

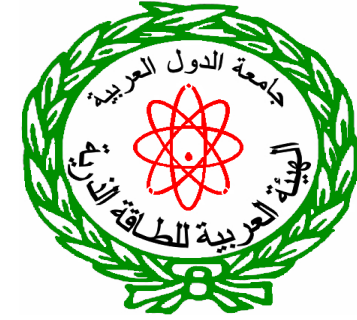
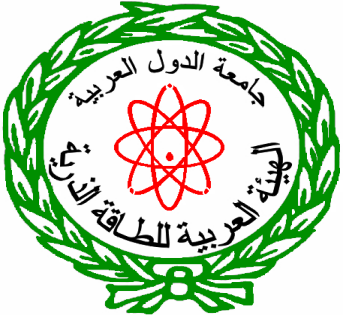


**2nd GNSSN Steering Committee (SC) Meeting**  
**Vienna, Austria**  
**03–05 April 2013**

**The Arab Network for  
Nuclear Regulators (ANNUR)**  
*The Arab Atomic Energy Agency*

Prof. Hafedh Belmabrouk  
President of ANNuR SC

Tunis



## 22 member states in LAS

### African Countries

Egypt  
Libya  
Sudan  
Tunisia  
Mauritania  
Morocco  
Algeria  
Comoros  
Djibouti  
Somalia



### Gulf Countries

Bahrain  
KSA  
Kuwait  
Oman  
Qatar  
UAE

### Asian Arab Countries

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

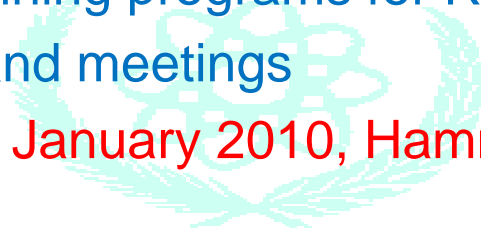
# National RB

ACs need to establish, develop and sustain a national regulatory bodies in relation to nuclear safety, and security framework based on the international instruments and the IAEA Nuclear Safety & Security Standards and Guidelines



# ANNuR establishment

- Terms of Reference of ANNuR has been put,
- A three phase project has been formulated
- Action plan for implementation has been outlined,
  - reflects current and future needs of Arab RBs
  - production of relevant regulations and guidelines in Arabic language
  - Education and training programs for RB staff
  - Expert missions and meetings
  - ANNuR declared, January 2010, Hammamet, Tunisia (First meeting)



