

Basic Professional Training course on Nuclear Safety for the Arab Network of Nuclear Regulators and forum of Nuclear Regulator Bodies in Africa

Tunis



04-15 MAY 2015

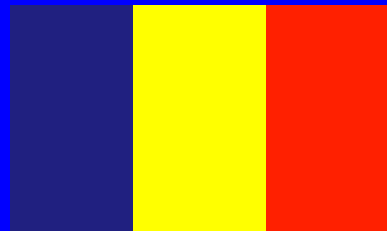
*Agence Tchadienne de la Radioprotection
et de Sûreté Nucléaire (ATRSN)
N'Djamena-Tchad BP: 816
Ministère de l'Énergie et du Pétrole*

Chad

TCHAD

Area : 1,284,000 km²
Populations: 11.2
million

NDJAMENA



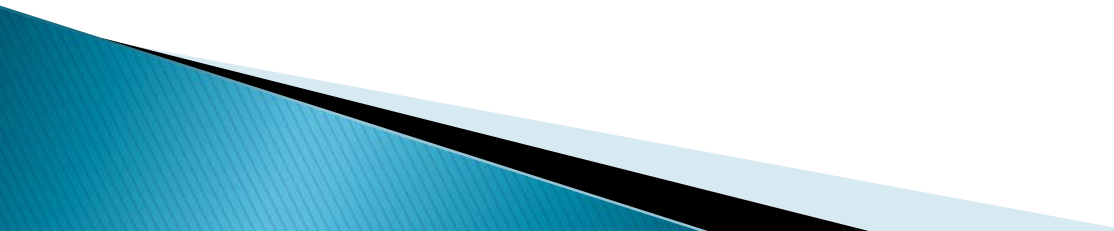
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- National Register of Radiation Sources
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Introduction

- ▶ Chad, sub-Saharan country, totally enclosed an area of 1,284,000 km², of which over half (63%) is desert. Since the 70s, its economy, its ecosystem and its population were significantly affected not only by the vagaries and extremes of climate but also by the often negative rights in the exploitation of natural resources.
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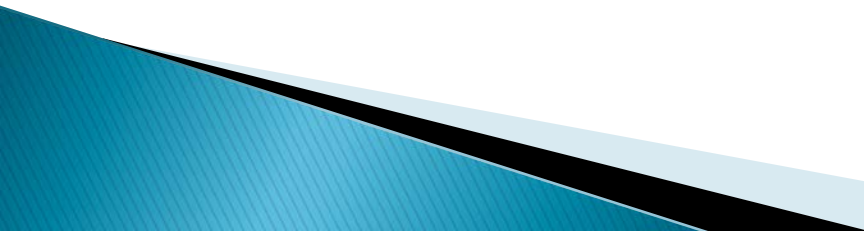
Organizational structure of the Agency ATRSN

- ▶ Number of staffs:
 - ▶ DG
 - ▶ DDG
 - ▶ SERVICE
- ▶ Five engineers
- ▶ Total staffs : 16

National Register of Radiation Sources

- ▶ The National Register of Radiation Sources is not finish
- ▶ The agency ATRSN work with the state subsidy,
- ▶ budget of the agency do not contribute regularly

The Legislation

- ❖ The law n° 002/2008 for the control of the radiation protection and nuclear safety has been adopted on 2008; this law creates the Chadian agency of Radioprotection and nuclear security.
 - ❖ The law covers all types of ionizing radiations and nuclear materials. Its main goal is to minimize the detrimental effects due to the use of these sources;
 - ❖ .the decree on establishment of functions, responsibilities; roles of regulatory body is adopted by the council of the minister on 23, February 2012.
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Suite

- . Both projects were approved by the Council of Ministers and later signed on August 24 under N ° 1388/PR/PM/MEP/ 2012, the appointing positions of responsibility Chadian Agency Radiation and Security nuclear (ATRSN) (a Director General and deputy Director General).

