

Energy sovereignty: which challenges for the industry?

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Key messages

A predictable and sustainable framework

- In order to achieve huge investments expected, the electricity industry needs a stable framework

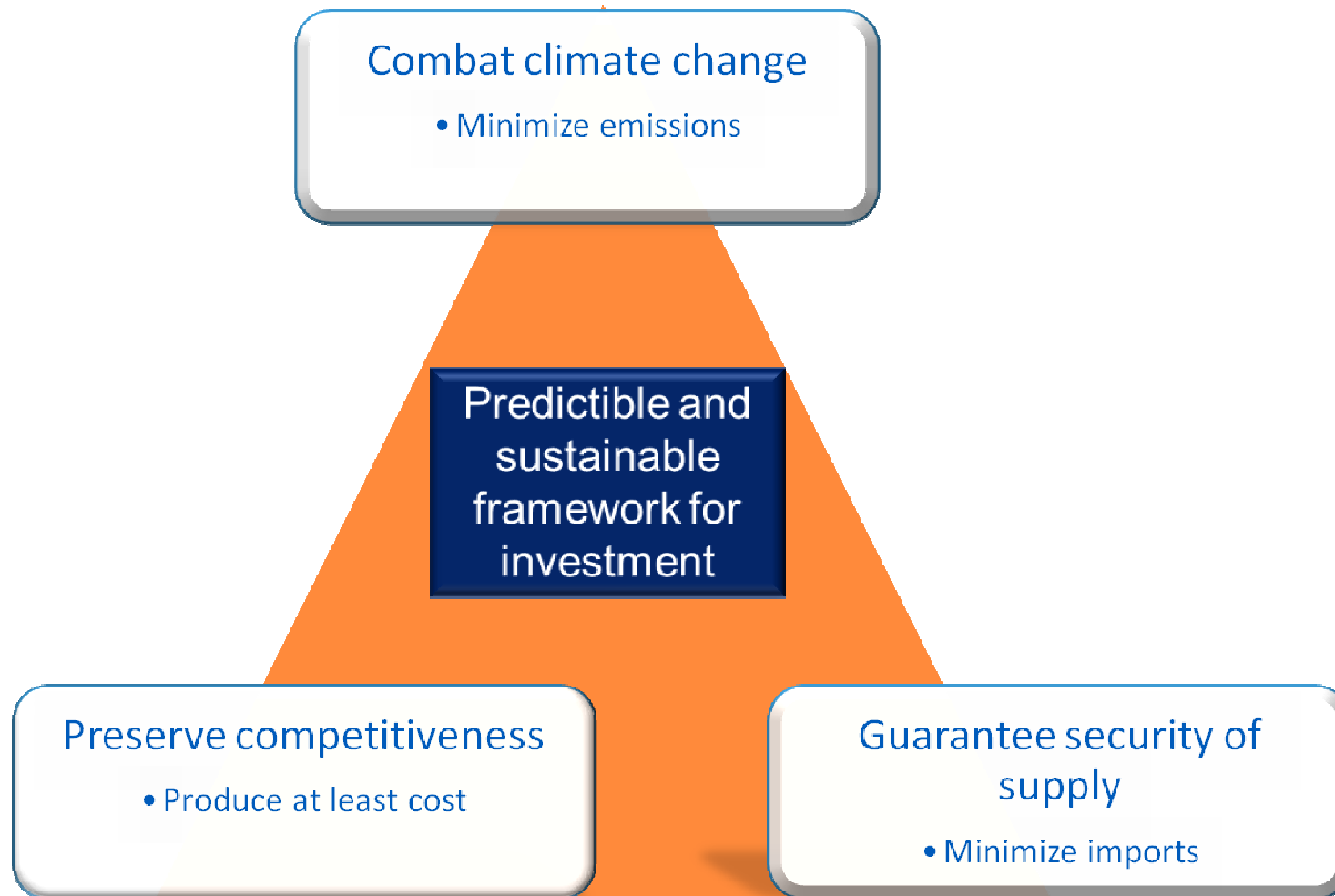
Security of supply: one of the issues

- Security of supply, an essential element of European sovereignty, is key but has to compromise with other major objectives

A significant contribution to sovereignty

- Still in the next decades the energy industry is likely to develop in a way which will enhance European sovereignty

The industry cannot separate the sovereignty issue from the rest of the investment framework



The industry is preparing to huge investments

Cost of single projects

- Offshore park (French tender): 1-2 bn€
 - Large coal-fired plant: 2 bn€
 - Interconnector F – E: 700 M€

Total investment expected in Europe

- 2010-2020 (before Fukushima estimate)
- Generation 500 bn€ (RES >300 bn€)
 - Networks 600 bn€

Huge investment in R&D needed

- smart grids
- renewables
- storage, etc.

