



Seventieth Session  
25 – 28 September 2012

EC-70/DG.9  
C-17/DG.10  
12 September 2012  
Original: ENGLISH

### NOTE BY THE DIRECTOR-GENERAL

#### THE PROGRAMME TO STRENGTHEN COOPERATION WITH AFRICA ON THE CHEMICAL WEAPONS CONVENTION

1. In his Note to the Executive Council (hereinafter “the Council”) at its Sixty-Second Session (EC-62/DG.15, dated 30 September 2010), the Director-General stated that, in light of the positive experience to date of the Technical Secretariat (hereinafter “the Secretariat”) with respect to the Programme to Strengthen Cooperation with Africa on the Chemical Weapons Convention (hereinafter “the Africa Programme”), the Secretariat intended to continue to implement the Africa Programme in a new (second) phase for another three-year period, commencing on 1 January 2011 and ending on 31 December 2013. The Director-General further stated that he would submit a report on the first phase of the Africa Programme to the Conference of the States Parties (hereinafter “the Conference”) at its Fifteenth Session.
2. The Director-General subsequently submitted a Note to the Conference at its Fifteenth Session (C-15/DG.12, dated 10 November 2010), which contained a report on an in-depth assessment conducted by the Secretariat of the activities undertaken under the auspices of the Africa Programme since its inception. The Note also included a report on the delivery of the Africa Programme in 2010. The Conference took note, with appreciation, of the aforementioned Note by the Director-General (paragraph 19 of C-15/5, dated 3 December 2010).
3. In May 2011, the Director-General presented a Note entitled “The Second Phase of the Programme to Strengthen Cooperation with Africa on the Chemical Weapons Convention” to the Council at its Sixty-Fourth Session (EC-64/DG.5, dated 6 April 2011). The Note provided details of the specific components of the second phase of the Africa Programme and the matters it sought to address. It also outlined the objectives of the second phase of the Africa Programme, based on the review undertaken in the aforementioned in-depth assessment. The original objectives had been realigned to provide the second phase of the Africa Programme with more relevance, focus, and scope. In response, the Council, at its Sixty-Fourth Session, noted the aforementioned Note by the Director-General on the second phase of the Africa Programme (paragraph 12 of EC-64/6, dated 6 May 2011).
4. At its Sixty-Sixth Session, the Council considered and noted a Note by the Director-General on the OPCW Programme for Africa (EC-66/4, dated 7 October 2011). The Note was subsequently submitted to the Conference at its Sixteenth Session, and



the Conference, in turn, noted in its report the Note by the Director-General on the Africa Programme (C-16/5, dated 2 December 2011).

5. The Director-General has reported to all sessions of the Conference on the new initiatives, activities, events, and progress made by the Secretariat in the delivery of the Africa Programme since it commenced. Since the submission of the Director-General's Note on the Africa Programme to the Conference at its Sixteenth Session (EC-66/DG.13 C-16/DG.14, dated 20 September 2011), progress has continued to be recorded in realising the objectives set under the second phase of the programme.
6. This report, which focuses on the delivery of the Africa Programme in 2012, is hereby submitted to the Council for consideration at its Seventieth Session, in line with the mandate of the Secretariat. It will subsequently be submitted to the Conference at its Seventeenth Session, in line with previous practice.
7. In 2012, the Secretariat continued to organise activities aimed at providing tailor-made, focused support in Africa under the auspices of the Africa Programme. These activities were designed to meet the needs of the States Parties in the region and to enhance their national capacities in order to enable them to implement the provisions of the Chemical Weapons Convention (hereinafter "the Convention") more effectively. It should be noted that details of the activities listed in this Note scheduled to be undertaken after 31 August 2012 are estimates and based on projections as contained in the relevant project documents.
8. During the reporting period, the following initiatives and activities were realised under the Africa Programme:
  - (a) three bilateral visits to sensitise parliamentarians about the importance of adopting national implementing legislation currently before them;
  - (b) two training courses for customs officers on the transfers provisions of the Convention;
  - (c) a pilot National Authority mentorship programme;
  - (d) a planning meeting for members of the Southern Africa subregion project on assistance and protection;
  - (e) a training course for instructors from States Parties of the Southern Africa subregion;
  - (f) a basic course on assistance and protection targeted at States Parties from the West Africa subregion;
  - (g) a regional workshop on the implementation of Article X of the Convention;
  - (h) the flagship Associate Programme, which continues to equip scientists and engineers from Africa with an integrated experience in modern safety, production, and management practices in the chemical industry. In the area of chemical analysis, the Secretariat has continued to support dedicated courses

on the development of analytical skills in chemical laboratories. Support for internships, research projects, and conferences has also continued. The capabilities of one African laboratory have been enhanced through the donation of analytical glassware under the Equipment-Exchange Programme;

- (i) a pilot training programme on the development of natural products, sponsored through a voluntary contribution from Norway; and
  - (j) a second workshop for senior laboratory managers in the Africa region was held in The Hague, designed to develop a networking strategy and implementation framework to mutually support the promotion of analytical skills in the Africa region on a sustainable basis.
9. Further details of these activities are provided in the annexes to this Note. The summaries of the support provided with regard to Articles VII, X, and XI in 2012 are provided below.

### **Implementation support**

10. In the area of implementation support, one subregional training course for customs officials from States Parties in East and Southern Africa and one for customs officials from States Parties in North, Central, and West Africa were organised by the Secretariat in collaboration with the respective National Authorities. The first was held in Mombasa, Kenya, from 17 to 20 April 2012, and the second in Accra, Ghana, from 8 to 11 October 2012. The courses focused on the technical aspects of the transfers regime of the Convention and were both supported with voluntary funding.
11. As part of efforts to enhance the technical support and assistance it provides to States Parties, the Secretariat supported a pilot National Authority mentorship programme. Under the initiative, two National Authorities in the region were partnered. One of the National Authorities was at an advanced level in terms of its implementation of the provisions of the Convention, while the second was at a much lower level. The mentorship programme is facilitated by the Secretariat in respect of the provision of financial support and technical advice, and through exchanges between the two National Authorities. The exchanges are designed to complement the work of the Secretariat by making the knowledge, skills, and experience of the more advanced and experienced National Authorities available to others. The Secretariat expects to promote two to three more such exchanges in Africa, depending on the success of the pilot project.
12. A regional meeting of National Authorities in Africa was held during the reporting period in collaboration with the African Union (AU) at its headquarters in Addis Ababa, Ethiopia, from 22 to 24 May 2012. The meeting was significant as it was the tenth in the series of annual meetings organised by the Secretariat for National Authorities in the region to confer, network, and share experiences and also to consult with the Secretariat on how best they can fulfil their obligations and what assistance the Secretariat can provide in this regard. The meeting also served as a forum for States Parties in the region to indicate which forms of assistance they can offer to other States Parties. The theme of this year's meeting was "Full implementation of

the Chemical Weapons Convention in Africa: The role regional and subregional institutions can play”. The collaboration between the Secretariat and the AU is in line with the provisions of the plan of action regarding the implementation of Article VII obligations adopted by the Conference at its Eighth Session (C-8/DEC.16, dated 24 October 2003) and the decision by the Conference at its Fourteenth Session on national implementation measures of Article VII obligations (C-14/DEC.12, dated 4 December 2009). It is also within the framework of the memorandum of understanding concluded between the AU and the OPCW in 2006.

13. The regional meeting of National Authorities attracted 42 participants from 36 States Parties. In attendance were senior officials of the Peace and Security Department of the AU, Permanent Representatives of the participating States Parties that are accredited to the AU, and representatives of subregional institutions affiliated with the AU. Representatives of international organisations based in Addis Ababa also participated, as observers.

#### **Outreach and working with others**

14. Outreach to parliamentarians continues to be an important focus of the Africa Programme in order to encourage all States Parties in the region either to take positive action towards the adoption and completion of their legislative requirements under the Convention or to make significant progress in this regard. Currently, four African States Parties have informed the Secretariat that their draft national implementing legislation is before their national legislatures.
15. During the reporting period, the Secretariat organised technical-assistance visits to three States Parties in the region to brief parliamentarians on the importance of passing the national implementing legislation that is currently before them.