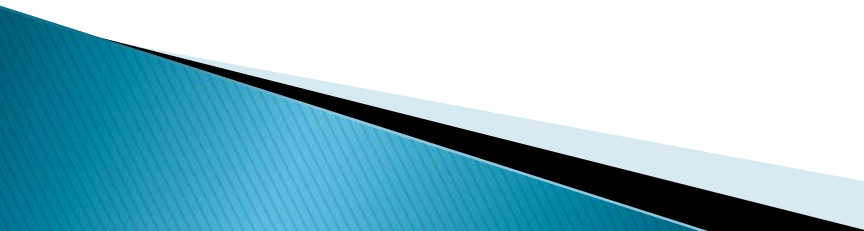
Article 1:

- ▶ This Law aims to protect people, property and the environment for both present and future generations against the harmful effects of ionizing radiation and to ensure the safety and security of radiation sources and any other radioactive material. It also aims to provide for the implementation of obligations undertaken by Chad under the Treaty on a Nuclear Weapons Free Zone in Africa (Treaty of Pelindaba) and the agreement between Chad and the Agency on the application of collateral under the Non-Proliferation Treaty of Nuclear Weapons and of any protocol to this Agreement.

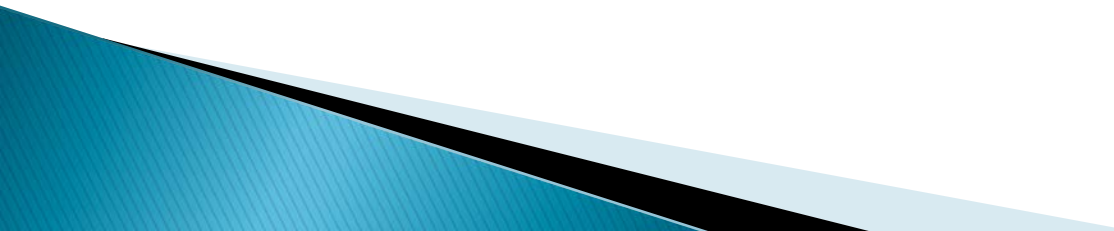
Regulations and Guidelines

- Régulations are adopte by council of the minister :
 - Decree on radioative waste management
 - Decree on protection of workers, public and environment

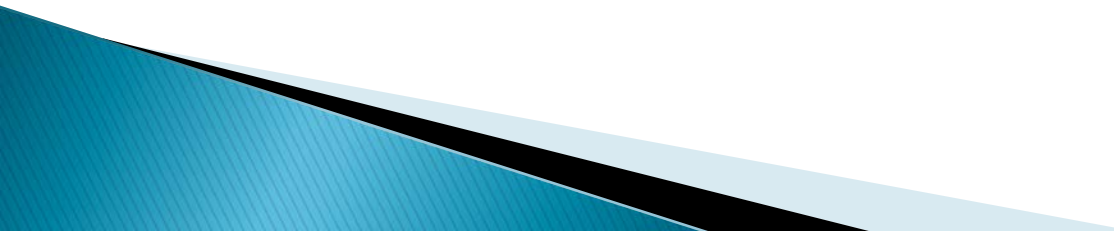
Radioactive Sources

- Some permissions have given to oil and mining companies to transport and Import the radioactive sources
 - radioactive sources are to be transported without authorization and control by the Consortium tanker meanwhile in the absence of regulatory
 - The mine societies site does declare now it using the radioactive sources
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Inspection Programme

- ▶ The Agency ATRSN inspection programme for 2015
 - ▶ To the hospital
 - ▶ all the clinic
 - ▶ Agriculture
 - ▶ The mining
 - ▶ The petroleum societies
 - ▶ And industry
- 

Regulatory Body Establishment and Independence and Funding

- ❖ The law N°002/PR 2008 has established a regulatory body within the Ministry of Energy and petroleum.
 - ❖ The title is ATRSN (Agence Tchadienne de Radioprotection et de Sûreté Nucléaire)
 - ❖ A budget is annually allocated by the Government through the Ministry of Energy and Petroleum
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International Cooperation

- Training/Meeting and workshop through the technical cooperation of the IAEA, FNRBA, KINS the technicians had been trained. These engineers came from:
 - ATRSN, Chadian Agency of radiation protection and safety security
 - The Ministry of Petroleum and Energy
 - The Ministry of mines and geology
 - The Ministry of environment
 - The Ministry of Health

conclusion

Chad received a lot of knowledge through technical cooperation with IAEA, FNRBA, and KINS .

we expect in the near future the Budget for to work good, to finalize our national inventory

Thank you for
your
Attention

