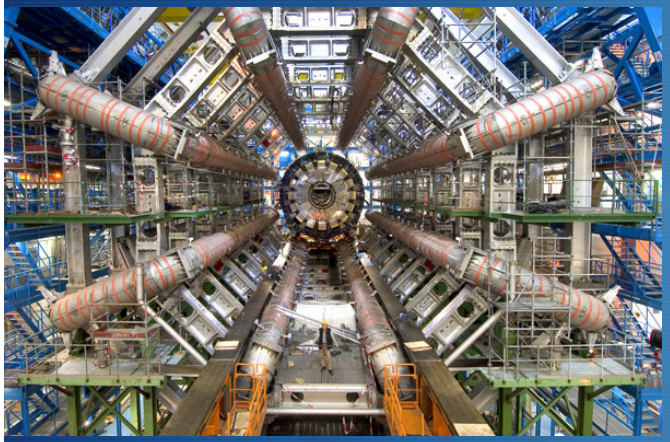
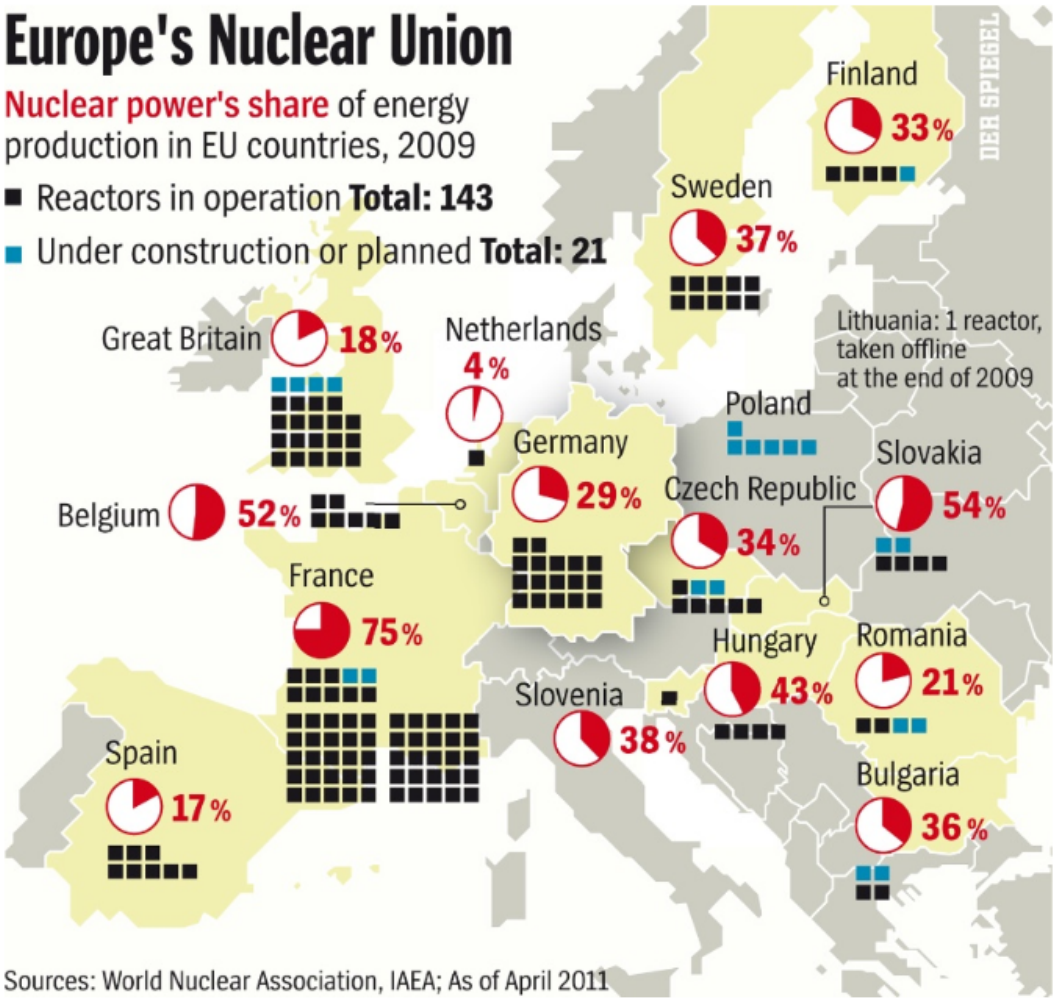
NUCLEAR POWER