# Objectives of the ANNuR

Pooling, analyzing and sharing existing and new knowledge and information on NSS

Facilitate the cooperation between Arab, regional and Int. nuclear bodies

Creation of human network and cyber community

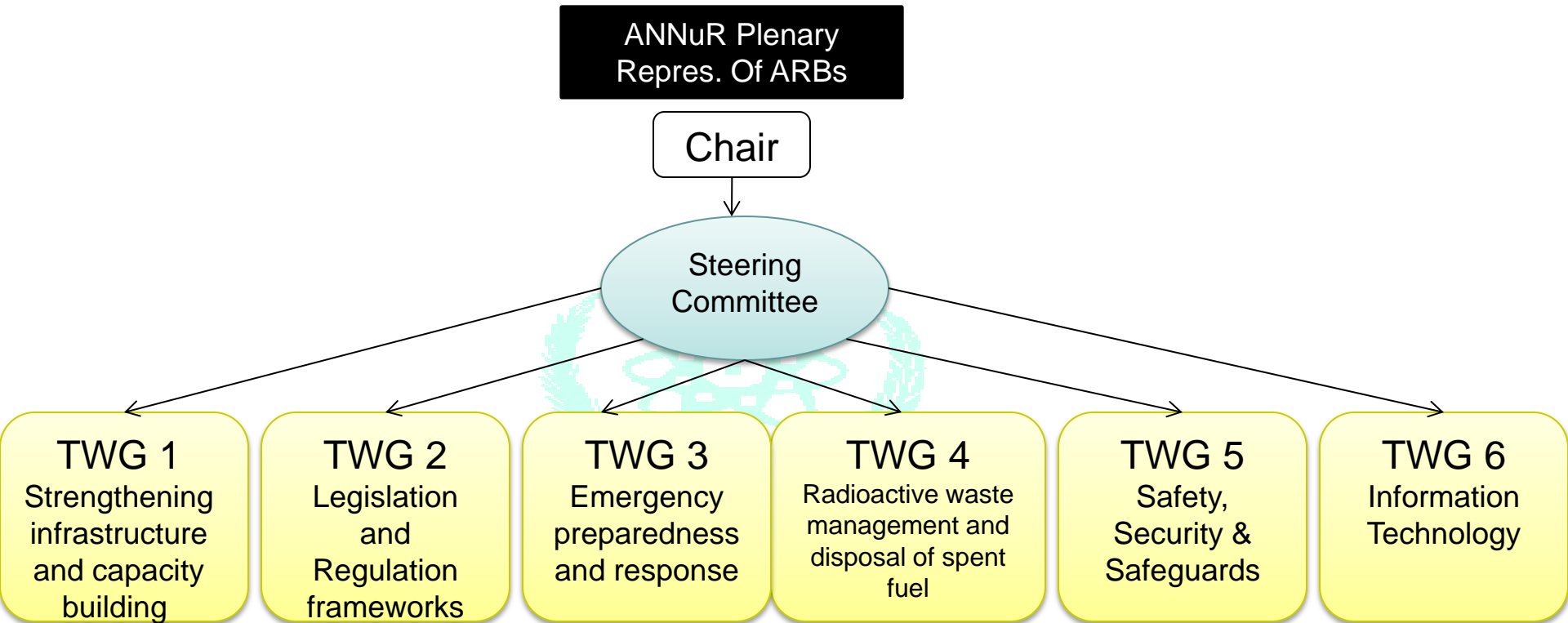
Capacity building system to share knowledge and experience between regulators in Arab countries

Enhancement of nuclear safety infrastructures in Arab countries

Assuring and upgrading safety of nuclear installations in ACs

Provide regulatory insights to nuclear safety issues specific to ACs

# ANNuR organisation



# The Thematic Working Groups

Thematic Working Group	coordinator
strengthening infrastructure and capacity building for regulatory bodies	Jordan
Legislation and Regulation frameworks	Tunisia
Emergency preparedness and response	Iraq
Radioactive waste management and disposal	Libya
Safety, Security and Safeguards	Egypt
Information Technology	AAEA and IAEA

- Chairmanship → Tunisia 2013 -2015
- Steering Committee → Morocco, Egypt, Iraq and Lebanon



*“The Agency has supported The Forum of Nuclear Regulatory Bodies in Africa and also supported the Arab Knowledge network ‘ANNuR’ created early this year. ”*

***Speech of Yukia Amano, IAEA DG, in Madrid , the 30th anniversary of establishing CNS ,June 2010***

***DG visited AAEA headquarter in Tunis June 2012***

***IAEA assists in establishing ANNuR and send experts to participate in different AAEA activities***

***IAEA and AAEA jointly organising many training activities e.g:***

- Workshop on Self-Assessment Tool for the SSG-16
- Regional Workshop on Nuclear Power Plant Project Management
- Regional Workshop on Collaboration on Radioactive Waste Management in the Arab Countries
- Training Course on IAEA Tools and Methodology on Energy Planning
- Regional Workshop on the SharePoint Application for Arab and African Regulatory Networks





*KINS is fully committed to support ANNuR, and other AAEA activities.*

- *MOU has been signed between KINS and AAEA*
  - *Co- sponsoring ANNuR*
  - *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, May 2012*
  - *A workshop on nuclear and radiation emergency: preparedness and response held in September 2012 in KINS radiation and nuclear emergency centre in Daejeon*
- 2 activities will be implemented in year 2013*



➤ **US-NRC supported 4 training programmes in the field Nuclear and Radiological Regulation:**

