



African Regional Cooperative
Agreement for Research,
Development and Training
Related to Nuclear Science
and Technology

The AFRA Fund

Enhancing regional
ownership of the
AFRA programme



May 2017

Published by:

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AFRA



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The AFRA Fund

The AFRA Fund was established in 2009 to mobilize resources to sustain and enhance nuclear science and technology activities in Africa

Establishment of the AFRA Fund

In 2007, the African Regional Cooperative Agreement for Research, Development and Training Related to Nuclear Science and Technology (AFRA) convened a High Level Policy Review Seminar in Aswan, Egypt, to assess progress achieved by AFRA since its inception; debate new trends and challenges; address vital issues related to the vision, strategic directions and management of the AFRA programme and identify additional actions at the policy level and operational measures for developing strategic partnerships to support AFRA cooperative plans and activities.

The seminar highlighted several priority issues which were adopted in the Aswan Declaration¹, including the establishment of an AFRA Fund to sustain and enhance nuclear science and technology in Africa, taking into consideration the increasing number of States Parties to the AFRA agreement and the subsequent need to increase funding for AFRA activities.

The decision to establish the AFRA Fund was endorsed by the 19th Meeting of AFRA Representatives in 2008. The Fund became operational in 2009.

Objective of the Fund

The AFRA Fund is a mechanism that helps the African Regional Cooperative Agreement to mobilize resources to support the implementation of the unfunded (referred to as footnote-a/) portion of the AFRA programme. It is therefore a vehicle for collecting the voluntary contributions of AFRA States Parties and donors.

The Fund provides a framework to demonstrate the States Parties' commitment to fostering regional cooperation and to strengthening the regional ownership of the AFRA programme. It is also a mean to accelerate AFRA's drive towards self-reliance, providing a solid foundation for the long term impact and sustainability of the contribution of nuclear science and technology to social welfare, health and education throughout Africa.

¹ See Annex 1: Aswan Declaration.



Administration of the Fund

During the 19th Meeting of AFRA Representatives it was agreed that the AFRA Fund should be administered by the International Atomic Energy Agency (IAEA), and that IAEA rules and procedures related to fund management should be applied. Pursuant to Article VII.3 (e) of the AFRA Agreement, IAEA prepares the AFRA Annual Report which includes among others, relevant information related to States Parties' contributions to the AFRA Fund and its use.

In 2009, the AFRA Chair presented a request to the IAEA, seeking advice and guidance on the best way to enable AFRA States Parties to pay their contributions to the Fund. Accordingly, the IAEA created a specific budget line within its financial records to receive States Parties voluntary contributions to the Fund.

The allocation of the contributions of States Parties to AFRA projects with unfunded activities (Footnote-a/) is the prerogative of the three AFRA Committees (Programme and Management Committee, Partnership Building and Resource Mobilization Committee and High Level Steering Committee on Human Resource Development and Nuclear Knowledge Management). Meanwhile, the AFRA Partnership Building and Resource Mobilization Committee (PBRMC) ensures that States Parties pay their voluntary contributions to the Fund in a timely manner to support AFRA activities and the implementation of its projects.

Voluntary contributions by AFRA States Parties support the implementation of the AFRA programme.

Shares of AFRA States Parties in the Fund

Emphasizing the voluntary nature of the Fund and the self-help principle, the AFRA Strategic Action Plan, Procedures and Operational Guidelines, stipulates that all AFRA States Parties should contribute 25% of the unfunded budget of the AFRA programme by the year 2012. As a follow-up to the Aswan Declaration, the 19th Technical Working Group Meeting (TWGM) proposed to use the same rate of apportionment applied by the IAEA, adjusted for AFRA States Parties. The target of 25% of the unfunded component of the programme has been phased in as of 2010, the year following the establishment of the Fund. In 2010, the target was 10%; 15% in 2011; and 25% in 2012. In 2016, the AFRA Partnership Building and Resource Mobilization reassessed the share of AFRA States Parties for the period 2016-2017 based on which the AFRA Chairperson sent official requests for payment to States Parties.

Annexes 2, 3, 4 and 5 indicate the voluntary contributions expected from each AFRA States Party from 2009 until 2016 in order to achieve the target of 25% of the unfunded component of the AFRA programme.





Pledge procedure

As specified in the AFRA Strategic Action Plan, Procedures and Operational Guidelines, pledge forms indicating the expected share of AFRA States Parties are distributed annually in time for the Technical Working Group Meeting (TWGM), by the Chairperson of AFRA to AFRA National Coordinators (NCs), using the official channel. Once the forms are completed and endorsed by government authorities, they are returned to the IAEA through the official channel. Heads of Delegations of AFRA States Parties are encouraged to include the pledge announcement in their statements during the General Conference.