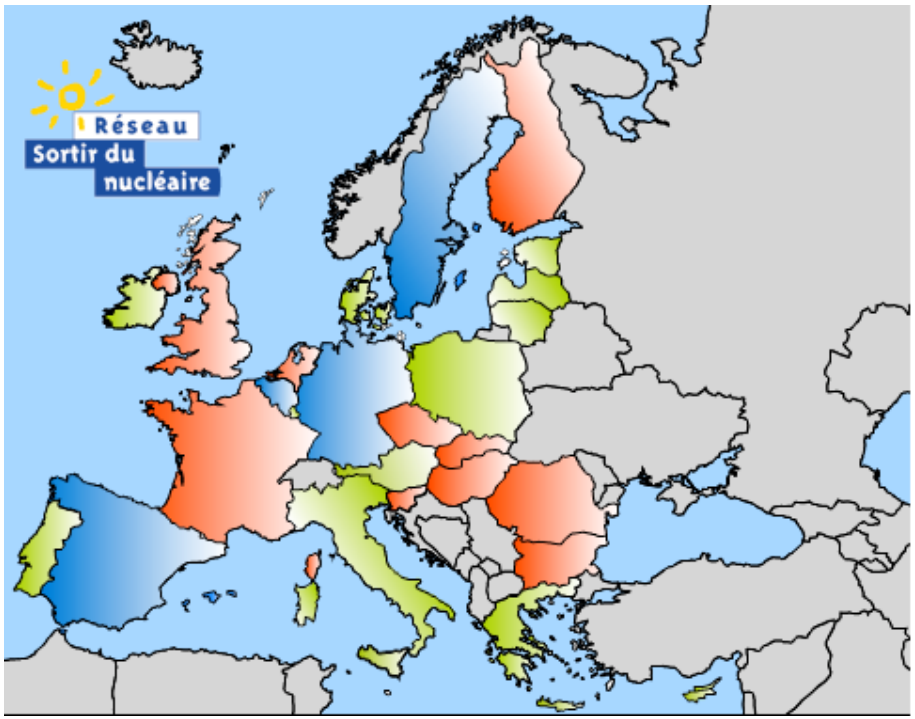
I. THE SITUATION OF NUCLEAR ENERGY IN EUROPE



I. THE SITUATION OF NUCLEAR ENERGY IN EUROPE

- A question which animates the debate
- 25% of the total production of energy
- EU: the principal consumer of energy
- Different policies according to the countries

I. THE SITUATION OF NUCLEAR ENERGY IN EUROPE



II. THE CONTROVERSY FACING NUCLEAR POWER

1. Nuclear accidents:

The famous example of Chernobyl disaster;

- Radioactive equivalent of **400 times the Hiroshima bomb**
- About **4,000 people killed**
- **200,000 people will catch a cancer** because of the disaster

II. THE CONTROVERSY FACING NUCLEAR POWER

II. THE CONTROVERSY FACING NUCLEAR POWER

- 2. Radioactive waste management:

Different kind of storages:

- Low depth storage
- Deep geological storage
- Sea storage

II. THE CONTROVERSY FACING NUCLEAR POWER

- 3. Transport of nuclear fuel and waste

640 transport of nuclear fuel and waste in France every years

In 2005, 48 accidents were recorded over the 300 000 transportation in France.

There is a risk

III. EVOLUTION AND SOLUTIONS ABOUT NUCLEAR ENERGY

- The « horizon 2020 » project aims to put European countries on track for having « secure, clean and efficient energy » by the end of 2020.

- Horizon 2020 is the biggest EU research programme to date. Some €79 billion of funding is available for 2014-2020.

- In terms of budget, Horizon 2020 will dedicate €5 931 million for non-nuclear energy research for the period 2014-2020 and €1 603 million for nuclear research for the period 2014-2018.

III. EVOLUTION AND SOLUTIONS ABOUT NUCLEAR ENERGY

CONCLUSION