#### **Assistance and protection**

16. In the area of assistance and protection against chemical weapons, participants from African countries attended a variety of courses on assistance and protection against chemical weapons in China, the Czech Republic, Finland, the Netherlands, Pakistan, Serbia, and Switzerland. The total number of African participants in such courses in 2012 is expected to be in the region of 50.
17. The long-term capacity building project in assistance and protection for countries in Southern Africa started with a planning meeting in Namibia on 7 and 8 June 2012. The focus of the meeting, which was attended by representatives from seven Southern African countries (Botswana, Lesotho, Namibia, South Africa, Swaziland, Zambia, and Zimbabwe), was the development of national protective programmes against chemical weapons in the countries involved. The practical part of the project started with a basic training course for instructors in South Africa in September 2012. The project will build synergy between the participating countries and it will help them establish a network and share experiences and information. Ideas from all countries on possible regional cooperation and coordination will be considered and, together with supporting countries and donor countries, the Secretariat will implement the final phases of the project.

18. The basic course for the capacity building project for anglophone West African countries in assistance and protection was held in September in Serbia. This project started in 2011 with a planning meeting in Ghana and will complement the project that was prepared for francophone West African States Parties with joint activities.
19. A regional workshop for African States Parties will be held in December in Mozambique with the financial support of the European Union. The workshop is intended to foster discussion and analysis of several assistance-and-protection-related issues, with special focus on areas such as the rights and obligations of States Parties under Article X of the Convention, submissions of declarations of protective programmes, the importance of the States Parties' offers of assistance, analysis of weaknesses and difficulties in the context of Article X, and an overview of assistance-and-protection activities in the region.

### **International cooperation**

20. In the area of international cooperation, the Secretariat has, through the implementation of Article XI and its associated programmes, assisted the scientific communities in African Member States in building their national scientific and technical capacity in chemistry, chemical engineering, and allied disciplines. At its Sixteenth Session, the Conference reaffirmed "its determination to promote the full, effective and non-discriminatory implementation of Article XI of the Convention as it relates, inter alia, to the fullest possible exchange of chemicals, equipment, and scientific and technical information on the development and application of chemistry for purposes not prohibited under the Convention, subject to the provisions of the Convention and without prejudice to the principles and applicable rules of international law" (C-16/DEC.10, dated 1 December 2011).
21. In 2012, the flagship Associate Programme provided 44% of its places to personnel from States Parties in Africa. The Associate Programme continues to be an initiative that attracts great interest and a considerable number of applicants from African Member States.
22. In the area of chemical analysis, the Secretariat has embarked on an integrated approach towards assisting Member States in the development of their technical capabilities. The analytical-skills-development training courses supported by Finland and South Africa are particularly popular with Member States in the region because of their singular focus on specific and specialised chemical analytical techniques related to scheduled chemicals, their precursors, and their degradation products. The fourth analytical chemistry course, a regional course, was held in South Africa from 30 April to 11 May 2012 and accommodated 12 participants. Ten (10) analytical chemists from African Member States participated in two analytical-skills-development courses, the first from 1 to 15 June and the second from 16 to 30 November 2012, at the Finnish Institute for Verification of the Chemical Weapons Convention (VERIFIN). An additional eight participants from African Member States will have received training through three other activities, also held in Finland: namely, the courses on liquid chromatography-mass spectrometry (LCMS) (16 to 27 April 2012), spectral interpretation and reporting (SIR) (7 September to 5 October 2012), and the

enhancement of laboratory skills in using nuclear magnetic resonance spectroscopy (NMR) (7 to 18 May 2012).

23. A natural-products chemistry training and development programme was conducted at the Institute of Bioproduct Development of the Universiti Teknologi Malaysia from 2 to 17 July 2012. The training programme was designed to expose qualified chemists and scientists in the field of natural products from Member States in Africa to science-based chemical research in natural products, with particular emphasis on adding value through the development of marketable products. The training attracted participation from personnel from industry, academic institutions, and government laboratories from 11 States Parties in the Africa region.
24. For the fourth consecutive year, in conjunction with the Pan Africa Chemistry Network, the Royal Society of Chemistry (in the United Kingdom of Great Britain and Northern Ireland), and Syngenta (a large global Swiss agribusiness company), the Secretariat supported a training workshop in gas chromatography–mass spectrometry (GC-MS) at the Jomo Kenyatta University of Agriculture and Technology, in Kenya, from 3 to 7 September 2012. The workshop was designed to build the necessary analytical capacity of the participating scientists to produce the high-quality data required for policy decision-making in their respective countries. The Secretariat supported seven African scientists in attending the training workshop.
25. The Internship-Support Programme, which facilitates the sharing of scientific and technical information and also furthers professional growth, continues to be very popular. Six internships were supported for applicants from African Member States. Through a voluntary contribution, the Government of China supported two six-month internships under the Africa Programme. The contributions made to the interns' research capacities and networking experiences, as well as the exposure to advanced techniques and good laboratory practices in the host laboratories, continue to be highly valued. A list of research projects undertaken during the internships is provided in Annex 3.
26. Under the Programme for the Support of Research Projects, the Secretariat (with the International Foundation for Science, which is based in Sweden) continues to directly and jointly fund research proposals submitted by African scientists. Nine research projects were jointly funded, and one received direct funding. A list of research projects sponsored during the reporting period is provided in Annex 3.
27. Under the Conference-Support Programme, the Secretariat supported five conferences, which were held in Kenya, Lesotho, Mauritius, Mozambique, and South Africa. A total of 32 participants from African Member States were supported. A list of conferences sponsored during the reporting period is also provided in Annex 3.
28. To discuss the development of a networking strategy and implementation framework to mutually support the promotion of analytical skills in the Africa region on a long-term basis, 14 experts from 12 countries attended a senior laboratory managers' workshop, which was held in The Hague, the Netherlands, from 25 to 27 June 2012. The workshop was funded through a voluntary contribution from the Government of Norway. One of the principal objectives of the workshop was to identify facilities,

expertise, capabilities, and infrastructure in institutions that can be supported to become potential OPCW Regional Resource Partners (RRPs), based on the thematic areas identified during the 2011 workshop held in Mombasa, Kenya.

29. Under the Equipment-Exchange Programme, the Secretariat donated analytical glassware to the University of Gezira in Sudan.
30. The industry-outreach initiative to support safety in chemicals management, which seeks to bring together chemical industry and safety experts from African Member States, has continued to serve as a forum for participants to gain awareness and receive technical training in safety management. A course on chemical-safety management for States Parties in Africa for 15 participants was organised with the support of the Government of Germany at the Bergische Universität, Wuppertal, Germany, from 5 to 9 December 2012.

### **Voluntary support to the Africa Programme**

31. As mentioned above, the Secretariat continues to receive support for activities conducted under the auspices of the Africa Programme. Assistance from States Parties and institutions, both financial and through the provision of in-kind resources, continues to contribute significantly to the delivery of the Africa Programme. The decision by the Council of the European Union to support another round of activities under its 2012 Contribution Agreement with the OPCW (CFSP/2012/04/OPCW V) provides funds to support activities in the areas of bilateral technical assistance visits, training for customs officials on the technical aspects of the transfers regime, industry outreach (the Convention and chemical-process safety), analytical-skills development, implementation of Article X and issues of regional cooperation in the area of assistance and emergency response, and long-term regional capacity-building in assistance and protection. This will greatly enhance the Secretariat's capacity to deliver on the objectives set under the second phase of the Africa Programme.
32. The subregional training course for customs officials from States Parties in North, Central, and West Africa on the technical aspects of the transfers regime of the Convention, which was held in Accra, Ghana, from 8 to 11 October 2012, was supported with funding from the European Union. The course on analytical-skills development, held from 16 to 30 November 2012, which sponsored a number of African participants, was also supported with funding from the European Union.
33. The Government of Norway continues to provide funding for activities held under the auspices of the Africa Programme through grant number RAF-11/0066, which covers the period from 2011 to 2013. In 2012, funding was provided in the areas of training for senior laboratory managers, training in chemistry with natural products, capacity building in assistance and protection, and training for customs officials. This grant supported the following activities:
  - (a) the senior laboratory managers' workshop, which was held in The Hague, the Netherlands, for 14 experts from 12 countries;

