

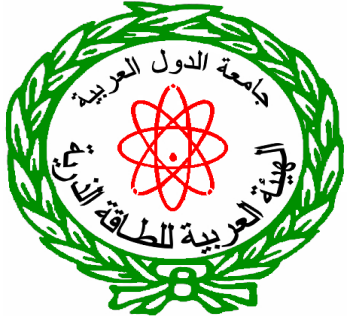


Arab Atomic Energy Agency AAEA / Arab Network for Nuclear Regulators ANNuR

ACTIVITIES REPORT

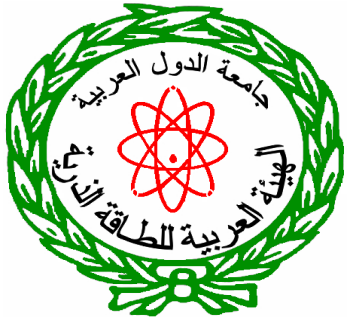
Tunis
aaea@aaea.org.tn

GNSSN Steering Committee Meeting in Berlin, November 24-25, 2015



The AAEA

- ➡ It is a technical organization working under the auspices of The League of Arab States.
- ➡ 15 States are members of AAEA
- ➡ AAEA's programme is focused on human resources development.

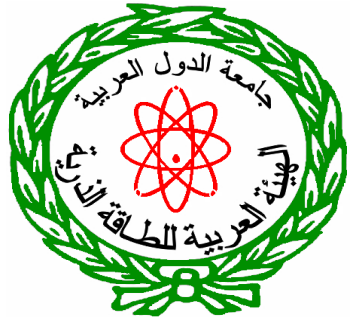


AAEA Missions

- Coordinates among member states in the field of peaceful applications of atomic energy,
- Assists in human resources development and transfer of knowledge and information concerning nuclear sciences & technologies,
- Sets up unified Arab regulations for radiation protection, nuclear safety and security and safe handling of radioactive materials. Building the SS culture
- Raises the public awareness of benefits and hazards of ionized radiation.,

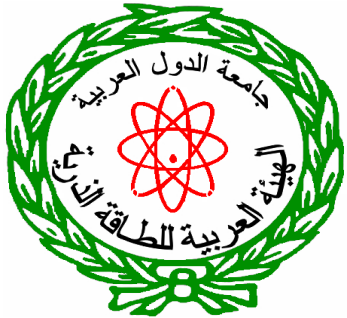


➤ AAEA contributes through coordination of activities between member states to achieve the objective of strengthening basic infrastructure for Safety and Security and to assist in manpower development, technology transfer and effective cooperation with IAEA and relevant regional and international organizations.



NUCLEAR TECHNOLOGY UTILISATION

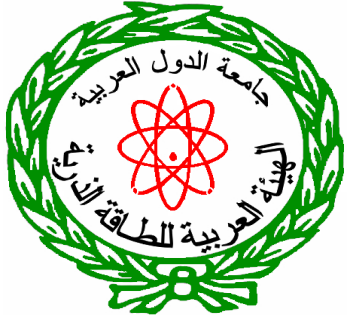
- The use of atomic energy in Arab countries is increased significantly in different social and economic aspects of life (e.g. medicine, industry, agriculture and research, ..etc.).
- Many Arab countries have or planning to have Research Reactors.
- Many Arab countries expressed their interest to embark on nuclear power programme.
- Growing concern in the region over the potential of nuclear or radiation accidents and the risks of illicit trafficking of radioactive sources



REGULATORY BODIES

Arab Countries started to establish, develop and sustain national regulatory bodies in relation to nuclear safety, and security framework based on IAEA Nuclear Safety & Security Standards and Guidelines. Specifically:

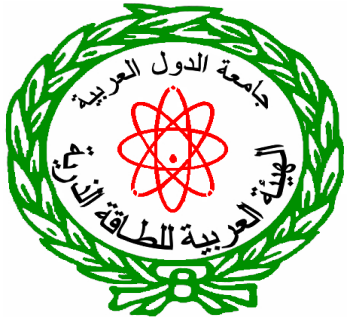
*Independent, Transparent, Efficient,
Reliable, Robust, Competent*



ANNuR WHY?

