

- **International Conference on Human resource development for Nuclear Power Programmes**
  - **Vienna; 12 - 16 May 2014**

# • **Nuclear Education in Sudan, with emphasis on Atomic Energy Council**

• **Ammar M E HASSAN**

• **Sudan**

• **13/05/2014**

- Introduction

- Nuclear education in Sudan was introduced recently after the decision of embarking the **nuclear power program** which is planned to start in **2022** for the first **nuclear power plant**.

- Sudan Academy for Sciences; SAS

- SAS was established on 2004
- It only provides **postgraduates degrees** in different scientific fields
- It belongs to Ministry of Science and Communication
- The **Fedral Union** consists of 12 Research Councils

- Atomic Energy Council, AEC-SAS

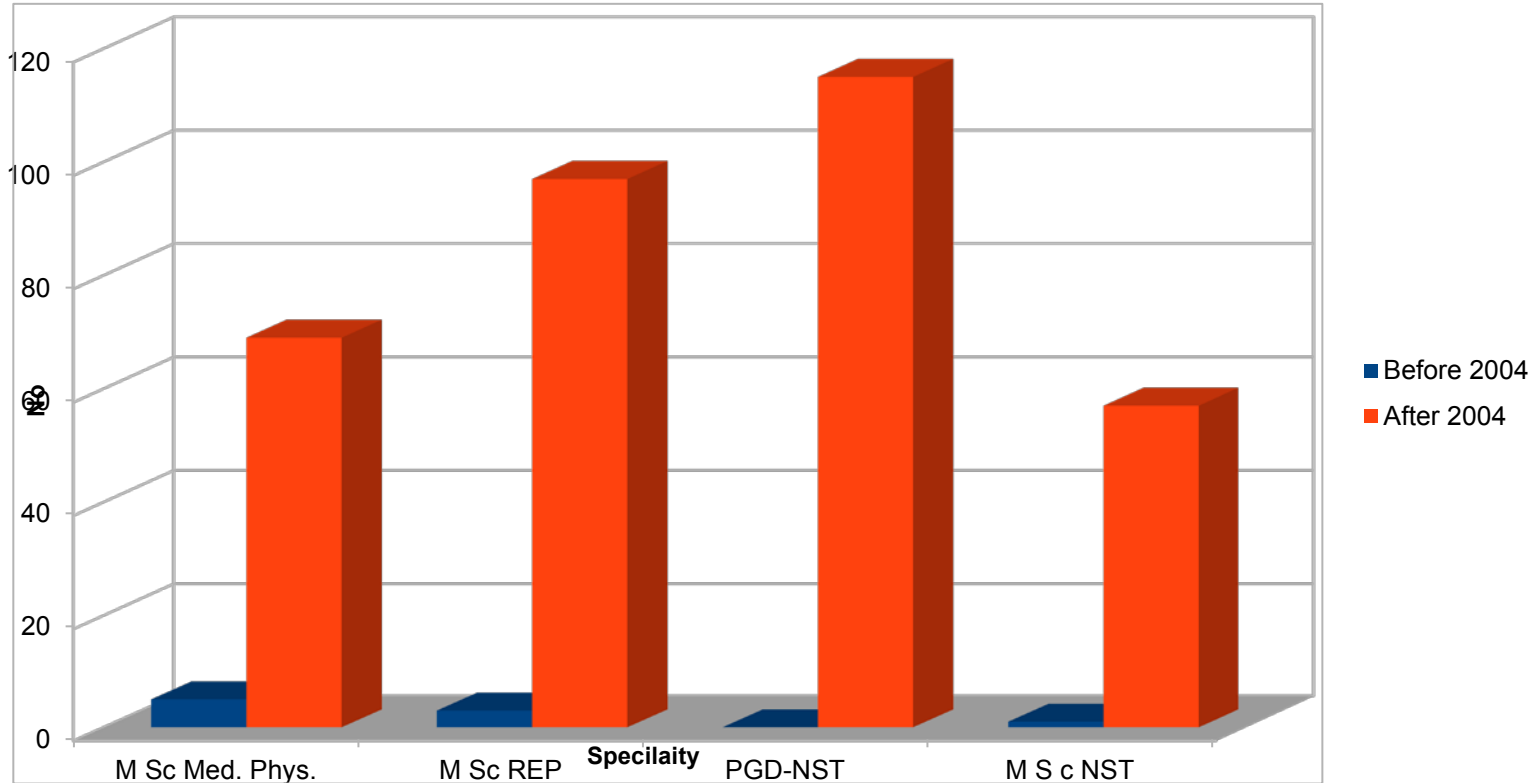
- AEC-SAS provides postgraduates degrees in Nuclear Sciences
- It is under supervision of Sudan Atomic Energy Commission
- THREE M Sc programs by courses in Nuclear Sciences:
  - Medical Physics
  - Radiation and Environmental Protection
  - Nuclear Science and Technology
- M Sc by research and Ph D are provided in different nuclear fields (Nuclear Physics, Nuclear Chemistry, Radiation Chemistry, Radiation Protection etc)

# •Sudan University of Science and Technology

- Honour B Sc in Nuclear Engineering
  - M.Sc. in Radiation Therapy Technology
  - M.Sc. in Diagnostic Medical Ultrasound Imaging
  - M. Sc. in Diagnostic Radiologic Technology
  - M.Sc. in Nuclear Medicine Technology
  - M.Sc. in Nuclear Medical Physics
  - M.Sc. Physics (Solid state and Nuclear Physics)
- 
- Honour B Sc in Medical Physic; University of El Neleen

- Figure No 1: Number of graduates or students at AEC-SAS

# •Figure No 2: Nnumber of qualified personnels graduated from AEC-SAS



## •References:

- 1 . Mamdouh Y. Abbas : a report on the program of master of medical physics, AEC-SAS; 2012.
- 2 . Student guides; Sudan Academy of Sciences; 2005.
- 3 . Taough courses guidelines; Sudan Academy of Sciences; 2008.
- 4. [www.sas-sd.net](http://www.sas-sd.net).
- 5. African master degree in NS & T: harmonized syllabus (as approved by the 18th meeting of AFRA representatives)
- 6. Report of a task force meeting on a regional postgraduate medical physics syllabus for academic programmes.
- 7. <http://sustech.edu/graduate>
- 8. <http://www.neelain.edu.sd/colleges/?colNo=15>
- 9. Ammar M E Hassan and Mohamed A H Eltayeb. Master Degrees in Nuclear Sciences by Courses at Sudan Academy of Sciences. 11Th Arab Conference on the Peaceful Uses of Atomic Applications; Khartoum 2012.