



# 15<sup>th</sup> European Nuclear Energy Forum (ENEF)

## Draft Programme

Prague, 10-11 November 2022

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### Thursday, 10 November 2022

*Venue:* Municipal House (*Obecní dům*), Náměstí Republiky 5, Prague

*Moderator:* Mr **Tomáš Ehler**, Czech Deputy Minister of Industry and Trade

#### 19:00-19:10 Welcome remarks

Mr **Jozef Síkela**, Czech Minister of Industry and Trade

#### 19:10-19:30 Keynote speeches

Mr **Atte Harjanne**, Green Party, Finland

Ms **Baiba Miltoviča**, European Economic and Social Committee

#### 19:30-22:00 Welcome dinner

### Friday, 11 November 2022

*Venue:* Czech National Bank (*Česká Národní Banka*), Senovážné náměstí 30, Praha 1

*Lead Moderators:* **Ms Michala Hergetová** (morning session) / **Ms Susannah Streeter** (afternoon session)

#### 8:00-9:00 Registration

#### 9:00-9:05 Welcome (by lead moderator)

#### 9:05-9:25 Welcoming remarks<sup>1</sup>

9:05-9:15 Mr **Petr Fiala**, Prime Minister of the Czech Republic

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<sup>1</sup> No press conference, attending journalists welcome. Press release after conclusion. No booths/posters.

**9:15-9:25** Mr **Eduard Heger**, Prime Minister of Slovakia

**9:25-9:40** **Opening speech**

Ms **Kadri Simson**, European Commissioner for Energy

**9:40-13:10 Panel 1: Carbon-free European power system: integration costs and options for nuclear and renewables**

According to the European strategic long-term vision for a prosperous, modern, competitive and climate neutral economy, by 2050, more than 80% of electricity will be coming from renewable energy sources. Together with a nuclear power share of ca. 15%, this will be the backbone of a carbon-free European power system. The investments and operational costs of the energy mix decarbonisation do not relate exclusively to the construction of new energy sources themselves. This transformation has wider implications for the energy system as a whole, bearing in mind the stability and reliability of the network, as well as the security and affordability of energy supplies, in line with the recent REPowerEU Plan. The panel should address overall costs of decarbonisation and generation adequacy as complex issue and discuss different scenarios. When considering the future energy mix, it is desirable to reflect the costs of system stability and security of energy supply into the policies of individual Member States in order to, among others, optimally use national and European funds.

**9:40-9:45** **Introduction** by the lead moderator explaining the rules

**9:45-10:10** **Three impulse statements** / mini-presentations (7 minutes each)

*Mr **Thomas Veyrenc**, Executive Director, RTE (French TSO) (remotely via video call)*

*Mr **Bojan Tomic**, Enconet Consulting*

*Ms **Francisca Bremberger**, University of Vienna*

**10:10-11:40** **World café** (parallel roundtables to discuss the topics)

*Table moderators:*

*Ms **Susannah Streeter**, Ms **Alena Mastantuono**, Mr **Martin Ehl** and Mr **Matouš Lázněvský***

*Table rapporteurs:*

*Ms **Zuzana Petrovičová** (DG ENER), Ms **Concetta Fazio** (DG JRC), Mr **Alejandro Ulzurrun** (DG ENER), Mr **Jan-Horst Keppler** (OECD-NEA)*

Participants may attend two roundtables that last 40 minutes each. At each roundtable a table moderator will open the debate with one slide setting questions to animate the debate; a table rapporteur will take notes and summarise the debate outcome.

Topics:

1. System integration options for nuclear and RES: is there an optimal solution?
2. SMRs: the tool of flexibility?
3. Power generation adequacy: compensation mechanisms and ancillary services

#### 4. Radioactive waste challenges: recycling or disposal?

**11:40-11:55    *Break***

During the break the rapporteurs will finalize their summaries per topic to be presented during the next point in the agenda.

