

INTERNATIONAL MARITIME ORGANIZATION





THE GLOBAL OIL AND GAS

2015 A year in review













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About the GI WACAF

Launched in 2006, the Global Initiative for West, Central and Southern Africa (GI WACAF) is a partnership between the International Maritime Organization (IMO) and IPIECA, the global oil and gas industry association for environmental and social issues, to enhance the capacity of countries to prepare for and respond to marine oil spills.

A key innovative feature is to emphasise the promotion of public/private partnership for effective oil spill response. The GI WACAF Project is jointly funded by the International Maritime Organization and 10 oil companies.



The Project area covers 22 West, Central and Southern African countries. The scope is to organise workshops, training, seminars and deployment exercises in collaboration with national authorities in charge of oil spill response and in partnership with local business units.

Introduction - GI WACAF Work Biennium 2014-2015

At the end of 2015, GI WACAF completed its two-year work biennium. During the biennium, GI WACAF set out to achieve those key objectives that were agreed by the Project's partners at the end of 2013.

The main objectives for the 2014-2015 biennium (and thus the main areas of focus for the Project) can be summarised as follows:

- Implement the core elements of the OPRC 90 Convention through the development of National Oil Spill Contingency Plans;
- 2. Strengthen specific elements within the National Contingency Plans with a focus on Waste management, Dispersant policy, Incident Management System, Shoreline clean-up and Sensitivity mapping; and
- 3. Develop trans-boundary response capabilities by organising cross-border exercises between neighbouring countries sharing similar oil spill risks.

The purpose of this report is not only to highlight the Project activities in 2015, but also to provide an overview of the biennium and to outline progress against the above objectives.

2015 Review

In 2015, GI WACAF took significant steps towards expanding its scope by introducing new tools into the work programme, moving activities into new areas of the region and undertaking a new type of activity.

In May, the project delivered its first trans-boundary exercise between Cameroon and Nigeria. The same type of exercise was replicated in September between Gabon and Republic of the Congo.

In June, the Project undertook its first workshop in South Africa, which acted as a precursor to South Africa becoming a full member of GI WACAF (confirmed in February 2016).

The Project also successfully introduced the Readiness Evaluation Tool for Oil Spills (RETOS[™]) into the work programme.

Another major milestone for the Project in 2015 was the development of supplementary elements for its Key Performance Indicators, which now provide a much more detailed analysis of regional progress.

Finally, in November, GI WACAF undertook its sixth Regional Conference which brought together stakeholders from across the region and has set the foundation for the 2016-2017 work biennium.

In total, 10 activities were organised in 2015 in 9 countries (see map 1):

- 1 regional conference in Ghana
- 2 bilateral exercises in Cameroon, Republic of the Congo, Gabon and Nigeria
- 1 sub-regional workshop in Gabon
- 4 national workshops and exercises in the Gambia, Namibia, Senegal and South Africa



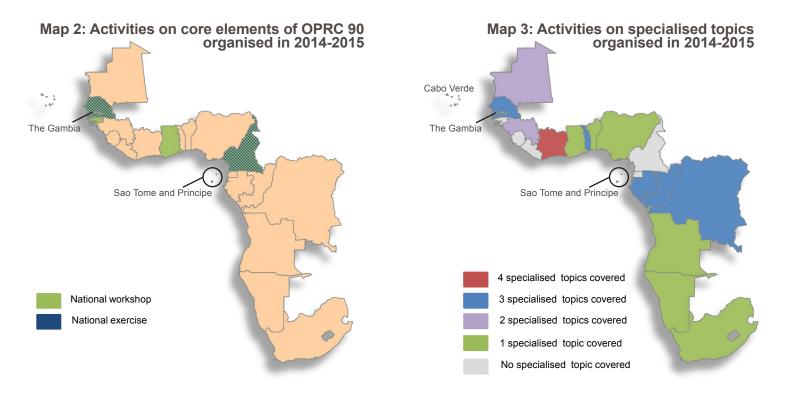


2014-2015 Activities overview

During the biennium, the Project organised 21 activities to cover all the priorities established during the 2013 Regional Conference, with ten national workshops, six exercises, four sub-regional activities and one regional conference.

