

FNRBA ANNUAL REPORT 2018

By Mr. Augustin SIMO, FNRBA's Chairperson

Summary

The FNRBA, established in 2009, aims to strengthen and harmonize radiation and nuclear safety and security regulatory infrastructures in its member countries, and to enable nuclear regulatory bodies to share experiences and practices.

The forum helps build nuclear safety and security capacity in Africa. It promotes networking and communication, coordination and collaboration among participating countries and partners.

FNRBA members focus particularly on Education, Training and Knowledge Management, Regulatory Framework for the Licensing of Nuclear Power Plants, Legislative and Regulatory Infrastructure, Safety of Radioactive Sources and Waste Management Infrastructure, Nuclear and Radiation Safety in Research Reactors, Transport Safety, Radiation Safety in Radiotherapy, Emergency Preparedness and Response, Radiation Safety in Uranium Mining and Milling, Nuclear Security.

This annual report is comprised of five parts: i) Introduction, ii) Governance, iii) Activities planned in 2018, iv) Achievements in 2018, and v) List of Contributors.

I. Introduction

The Forum of Nuclear Regulatory Bodies in Africa (FNRBA) was established on 26 March 2009. The establishment of FNRBA is considered as a key milestone catalysing the enhancement, strengthening and harmonization of radiation and nuclear safety and security regulatory infrastructure in member states and serve as effective platform for the exchange of regulatory experiences and practices among the nuclear regulatory bodies in Africa.

The purpose of FNRBA is to be instrumental to the enhancement, strengthening and harmonization of the radiation protection, nuclear safety and security regulatory infrastructure and framework among its members. It operates within the framework of the Global Nuclear Safety and Security Network (GNSSN) like other similar network established with full support and under the auspice of IAEA. FNRBA will have a website which will be hosted by the GNSSN web platform <https://gnssn.iaea.org/main/FNRBA/Pages/default.aspx>

FNRBA objectives

To Develop coordination and possible partnerships with among and between countries in Europe and Central Asia and in other regions with establishing:

- a platform to develop common approaches to build and maintain a high level of safety in line the IAEA safety standards,
- easy access to workshops and trainings on the FNRBA focus areas,
- a forum to strengthen the partnerships in the region and beyond.

II. Governance and Strategic Management

1) Governance

FNRBA is governed by Plenary with all representatives of the FNRBA members. The Steering Committee implements actions and reports to the Plenary once a year.

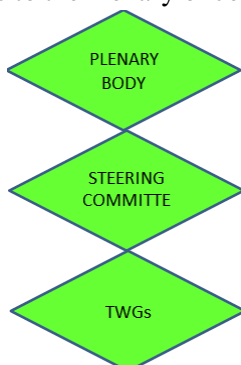


Figure 1: Governance of FNRBA

Chair	Cameroon	Mr Augustin Simo
Vice Chair	South Africa	Mr Bismark Tyobeka
Secretary	Senegal	Dr. Ndeye Arame Boye Faye
Deputy Secretary	Ghana	Dr. Emmanuel Ampomah-Amoako
Sub-Regional Coordinator (Central Africa)	Democratic Republic of Congo	Mr Emmanuel Atibu Kazinguvu
Sub-Regional Coordinator (Eastern Africa)	Uganda	Mr. Akisophel Kisolo
Sub-Regional Coordinator (Western Africa)	Mali	Mr. Nagantie Kone
Sub-Regional Coordinator (Southern Africa)	Zimbabwe	Ms Vongai Mavurayi
Sub-Regional Coordinator (Northern Africa)	Egypt	Mr Mohamed Reda Ezz El-Din
Leader of TWG1 - Legislative and Regulatory Infrastructure	Mauritius	Mr Faradally. A. Ollite
Leader of TWG2 - Radiation Safety in Radiotherapy	Ethiopia	Mr Salomon Getachew
Leader of TWG3 - Regulatory Framework for the Licensing of Nuclear Power Plants	South Africa	Mr Peter Bester
Leader of TWG4 - Radiation Safety in Uranium Mining and Milling	Namibia	Mr Joseph Eiman
Leader of TWG5 - Nuclear and Radiation Safety in Research Reactors	Ghana	Mr Rex Gyeabour Abrefah
Leader of TWG6 – Education & Training	Nigeria	Mr Yau Idris
Leader of TWG7 - Safety in Radioactive Waste Management Infrastructure	Kenya	Mr. Eric Mutinda Ngotho
Leader of TWG8 - Transport Safety	South Africa	Mr Paul Hinrichsen
Leader of TWG9 - Emergency Preparedness and Response	South Africa	Mr Alan Muller
Leader of TWG10 - Nuclear Security Infrastructure	Morocco	Name to be given