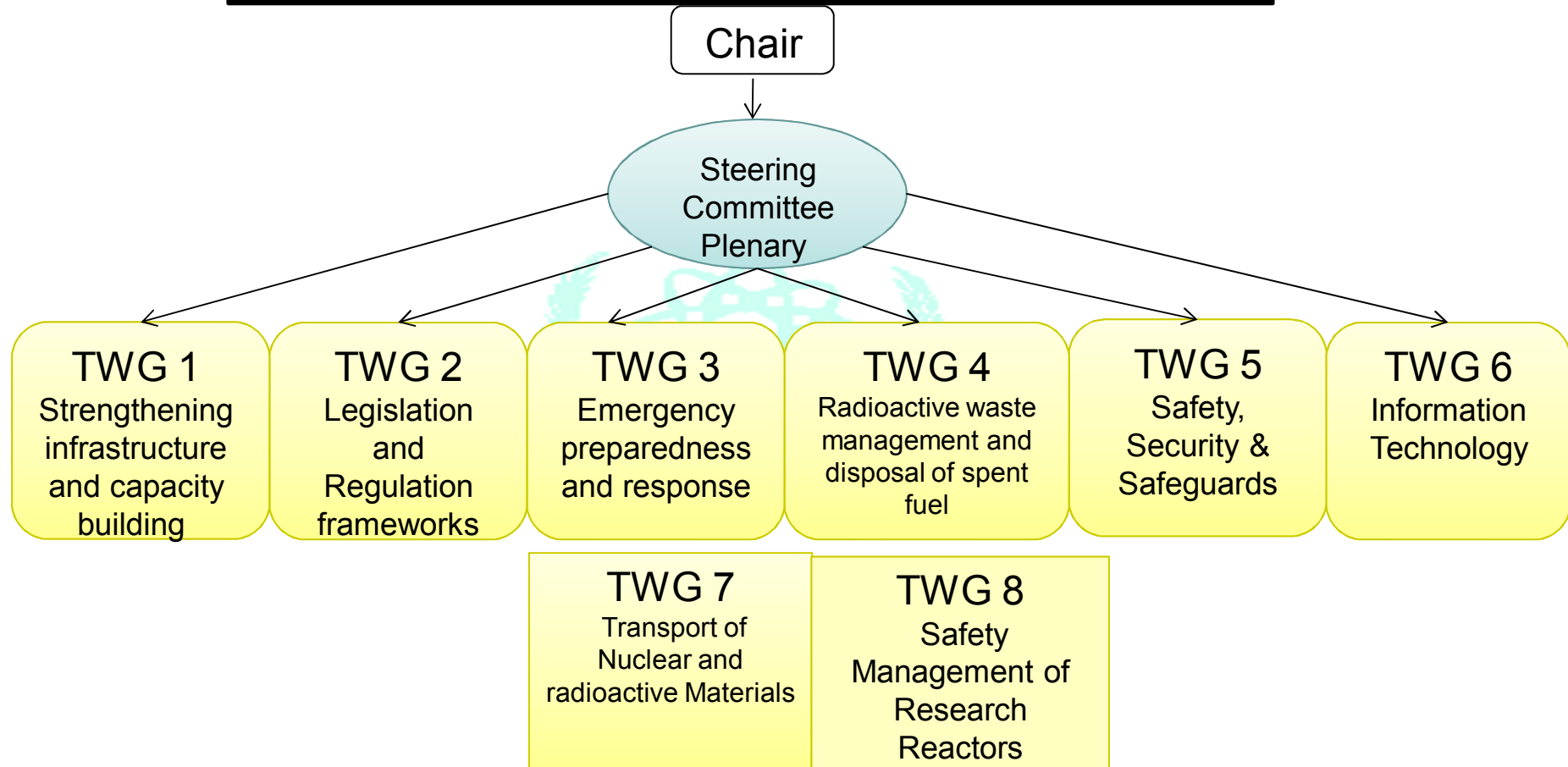
- ☞ To ensure that safety, security and knowledge, experience, and lessons learned are made visible and available, through links between Arab RB,
- ☞ To enable and support interaction and collaboration between competent people and organizations relevant to nuclear regulation.
- ☞ Therefore, The Arab Network of Nuclear Regulators (ANNuR) has been established

