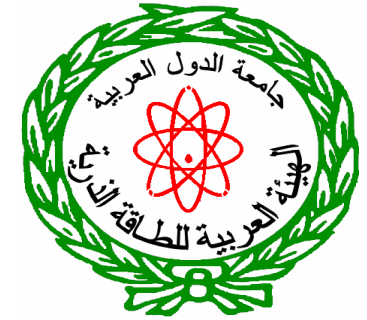
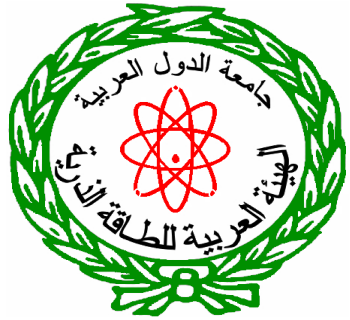




# The Role of AAEA in Human Resources Development in Arab Countries introducing Nuclear Power Programs

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## 13 member states

### African Countries :

Egypt  
Libya  
Sudan  
Tunisia  
Algeria  
Comoros  
Djibouti  
Mauritania  
Morocco  
Somalia



### Gulf Countries:

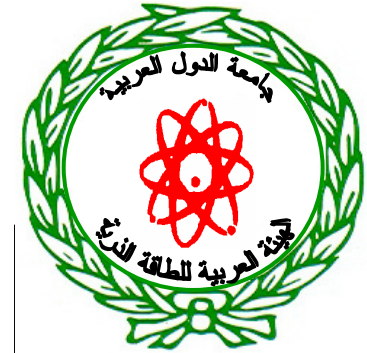
Bahrain  
KSA  
Kuwait  
Oman  
Qatar  
UAE

### Asian Arab Countries :

Iraq, Jordan, Lebanon ,  
Palestine, Syria, Yemen,

- ☞ Recently AAEA developed with member states “The Arab Strategy for Peaceful use of Atomic Energy up to 2020” Approved by the Arab summit,
- ☞ A ten year programme up to 2020 has been developed by Arab experts touching all fields of nuclear applications including nuclear power,
- ☞ AAEA is ready to assist Arab states to develop their nuclear infrastructure and act as coordinator between member states to foster exchange of experiences.
- ☞ Currently many Arab countries have expressed their interest in adopting nuclear energy for electricity generation and sea water desalination and sought assistance from IAEA.





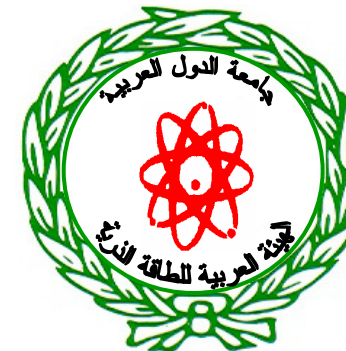
- Many Arab countries still have insufficient training capabilities in nuclear fields, and are experiencing problems with high staff turnover and shortage of specialized professionals in key areas.
- Egypt, Algeria, Morocco, Libya and Syria possess nuclear research reactors which are useful for training personnel for most skills needed for a NPP.
- AAEA may coordinate between member states to achieve the objective of strengthening their basic infrastructure for NP program and to assist in manpower development, technology transfer and effective cooperation with IAEA and relevant regional and international organizations.

Many activities have been undertaken by AAEA related to the development of manpower needed for NPP such as; training courses, on -job training, training schools, scientific visits, scientific and experts meeting. Those activities cover a wide range of subjects related to NPP. Following are some of training programs subjects undertaken regularly by AAEA:

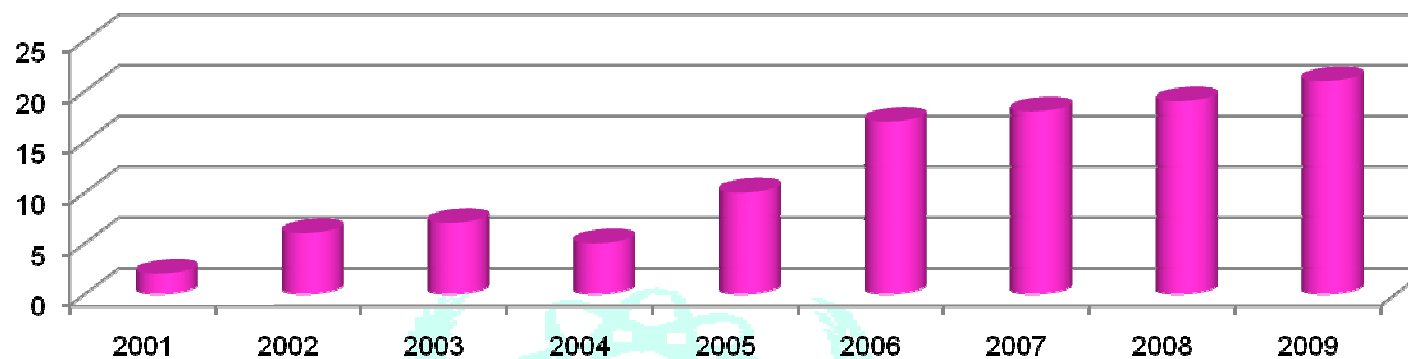
- Research reactors: design, operation and applications
- Reactor safety and security systems
- Radiation protection, regulations and legislations
- Emergency plans, waste management, monitoring, early warning.
- Modeling of nuclear accidents and their effects in the environment and public health
- Workshops and forums about nuclear power plants for public and decision makers.

As part of implementing “Arab Strategy for Peaceful use of Atomic Energy up to 2020”, AAEA invited experts to put the fundamentals and outlines of Arab Cooperative Technical Programs ACTPs and include them in its 2010-2012 plan, these ACTPs which suggested by the experts and related to the Arab nuclear power program are:

- Enhancement of infrastructure for NPP building in Arab countries; energy planning and feasibility study as a first stage
- Strengthening the regulatory and legislative frameworks for nuclear and radiation activities in Arab countries
- Strengthening the Arab and national capabilities for response to nuclear and radiation emergency
- Building capacity of radioactive waste management in Arab countries
- Introduction of nuclear sciences and technologies in Arab education systems



### Number of training programs



### Number of trainees

