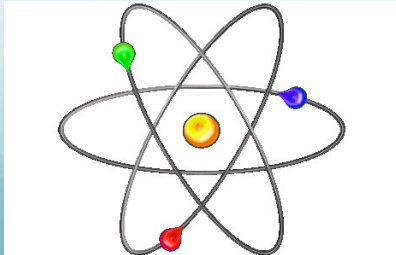


Nuclear power

Juliette Conuau
Louis Fremont
Romain Schneider



Introduction

- ☐ Development between 1845 – 1945
- ☐ Well implemented in different countries in Europe



History of the Nuclear power

- In the 50's : Nuclear energy as way to achieve independence
- Creation of **EURATOM : Treaty of Rome 1957**
- Objectives :
 - Enable every member to benefit from this development
 - Ensure security of supply
 - Create security standards for public
 - Limited to civil use

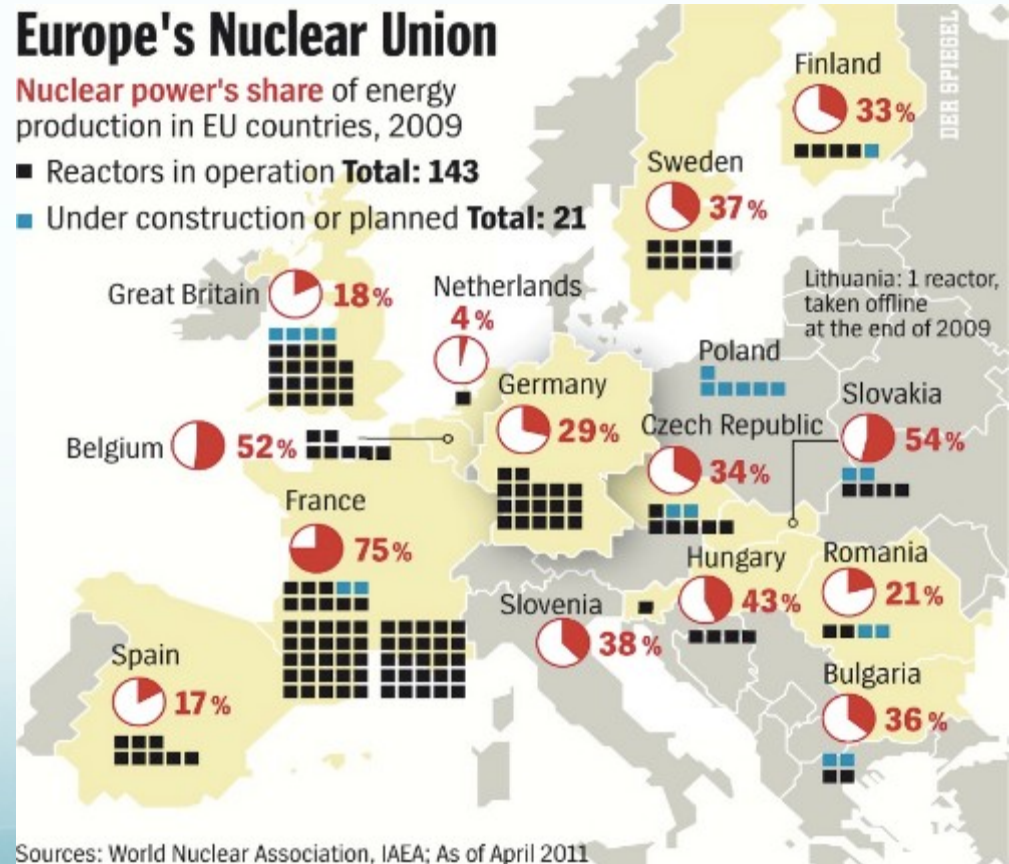
History of the Nuclear power

- Signatories notably describe themselves as :
" - *Recognizing that nuclear energy represents an essential resource for the development and invigoration of industry and will permit the advancement of the cause of peace*"
- Development of the reactors in Europe between 1957 and today

PRESENT

1. The actual situation in EU

- 27% of the total EU production
- production
- Half of the production in France



PRESENT

2.Imports / Exports

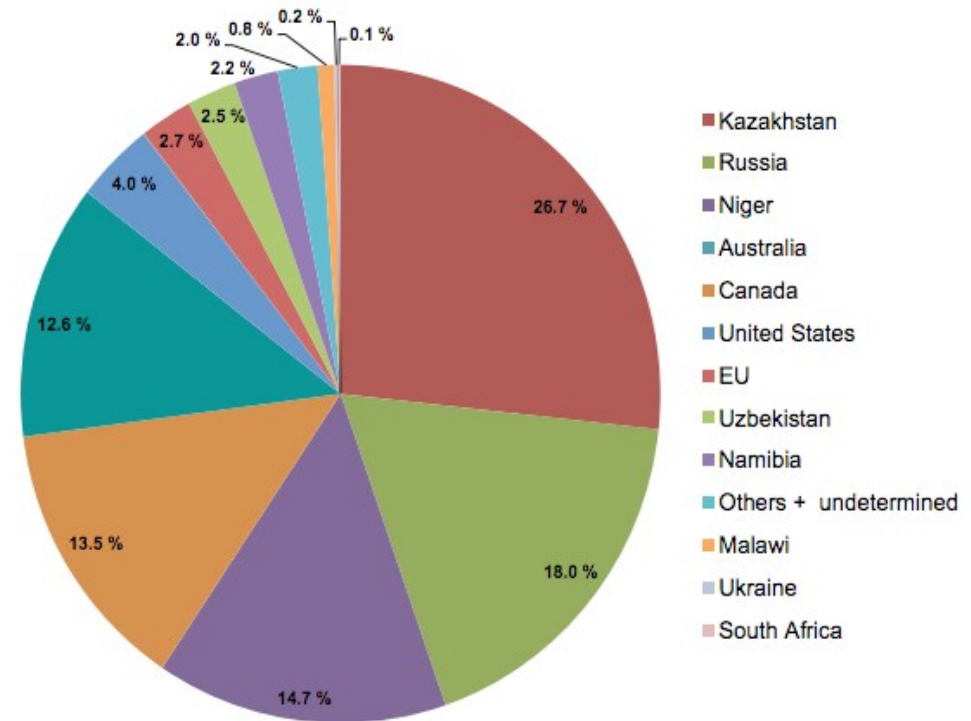
- The EU imports 53% of its energy
- France is the main nuclear energy exporter
- EURATOM



PRESENT

- European uranium mining supplied just below 3% of the total EU needs
- The Czech Republic and Romania

Figure 6: Origins of uranium delivered to EU utilities, 2014 (% share)



FUTURE

- Many countries building new reactors
- Fukushima has lead European countries to re-think about nuclear power



EUROPE'S NUCLEAR FUTURE



- Huge divergences between European Countries

Thank you for listening



Sources

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