In 2013, delegates recognised the need to maintain efforts on core elements of OPRC 90 such as questions regarding contingency planning, designation of authority or the legal framework for oil spill preparedness and response. The programme included several activities on these issues (see **map 2**). Delegates also recommended that in addition to existing specialised topics (sensitivity mapping, dispersant use, liability and compensation), focus should be put on new specialised topics such as Incident Management System (IMS), shoreline clean-up and waste management. This was reflected in the activities held in the region (see **map 3**).

Finally, delegates recognised the importance of trans-boundary elements between countries that share oil spills risks. In 2015, the Project organised the first bilateral exercises to test the lines of communication in case of an incident. More information on these activities in the section "2015 Highlights" (p.10)



2014-2015 in numbers





2015 activities timeline (click on 🕑 to read the report)

-

January	C*	Turkey	OSPRI Annual Members Meeting
March	*	Senegal	National workshop on Dispersant and table-top exercise to test the Oil Spill Contingency Plan 🕑
	*	Cameroon	Trans-boundary exercise with Nigeria to test the lines of communication in case of an oil spill ⊻
		Nigeria	Trans-boundary exercise with Cameroon to test the lines of communication in case of an oil spill 🕑
		Netherlands	Interspill 2015
Мау		The Gambia	National workshop on Sensitivity mapping and Shoreline clean-up
		United Kingdom	IPIECA Oil Spill Working Group meeting
June	╬	Norway	UNEP/OCHA Environmental Emergencies Forum
	Ŕ	Angola	Second Annual HSSE Conference
		South Africa	National workshop on Incident Management System 坐
	*	Namibia	National workshop on Waste Management ⊻
September		Gabon	Trans-boundary exercise with Republic of the Congo to test the lines of communication in case of an oil spill
		Republic of the Congo	Trans-boundary exercise with Gabon to test the lines of communication in case of an oil spill 少
		Gabon	Sub-regional workshop on the Challenges of Shoreline clean-up and Waste management during an oil spill ⊻
		France	Industry Technical Advisory Committee (ITAC) meeting
November	*	Ghana	6th GI WACAF Regional Conference 🕑
December		United Kingdom	IPIECA Oil Spill Working Group meeting
		In-region activities	External engagement



2015 in-region activities snapshots



March - Senegal - National workshop on dispersant and table-top exercise

Around 60 participants coming from various ministries and government agencies attended the event. The oil and gas industry was also represented through a number of local operators. The event consisted of a mix of technical presentations on the application, conditions of use and limits of dispersant. The table-top exercise organised on the last day helped to identify gaps in the implementation of the National Oil Spill Contingency Plan (NOSCP).



March - Cameroon & Nigeria - Trans-boundary exercise to test the communication lines

Around 150 participants attended the joint activity coming from various ministries and government agencies within the two countries. Representatives from the industry and the private sector were also in attendance. The main objective was to establish lines of communication between Nigeria and Cameroon in the case of a trans-boundary oil spill incident as well as to test and practice communication procedures. For more information, see page 10.



May - The Gambia - National workskop on Sensitivity mapping and Shoreline clean-up

The workshop, hosted by the National Disaster Management Agency, was attended by 40 participants. The objectives were to support the development of sensitivity maps of marine resources that are vulnerable to oil pollution, as well as the implementation of effective shoreline response in the event of an incident. In order to address these objectives, the participants were guided through four days of presentations, case studies, practical sessions and discussions.



June - South Africa - National workshop on Incident Management System (IMS)

The workshop focused on introducing IMS to the South African Government to meet the needs of emergency management and preparedness towards Operation Phakisa (Economic plan to utilise South Africa's offshore resources). During the workshop, the audience was provided a draft model implementation plan which developed into options towards future implementation and management using IMS for oil and gas emergencies in South Africa.



June - Namibia - National workshop on Waste management

The workshop gathered more than 30 participants from different ministries, government agencies and local entities. The main objectives of the workshop were to train participants on waste management and to draft Terms of Reference for the recruitment of a consultant in charge of developing a waste management policy for Namibia. The programme included technical presentations, field visits and working group sessions.