**11:55-12:25    Plenary presentations** of the key outcomes for each topic by the table rapporteurs (4x5 minutes) and prompt reactions by the impulse speakers (3x2 minutes).

**12:25-13:05    Panel discussion and closing of the morning session by**

*Mr Jozef Sikela, Czech Minister of Industry and Trade*

*Mr Karel Hirman, Slovak Minister of Economy*

*Mr Cristian-Silviu Buşoi, Chair ITRE Committee, European Parliament*

**13:05-13:10    Conclusion** by the lead moderator

#### **13:10-14:10 Lunch**

#### **14:10-17:40    Panel 2: The ecosystem of the nuclear sector: investments and strategies for decarbonisation and health**

The nuclear energy sector needs to keep fit for the prospects of carbon neutrality as well as non-energy applications of radiation technologies. Expertise and skills, along with research, development and deployment must nurture the EU industrial ecosystem to face challenges such as new build projects or maintaining highest quality healthcare. An adequate strategy and investments are needed to attract young researchers to key topics such as Generation IV reactors and related R&D. The current Euratom Research and Training Programme (2021-2025) has strengthened its focus on education and training to maintain and develop further nuclear expertise and knowledge in Europe. The panel will evaluate the strategies to maintain and attract expertise in the nuclear sector, and the risk of work shortage, which could shift the production and knowledge outside the EU. Furthermore, nuclear expertise is relevant beyond the power generation sector, covering also medical and industrial applications. The panel will address the need for new medical isotope reactors and the consequences of a possible replacement by cyclotrons or use of particle accelerators.

*Lead Moderator: Ms Susannah Streeter*

**14:10-14:15    Introduction** by the lead moderator explaining the rules

**14:15-14:40    Three impulse statements/mini-presentations** (7 minutes each)

*Mr Jan van den Heuvel, Deputy Director-General for Medical Radioisotopes at the Ministry of Health, the Netherlands*

*Mr Leon Cizelj, President of ENS and former President of ENEN*

*Mr Miroslav Lopour, Senior Manager, Deloitte Advisory*

**14:40-16:10    World café** (parallel roundtables to discuss the topics) (coffee available)

*Table moderators:*

*Ms Michala Hergetová, Ms Alena Mastantuono, Mr Martin Ehl and Mr Matouš Lázňovský*

*Table rapporteurs:*

*Ms Zuzana Petrovičová (DG ENER), Mr Kolos Molnár (DG ENER), Mr Kamil Tuček (DG ENER), Mr Ghislain Pascal (DG ENER)*

Participants may attend two roundtables that last 40 minutes each. At each roundtable a table moderator will open the debate by means of one slide setting questions to animate the debate; a table rapporteur will take notes and summarise the debate outcome.

Topics:

1. An ecosystem of the nuclear sector fit for decarbonisation and healthcare
2. Advantages of cyclotrons vs. reactors: decentralization and price of the radioisotopes
3. Generation IV reactors: motivation of young researchers
4. HR: maintaining expertise and responding to evolving needs

**16:10-16:25    *Break***

During the break the rapporteurs will prepare a summary per topic to be presented during the next point in the agenda.

**16:25-16:55    *Plenary presentations*** of the key outcomes for each topic by the table rapporteurs (4x5 minutes) and prompt reactions by the impulse speakers (3x2 minutes). In presence of the panel for the next point.

**16:55-17:35    *Plenary panel discussion*** on the **topics**, with the lead moderator

*Mr Massimo Garribba, Deputy Director General, DG ENER, European Commission*

*Mr Pierre Jean Coulon, European Economic and Social Committee*

*Mr Yves D'Eer, GMF Europe*

*Mr Yves Desbazeille, Director General, Nucleareurope*

**17:35-17:40    *Conclusion*** by the lead moderator

**17:40-17:50    *Final remarks***

*Mr Jan Pánek, Director, DG ENER, European Commission*