



**Arab Network for Nuclear Regulators  
ANNuR**

Abdelmajid Mahjoub  
Daw Mosbah

*Arab Atomic Energy Agency*

Tunis  
[aaaa@aaaa.org.tn](mailto:aaaa@aaaa.org.tn)

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**ANNuR MEMBRE STATES**

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,

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**Need for Arab Safety Networks**

- ☞ 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

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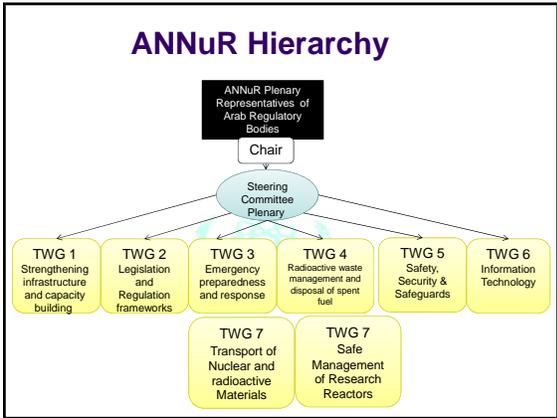
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### The Thematic Working Groups

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	IAEA/AAEA
Transport of Nuclear and Radioactive Materials	TBD
Safety Management of Research Reactors	TBD

• Chairmanship → Jordan 2011 -2013 , 2013-2015 → Tunisia

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### ANNuR Meetings

January 2010	+++++→	First meeting
May 2011	+++++→	Second meeting
April 2012	+++++→	Third meeting
March 2013	+++++→	Fourth meeting
March 2014	+++++→	Fifth meeting
March 2015	+++++→	Sixth meeting

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## Cooperation with IAEA



*IAEA assisted in establishing ANNuR*

*IAEA provides expert support to different ANNuR activities*

*IAEA funds many ANNuR activities, (TC, Wkps, EM,...)*

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

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## Cooperation with KINS



*• MOU has been signed between KINS and AAEA*

*• Co- sponsoring of ANNuR activities*

*• Attended all six ANNuR Annual Plenary meetings*

*• MsC grants in ISNS for ANNuR member states.*



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## US-NRC 2015-2016 support to ANNuR

- Workshop on Regulations and Technologies of Research Reactor
- Workshop on Advanced Steps on Safety of Radioactive Sources and Nuclear Materials
- Workshop on SMRs Technologies and Regulations.
- Workshop on Inspection Procedures on Research Reactors
- Workshop on radioactive sources management

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➤ **EU representatives participate at all ANNuR meetings**

➤ **EU supports ANNuR activities since 2013**

➤ **In 2015 Five actions are planned for implementation:**

- 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
- Regulation of Uranium Mining
- Radiation protection principles and system at Nuclear Facilities

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

➤ **SUBJECTS:**

- NPP Project Management
- Basic Requirements of Nuclear Regulatory Bodies
- Radiation Protection, Nuclear Safety and Nuclear Security
- Nuclear Security and Safeguards
- Regulation, Legislation and Security of Radioactive Sources
- Radiation Monitoring and Export Control

➤ **VENUES**

- Kuwait, Jordan, Morocco, Saudi Arabia Bahrain.

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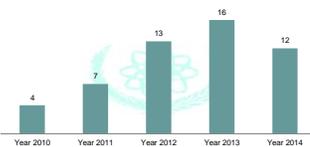
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**Number of training events per Year**



