fondaterra's national and european support



Support students innovations and entrepreneurship



- National students challenge promoting innovation and entrepreneurship in higher education institutions
- 4<sup>th</sup> edition this academic year : Innovate for a sustainable campus !
- Creation of the "Club young trees" : network of previous challenges candidates who became entrepreneurs, to allow the sharing of experience and best practices, by organizing regular meetings



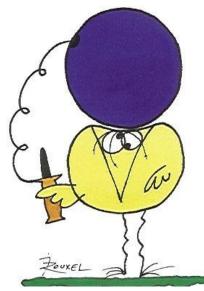


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Les devises Shadok



Continually trying, we finally succeed. Therefore more it fails, the more likely it is to succeed