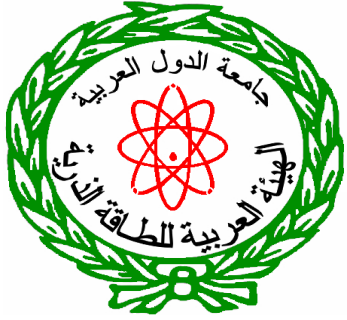
☞ **January 2010**



ANNuR HIERARCHY

ANNuR Plenary
Representatives of Arab Regulatory Bs





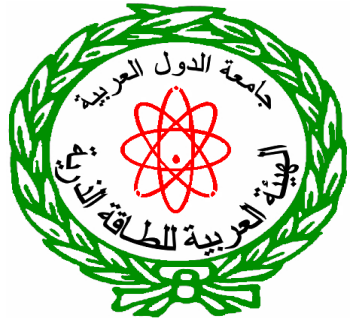
Cooperation with IAEA



***IAEA assisted in establishing ANNuR and IAEA experts
participate in different ANNuR activities***

IAEA is supporting many ANNuR activities, training programmes.

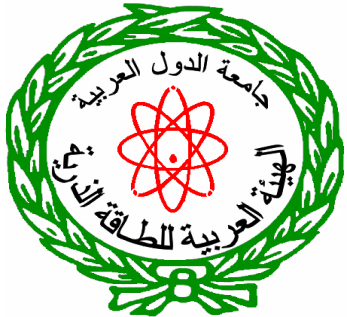
***ANNuR and IAEA signed a practical agreement
on cooperation in the area of strengthening
the nuclear safety and security frameworks***



IAEA-ANNuR 2015 ACTIVITIES



- Regional Workshop and Seminar on Capacity Building, Education and Training Review Service (ETRES) Self-Assessment and ETRES Missions, Knowledge Management, and the Development of Education and Training Strategies
- Workshop on National Safety Knowledge Networks
- Regional Workshop on Updating and Reviewing Self-Assessments
- Workshop on the IAEA's Emergency Preparedness and Response Information Management System and on Self-Assessment of Emergency Preparedness and Response
- Regional Workshop on National Nuclear Regulatory Portals
- Joint ANNuR–FNRBA Workshop on Milestones and Infrastructure for New Research Reactor Projects
- Basic Professional Training Course on Nuclear Safety for Members of the Arab Network of Nuclear Regulators and the Forum of Nuclear Regulatory Bodies in Africa



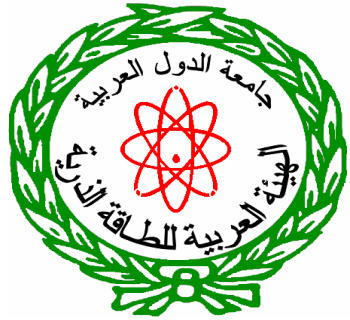
Cooperation with KINS



MOU has been signed between KINS and AAEA for 5 years. renewed for another 5 years

- *Co- sponsoring ANNuR and attending all its meetings*
- *MsC grants in ISNS for ANNuR member states.*
- *A training course for Arab professionals about Fundamentals of Nuclear Power Plants and safety regulation was organised October 2011, Daejeon*
- *Workshop on legislation and regulation of nuclear facilities, Hammamet, 2012*
- *A workshop on nuclear and radiation emergency: preparedness and response, September 2012 in KINS radiation and nuclear emergency centre in Daejeon*
- *Workshop on Inspection and Licensing Amman September 2013*
- *Workshop on reactors safety and technology Daejeon ,Korea 2013*
- *Workshop on Nuclear and Radiological Emergency Preparedness and Responses, Daejeon ,Korea 9-18/6/2014*
- *Workshop on Establishing and Organizing a Regulatory Body in Arab region 15-19 September: Morocco*

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KINS-ANNuR 2105 ACTIVITIES



KINS executives decided to support two workshops and two national projects for ANNuR/AAEA members in year 2015:

- Workshops:

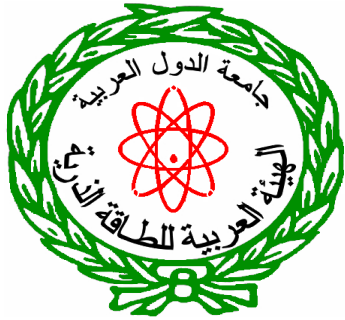
- Safety and Regulation of Radioactive Sources: Korea
- Research Reactor Inspection: Egypt, October 25-29 2015

An other workshop was supported by KINS through IAEA:

- Basic Professional Training Course on Nuclear Safety 4-14 May
Hammamet

- National Projects:

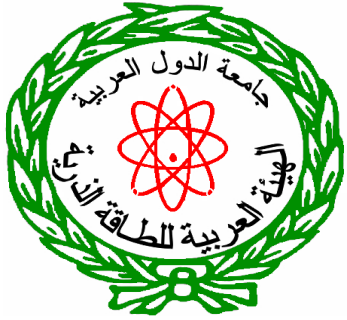
- Tunisia: Assistance in Drafting Regulations to Implement a Comprehensive Nuclear Law
- Bahrain: Improvement of Radiation Safety Training Capabilities



Cooperation with US-NRC



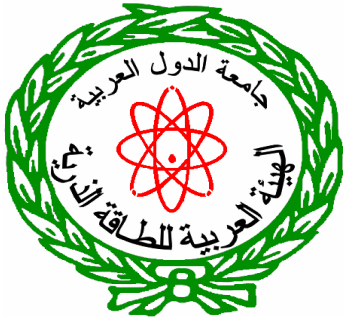
- Nuclear Executive Workshop for Decision Makers in Nuclear Power Programs, March 2012, New Orleans, USA.
- Workshop on the Physical Protection and Security of Radioactive Sources, June 2012, Tunisia.
- Site Application Review, February 2013, Tunisia.
- Workshop on Physical Protection of Nuclear Materials and Installations, November 2013, Kuwait.
- Regulatory Aspect of Power and Research reactors siting, September 2013, Jordan.
- Radiological and Nuclear Emergencies, August 2013
- Workshop on Construction Permit for Power and Research Reactors, October 2014, Rockville, USA
- Workshop on Probabilistic Risk Assessment, November 2014, Kuwait



USNRC-ANNuR 2105 ACTIVITIES



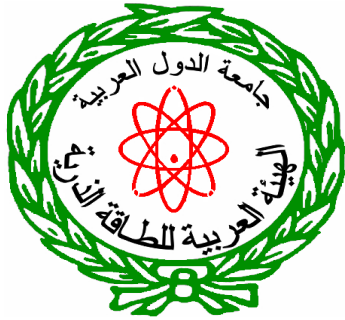
- Workshop on Regulations and Technologies of Research and Test Reactors, **USA**.
- Workshop on Safety and Physical Protection of Radioactive Sources and Nuclear Materials, **Morocco (implemented)**.
- Workshop on SMRs Technologies and Regulations, **Austria**.



COOPERATION WITH EU

- **EU representatives participate at all ANNuR meetings**
- **EU supported a training course on Legal & Regulatory Frameworks and Basic Safety Requirements for NPP, April 2013, Hammamet, Tunisia.**

GNSSN Steering Committee Meeting in Berlin, November 24-25, 2015



EU-ANNuR 2015 ACTIVITIES



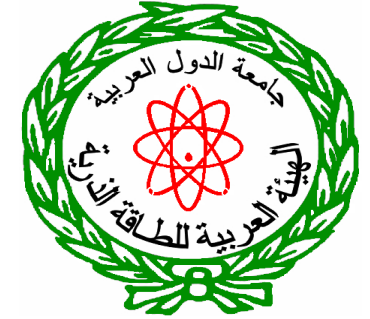
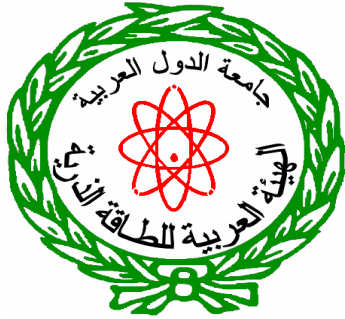
EU-Acquis, legal and regulatory framework, regulatory role and responsibilities for licensing and enforcement

