Nuclear Innovation initiatives

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April 2017
Who we are:

French Nuclear Society

Founded in 1973

- Non-profit, scientific and educational organization
- Membership: 4000 engineers, scientists, as well as educators from research centers, industrial organizations, and teaching institutions
Reminder: Nuclear Energy in France

1. An economic asset
   - Low electricity prices
   - Exports: 2Bn€ in electricity, 6Bn€ in goods & services

2. France’s third industrial branch:
   - 2500 companies, 220,000 employees

3. Clean Energy:
   - 94% low-carbon
   - 10% of electricity from used fuel recycling
The nuclear industry innovates to reinvent itself for 2030

3 objectives:
1. Increase Competitiveness
2. Differentiate for export
3. Meet civil society’s expectations

3 ways to innovate:
1. Technology innovation
2. Organizational innovation
3. Regulatory innovation
A new ambition for nuclear energy: 6 propositions

1. Invent the nuclear of the future
2. Engage into a simplification shock
3. Leverage electricity to further decarbonize
4. Monitor efficiently the electricity mix
5. Implement a fair electricity market design
6. Propose a new EU nuclear policy
Proposition 1: a place where the nuclear of the future is invented

3 objectives:

1. Accelerate innovation on new reactor designs: « Nuclear French tech »
2. Develop the technology (ex simulation, materials) needed for the future of nuclear
3. Invest in research capabilities & infrastructure
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