Figure 2: Distribution

2) FNRBA membership

FNRBA comprises Angola, Botswana, Burkina Faso, Cameroon, Chad, Cote D'Ivoire, DR Congo, Egypt, Ethiopia, Gabon, Ghana, Kenya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Namibia, Niger, Nigeria, Senegal, Seychelles, Sierra Leone, South Africa, Rwanda, Sudan, Tanzania, Tunisia, Uganda, Zambia and Zimbabwe..

3) FNRBA partnership

FNRBA have started to collaborate with partner organizations from various countries like: Canada, the European Commission, Finland, France, Germany, Italy, Japan, the Republic of Korea, Norway, the Russian Federation, Spain, Tunisia and the United States of America..

III. Planned activity for 2018

Topic	Dates	Place
Joint IAEA-IRDP/FNRBA Workshop on Fundamentals of Reactor Siting Safety, Environmental, and Emergency Planning	January 15-19, 2018	Vienna
Joint IRDP-FNRBA Research and Test Reactor Inspection Workshop and Coordination Meeting of TWG5	12-16 March 2018	Accra, Ghana
FNRBA coordination meeting and steering Committee meeting	May 2018	South Africa
10th Plenary meeting of FNRBA	September 2018	Vienna
Development of a guidance document for inspection of research reactors		

IV. Accomplishments in 2018

IV.1 Finalization Annual Report 2017

On 24 November 2017, the draft report prepared by the Secretariat was circulated to SC members. The report was released in December 2017 and was ready for publication in January 2018:

IV.2 Endorsement of the Revised FNRBA Charter

The draft revised Charter was circulated to SC for review on 17 Nov 2017. On 23 March 2018: FNRBA members were informed that the revised Charter approved during the Plenary

meeting in September 2017 was ready to be sent to all FNRBA Member States for endorsement.

Finally the NVs on the revised Charter was sent to all PM in March 2018 to request the endorsement of its endorsement; the procedures for this endorsement were joined to the NVs.

IV.3 Training courses and Workshops

IAEA Technical Cooperation Department, and IAEA Nuclear Safety and Security Department TC and have provided several training events relating to the functions of Regulatory Bodies.

Several IAEA-KINS joint events were organized in 2018.

Activity Title	Schedule			Target Countries	Venue	
	Q	M	Dates		Country	City /MT room
Joint IAEA-KINS : Regional Network Meeting on radiation safety and emergency response	Q2	June	25-29	ANSN, FNRBA, ANNuR	Korea	Daejeon (KINS)
Joint IAEA-KINS : Regional workshop on regulatory infrastructure for nuclear safety	Q4	December	3-7	ANSN, FNRBA, ANNuR	Korea	Daejeon (KINS)
Joint IAEA-KINS Regional Network Meeting on Basic Professional Training Course for nuclear safety	Q4	October	15-26	ANSN, FNRBA, ANNuR	Korea	Daejeon (KINS)
Joint IAEA-KINS : Regional workshop on siting evaluation for nuclear facilities	Q2	April	16-20	ANSN, FNRBA, ANNuR	Korea	Daejeon (KINS)

A Workshop on EP&R supported by AdTM US was implemented in January 2018.

Another workshop was implemented with EC support through ENSTTI programme..

