

# ***Nuclear Education National Workshops***

## **NEA Global Forum on Nuclear Education, Science, Technology and Policy**



## Background

---

Educating the next generation of nuclear science and technology experts is an international objective that has become even more urgent after 24 countries declared during the United Nations Climate Change Conference in 2023 (COP28) that global nuclear capacity should triple by 2050 to help achieve net zero targets. The Nuclear Energy Agency (NEA) established the Global Forum on Nuclear Education, Science, Technology and Policy in 2021 to enable its member countries to leverage the deep expertise in global academia to bring creative solutions to the challenges faced by the nuclear energy sector. A flagship initiative of the Global Forum on Nuclear Education is the nuclear education national workshop, which serves as a platform for developing a common understanding of the challenges in human capacity faced by a country and promoting collaboration between national stakeholders, i.e. academia, government, civil society and industry, to address those challenges.

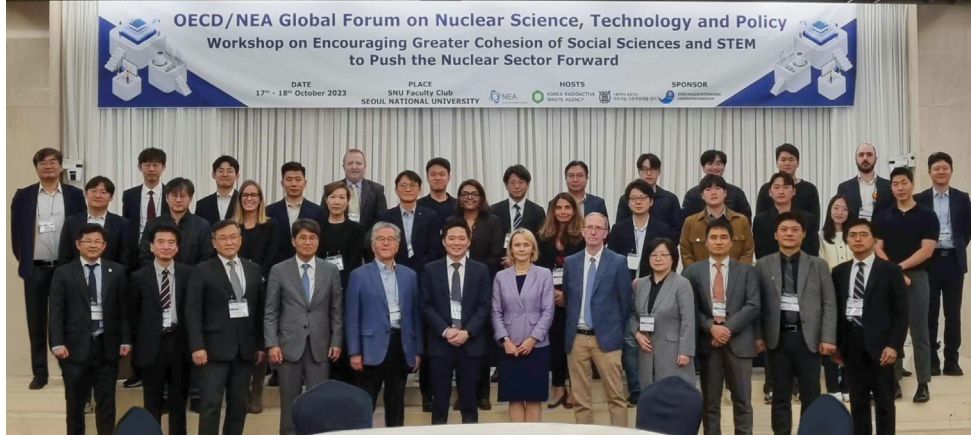
## Mission and objectives

---

The purpose of the nuclear education national workshop is threefold. First, within the context of the Global Forum on Nuclear Education, it gives space for in-depth exploration and discussion of a given country and its relationship to the nuclear landscape and the interaction of stakeholders within this landscape. Second, at the national level, it enables dialogue and co-ordination between academia, governmental and industry stakeholders on how to identify needs, overcome barriers and develop strategies and curricula to advance nuclear education programmes that are fit for purpose in the specific context. Third, it encourages and facilitates the forecasting of potential future scenarios to address gaps in the nuclear sector of a country.



Nuclear Education National Workshop in Romania, Pitesti, Romania, 10-11 October 2023.



Nuclear Education National Workshop in Korea, 17-18 October 2023, Seoul National University (SNU), Korea.

## Past workshops

---

The inaugural Nuclear Education National Workshop took place in Japan in July 2022. The workshop explored the relevance and attractiveness of nuclear education programmes, their stability and support within universities, as well as potential ways to increase co-operation between nuclear education programmes, industry and government.

In October 2023, the National University of Science and Technology Politehnica in Bucharest, Romania, hosted the second Nuclear Education National Workshop, which focused on how the higher education sector can better align its pedagogy, curriculum and institutional investment with the needs of the labour market. These substantive discussions led to the establishment of the National School for Nuclear Energy Association in Romania, which was inaugurated in March 2024.

The third Nuclear Education National Workshop was organised in the latter part of October 2023 at the Seoul National University in Korea. The workshop focused on developing curricula to support strategies for sustainable nuclear fuel cycles and ways forward in creating a national deep geological repository programme. Following the event, a Global Forum Working Group is being formed to address the development of curricula for the back end of the fuel cycle and in particular deep geological repositories (DGRs).

These examples showcase the breadth and diversity of the topics explored in the country-specific workshops. The workshops are tailored and curated to meet the specific needs of various national stakeholders and their domestic objectives. The NEA is working with several countries that have expressed interest in organising a workshop.

## Further information

---

For further information, please contact the Global Forum on Nuclear Education, Science, Technology and Policy Secretariat by email: [globalforum@oecd-nea.org](mailto:globalforum@oecd-nea.org) or visit [www.oecd-nea.org/globalforum](http://www.oecd-nea.org/globalforum).

---

The Nuclear Energy Agency (NEA) is an intergovernmental agency under the framework of the Organisation for Economic Co-operation and Development (OECD) headquartered in Paris, France. Its main objective is to promote international co-operation assisting member countries in maintaining and further developing the scientific, technological and legal bases required for a safe, environmentally friendly and economical use of nuclear energy for peaceful purposes.

---

## **Nuclear Energy Agency (NEA)**

46, quai Alphonse Le Gallo  
92100 Boulogne-Billancourt, France  
Tel.: +33 (0)1 73 21 28 19  
E-mail: [nea@oecd-nea.org](mailto:nea@oecd-nea.org) | [www.oecd-nea.org](http://www.oecd-nea.org)