- (b) the natural-products-chemistry training and development programme, conducted at the Institute of Bioproduct Development of the Universiti Teknologi Malaysia from 2 to 17 July 2012;
  - (c) as part of the Southern African States Parties' capacity-building project, a planning meeting in Namibia from 6 to 8 June and a training course for instructors in South Africa from 10 to 21 September;
  - (d) as part of the capacity-building project for anglophone West African States Parties, a basic course in Serbia from 3 to 7 September; and
  - (e) the training for customs officials from States Parties in East and Southern Africa on the technical aspects of the transfer regime of the Convention, which was held in Mombasa, Kenya, from 17 to 20 April 2012.
34. The Government of Germany supported a course on chemical safety management for States Parties in Africa for 15 participants at the Bergische Universität, Wuppertal, Germany, from 5 to 9 December 2012.
35. The Government of China continues to support two six-month internships at the Beijing University of Chemical Technology.
36. All of the support detailed above has significantly enhanced the Secretariat's capacity to deliver additional activities to African Member States and to train additional participants, thereby enhancing their national capacities. The Secretariat is most grateful for the interest donors continue to show and would like to acknowledge their significant contribution to the progress made in the delivery of the Africa Programme.
37. Annex 4 to this report indicates activities financed with funding from donor States Parties in 2012.
38. The Secretariat plans to continue to organise activities in 2013 under the auspices of the Africa Programme, in order to offer more-focused, tailor-made initiatives to States Parties in Africa with a view to enhancing their national capacities to enable them to effectively realise their obligations under the Convention. This will be done, as usual, in line with inputs received from all the key identified stakeholders.

Annexes (English only):

- Annex 1: Africa Programme Activities Undertaken in 2012 under Article VII, Implementation Support
- Annex 2: Africa Programme Activities Undertaken in 2012 under Article X, Assistance and Protection
- Annex 3: Africa Programme Activities Undertaken in 2012 under Article XI, International Cooperation
- Annex 4: International Cooperation and Assistance Activities Financed by Donors under the Africa Programme in 2012



## Annex 1

**AFRICA PROGRAMME ACTIVITIES UNDERTAKEN IN 2012  
UNDER ARTICLE VII, IMPLEMENTATION SUPPORT**

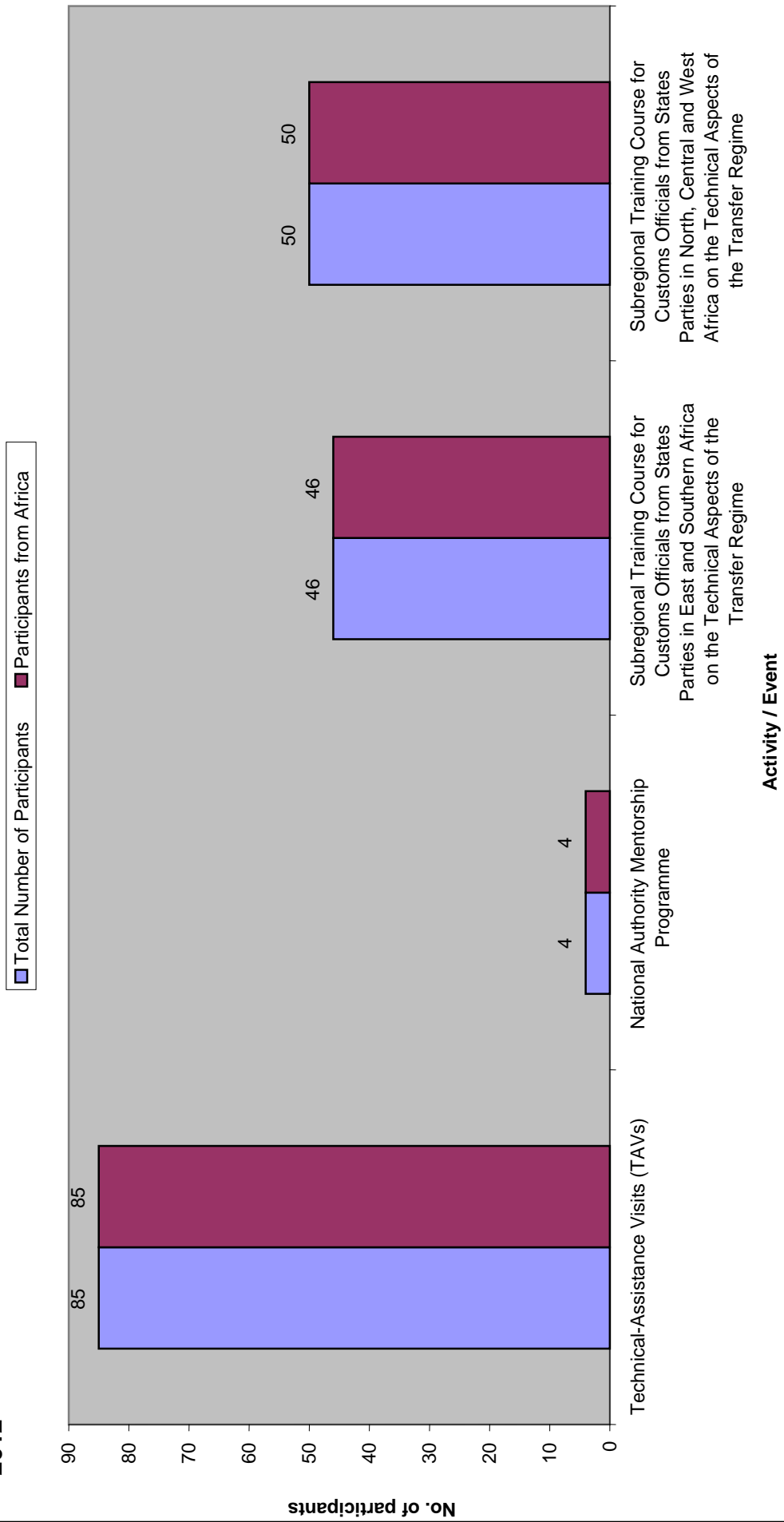
<b>Programme</b>	<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants/ States Parties</b>	<b>Source of Funding</b>
<b>Thematic Workshops/ Meetings</b>	17 – 20 April	Subregional training course for customs officials from States Parties in East and Southern Africa on the technical aspects of the transfers regime	Mombasa, Kenya	36 participants from 19 States Parties	Norwegian voluntary contribution & regular budget
	8 – 11 October	Subregional training course for customs officials from States Parties in North, Central and West Africa on the technical aspects of the transfers regime	Accra, Ghana	50 participants from 27 States Parties*	European Union & regular budget
	22 – 24 May	Tenth regional meeting of National Authorities of States Parties in Africa	Addis Ababa, Ethiopia	42 participants from 36 States Parties	Regular budget
<b>Technical-Assistance Visits</b>	October / November (TBC)**	Briefing for parliamentarians and awareness workshop for stakeholders of the National Authority of Nigeria on the national implementation of the Convention	Abuja, Nigeria	50 participants*	European Union
	October / November (TBC)	Briefing for parliamentarians and bilateral meetings with senior decision-makers and stakeholders of the National Authority of Cameroon on the national implementation of the Convention	Yaoundé, Cameroon	35 participants*	European Union
	11 – 15 June & 9 – 13 July	National Authority Mentorship Programme	Niamey, Niger & Algiers, Algeria	4 participants	Regular budget

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\* Expected number of participants.

\*\* TBC = to be confirmed

### Number of African Participants in Activities of the Implementation Support Branch (IPB) under the Africa Programme in 2012



**Annex 2**

**AFRICA PROGRAMME ACTIVITIES UNDERTAKEN IN 2012  
 UNDER ARTICLE X, ASSISTANCE AND PROTECTION**

<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants</b>	<b>Source of Funding</b>
19 – 23 March	Swiss exercise course	Spiez, Switzerland	3 Ethiopia Morocco Uganda	Swiss Government* + Assistance and Protection Branch (APB) regular budget
14 – 18 May	Advanced assistance and protection course	Beijing, China	7 Burundi Cameroon Côte d'Ivoire Madagascar Morocco Namibia Uganda	APB regular budget
21 – 25 May	Advanced course in civil defence against chemical weapons	Lázně Bohdaneč Czech Republic	7 Algeria Cameroon Côte d'Ivoire Madagascar Morocco Namibia Uganda	Czech Government* + APB regular budget
4 – 8 June	International basic assistance and protection course	Kruševac, Serbia	4 Algeria Côte d'Ivoire Madagascar Uganda	Serbian Government* + APB regular budget
7 and 8 June	Planning meeting for assistance and protection capacity-building project	Windhoek, Namibia	25 Botswana Lesotho South Africa Swaziland Zambia Zimbabwe Namibia	APB regular budget

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\* Funded with voluntary contributions.  
 \*\* Estimate.