Regulatory functions, licensing management, basic safety concepts and decision making

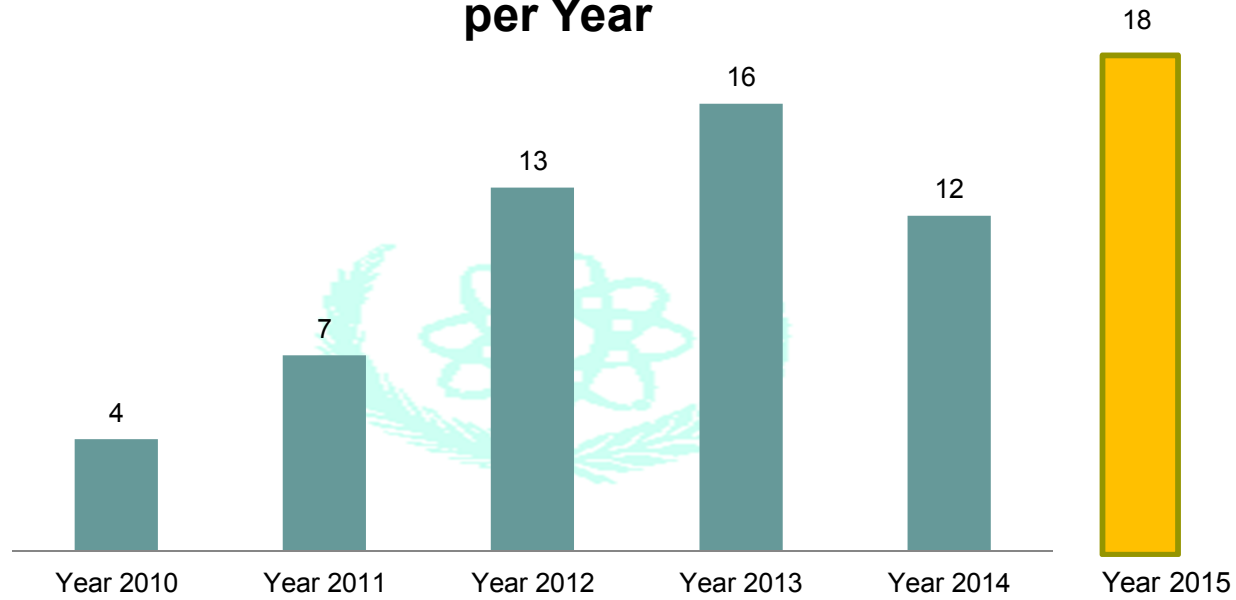
Radiation Protection and regulatory emergency preparedness

Radiation protection principles and system at Nuclear Facilities:
Tunisia 21-24/4/2015