Contributions to the Fund

Voluntary contributions by AFRA States Parties

Since its inception, the following AFRA States Parties have contributed to the AFRA Fund: Algeria, Botswana, Burkina Faso, Cameroon, Chad, Côte d'Ivoire, Democratic Republic of Congo, Egypt, Ethiopia, Ghana, Kenya, Lesotho, Madagascar, Mauritius, Morocco, Namibia, Niger, Nigeria, Seychelles, Sierra Leone, South Africa, Sudan, Tunisia, Uganda, United Republic of Tanzania, Zambia, and Zimbabwe.

The total contribution of AFRA States Parties to the Fund to date (covering the period 2009–2016) is €2 770 087.84. In 2015, contributions totalled €302 698. The total contributions received in 2016 was €841 376.

The list of contributions received by year from 2009 until 2016 is shown in Annex 6 and 7.

Use of the Fund

- The AFRA Fund is one of the funding sources for the approved AFRA Programme.
- The AFRA Fund covers the cost of organizing AFRA Committee meetings.
- Donors may stipulate that their contributions to the Fund be used for specific projects.
- AFRA Fund resources are not tied to a particular year. This means that funds remaining unused at the end of a fiscal year are still available to the Fund as a whole and to individual projects in the next year.

Achievements

The voluntary contributions of AFRA States Parties to the Fund have helped to upgrade 10 regional projects in the areas of human resource development and human health, focusing specifically on medical physics. These projects are RAF/0/031, RAF/0/041, RAF/0/043, RAF/0/046, RAF/2/010, RAF/5/076, R/A/F5078, RAF/6/044, RAF/6/045, RAF/6/038, RAF/6/051, RAF/9/048 and RAF/9/056.

These voluntary contributions supported fellowships awarded for the training of young African scientists under the two year Master Programme in Nuclear Science and the training of radiation protection officers through the Group Fellowship Training of the Postgraduate Education Course (PGE) in radiation protection. It also contributed to the training of technicians and engineers for the preventive maintenance and repair of nuclear instruments and the procurement of equipment in addition to covering the cost of recruiting lecturers for the two year Masters Programme in Nuclear Science and Technology.

The AFRA Fund also contributed to RAF/0/042 to support the IAEA's ongoing efforts to fight against the Ebola Virus Disease, and to the ReNual project to support the renovation of the IAEA Nuclear Applications Laboratories in Seibersdorf.

Contributions from donor countries and organizations

In addition to States Parties voluntary contributions to the AFRA Fund, contributions to the AFRA Fund from development partners are accepted upon the approval of the AFRA Partnership and Resource Mobilization Committee. Several AFRA projects have received extrabudgetary contributions from traditional partners and donor countries which significantly contribute to complement regional efforts to support the implementation of AFRA projects.

Sustaining and enhancing nuclear science and technology activities in Africa through the AFRA fund

Annex 1: Aswan Declaration

PREAMBLE

WE, the Ministers and Heads of Delegation responsible for nuclear science and technology of the Member States of the African Regional Co-operative Agreement for Research, Development and Training related to Nuclear Science and Technology (AFRA) meeting at the High Level Policy Review Seminar held from 28 to 29 November 2007 in Aswan (Egypt);

Acknowledging the decision of the 17th Meeting of the Representatives held in Vienna in September 2006, regarding the organization of a High Level Policy Review Seminar,

Recalling the commitments and decisions made at the first African High Level Conference on Nuclear Energy: Contribution to Peace and Socio-Economic Development, held in Algiers, Algeria, 9-10 January 2007;

Recalling the Decision (EX.CL/Dec.339 (X)) of the Executive Council of the African Union, taken at its Meeting of 29-30 January 2007, in Addis Ababa (Ethiopia), on the contribution of nuclear energy to peace and socio-economic development;

Aware of the significant progress achieved in nuclear science and technology at global level, and its impact on improving human health, nutrition, agriculture, water resources management, energy, industry and protecting the environment;

Taking into account the important role that nuclear science and technology play in achieving Africa's common aspirations as articulated in the AFRA Agreement,

Acknowledging the need for increasing the participation of women and youth in nuclear science and technology,

Bearing in mind the recommendations of the Commission for Africa and the United Nations Millennium Development Goals as well as the increasing international attention to the role of nuclear science and technology in sustainable development;

Further aware of the need to increase, to a significant extent, the support to the promotion of nuclear science and technology as well as research and development, education and training within the AFRA framework;