<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants</b>	<b>Source of Funding</b>
25 – 29 June	Swiss basic course	Spiez, Switzerland	7 Algeria Burkina Faso Côte d'Ivoire Ethiopia x 2 Uganda x 2	Swiss Government* + APB regular budget
3 – 7 September	Basic course for anglophone West African countries	Kruševac, Serbia	16** Gambia Liberia Sierra Leone Ghana Nigeria	Norway*
10 – 14 September	International assistance and protection course	Kuopio, Finland	3 Kenya South Africa Uganda	APB regular budget
10 – 21 September	Assistance and protection course for instructors	Tshwane, South Africa	20**	APB regular budget
12 – 16 November	International train-the- trainer course	The Hague, Netherlands	5**	APB regular budget
13 – 15 November	Annual assistance and coordination workshop	Montenegro	5**	APB regular budget
5 – 7 December	Regional workshop on implementation of Article X	Mozambique	25**	APB budget

Annex 3

**AFRICA PROGRAMME ACTIVITIES UNDERTAKEN IN 2012  
 UNDER ARTICLE XI, INTERNATIONAL COOPERATION**

<b>CONFERENCE-SUPPORT PROGRAMME</b>			
<b>Dates</b>	<b>Event</b>	<b>Number of African Participants</b>	<b>Source of Funding</b>
7 – 9 May	Chemical Biological Medical Treatment Symposium (CBMTS IX) 2012, Spiez, Switzerland	1 Nigeria	Regular budget
2 – 6 July	International Conference on Pure and Applied Chemistry (ICPAC-2012), Chemistry: The Key to Our Future, Reduit, Mauritius	6 Kenya, Lesotho, Malawi, Sudan, United Republic of Tanzania (2)	Regular budget
8 – 11 July	Chemistry for Health, Environment and Water, Maputo, Mozambique	5 Kenya, Lesotho, Malawi, Sudan, United Republic of Tanzania	Regular budget
8 – 12 October	Chemical Sciences as a Vehicle for Achieving the Vision 2030, Nairobi, Kenya	4 (TBC)	Regular budget
5 – 8 July	South Africa	4 (TBC)	Regular budget
3 – 7 December	East and Southern Africa Laboratory Managers Association (E-SALAMA), Roma, Lesotho	12 Botswana Ethiopia Kenya South Africa (2) Sudan Uganda United Republic of Tanzania (2) Tunisia Zimbabwe (2)	Regular budget

<b>OTHER PROGRAMMES</b>				
<b>Programme</b>	<b>Dates</b>	<b>Title of Internship Project</b>	<b>Location</b>	<b>State Party/ Source of Funding</b>
<b>Internship- Support Programme</b>	6 November 2011 – 5 May 2012	Developing skills to assess research competence in basic and applied sciences in institutions of the Fellows of the African Academy of Sciences (AAS)	African Academy of Sciences, Nairobi, Kenya	Cameroon  Regular budget
	5 December 2011 – 4 March 2012	Quantitative characterisation of chemical compounds in maize tassel for biosorption of chemical contaminants and toxic chemicals in water and soils	Institute for the Environment, Brunel University, United Kingdom of Great Britain and Northern Ireland	Nigeria  Regular budget
	17 December 2011 – 16 March 2012	Best practice and trends in high-performance liquid chromatography method development and optimisation in liquid chromatography	Katholieke Universiteit Leuven, Belgium	Congo  Regular budget
	16 January – 15 July	Solar photo catalytic removal of pollutants from drinking water. Advanced oxidation treatment involving solar or artificial ultraviolet irradiation of polluted water in the presence of an oxidant or a catalyst.	Delft University of Technology, Netherlands	Algeria  Regular budget
	15 September – 14 December	Pesticide residue analysis	Laboratory of the Government Chemist, Middlesex, United Kingdom of Great Britain and Northern Ireland	Botswana  Regular budget
	1 December 2012 – 28 February 2013	Metabolomic detection and quantification techniques of antibiotic residue in food, water and environment: protocol development training	College of Science, Washington State University, United States of America	Nigeria  Regular budget
	15 February – June	Training programme in chemical engineering	China	2 African States Parties Voluntary contribution from China

<b>Programme</b>	<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants / Source of Funding</b>
<b>Associate Programme</b>	2 August – 5 October	Associate Programme 2012	Belgium, Croatia, Czech Republic, Denmark, Germany, Japan, Malaysia, Netherlands, Poland, Portugal, Spain, Switzerland, United Kingdom of Great Britain and Northern Ireland	14 Algeria, Burkina Faso, Eritrea, Ethiopia, Ghana, Namibia, Nigeria, Rwanda, Seychelles, Sudan, Tunisia, Uganda, Zambia, Zimbabwe  Regular budget + financial contribution from the United Kingdom of Great Britain and Northern Ireland + in-kind contribution from Japan
<b>Analytical-Skills Development &amp; Laboratory-Skills Enhancement</b>	30 April – 11 May	Analytical chemistry course	South Africa	12 Botswana, Burkina Faso, Cameroon, Ghana, Lesotho, Mauritius, Morocco, Seychelles, Sudan, United Republic of Tanzania, Zambia, Zimbabwe  Regular budget + in-kind contribution from South Africa
	1 – 15 June	Analytical-skills-development course	Finland	5 Botswana, Lesotho, South Africa, Tunisia, Zimbabwe  Regular budget
	7 – 18 May	Course on the enhancement of laboratory skills in using nuclear magnetic resonance spectroscopy	Finland	1 South Africa  Regular budget

<b>Programme</b>	<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants / Source of Funding</b>
	16 – 27 April	Course on the enhancement of laboratory skills in using liquid chromatography-mass spectrometry (CW-LSE)	Finland	2 Botswana and South Africa  Regular budget
	17 September – 5 October	Course on spectral interpretation and reporting	Finland	5 Ghana, Kenya, Malawi, South Africa, United Republic of Tanzania  Regular budget
<b>Laboratory-Assistance Programme</b>	3 – 7 September	Laboratory assistance training	Kenya	7 Cameroon, Democratic Republic of Congo, Ghana, Nigeria, Rwanda, Sudan, Uganda  Regular budget
<b>Programme for Support of Research Projects</b>	20 April	10 research projects supported	Burkina Faso (2), Cameroon (2), Nigeria (2), South Africa (2), Togo, United Republic of Tanzania	10 Regular budget
	April and November	<b>3 directly funded</b>	Burkina Faso, Kenya, South Africa	3 Regular budget



Programme	Dates	Event	Location	Number of African Participants / Source of Funding
Industry- Outreach Programme	11 – 13 May	Chemical-safety workshop for the Africa region	South Africa	18 Burkina Faso (2), Burundi, Congo, Eritrea, Ethiopia, Ghana, Kenya, Namibia, Niger, Nigeria (2), Senegal, Sierra Leone (2), Uganda, Zimbabwe (2)  2 African resource persons (South Africa, Zambia)  Voluntary contribution under EU Council Decision 2009 and one resource person under the chemical-safety programme – United States of America
	5 – 9 December	Promoting chemical safety management for African Member States	Germany	15 Botswana, Cameroon, Comoros, Ethiopia, Kenya, Madagascar, Mozambique, Nigeria (2), Senegal, Seychelles, Sierra Leone, South Africa, Uganda, United Republic of Tanzania  Voluntary contribution from Germany