September - Gabon & Republic of the Congo - Trans-boundary exercise to test the communication lines

The second bilateral exercise in the region was attended by more than 120 participants coming from from various ministries and government agencies as well as from the industry. The objectives were to test the NOSCP of the countries in the case of a trans-boundary oil spill incident and to promote agreements between Gabon and Republic of the Congo on topics such as mutual aid. For more information on trans-boundary exercises, see page 10.

September - Gabon - Sub-regional workshop on the challenges related to Shoreline Clean-up and Assessment Technique (SCAT) and waste management

Around 79 participants from Benin, Comoros, Democratic Republic of the Congo, Gabon, Guinea, Madagascar, Mauritania, Republic of the Congo, Senegal and Togo, as well as representatives from the private sector attended the workshop. Delegates focused upon topics which included the integration of Shoreline Clean-up and Waste Management into NOSCPs, spill management and decision-making process, Waste Management and Shoreline Clean-up techniques.



November-Ghana - GI WACAF Regional Conference

Around 75 participants from 20 countries attended the Conference hosted by the Environmental Protection Agency. The objectives focused upon raising awareness on oil spill preparedness and response issues, facilitating information sharing and lessons learned, reviewing the progress achieved since 2013 and determining priority actions for the coming biennium 2016-2017. Participants were guided through four days of presentations, case studies, working group sessions, table-top exercises and discussions. For more information on the Regional Conference, see page 11.

2015 External Engagements



January - Turkey - OSPRI Annual Members meeting

GI WACAF attended the Annual <u>Oil Spill Preparedness Regional Initiative</u> (OSPRI) meeting in Istanbul. The purpose of the meeting was to ensure that the overall strategy and priorities for OSPRI remain current. GI WACAF used the event as an opportunity to identify areas for closer collaboration between the two initiatives as well as administrative processes that might be applied to GI WACAF.



March - Netherlands - Interspill 2015

Interspill 2015, the European oil spill conference and exhibition, took place in Amsterdam. Over 1,250 visitors and exhibitors from 75 countries attended. GI WACAF was engaged at the event presenting on the topic of "future development of oil spill response in West, Central and Southern Africa". The presentation was part of a dedicated Global Initiative session. The Project Secretariat was also present at the IPIECA exhibition booth.

May - United Kingdom - IPIECA Oil Spill Working Group meeting



The Oil Spill Working Group meeting organised in London was an opportunity to exchange information on current activities of the different GI programmes. The GI WACAF Project Manager gave an update on the Project for 2015, focusing on upcoming events. The members also discussed the second phase of the <u>Joint Industry Project</u> (JIP).



June - Norway - 2015 Environmental Emergencies Forum

Organised by the United Nations Environment Programme (UNEP) and the Office for the Coordination of Humanitarian Affairs (OCHA), the Forum showcased experiences and innovations in improving prevention, preparedness and response to environmental emergencies. The event brought together representatives from governments, industries, academia, aid agencies and civil society. The GI WACAF Project Manager presented the Project as an example of successful government and industry collaboration. Particular focus was placed upon how to measure achievements, what are the contributors to success, and what are the next steps for GI WACAF.



June - Angola - Second Annual HSSE Conference

The purpose of the <u>event</u> held in Luanda was to highlight the technical aspects of the Health, Safety, Security and Environment (HSSE) Department and to promote responsible management of environmental risks. GI WACAF presented on the topic of "Oil and gas industry partnership with Government to combat major oil spills". Particular emphasis was placed upon the importance of an aligned incident management system and the application of Net Environment Benefit Analysis (NEBA) during the planning for a major oil spill.



September - France - Industry Technical Advisory Committee (ITAC) meeting

The three-day meeting organised by OSRL and co-hosted by Cedre and Ifremer gathered representatives from the industry, academics and researchers to exchange experiences on oil spill response. Tours of the different facilities and presentations on the current research projects related to oil spill response were organised for the 66 participants. The meeting was a good opportunity to meet key stakeholders in the field and discuss GI WACAF activities.

December - United Kingdom- Oil Spill Working Group meeting



The Oil Spill Working Group meeting organised in Southampton was an opportunity to exchange information on activities of the different GI programmes. The GI WACAF Project Manager presented the outcomes of the Regional Conference and outlined the main recommendations for the new biennium 2016-2017.

