



المنتدى العربي السادس حول آفاق توليد الكهرباء وإزالة ملوحة مياه البحر بالطاقة النووية
**The Sixth Arab Forum on the Prospects of Nuclear Power for
Electricity Generation and Seawater Desalination**

Under the patronage of the Minister of Electricity and Renewable Energy of the Arab Republic of Egypt

Organized by the

Arab Atomic Energy Agency and
Nuclear Power Plants Authority, Egypt

In cooperation with the, League of Arab States, Arab Ministerial Council of Electricity
Cairo, Egypt: 6-8 / 12/2022

1 – BACKGROUND

Many Arab countries have expressed their desire to include the option of electricity generation and seawater desalination with nuclear energy as part of their strategies to secure and diverse energy supply resources. There are many reasons for the Arab countries to build nuclear power plants to generate electricity and seawater desalination, including the increase in energy demand, water scarcity, the growing shortage of oil and gas reserves and its price fluctuations, the relationship between energy and development, and the desire to secure energy sources and self-sufficiency. Nuclear power has proved its reliability in terms of the safety and security, not to mention that it does not emit greenhouse gases and is also cost competitive compared to other sources of energy. The Arab countries have expressed their desire to the peaceful use of nuclear energy especially for electricity generation and water desalination. This has been expressed clearly in many Arab Summit resolutions and included in the “The Arab Strategy for Peaceful uses of Atomic Energy up to 2030”. Most Arab countries lack the required knowledge, skills, human resources, and financial resources to build nuclear power plants to generate electricity and seawater desalination, so they need to establish and develop the basic infrastructure that enables them to build these nuclear power plants.

Arab Atomic Energy Agency, League of Arab States, Arab Ministerial Council of Electricity and the Arab Union of Electricity are aware of the necessity to study and explore nuclear energy as a strategic Arab option for energy security and hope to better understand the main features needed to plan an Arab nuclear energy program, With emphasis on the development of nuclear infrastructure for the establishment of nuclear power plants, in particular in terms of legislative and regulatory structure, human resources and conditions of choice of optimal location, nuclear security and safety, and public acceptance.

In support of Arab need to include the nuclear option of electricity generation and seawater desalination in their strategies to diversify energy resources, the "Arab Forum on the Prospects of Nuclear Power for Electricity Generation and Seawater Desalination" is organized periodically.

The previous five forums have had a clear positive role in raising awareness of nuclear energy at the public and decision-making levels.

The Sixth forum is a follow-up to the issues discussed in previous forums related to nuclear energy programs in Arab countries. The Forum encourages Arab cooperation and public understanding on key issues related to nuclear energy, such as human and financial resources, comprehensive legislative and supervisory systems, site selection, as well as appropriate nuclear power technology, electrical grid suitability, nuclear fuel cycle, radioactive waste management, and communication with the public. It also provides an opportunity for many countries that examine the potential benefits of introducing nuclear energy into their national energy to make appropriate decisions according to their national conditions regarding building nuclear power plants.

The importance of the sixth forum comes at a time when some Arab countries such as the Arab Republic of Egypt and the United Emirates have taken advanced steps and already started to embark on nuclear power plants to generate electricity, and many Arab countries are considering introducing the option of nuclear energy in their strategy to diversify energy sources.

2 - OBJECTIVES

- Support the trend of Arab countries towards developing and using nuclear energy at the level of decision-makers and the public.
- Communication and discussion among the specialists and decision makers in the Arab countries on the role of nuclear energy to meet the increasing demand for electricity and desalinated water.
- Exchange of information and experience on national methodologies for the study of nuclear energy for qualifying and developing human resources.
- Discussing the interrelation between nuclear energy and environment.
- Assessing the progress in reactor power technologies and safety, the management of spent fuel and supply of nuclear fuel.
- Evaluating nuclear power programs in the Arab countries and cooperation between them.
- Evaluating the possibility of building small and medium-sized reactors for electricity generation and seawater desalination in Arab countries.

3- FORUM FILEDS, ISSUES AND KEY THEMES

- Policy development for nuclear energy and energy planning,
- Nuclear power plant technologies,
- Nuclear fuel cycle and nuclear fuel supply policies,
- The economic and financial perspective of nuclear power plants,
- Human resources development and rehabilitation,
- Nuclear infrastructure development,
- Radioactive waste management and spent fuel management,

- Regulatory and legislative frameworks for nuclear and radiological activities,
- Nuclear Security, Safety and Safeguards,
- Media and public acceptance,
- Site study,
- Electrical grid and connection,
- The Arab Common Market for Electricity,
- Lessons learned from the establishment of nuclear power plants,
- Small and medium nuclear reactors, and
- Seawater desalination using nuclear energy.

4- PARTICIPATION

The following will be invited to the forum:

- Representatives of Arab and international bodies and organizations working in the field of nuclear energy.
- Arab and international decision-makers in the fields of establishing nuclear power plants and strengthening the national infrastructure to present their experiences and discuss the issues of highest priority in the Arab countries.
- Ministries / bodies / institutions / concerned with electricity and water desalination in Arab countries.
- International nuclear industry companies and related industries to display their products on the sidelines of the Forum.

Anyone who wants to participate in the activities of this forum must register by filling in the attached registration form and sending it as soon as possible to the AAEA and NPPA through the official electronic site of the forum (safeg22@nppa.gov.eg).

Registration fee for foreign participants will be \$ 1000. Please send the registration fees through the official referral of the Nuclear Power Plants Authority through the Bank account number

Account Number : 4/082/18828/9

Beneficiary's Bank Name : Central Bank of Egypt, 54 El Gomhoria St. Cairo-Egypt

Swift Bank Code: CBEGEGCXXXX

IBAN CODE EG950001000100000004082188289

5- PLACE AND DATE OF THE MEETING

Cairo, Egypt: 6-8 / 12/2022

6- LANGUAGES ADOPTED AT THE FORUM

Arabic and English are the two languages approved with interpretation.

7- FORUM PROGRAM

The initial program will be sent to all participants and will be posted on the official website of the Forum.

8- RESIDENCE

Detailed information on accommodation and other administrative matters will be available on the official website of the Forum in a timely manner.

9- EXHIBITION

There will be limited space during the forum for exhibitors and the fees of participation in the fair will be determined in a timely manner

10- SPONSORSHIP

Sponsors are divided into platinum, gold, silver and bronze sponsor and this will be arranged with the parties concerned as per their request and priority according to the applications submitted.

11- VISAS

Candidates who need visas to enter the Arab Republic of Egypt must apply for a visa to the nearest consulate in their country as early as possible, before the forum.

12- DEADLINE FOR REGISTRATION

7/11/2022.

13- CONTACT POINTS:

NPPA

Sameh Saber Hussein

E-mail: s.saber@nppa.gov.eg , Phone: + 2 01005799880

Hesham Nabil Hegazy

E-mail: hhegazy@nppa.gov.eg , Phone: + 201090493784

AAEA

Daw Mosbah

E-mail: aaea@aaea.org.tn , Phone: + 21622954348

LAS

Abdullahi Shoueb

E-mail: abdullahi.shueb@las.int, Phone: +201149292691

14- FORUM WEBSITE

www.safeg22.org