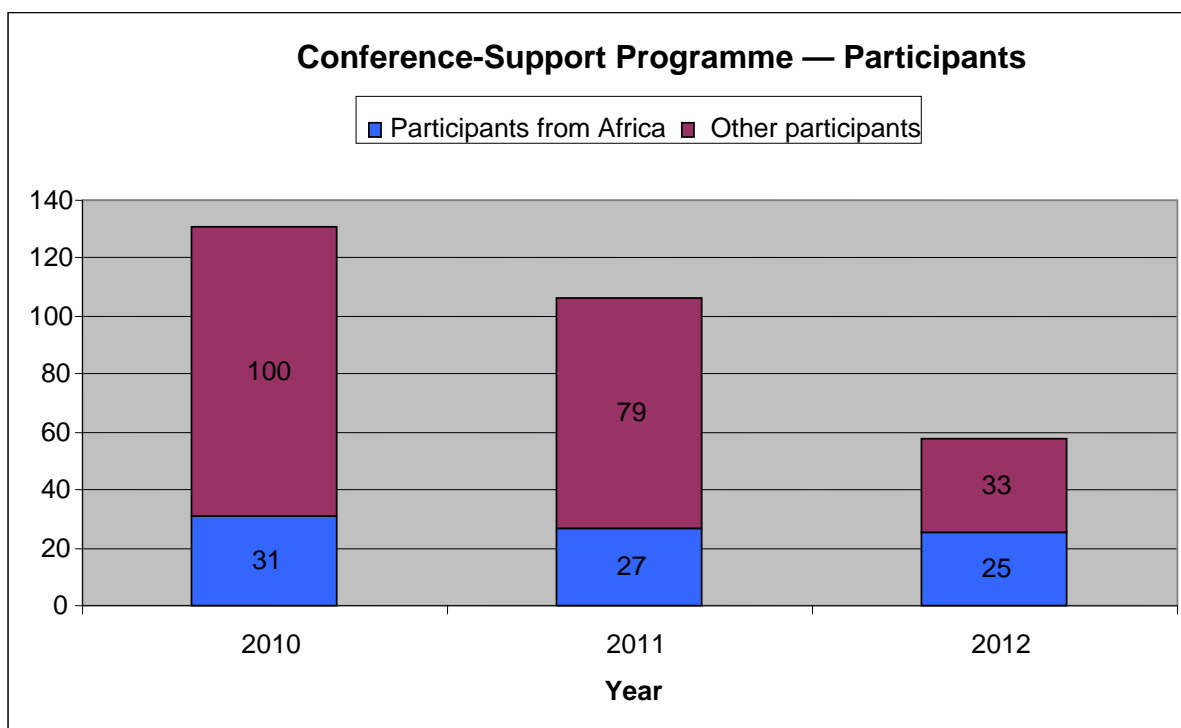
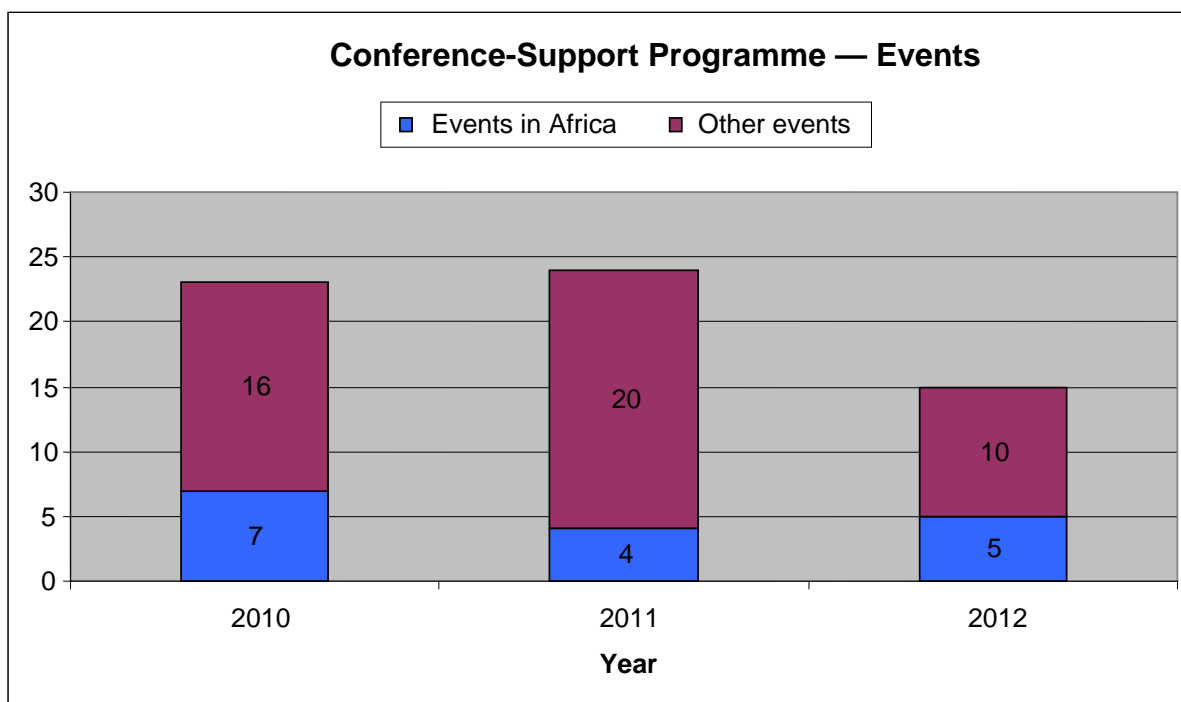
<b>Programme</b>	<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants / Source of Funding</b>
<b>Analytical-Skills-Development Courses &amp; Laboratory-Skills Enhancement</b>	7 – 21 January	Analytical-skills-development course	Finland	6 Botswana, Djibouti, Ghana, Tunisia, Uganda, United Republic of Tanzania  Regular budget
	1 – 15 April	Analytical-skills-development course for African Member States	Finland	20 Algeria (3), Botswana (2), Burkina Faso, Cameroon (2), Ghana (2), Kenya, Mauritius, Nigeria, Seychelles, Sierra Leone, Uganda (2), United Republic of Tanzania, Zambia (2)  Regular budget
	16 – 27 May	Basic analytical chemistry course	South Africa	16 Algeria, Botswana, Cameroon, Ethiopia, Mauritius, Namibia, Nigeria, South Africa (3), Sudan, Tunisia, United Republic of Tanzania, Zambia (2), Zimbabwe  Regular budget
	27 May – 10 June	Analytical-skills-development course	Finland	5 Lesotho, Mauritius, Nigeria, Uganda, Zambia  Regular budget
	12 – 23 September	Course on the enhancement of laboratory skills in using liquid chromatography-mass spectrometry to analyse chemicals related to the Convention	Finland	1 South Africa  Regular budget

<b>Programme</b>	<b>Dates</b>	<b>Event</b>	<b>Location</b>	<b>Number of African Participants / Source of Funding</b>
	14 – 25 October	Analytical-skills-development course for French-speaking Africans 12 participants: TBD	Tunisia	12 Regular budget
<b>Laboratory-Assistance Programme</b>	2 – 4 March	Workshop for laboratory managers in the Africa region	Kenya	23 Botswana (2), Burkina Faso, Cameroon, Congo, Ethiopia, Ghana, Kenya (5), Mauritius, Morocco, Nigeria (2), South Africa (3), Sudan, Uganda, United Republic of Tanzania, Zimbabwe  Voluntary contribution from Norway
	6 – 8 July	TAV - National Institute for Research and Physical and Chemical Analysis (INRAP) - TUNISIA Tunisia	Tunisia	Regular budget
	22 – 26 August	PACN <sup>1</sup> course on the running and interpretation of GC-MS spectra, Jomo Kenyatta University of Agriculture and Technology	Kenya	5 Burkina Faso, Democratic Republic of the Congo, Ghana, Nigeria, Uganda  Regular budget
	September	Laboratory assistance: Centres of Excellence audit 4 participants: TBD		4 Regular budget
<b>Equipment-Exchange Programme</b>	September – December	Donation of analytical glassware	Sudan	OPCW Laboratory