2015 Highlights

Bilateral exercises to test the communication lines in case of an oil spill

One of the major steps for the Project and for the region in 2015 was the organisation of two trans-boundary exercises, highlighting that levels of national oil spill response capability have developed to a point that a number of countries are now looking beyond their borders and seeking to align their National Oil Spill Contingency Plans with their closest neighbours.

The first trans-boundary exercise was held in March. The event was hosted simultaneously by the National Oil Spill Detection and Response Agency in Abuja (Nigeria) and the National Hydrocarbons Corporation in Yaoundé (Cameroon). Around 150 participants attended the joint activity coming from various ministries and governmental agencies. The second one was co-organised in September with the Directorate General for Environment and Nature Protection in Gabon and Directorate General for Merchant Navy in the Republic of the Congo. It gathered more than 120 participants. Representatives from the industry and the private sector were also in attendance during both exercises.







The purposes of these exercises facilitated by Aimyll Prosperre Dzali Dikapa and Stéphane Grenon were to:

- Establish lines of communication between the countries in the case of a trans-boundary oil spill incident as well as test and practice communication procedures;
- Test the National Oil Spill Contingency Plans of the countries in the case of a trans-boundary oil spill incident; and
- Test different mechanisms for requests for assistance and allocation of international resources.

This new type of activity was well-received in these countries as it helped them identify gaps that could not be spotted with national exercises alone. The recommendations provided a strong foundation for future activities to strengthen national plans and lines of communication. It is the intention of the Project to continue using the activity as a template to be replicated elsewhere in the region.









2015 Regional Conference

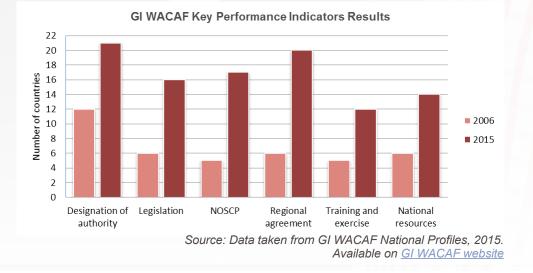
The GI WACAF Regional Conference forms an integral part of the biennial management system of the Project and it gathers industry and government focal points from across the region with the objective to exchange experiences, review progress achieved, and prioritise project goals for the next biennium. Around 75 participants from 20 countries attended the Conference hosted by the Environmental Protection Agency of the Republic of Ghana.

Several national delegates gave presentations of their achievements over the last two years. The second day was focused on working groups to discuss different topics related to oil spill response and develop recommendations to strengthen the level of preparedness within the framework of the GI WACAF Project. Roaming facilitators and presenters were dedicated to each topic and moved through the three groups. Participants also had to opportunity to apply the concept of Net Environmental Benefit Analysis (NEBA) during a table-top exercise. Finally, national delegates completed their Country Profile and National Action Plan which are key documents to determine priority actions for the coming biennium 2016-2017. The Regional Conference also provided many opportunities for making new contacts and firming up old friendships

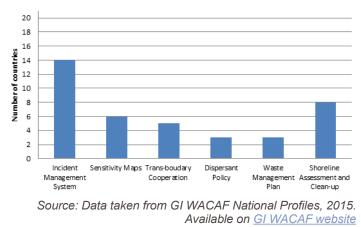
GI WACAF Performance indicators & Supplementary elements

One of the key questions for the Project is how to identify progress. Since 2006, using data submitted by each country in the WACAF region, it has been possible to gauge the level of national response capability across the region based on 6 core indicators:

- Designation of authority: The country has in place a designated national authority to deal with oil spill related issues
- 2. Legislation: The country has ratified the OPRC 90 Convention
- 3. National Oil Spill Contingency plan: The country has an approved NOSCP
- Regional agreement: The country has in place either a regional, sub-regional, or bi-lateral agreement relating to oil spill response cooperation
- 5. Training and Exercise: The country has undertaken a national level oil spill training and exercise event
- 6. National Resources: The country has equipment and resources to adequately address oil spill risk