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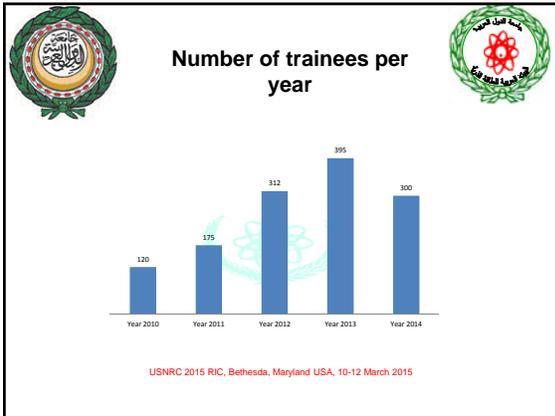
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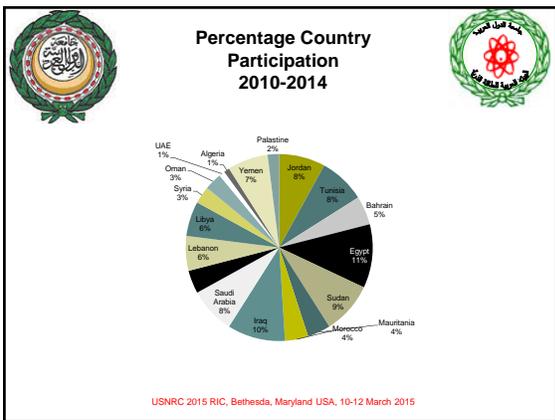
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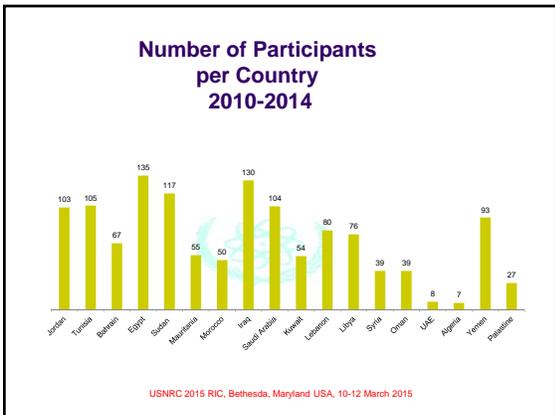
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ANNuR is developing an action plan for all member states operation a research reactor or willing to implement a RR, using the milestone approach. In May 2015, three IAEA departments jointly are implementing the final step of this project.

ANNuR is working with the IEC/IAEA to further develop the Emergency preparedness self-assessment for the region and a regional emergency action plan is expected in January 2016.

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In order to respond to the ANNuR member States needs in a systematic and proactive manner, ANNuR is working with the ANSN to use the ANSN regional self0assessment and to adopt it for the ANNuR region

As requested by partners during the GNSSN coordination meeting, ANNuR is developing an capacity building framework , in order to promote the challenges and the priority areas in the region and to build strategic partnerships with donors.

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ANNuR is coordination closely with FNRBA and ANSN to strengthen the Global nuclear safety and security framework.

ANNuR with the IAEA secretariat is promoting the National Nuclear Safety Knowledge management Platforms hosted under GNSSN. To this date 9 Countries have developed their NNRP. In June more countries will further develop their national area

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## GNSSN Survey on ANNuR

- During August-September 2014 the Global Nuclear Safety and Security Network (GNSSN) survey was carried out among 516 senior staff from 75 Member States
- The purpose of the survey was to evaluate the network's capability to enhance and strengthen governmental, organizational and individual competences and capacities, as well as to provide concrete recommendations and feedback.
- The survey results will be used as a baseline before introducing the ANNuR performance management framework.

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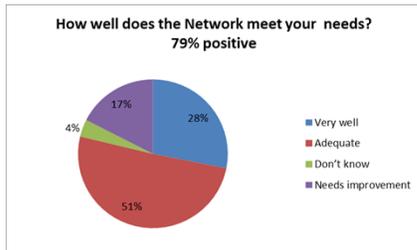
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## ANNuR countries reply to GNSSN Survey



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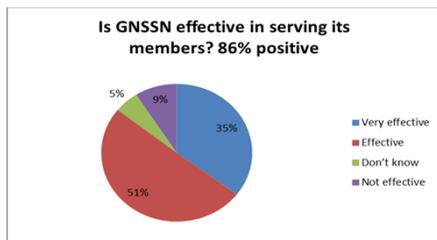
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## ANNuR countries reply to GNSSN Survey



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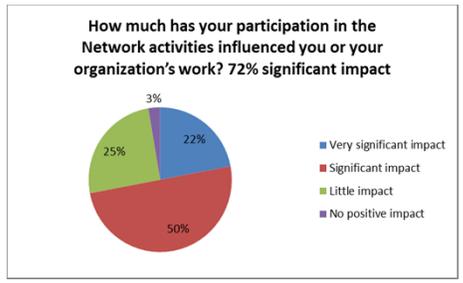
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### ANNuR countries reply to GNSSN Survey



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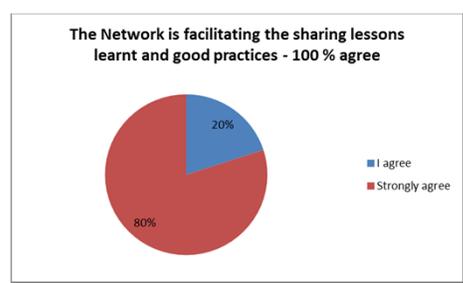
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### ANNuR countries reply to GNSSN Survey



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