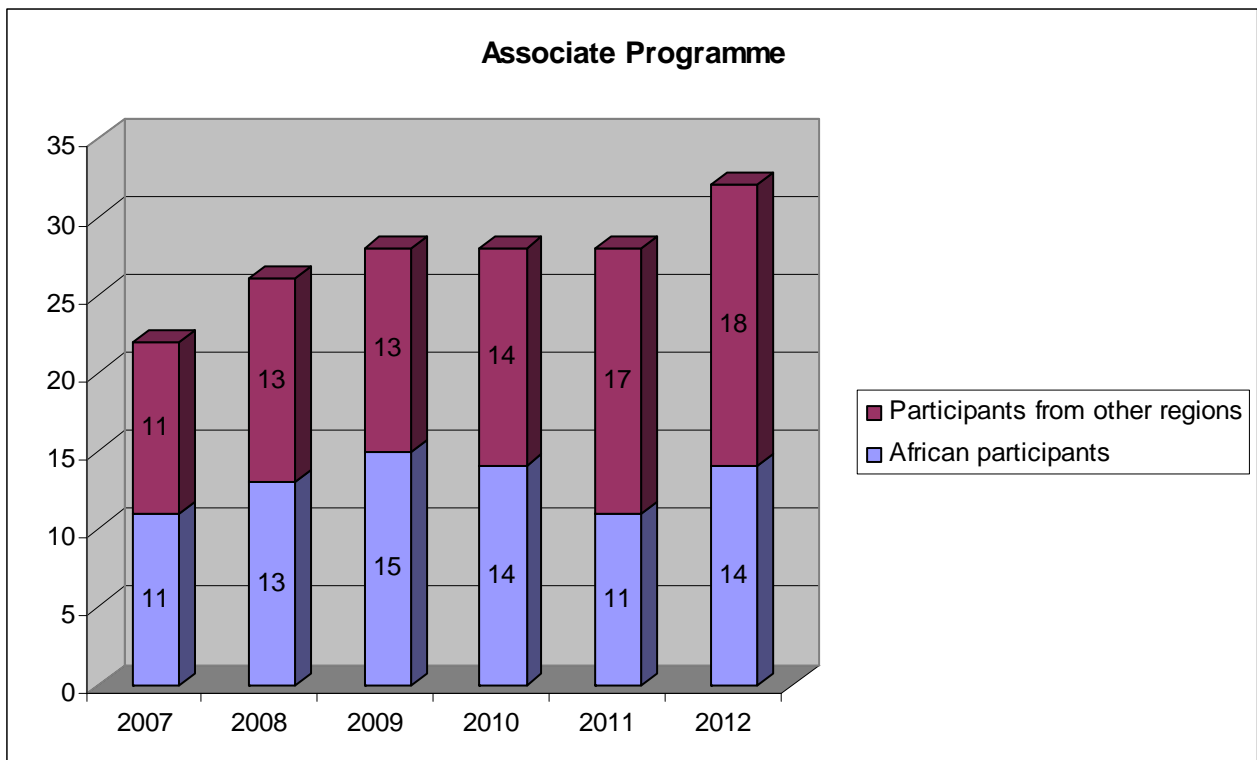
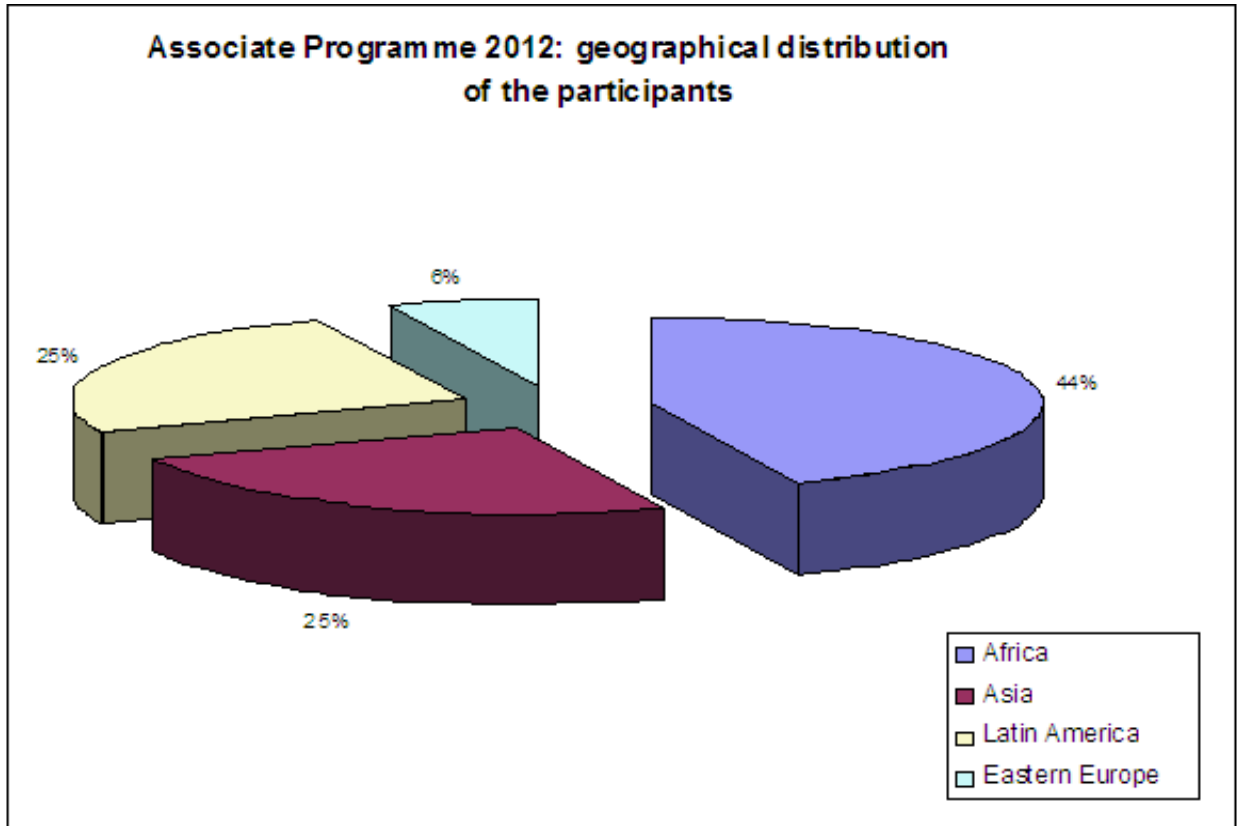
<sup>1</sup> PACN = Pan-African Chemistry Network.

<b>RESEARCH PROJECTS SUPPORTED</b>		
	<b>Country</b>	<b>Title</b>
1	Burkina Faso	Propriétés insecticides et répulsives de quelques extraits de plantes tropicales contre <i>Anopheles gambiae</i> et <i>Aedes aegypti</i> , moustiques vecteurs de maladies humaines au Burkina Faso
2	Burkina Faso	Evaluation du potentiel thérapeutique des galles de <i>Guiera senegalensis</i> J.F. GMEL (Combretaceae) pour le traitement du diabète de type 2 et/ou de ses complications au Burkina Faso
3	Cameroon	Antimycobacterial, anti-HIV and cytotoxicity of extracts and compounds from Cameroonian medicinal plants
4	Cameroon	New antiplasmodial compounds from <i>Dacryodes edulis</i> (G.Don) Lam. and <i>Coula edulis</i> Baill: selected medicinal plants used to treat malaria symptoms in Western Cameroon
5	Nigeria	<i>In vivo</i> evaluation of some antimalarial drugs contained in solid lipid microspheres
6	Nigeria	Thermally curable thiol-ene coatings based on epoxidised <i>Albizia benth</i> and <i>Plukenetia conophora</i> oil
7	South Africa	Low-cost small-scale domestic wastewater treatment technology development
8	South Africa	Concentration of brominated flame retardants in indoor dust from homes and offices from developing countries: a case study of implications for human exposure in South Africa and Nigeria
9	Togo	Traitements des eaux par photocatalyse hétérogène à l'échelle pilote à base de nouveaux matériaux sensibles aux rayonnements solaires
10	United Republic of Tanzania	Chemical modification of palmitine molecular framework and evaluation of chemical structure-antimalarial-cytotoxic activity relationship of analogues