Aware of the necessity to deploy greater efforts to promote the peaceful uses of nuclear science and technology with a view to accelerating the socio-economic development of Africa;

Seeking to explore all ways and opportunities available to Africa, including generation of electricity and water desalination through nuclear energy , to achieve its development and attain the millennium development goals, taking into account the needs of African populations in the field of health, agriculture, food, water resources, energy and industry, through inter alia cooperation and establishment of strategic partnerships ;

Stressing the primary role of the International Atomic Energy Agency in the promotion of the peaceful uses of nuclear energy for human development, in accordance with Article II of its statute and in Article IV of Non Proliferation Treaty;

Aware of the contribution of nuclear energy to sustainable peace and development in Africa as a prerequisite for progress and improvement of the well-being of the peoples of the continent;

Stressing the renewed interest shown, at the global level, for nuclear power as a viable and sustainable source of energy and as a strategic option to diversify the sources of power generation in order to ensure energy security in the African continent;

Also aware of the need to establish a Fund to sustain and enhance nuclear science and Technology activities in the continent;

HEREBY:

- 1- Thank the Egyptian government for hosting this Seminar and express our appreciation to the International Atomic Energy Agency for supporting the organization of this Seminar,
- 2- Welcome also the progress achieved by some African countries in the field of peaceful uses of nuclear energy and call for the strengthening of inter-African cooperation in the framework of AFRA,
- 3- Underline the need to promote policies for peaceful uses of nuclear energy at national and regional levels, in order to accelerate the socio-economic development and improve the well-being of the African populations,
- 4- Welcome the existing cooperation between the African States and the International Atomic Energy Agency, and call upon the Agency to strengthen its cooperation with the African States at bilateral level as well as through the AFRA Agreement,
- 5- Urge African States to increase budgetary allocation for national nuclear science and technology related programs,

- 6- Call for the Establishment of an AFRA Fund to support the development nuclear science and technology in Africa,
- 7- Renew the commitment to the spirit and objectives of AFRA, as the framework of cooperation between African countries and also as a mechanism for Technical Cooperation among Developing Countries (TCDC),
- 8- Support the improvement of the managerial procedures of AFRA, with a view to increasing effectiveness and efficiency and to promoting full ownership of its programs by African Member States,
- 9- Adopt the AFRA Regional Strategic Cooperation Framework for 2008-2013, which identifies the fields of priority for cooperation in nuclear science and technology,
- 10- Renew the importance we attach to establishing national radiation safety and waste management infrastructure, in conformity with the pertinent international norms and requirements,
- 11- Reaffirm our commitment to continue attaching high priority to the needs of the African countries with less advanced nuclear technology development, through enhanced TCDC modalities,
- 12- Pledge to ensure that our national programs will support the implementation of AFRA programs and projects,
- 13- Call on the AFRA partners, stakeholders, in particular international organizations, to support financially the activities and programs undertaken by AFRA,
- 14- Reaffirm the importance of human resources development and nuclear knowledge management and call upon Member States, donors and international organizations to support the implementation of AFRA's strategy in this field,
- 15- Enhance the contribution of women and youth in nuclear science and technology,
- 16- Adopt the Plan of Action annexed to the Final Declaration of the Seminar.

Adopted in Aswan, 29th of November 2007

ANNEX 2: Member States shares to the AFRA Fund 2009–2011

Member State	2009	2010	2011	Total 2009-2011
	Share (AFRA)	Share (AFRA)	Share (AFRA)	Share (AFRA)
	10% \$	5% \$	10% \$	25% \$
Algeria	43 968	21 984	43 968	109 921
Angola	1609	804	1609	4022
Benin	536	268	536	1341
Botswana	6971	3485	6971	17 427
Burkina Faso	1072	536	1072	2681
Cameroon	4826	2413	4826	12 065
Central African Republic	536	268	536	1341
Chad	536	268	536	1341
Côte d'Ivoire	4826	2413	4826	12 065
Democratic Republic of the Congo	1609	804	1609	4022
Egypt	45 577	22 789	45 577	113 943
Eritrea	536	268	536	1341
Ethiopia	1609	804	1609	4022
Gabon	4290	2145	4290	10 724
Ghana	2145	1072	2145	5362
Kenya	5362	2681	5362	13 405
Lesotho				
Libyan Arab Jamahiriya	32 172	16 086	32 172	80 430
Madagascar	1072	536	1072	2681
Malawi				
Mali	536	268	536	1341
Mauritania, Islamic Republic of	536	268	536	1341
Mauritius	5898	2949	5898	14 746
Morocco	21 448	10 724	21 448	53 620
Mozambique				
Namibia	3217	1609	3217	8043
Niger	536	268	536	1341
Nigeria	24 665	12 333	24 665	61 663
Senegal	2145	1072	2145	5362
Seychelles				
Sierra Leone	536	268	536	1341
South Africa	150 136	75 068	150 136	375 340
Sudan	5362	2681	5362	13 405
Tunisia	16 086	8043	16 086	40 215
Uganda	1609	804	1609	4022
United Republic of Tanzania	3217	1609	3217	8043
Zambia	536	268	536	1341
Zimbabwe	4290	2145	4290	10 724
TOTAL	400 009	200 004	400 009	1 000 022