- **Nuclear Executive Workshop for Decision Makers in Regulation of Nuclear Power Programs**
- **Workshop on the Physical Protection of Radioactive Sources**
- **Site Application Review**
- **Workshop on Physical Protection of Nuclear Materials and Installations**

**US-NRC will support 3 more activities this year**



- **EU representatives attending all ANNuR meetings**
- **EU will support a training course on Legal & Regulatory Frameworks and Basic Safety Requirements for NPP this month in Tunisia**



➤ **AAEA has an agreement with DoE, LLNL to support 3 activities annually in the field of Nuclear SSS**

- Regional Workshop on Nuclear Power Plant Project Management
- Training Course on Basic Requirements of Nuclear Regulatory Bodies
- Regional Seminar on Radiation Protection, Nuclear Safety and Nuclear Security
- The Regional Workshop on Nuclear Security and Safeguards
- Workshop on Regulation, Legislation and Security of Radioactive Sources



## Libraries

2nd ANNuR meeting,  
Tunisia, 4 -7 May 2011

## Human Network

ANNuR Steering  
Committee

## IT Network

Information Technology  
National Regulatory  
Protal

## Working Groups

Strengthening  
Infrastructure and  
Capacity Building for  
Regulatory Bodies

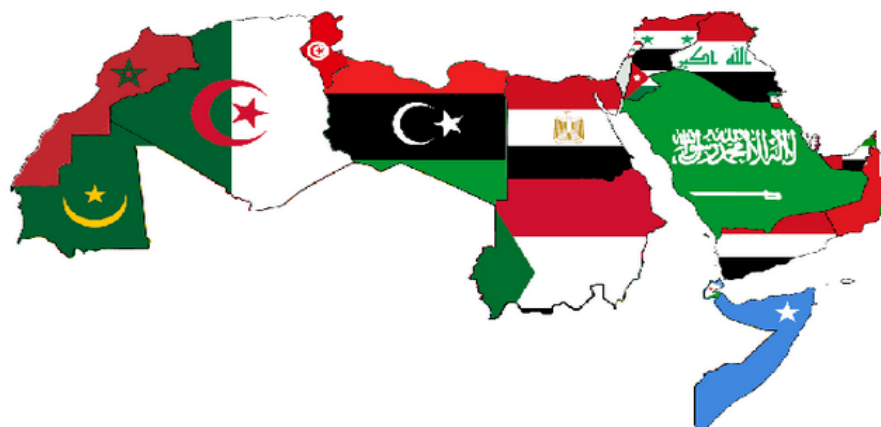
Legislation and  
Regulation Frameworks

Emergency  
Preparedness and  
Response

Radioactive Waste  
Management and  
Disposal of Spent Fuel

## Documents

2nd ANNuR Meeting 04-  
06 May Tunis



### Arab Atomic Energy Agency (AAEA) Member States

*Bahrain, Egypt, Iraq, Jordan, KSA, Kuwait, Lebanon, Libya, Palestine, Sudan, Syria, Tunisia, Yemen*

### ANNuR Member States

Along with all AAEA Member States these countries are members of ANNuR:  
*Algeria, Comoros, Djibuti, Mauritania, Morocco, Oman, Qatar, Somalia, UAE*

### The mission of ANNuR is:

- To enhance, strengthen and harmonize the regulatory infrastructure among the Arab countries
- To provide mechanisms for ANNuR to be an effective and efficient, internationally recognized network for exchange of regulatory experiences and practices among the nuclear regulatory bodies in Arab states
- To interact positively with other international and regional networks as well as GNSSF

[\[Arabic\]](#) [\[French\]](#)




## Links

- ▣ [ANNuR Member Countries](#)
- ▣ [ANNuR Partner Organizations](#)
- ▣ [Other Related Links](#)

 [Add new link](#)

# Proposals to improve the structure, navigation and design

Following proposal was recently made for the home page:

Home	Thematic working Groups	Steering Committee	Plenary	Country Regulatory Infrastructure	GNSSN
Tracking Location in site					
Events	News Flashes			AAEA LOGO	
Calendar	Arab Network for Nuclear Regulators			Registration	
Shared library				Webinar	
Terms of reference				Related links	
Discussions				FAQ	
Survey				Site map	
				Upcoming events	

## Proposals to improve the structure, navigation and design

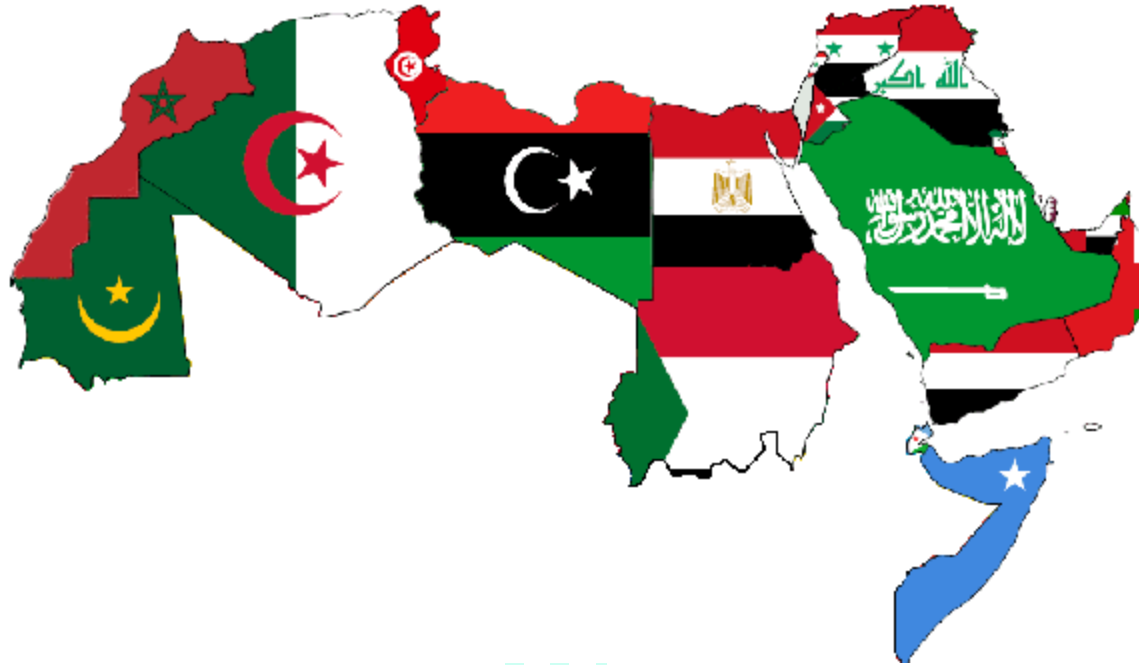
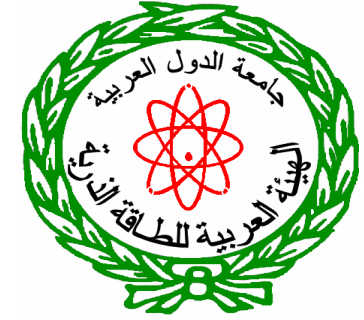
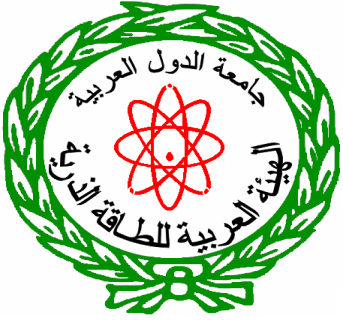
- Slide shows, news flashes and pictures could be used more to make the pages attractive.
- The navigation could be simplified and duplications removed.
- It is recommended to support better also the other browsers than Internet Explorer and start to consider support for users accessing the sites with mobile phones and tablets.
- There should be standard designs for sites of working groups and meetings and events. The standard folder structure for documents should be reviewed.

# Actions planned

- Reviewing terms of reference of the ANNuR steering committee
- Reviewing terms of reference of each thematic working group







**Thank you**