



Les Entretiens Européens

Rapprocher - Débattre - Fraterniser

19 October 2017 - Brussels

Marivaux Hotel

Boulevard Adolphe Max 98 - 1000 Brussels

THE ISSUES OF NUCLEAR COMPETITIVENESS IN EUROPE



60 years after the EURATOM treaty, the nuclear technological revolution expanded to the entire world, promoting industrial development in many countries and access to electricity for their populations. Nuclear helps reduce the share of coal in the energy mix, therefore contributing to the reduction of greenhouse gas emissions and the fight against climate change.

Nuclear implies safety and security requirements which makes it expensive. Is it competitive in a changing environment with the arrival of renewables or shale gas? How can we measure its competitiveness? Compare it to other sources? And between different regions of the world?

Will Europe – which used to be in the lead – decide to revive the ambition? How can we rethink our industry on this anniversary date and make the Energy Union the new ECSC? The Commission offered a PINC but we are nowhere near an industrial vision, caught up that we are in the precautionary principle and risk aversion.

The choice of a mixed energy must improve solid-

arity between countries and market regulation must be consistent with that choice, especially considering that energy is not a commodity like any other.

How can we relaunch investment and innovation in nuclear? What are the ethical, economic, social and scientific challenges which will allow to make nuclear a safe, sustainable and competitive power source?

We will try to answer those questions by exploring 5 issues that will be compared with other regions of the world during roundtable discussions: transparency and efficiency, prosperity, safety and solidarity.

Les Entretiens Européens will be organized with the support of the European Commission, in partnership and/or with the participation of numerous actors of the European and international nuclear sector, but also local and grid representatives, representatives from other industrial sectors, large electricity consumers and economists from different schools.

Claude Fischer,
Paris, 6th of June, 2017

Organised by



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8:30

Welcome

Claude FISCHER HERZOG, Director of *Les Entretiens Européens*

8:45

Hearings

The European ambition, 60 years after the EURATOM treaty

Bertrand de L'EPINOIS, President of FORATOM

Nuclear generation – The potential to play a central role in a low-carbon future

Jan Horst KEPPLER, Senior Economist at the OCDE Nuclear Energy Agency

9:30 - 11:00

Round table

Transparency, an issue for competitiveness. The truth on costs and prices.

It is a question of comparing nuclear costs with the other technologies (in particularly solar), and considering the cost of the overall cycle, decommissioning and radioactive waste management, but also the cost related to savings that impact human lives, health and the environment. It is also about comparing prices with other regions of the world. Do they cover the same costs? European nuclear does not receive public subsidies. Is it the case elsewhere?

Moderated by **Jan Horst KEPPLER**

With :

- **Attila ASZODI**, State Secretary for the Maintenance of the Capacity of the Paks Nuclear Power Plant, Hungary

- **Göran HULT**, Nuclear expert, Fortum, Finland

- **Andrey ROZHDESTVIN**, Director of ROSATOM Western Europe

- **George SAPY**, President, *Sauvons le Climat*, France,

- **Jean-Pierre WEST**, Director Optimization & Performance of the Engineering, EDF,

11:00 - 11:30 / coffee break

11:30 - 1:00

Round table

Prosperity of territories: the impact of nuclear power on growth and employment

Moderated by **Graham WEALE**, Professor, Honorary Professor of Energy Economics and Politics at the Ruhr University Bochum, Senior Advisor to the Energy Transitions Commission.

We would like to analyse the costs related to public subsidy policies for energy transition, to corporate restructuring, to employment destruction/retraining, as well as the amount of the electricity bills in the countries that have decided to reduce or phase out nuclear energy. Simultaneously, we want to analyse the added value created by the development of nuclear in terms of growth and employment, of competitiveness in power-intensive sectors, or "local and regional projects".

With

- **André Franck AHOYO**, Deputy Director, Les Entretiens Eurafricains, ASCPE

- **Peter CLAES**, President of FEBELIEC, Deputy Director of IFIEC

- **Valérie FAUDON**, General Delegate, SFEN, France

- **Kirsty GOGAN**, Co-Founder of ENERGY FOR HUMANITY

- **Robert LECLERE**, President of the Belgian Nuclear Forum

13.00 - 14.00 / lunch break

2:00 - 3:30

Round table

Safety, an asset for competitiveness – Safety costs : how to reduce them without reducing safety

How can we combine safety costs and affordable price? There are numerous questions related to efficiency and management, and a comparison with other sectors like aeronautics - which succeeded in reducing safety costs while increasing safety -, can be useful. How can we share safety costs in Europe, in particular with the countries that will have to modernize their fleet? Should we head towards shared waste management sites? Will standardisation allow for cost savings? In what conditions?

Moderated by **Fanny BAZILE**, Senior advisor, Nuclear Energy Direction, CEA,

With

- **Massimo GARRIBBA**, Nuclear Director, DG Energy of the European Commission

- **Anders JOHANSSON**, Senior Nuclear Technology Advisor, Vattenfall AB, Sweden

- **Frédéric LELIEVRE**, SIVP Sales, Regional Platform, INC, AREVA NP, France

- **Bertrand de L'EPINOIS**, President France, WANO

3:30 - 4:00 / coffee break

4:00 - 5:30

Round table

Solidarity as an aspect of competitiveness

Reforming the market to favour a long-term industry and creating grids consistent with a good energy mix, reinforcing nuclear's exports... We need to examine the conditions for the construction of an actual European nuclear industry allowing training and shared competences, research exchanges, new dismantling technologies or waste management and the development of new production capacity. Training/Innovation/Investment is a winning trio in the reinforcement and development of the industry, and it will consolidate the export strategy in a world experiencing a nuclear renaissance.

Moderated by **Yves DESBAZEILLE**, Director general at FORATOM

With

- **Jan BARTAK**, Director, Nuclear Development, ENGIE

- **Guy BUCKENHAM**, Head of Generation Policy, EDF Energy, UK

- **Tuomo HUTTUNEN**, Senior Adviser, Nuclear Energy, Finnish Energy, Finland

- **Jukka LAAKSONEN**, Adviser to the Chief executive at Rosatom Energy International

- **Laurent SCHMITT**, Secretary General, ENTSO-e

5:30 - 6:00

Provisional findings

Claude FISCHER HERZOG and **Massimo GARRIBBA**