GNSSN Steering Committee Meeting in Berlin, November 24-25, 2015

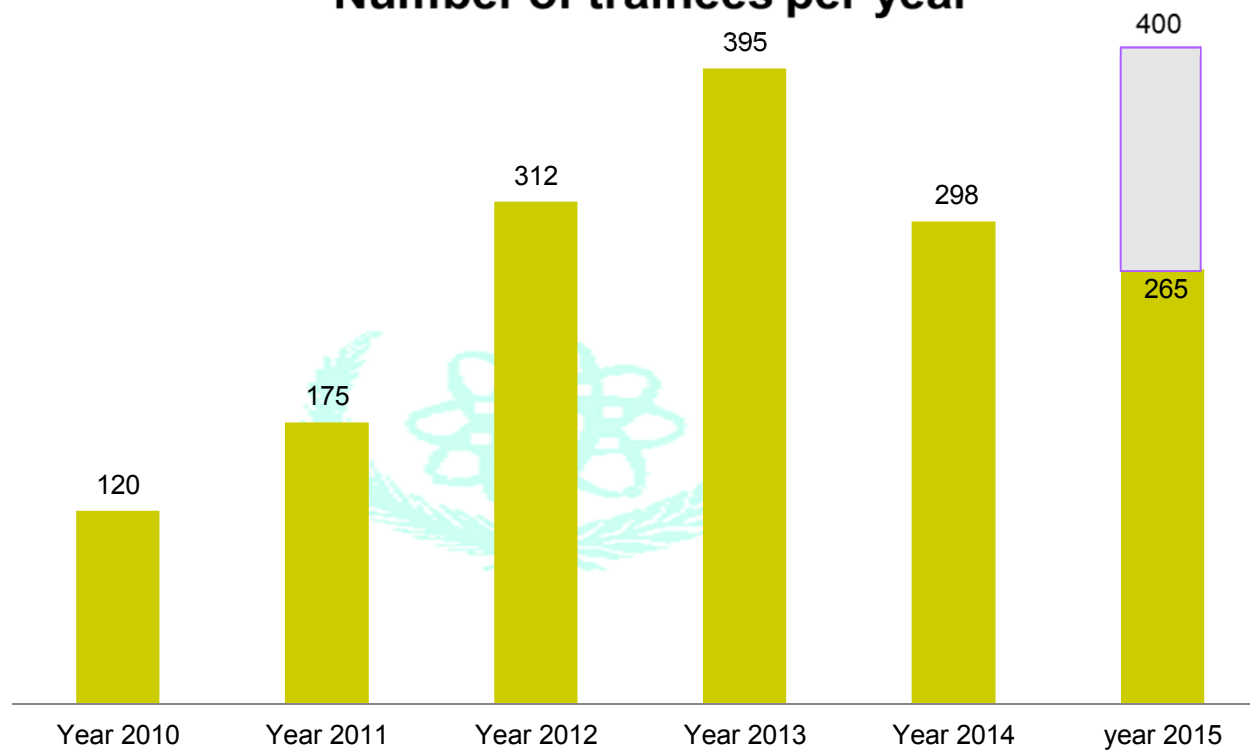


ANNuR Number of training events per Year





Number of trainees per year



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Home Home

ANNuR Documents Overview

ANNuR Contact List

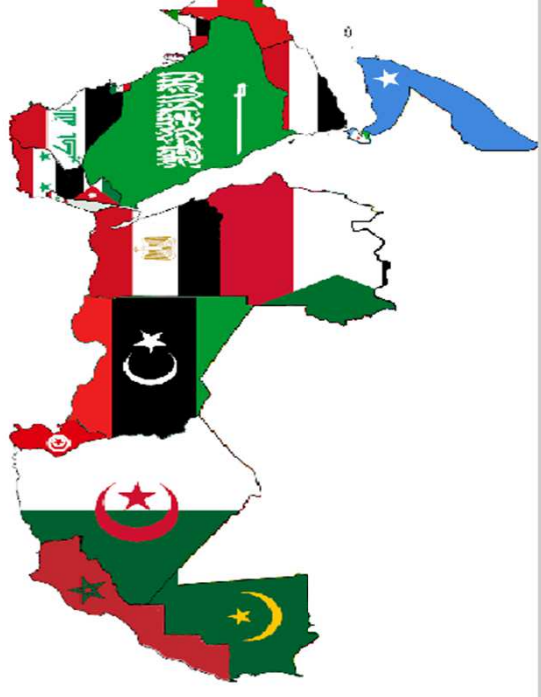
Thematic Working Groups

ANNuR Blog

ANNuR Discussion Board

National Nuclear Regulatory Portal List of Countries

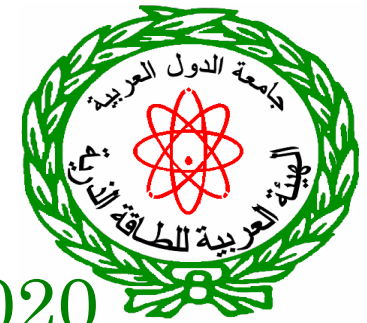
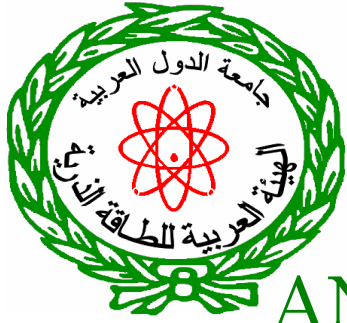
Arab Network of Nuclear Regulators



