

The low carbon revolution

Laurence Daziano,

Lecturer in economics, Sciences Po

CEO Emerging Markets Partners



Low carbon economy as prerequisite for those making decisions and for those innovating

- **Low carbon economy as an imperative of public policy, especially in big emerging countries.**
- **Tesla electric car revolution**

Substantial increase in energy demand in the world

- Increase by 30% of the worldwide energy consumption in 2040.
- Increase mainly driven by strong growth in India and China.
- Increase by 60% of electricity use

Energy giants to change their business model

- American revolution with shale oil and gas paradoxically leading to a polluting reindustrialization in North America
- Turn of Saudi Arabia with its new plan Vision 2030 to the privatisation of Aramco and the will to go nuclear
- French energy industry undergoing a radical transformation towards low carbon economy (Engie, Total).

And nuclear energy?

- Part of the response to the low carbon economy, but with two mitigation elements:
 - Capital intensity of the industry
 - Full cost of a life and the dismantling of a power plant.
- Future of nuclear power in emerging countries
 - BENIVM: Bangladesh, Ethiopia, Nigeria, Indonesia, Vietnam & Mexico

What link between a Tesla car and a nuclear power plant?

- **Build a new nuclear model for the 21st century with smaller, safer, affordable and exportable power plants.**

**Thank you
for your attention**

Laurence Daziano



- **CEO of Emerging Markets Partners**

- Author of « *Les Pays émergents: Approche géoéconomique* », Armand Colin, 2014
- Author of “BENIVM: Bangladesh, Ethiopia, Nigeria, Indonesia, Vietnam and Mexico. The New Wave of Emerging Countries”, Fondapol, 2013

- **Lecturer in economics at Sciences Po Paris (*Emerging Economies & Societies*)**

- **Member of the Scientific Council** of the French Foundation for political innovation (Fondapol)