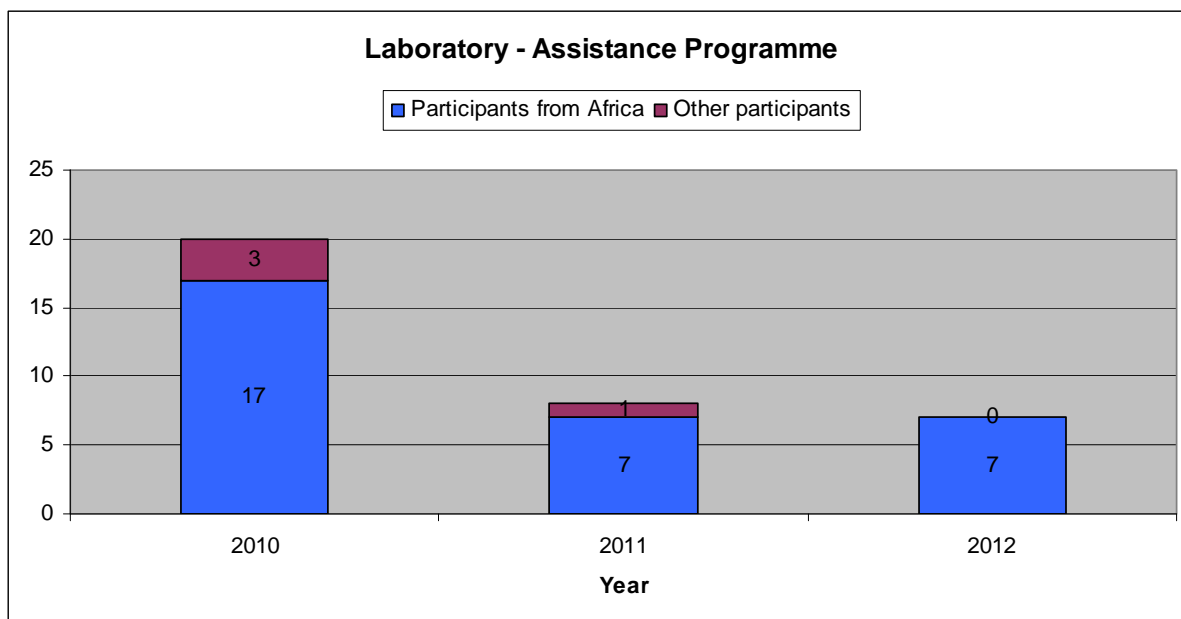
**CONFERENCE-SUPPORT PROGRAMME**



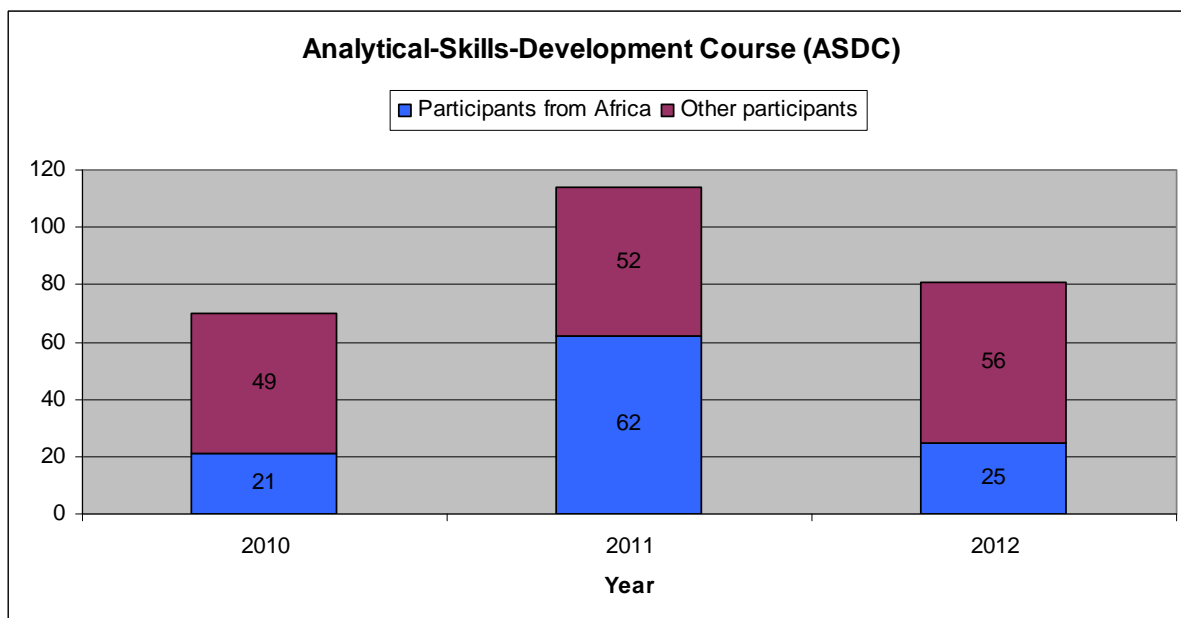
**ASSOCIATE PROGRAMME**



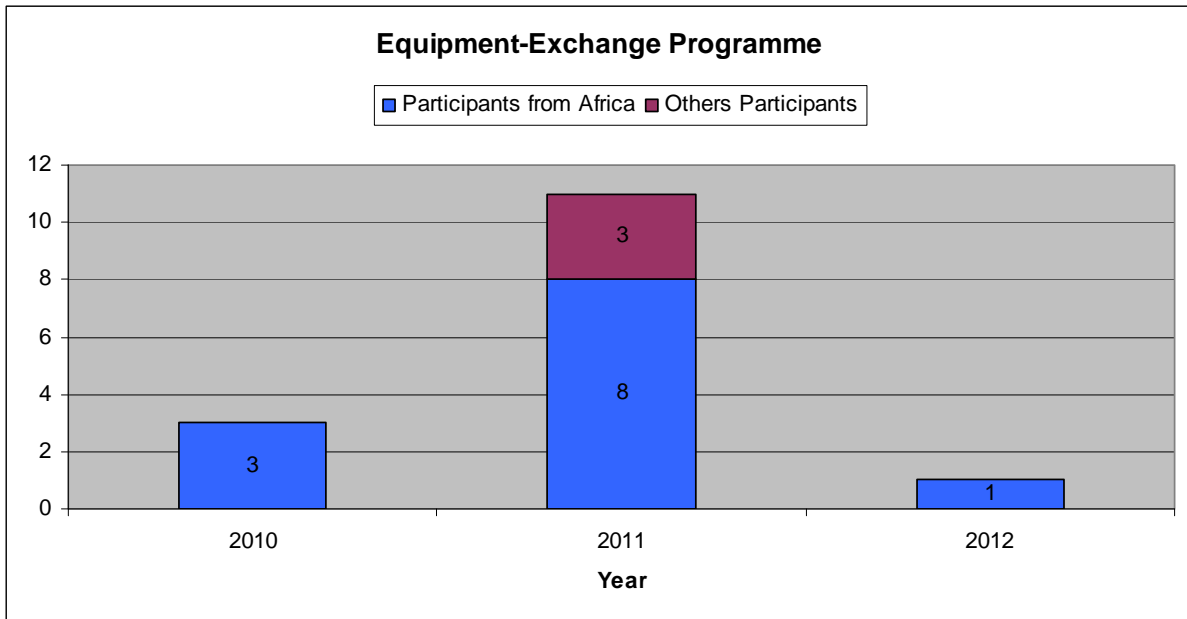
**LABORATORY-ASSISTANCE PROGRAMME**



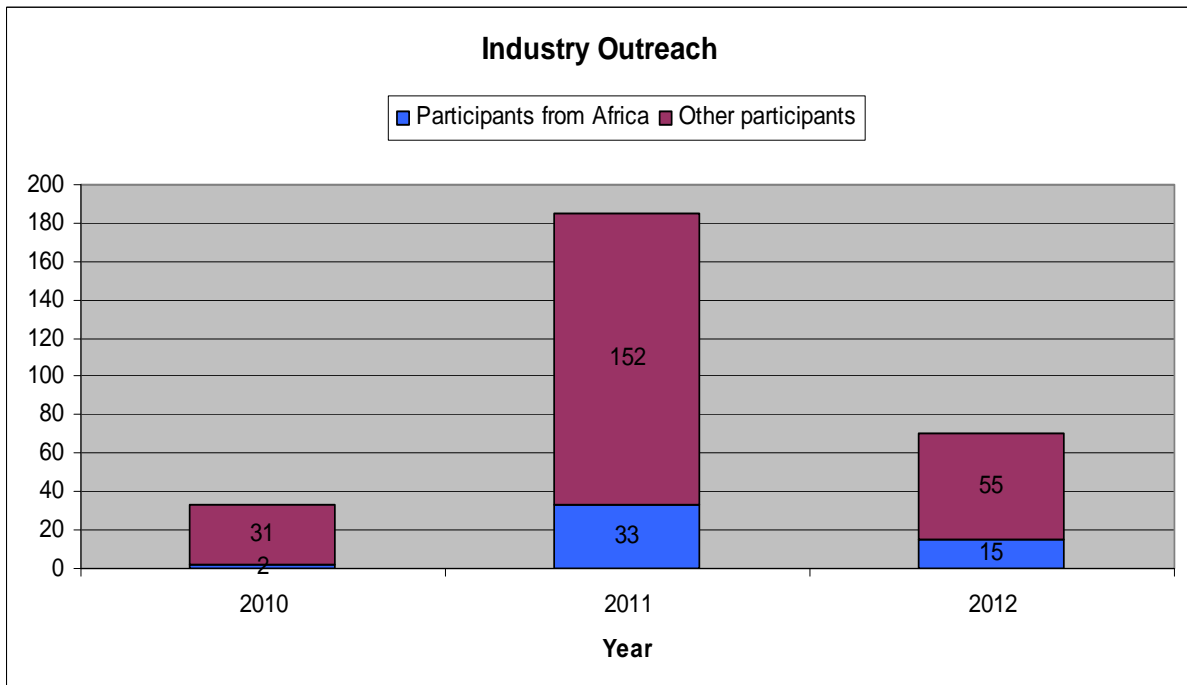
**ANALYTICAL-SKILLS-DEVELOPMENT COURSE**



### EQUIPMENT-EXCHANGE PROGRAMME

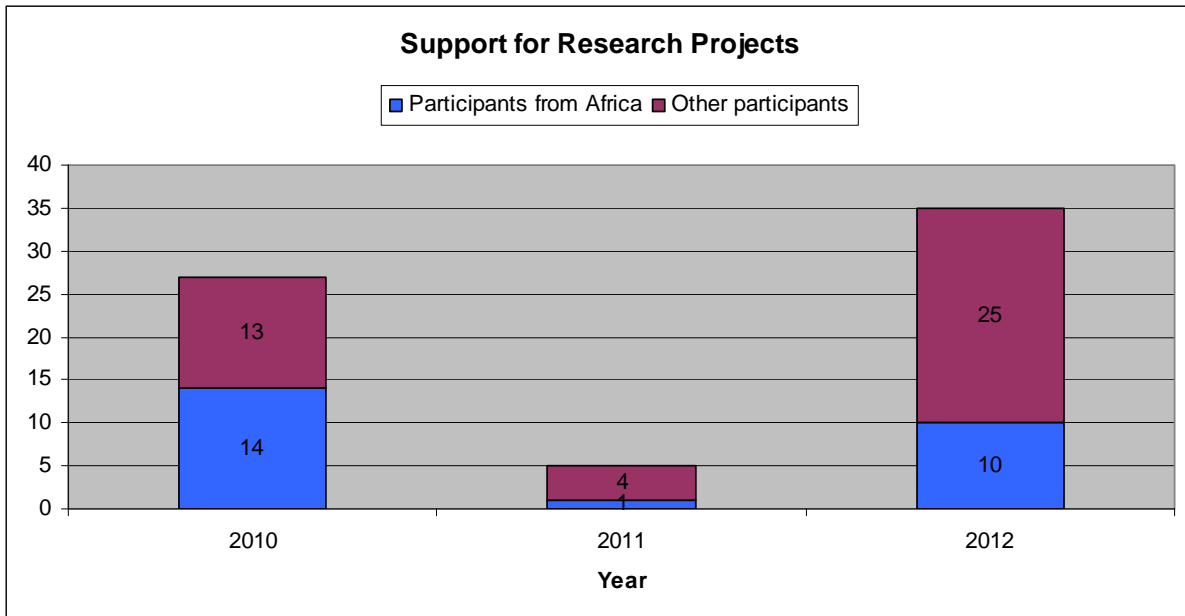


### INDUSTRY-OUTREACH PROGRAMME

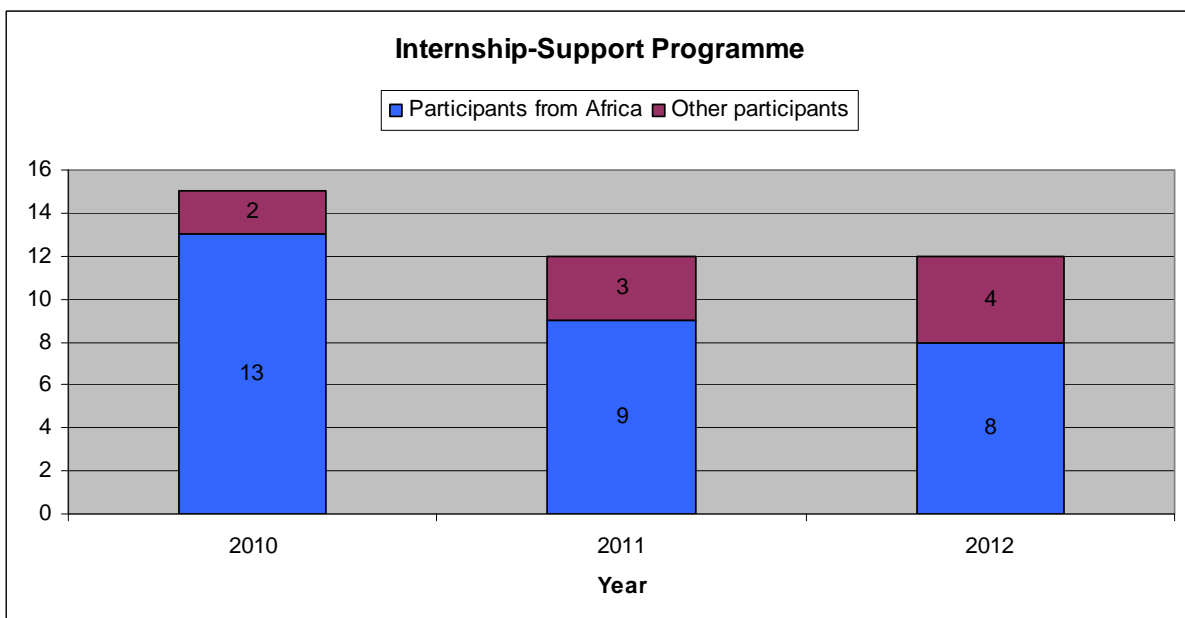




### SUPPORT FOR RESEARCH PROJECTS



### INTERNSHIP-SUPPORT PROGRAMME



## Annex 4

**INTERNATIONAL COOPERATION AND ASSISTANCE ACTIVITIES FINANCED  
BY DONORS UNDER THE AFRICA PROGRAMME IN 2012**

	Programme/Project	Date and Venue	Donor	Contributions	
				Financial (EUR)	In Kind
1	Subregional training course for customs officials from States Parties in East and Southern Africa	17 – 20 April Mombasa, Kenya	Norway	63,358	N/A
2	Subregional training course for customs officials from North, Central and West Africa	8 – 11 October Accra, Ghana	European Union	66,388	N/A
3	Planning meeting for West African anglophone countries	18 – 20 April Accra, Ghana	United Kingdom of Great Britain and Northern Ireland	21,000	
4	7th regional course on assistance and protection for African Member States	5 – 9 September Tshwane, South Africa	South Africa		Training, instructors, training equipment and facilities
5	Analytical chemistry course	30 April – 11 May Protechnik Laboratories, Pretoria, South Africa	South Africa		Venue, laboratory facilities, staff
			Finland		Staff time
		16 – 30 November VERIFIN	Finland	55,000	Venue, laboratory facilities, staff
6	Internship-Support Programme	15 February – 14 June	China		Air ticket, daily subsistence allowance, training
7	Industry-Outreach Programme	16 – 20 November	Germany	60,000	
8	Associate Programme	2 August – 5 October	United Kingdom of Great Britain and Northern Ireland	23,427	
9	Associate Programme	2 August – 5 October	Japan		Interpretation services for two participants who were attached to chemical industry in Japan