ANNuR Regis

Click here to request password-protected

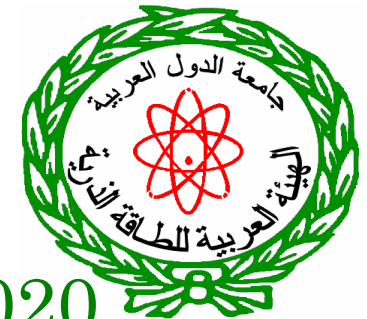
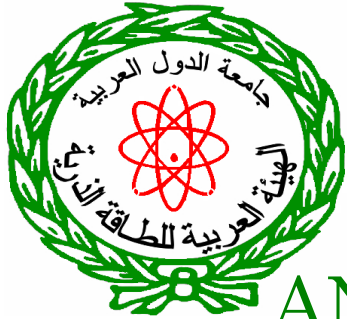
Related Links



ANNuR STRATEGIC PLAN 2016-2020

THE STRATEGIC OBJECTIVES

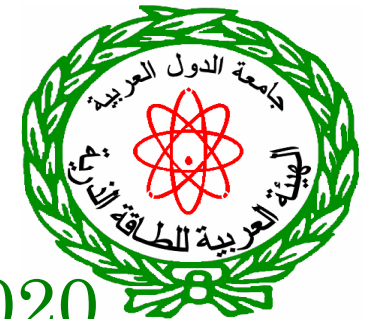
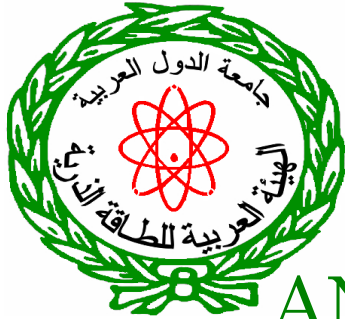
- To provide a platform for fostering regional cooperation in the area of regulatory infrastructure.
- To provide the platform for the exchange of expertise, information and experience.
- To provide opportunity for mutual support and coordination of regional initiatives.
- To provide basis for the establishment of a regional and national capacity building framework.



ANNuR STRATEGIC PLAN 2016-2020

THE ACTION PLAN

- 1 **Establishment and/or development of a national regulatory body in all Arab countries with high level of competencies and capabilities in line with the IAEA safety standards.**
- 2. **Harmonization of the national plans for emergency preparedness and response in line with international requirements and formation of an emergency response network to facilitate exchange of information and sharing of experience**



ANNuR STRATEGIC PLAN 2016-2020

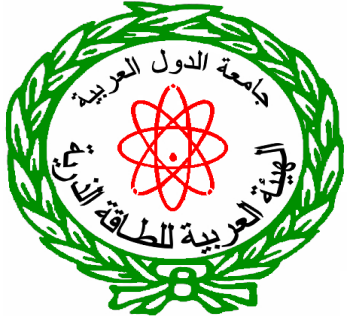
THE ACTION PLAN

3. **Enhancing the capability of Member States to build and maintain competence in management of radioactive sources and waste in line with the IAEA safety standards and security guidance.**
4. **Ensuring safe and secure utilization of research reactors**
5. **Establishment of an efficient and effective network of human resources and a cyber-community to ensure sustainable regional cooperation and to align national strategies for capacity building with IAEA safety standards and security guidance**

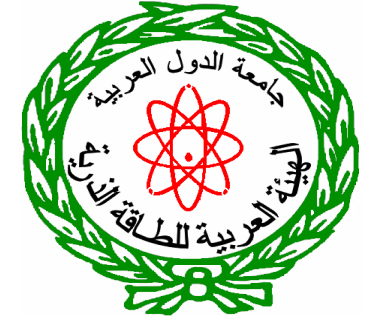


شكراً

Thank you



LEAGUE OF ARAB STATES ANNuR MEMBERS



شكراً

Thank you