ANNEX 3: Member States shares to the AFRA Fund 2012 - 2013

Member State	2012	2013	Total 2012-2013
	Share	Share	Share
	\$	\$	\$
Algeria	106 990	68 531	175 521
Angola	3914	2507	6421
Benin	1305	836	2141
Botswana	16 962	10 865	27 827
Burkina Faso	2610	1671	4281
Cameroon	11 743	7522	19 265
Central African Republic	1305	836	2141
Chad	1305	836	2141
Côte d'Ivoire	11 743	7522	19 265
Democratic Republic of the Congo	3914	2507	6421
Egypt	110 904	71 038	181 942
Eritrea	1305	836	2141
Ethiopia	3914	2507	6421
Gabon	10 438	6686	17 124
Ghana	5219	3343	8562
Kenya	13 048	8357	21 405
Lesotho	1305	836	2141
Libyan Arab Jamahiriya	78 285	50 145	128 430
Madagascar	2610	1671	4281
Malawi	1305	836	2141
Mali	1305	836	2141
Mauritania, Islamic Republic of	1305	836	2141
Mauritius	14 352	9193	23 545
Morocco	52 190	33 430	85 620
Mozambique	1305	836	2141
Namibia	7829	5014	12 843
Niger	1305	836	2141
Nigeria	60 019	38 444	98 463
Senegal	5219	3343	8562
Seychelles	2610	1671	4281
Sierra Leone	1305	836	2141
South Africa	365 331	234 008	599 339
Sudan	13 048	8357	21 405
Tunisia	39 143	25 072	64 215
Uganda	3914	2507	6421
United Republic of Tanzania	7829	5014	12 843
Zambia	1305	836	2141
Zimbabwe	10 438	6686	17 124
TOTAL (US\$)	979 876	627 643	1 607 519

Annex 4: States Parties Shares to the AFRA Fund 2014–2015

Member State	2014	2015	Total
	Share (AFRA) (€)	Share (AFRA) (€)	Share (AFRA) (€)
	10%	15%	
Algeria	52 740.00	67 501.00	120 241.00
Angola	1931.00	2472.00	4403.00
Benin	627.00	803.00	1430.00
Botswana	8355.00	10693.00	19 048.00
Burkina Faso	1304.00	1669.00	2973.00
Cameroon	5843.00	7479.00	13 322.00
Central African Republic	627.00	803.00	1430.00
Chad	627.00	803.00	1430.00
Côte d'Ivoire	5843.00	7479.00	13 322.00
Democratic Republic of the Congo	1931.00	2472.00	4403.00
Egypt	54 672.00	69 974.00	124 646.00
Eritrea	627.00	803.00	1430.00
Ethiopia	1931.00	2472.00	4403.00
Gabon	5167.00	6614.00	11 781.00
Ghana	2559.00	3276.00	5835.00
Kenya	6423.00	8221.00	14 644.00
Lesotho	627.00	803.00	1430.00
Libyan Arab Jamahiriya	38 589.00	49 390.00	87 979.00
Madagascar	1304.00	1669.00	2973.00
Malawi	627.00	803.00	1430.00
Mali	627.00	803.00	1430.00
Mauritania, Islamic Republic of	627.00	803.00	1430.00
Mauritius	7051.00	9024.00	16 075.00
Morocco	25 742.00	32 947.00	58 689.00
Mozambique	627.00	803.00	1430.00
Namibia	3863.00	4945.00	8808.00
Niger	627.00	803.00	1430.00
Nigeria	29 606.00	37 892.00	67 498.00
Senegal	2559.00	3276.00	5835.00
Seychelles	1304.00	1669.00	2973.00
Sierra Leone	627.00	803.00	1430.00
South Africa	180 053.00	230 446.00	410 499.00
Sudan	6423.00	8221.00	14 644.00
Tunisia	19 270.00	24 664.00	43 934.00
Uganda	1931.00	2472.00	4403.00
United Republic of Tanzania	3863.00	4945.00	8808.00
Zambia	627.00	803.00	1430.00
Zimbabwe	5167.00	6614.00	11 781.00
TOTAL	482 948.00	618 132.00	1 101 080.00