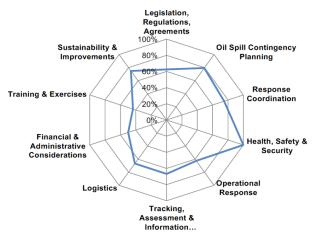
As capabilities have improved since 2006, the Project Secretariat developed new indicators to get a more precise picture of the level of oil spill preparedness and response in the region. The following supplementary indicators were endorsed by the Steering Committee: Sensitivity Maps, Dispersant Policy, Shoreline Assessment and Clean-up, Waste Management Plan, Trans-boundary Cooperation and Incident Management System. Starting in 2015, the Project will be able to measure progress in the region against these elements.



GI WACAF Supplementary Elements Results (2015)

Readiness Evaluation Tool for Oil Spills (RETOS)

In 2015, the Project introduced the "Readiness Evaluation Tool for Oil Spills" (RETOS[™]) in its work programme. Developed by <u>ARPEL</u>, the Regional Association of Oil, Gas and Biofuels sector companies in Latin America and Caribbean, RETOS[™] is a user-friendly Excel application using international best practices to assist governments and companies in assessing their level of oil spill response planning and readiness management. GI WACAF presented the tool during sub-regional workshops in 2014 in order to raise awareness among countries of the region. The Project has been using it since, when relevant. The automatically-generated results and action plans are valuable tools for countries in order to improve their level of preparedness and response.



Level A Results with No Weighting

Source: RETOS[™] results for one member country 2015.

A network of trained and committed focal points across the region

The GI WACAF Project relies on a network of Focal Points from the governments and the industry that ensure the effective implementation of the Work Plan. Last year, the involvement of our Focal Points was again critical to the successful delivery of our programme. The following Focal Points were particularly active in 2015.



Kojo Agbenor-Efunam - Ghana

The Regional Conference constitutes the central element of the biennial management system of the Project. Mr Agbenor-Efunam, Deputy Director Oil&Gas of the Environmental Protection Agency of Ghana, was the main driver during the preparation and delivery of this event.



Louis-Léandre Ebobola Tsibah - Gabon

Mr Ebobola Tsibah, Director of Environment and Nature Conservation, was one of the most active Government Focal Point with the hosting of two majors activities: the bilateral exercise with Republic of the Congo and the sub-regional workshop on the challenges related to shoreline clean-up and waste management gathering 10 countries. He also promotes the cooperation between the private and public sectors in Gabon through an active "GI WACAF National Committee" composed of key industry and government stakeholders.



Idris Olubola Musa - Nigeria

Mr Musa, Head of the Department in charge of Oil Field Assessment at the National Oil Spill Detection and Response Agency (NOSDRA), played a key role in the organisation of the first bilateral exercise to test the lines of communication between Nigeria and Cameroon. Mr Musa shared this experience with delegates from 20 countries during the Regional Conference in Accra.



Jean-Pierre Lamane Tine - Senegal

Mr Tine, Head of the Marine Rescue Coordination Centre of Dakar, became a Focal point for the Project in January 2015. He organised a workshop to develop a policy on the use of dispersant. This was followed by a table-top exercise to test the National Oil Spill Contingency Plan attended by 70 representatives from the different Ministries and the oil industry.



Communications

New GI WACAF website

In December 2015, the Project launched its new <u>website</u>. All previous information and services are maintained and security of the site has been significantly improved. Each GI WACAF activity has a dedicated page highlighting topics, objectives, invited countries etc. Reports are also available to download.





Users can find information and reports of all the activities organised since 2006 as well as up-to-date data on each member country. A regional overview on different topics is also available.

A section is dedicated to regional maps to give an overview of the level of preparedness in West, Central and Southern Africa. Finally, links to technical documentation and reports published by the Project and other external organisations (Cedre, IPIECA, ITOPF, OSRL etc.) are provided.