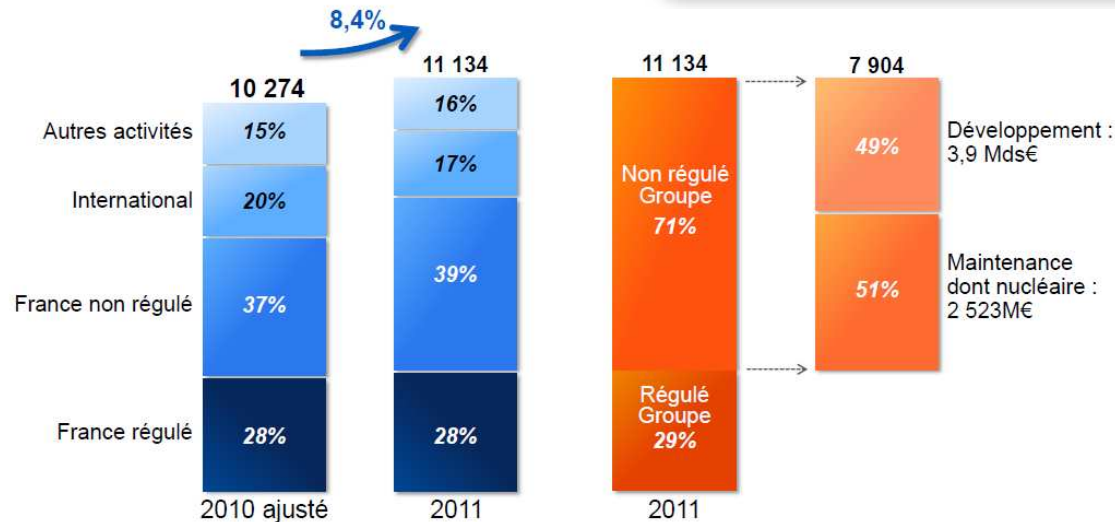
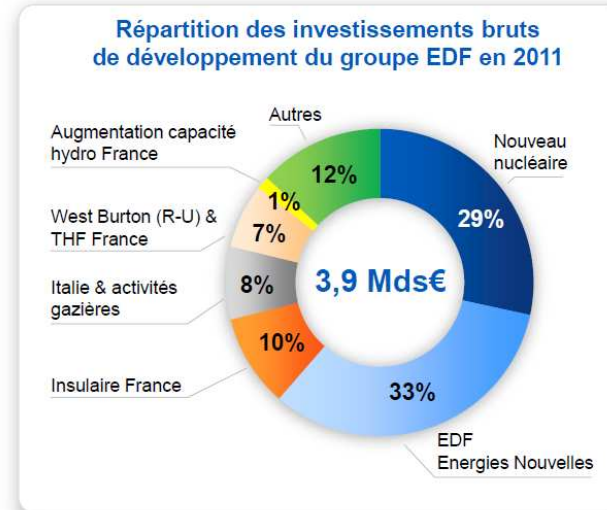
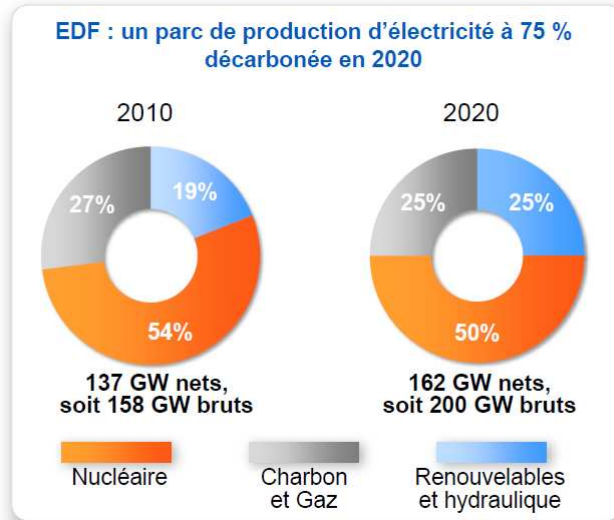
Attracting and training human resources

