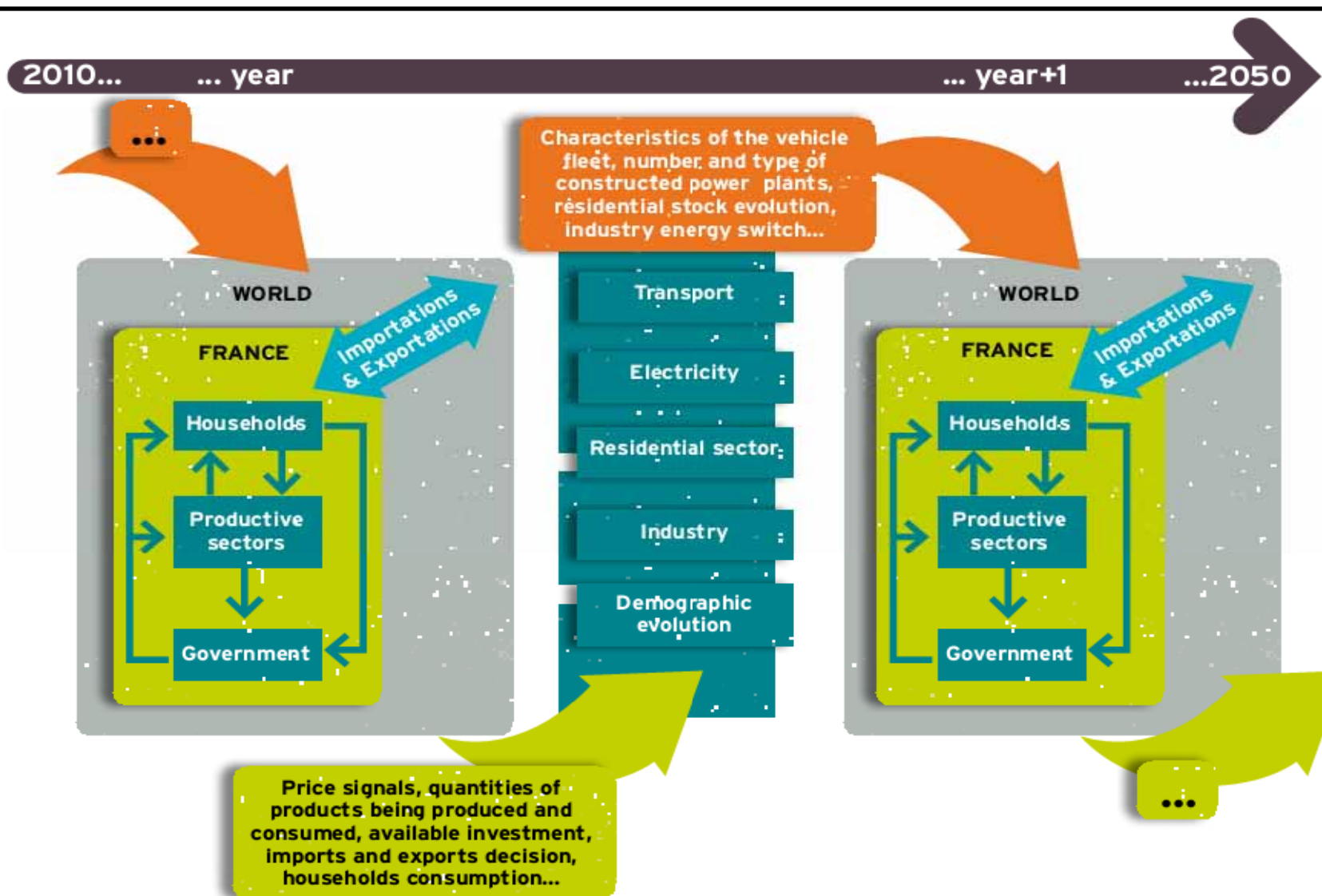




Imaclim-R: An Energy-Economy Model for France

A Macroeconomic Framework to Analyze the Long-term Interactions between Economy and Energy

The recursive architecture represents long-term growth and mechanisms, which explain short term fluctuations: imperfect expectations, partial use of production factors, inertia at different levels: equipment, techniques, preferences, trade flows or capital flows.



Each year, equilibrium of energy flows, goods markets, financial fluxes

Between two successive equilibriums, dynamic modules represent the evolution of techniques and stocks of production factors (capital, work, natural resources)

In this project, the scenario definition is conducted by involving French stakeholders to foster acceptance.

The model can answer questions like:

- What is the impact of inertia on mitigation costs?
- What if certain technologies are not available?
- What is the impact of lock-in in fossil fuels?