Mid-year Review



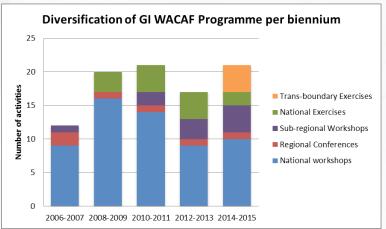
In July, the GI WACAF published the Mid-Review 2015. It includes details about in-region activities as well as external engagement organised during the first half of the year. The publication also focuses on the first bilateral exercise between Cameroon and Nigeria to test the lines of communication in case of an oil spill. The document is available on the website in English and in French.

GI WACAF work programme for 2016-2017

Following the discussions and recommendations developed during the Regional Conference, a work programme was drafted and was formally endorsed by the Project Steering Committee in March 2016. The following high level recommendations, based on the conclusions from the 2015 Regional Conference, were endorsed by national delegates:

- 1. The 2016-2017 GI WACAF work programme will maintain focus on the key categories identified during the previous Regional Conference (Namibia 2013):
 - Implement the core elements of the OPRC 90 Convention through support for the development of NOSCP and an emphasis on exercises to test these plan
 - Strengthen specific elements within the National Contingency Plans with a focus on Waste management, Dispersant policy, Incident Management System, Shoreline Assessment and Clean-up and Sensitivity mapping
 - Develop trans-boundary response capabilities by organising trans-boundary exercises between neighbouring countries sharing similar oil spill risks
- 2. Additional priorities to be added:
 - Support the implementation of CLC 1992 into national law and promote the ratification of the Bunkers Convention
 - Include the concept of NEBA into the work programme in a more explicit and systematic way
 - Organise trans-boundary workshops to provide a sub-regional approach on dispersant, IMS and NEBA
 - Improve cooperation between the GI WACAF Project and the Abidjan Convention
- GI WACAF should be able to provide additional support to specific requests on topics that are not part of the work program but which are of interest for some countries; for example, surveillance or wildlife response

Whilst the general trend across the region has been advancing oil spill response capability, the rate of oil spill response development has varied significantly between individual countries, with some advancing more rapidly than others. In effect, the project's work programme has become much more diversified in recent years in order to respond to the needs of individual countries.



Source: Data taken from GI WACAF list of activities, 2015. Available on <u>GI WACAF website</u>



During the 2016-2017 Biennium, GI WACAF will continue to focus the bulk of its resources on national level workshops, but significant resources will also be made available for exercises (with a strong emphasis on trans-boundary) and sub-regional workshops.

The main focus topics for national and sub-regional activities will be Contingency Planning, Dispersants and Legislation. There will also be continued focus on IMS, Sensitivity Mapping, Waste Management and SCAT. In addition, three new topics will be introduced into the work programme, these are: oil spill modeling, In-Situ Burning, and Wildlife Response. Net Environmental Benefit Analysis (NEBA) will be presented at those workshops where it is applicable.

List of activities for 2016 (subject to change)

Sao Tome and Principe	March	National workshop on Contingency Planning and Legislation
Cabo Verde	May	National workshop on Contingency Planning and Liability and Compensation in case of an oil spill
Guinea	June	National workshop on Contingency Planning
Sierra Leone	June	National workshop and exercise on Contingency Planning and Incident Management System (IMS)
South Africa	June	National workshop on Contingency Planning and Legislation
Liberia	August	National workshop and exercise on Contingency Planning and Sensitivity Mapping
Nigeria	August	National workshop on oil spill modelling
Namibia	September	Sub-regional workshop on Incident Management System (IMS) and Net Environmental Benefit Analysis (NEBA)
Senegal	November	Sub-regional wotkshop on Dispersant use
Benin/Togo	December	Trans-boundary exercise to test the lines of communication in case of an oil spill

The project management team

In November 2015, Rupert Bravery (ExxonMobil) succeeded Scott Smith (ConocoPhillips) as GI WACAF Industry Chair.

Laurent Routisseau (Total) and Richard Santner (BP) were appointed Industry Vice-Chairs.



Industry Industry Chair Vice-Chair



Rupert **Bravery**

Richard

Santner

Industry Vice-Chair



Laurent Routisseau IMO



Colleen

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The GI WACAF Project is an IMO / IPIECA partnership





THE GLOBAL OIL AND GAS INDUSTRY ASSOCIATION FOR ENVIRONMENTAL AND SOCIAL ISSUES