- e. g. EDF to recruit and train in order to compensate 40% of HR by 2020

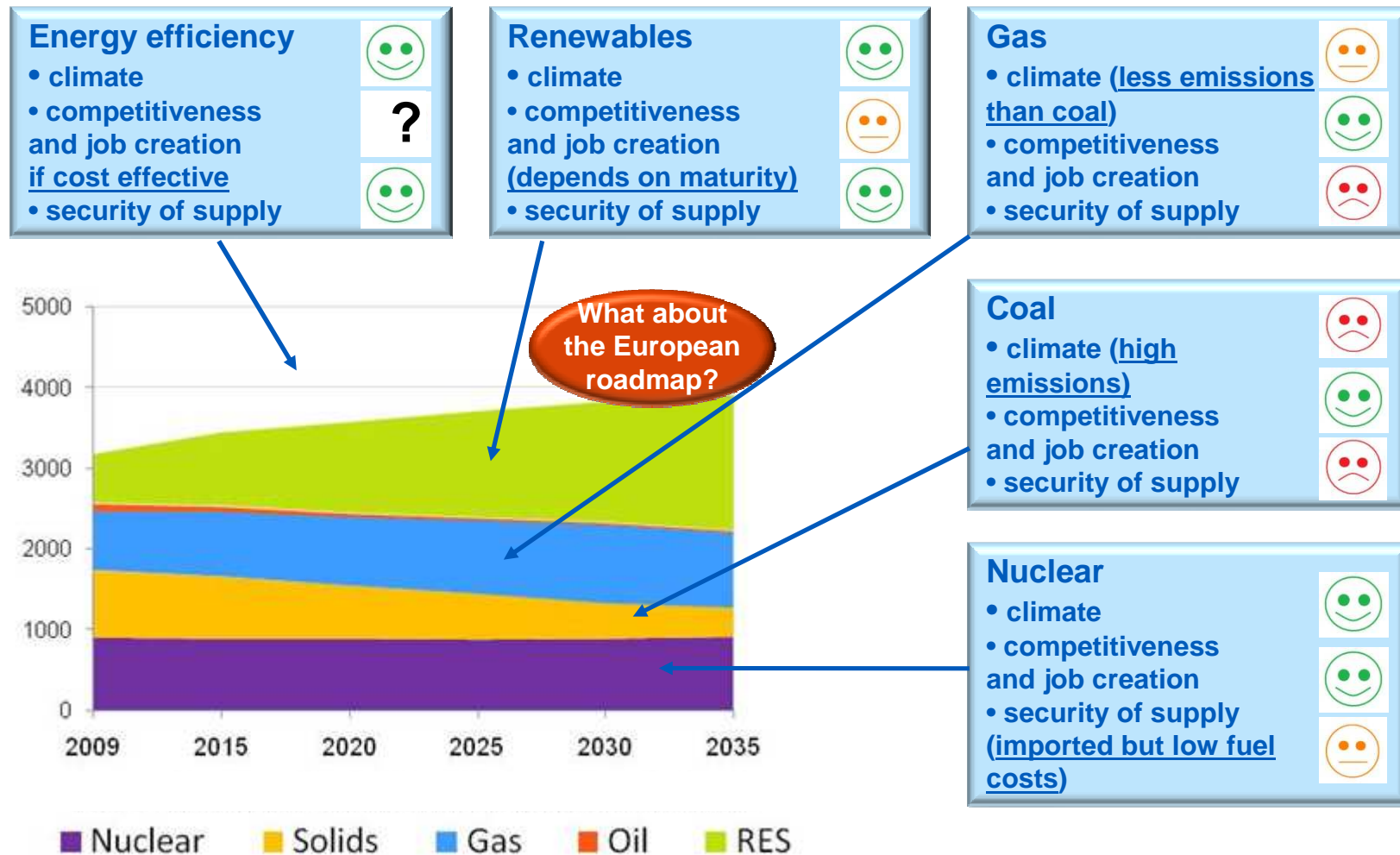
Create Europe-wide partnerships

- in order to develop new technologies

An exceptional challenge for major actors of the industry



Sovereignty issues have to compromise with other targets of energy policy



A sustainable framework does deliver European sovereignty