WINS invited participants from FNRBA to International Event on Incident Planning and Emergency Response 12-15 February 2018 in Vienna.

IV.4 Contribution Paper

After being circulated for review by SC members on 13 December 2017 and 09 January 2018, the final version of Contribution Report was sent to FNRBA members on 29 March 2018. It includes proposed project ideas and activities addressing the challenges of regulatory bodies in Africa

A Survey to prioritize the proposed activities was ready on 14 February 2018. Members States were invited to complete it on 29 March 2018.

[Access to the online survey from March 30, 2018:](https://gnssn.iaea.org/main/FNRBA/Pages/FNRBASurvey.aspx)

<https://gnssn.iaea.org/main/FNRBA/Pages/FNRBASurvey.aspx>

IV.5 FNRBA AUC cooperation

AUC invited the Chair of FNRBA to **the 4th** Conference of States Parties (CSP) to **Pelindaba Treaty**, Addis Ababa ,Ethiopia, 14-15 March 2018. It was a great opportunity to promote the visibility and needs of FNRBA.

At this occasion, AFCONE Executive Secretary expressed his willingness to cooperate with FNRBA. The content of the Contribution report of FNRBA can support this cooperation, as it provides information on what can be done with AFCONE.

AUC also invited FNRBA to the Training course for African countries UN RES1540 Points of Contact from 14 to 17 August 2018; Mr. Reward Severa from Zimbabwe represented FNRBA at this event.

Meeting with AFRA Chair

A meeting between the SC and the AFRA Chair took place on Friday 22 September 2:25-3 pm. The objectives were to seek ways of mutual benefit Cooperation between AFRA and FNRBA. The discussions were opened and the two parties agreed on specific issues:

- Invitation to events organized by each party; and
- Sharing of regional concerns in regard to nuclear safety and security related to nuclear technologies deployed in Africa;

It was great loss that the AFRA Chair met à this occasion passed away few months later.

IV.6 13th Steering Committee Meeting of the FNRBA (FNRBA)

The 13th SC meeting was held from from May 16-18 in Johannesburg, South Africa along with Coordination meeting planned for March 2018.

Objectives: To assess the implementation of recommendations from last plenary and steering Committee meetings, and to share FNRBA programme with invited partners.

Invited participants:

- Margaret Mkhosi and Gino Moonsamy (NNR)
- Khammar Mrabit (Morocco)
- Alfredo de Los Reyes (Spain)
- Sukho Lee (Republic of Korea)

- Henry Pauwels (European Commission)
- Didier Louvat (ENSTTI – France)
- Ingrid Kirsten (WINS – South Africa)
- Mugeh Afshar-Tous (US-NRC – USA)
- AFRA chair (Uganda)
- Members of the Steering Committee of FNRBA and thematic working group

Signing of Practical Arrangement between IAEA and the FNRBA

The Practical Arrangement between IAEA and the Forum was signed by Mr Juan-Carlos Lentijo, Deputy Director General of the IAEA and Mr Bismark Tyobeka, Vice-chair of FNRBA. The signing was observed by the Steering Committee members and entire participants of the 2nd Nuclear Regulatory Information Conference of National Nuclear Regulator (NNR) of South Africa, on May 17th, 2018.

Session with Mr. Lentijo

Mr. Lentijo expressed his gladness in joining the SC during the 13th Meeting and signing of Practical Arrangement. He expressed readiness of the Agency to assist the Forum in the development of regulatory infrastructure in Africa.

Mr. Guo called for cooperation between AFRA and the Forum. He added that other avenues exist to allow assistance on development of regulatory infrastructure. He called for information flow on activities of the Forum.

IV.7 Preparation of 10th Plenary Meeting

The 10th Plenary is scheduled for 18 September 2018 from 9-11 am in Vienna on side lines of the 62nd IAEA General Conference .

The Agenda for the Plenary was prepared by the SC, and Meeting Room requested by the Chair

New FNRBA office bearers are expected to be elected during the present plenary.

V Contributors

- IAEA
- US-NRC
- KINS
- EC
- WINS
- African Union