Annex 5: States Parties Shares to the AFRA Fund (2016-2017)

Member State	2016	2017	Total
	Share (AFRA)	Share (AFRA)	Share (AFRA)
	15% (EUR)	10% (EUR)	25% (EUR)
Algeria	59 266	39 510	98 776
Angola	2168	1446	3614
Benin	723	482	1205
Botswana	9396	6264	15 660
Burkina Faso	1446	964	2410
Burundi	723	482	1205
Cameroon	6505	4337	10 842
Central African Republic	723	482	1205
Chad	723	482	1205
Côte d'Ivoire	6505	4337	10 842
Democratic Republic of the Congo	2168	1446	3614
Egypt	61 434	40 956	102 390
Eritrea	723	482	1205
Ethiopia	2168	1446	3614
Gabon	5782	3855	9637
Ghana	2891	1927	4818
Kenya	7228	4818	12 046
Lesotho	723	482	1205
Libya	43 365	28 910	72 275
Madagascar	1446	964	2410
Malawi	723	482	1205
Mali	723	482	1205
Mauritania	723	482	1205
Mauritius	7950	5300	13 250
Morocco	28910	19 273	48 183
Mozambique	723	482	1205
Namibia	4337	2891	7228
Niger	723	482	1205
Nigeria	33 247	22 164	55 411
Senegal	2891	1927	4818
Seychelles	1446	964	2410
Sierra Leone	723	482	1205
South Africa	202 371	134 914	337 285
Sudan	7228	4818	12 046
Tunisia	21 683	14 455	36 138
Uganda	2168	1446	3614
United Republic of Tanzania	4337	2891	7228
Zambia	723	482	1205
Zimbabwe	5782	3855	9637
TOTAL	543 517	362 344	905 861

Annex 6: List of contributions received by year (2009-2012)

Member State	Year			
	2009	2010	2011	2012
Algeria				
Angola				
Benin				
Botswana				\$13 541
Burkina Faso				
Cameroon	\$4826	\$2413	\$3388	
Central African Republic				
Chad				
Côte d'Ivoire	\$4826	\$2413		
Democratic Republic of the Congo	\$1609	\$804		
Egypt	\$45 577	\$22 789	\$45 577	
Eritrea				
Ethiopia				
Gabon				
Ghana	\$2145	\$1072		
Kenya				\$13 405
Lesotho				
Libya				
Madagascar	\$1072	536	\$1072	
Malawi				
Mali				
Mauritania				
Mauritius	\$5898	\$2949		
Morocco				
Mozambique				
Namibia	\$3217	\$1609		\$3217
Niger			\$970	
Nigeria	\$24 665	\$12 333	\$24 665	
Senegal				
Seychelles				
Sierra Leone	\$536	\$268	\$536	
South Africa				\$289 762
Sudan				
Tunisia			\$16 086	
Uganda	\$1609		\$1206.5	
United Republic of Tanzania				
Zambia	\$536		\$553	
Zimbabwe	\$4290	\$4289.60	€2299	

Annex 7: List of contribution received by year (2013-2016)

Member State	Year			
	2013	2014	2015	2016
Algeria				€444 888
Angola				
Benin				
Botswana	€7963	€8355	€10 693	€9396
Burkina Faso	€3004.54	€1287	€2561	€3396*
Cameroon	€9077	\$7778	€10 386	€11 112
Central African Republic				
Chad		\$3481		
Côte d'Ivoire	€5406	€5843		€4079
Democratic Republic of the Congo	€4855.30	\$2703		€6012*
Egypt	€133 909	€124 646		
Eritrea				
Ethiopia				
Gabon				
Ghana	€3925			
Kenya				€40 773*
Lesotho		€1430		€2635
Libya				
Madagascar		\$4281		
Malawi				
Mali			€4643	
Mauritania				
Mauritius	€22 473	€7051	€10 295	€13 250*
Morocco		\$139 240	€32 947	€54 652*
Mozambique				
Namibia		\$12 843	€8808	€7228
Niger		€1914	€1413	
Nigeria	€111 663			
Senegal				
Seychelles		€5621	€2797	
Sierra Leone			€3533	
South Africa		\$599 339	€180 053	€230 446
Sudan		\$34 810		
Tunisia				
Uganda	€1825			€6895
United Republic of Tanzania	€8033		€19 609	
Zambia		€549	€1430	
Zimbabwe			€13 579	€6614

* Member State made two contributions during the year



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