

## ISCO & THE ISCO NEWSLETTER

The ISCO Newsletter is published weekly by the International Spill Control Organisation, a not-for-profit organisation supported by members in 45 countries. ISCO has Consultative Status at IMO, Observer Status at IOPC Funds and is dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency, and to providing a focus for making the knowledge and experience of spill control professionals available to IMO, UNEP, EC and other organisation.

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For more info on Executive Committee and Council Members go to [www.spillcontrol.org](http://www.spillcontrol.org)

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## International news

For more information on the events featured below, click on the banners



## INTERNATIONAL SPILL ACCREDITATION ASSOCIATION IS EXPANDING ITS OPERATIONS AND PROVIDING ADDITIONAL SERVICES FOR MEMBERS



April 7 –The International Spill Accreditation Association (ISAA) was formed in 2004 with the sole objective of improving the standards of oil spill response through accreditation. For the past few years this has been concentrated in Ireland but expansion of the Scheme into the whole of the UK, Europe and beyond is now in hand. Coupled with this are additional services which ISAA offer such as spill equipment selection, exercise planning and control and review of planned maintenance systems. However the most innovative addition is the provision of an Oil Spill Labour Provision Contract which will guarantee the supply of suitably qualified spill response labour at pre-determined rates.

For further information on any of ISAA's activities, contact: ISAA, PO Box 17234, Bromsgrove, Worcestershire B60 9LD, England or email: [johnadawes@btinternet.com](mailto:johnadawes@btinternet.com)

## PROFESSIONAL MEMBERSHIP

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REMEDIATE merges internationally renowned research groups and industrial expertise, to tackle different challenges through 13 individual research projects, ranging from environmental chemistry, toxicology and molecular microbiology, to geophysics and modelling. The aim is to deliver an integrated approach to contaminated land issues, and develop innovative technologies and commercial processes for site investigation, risk assessment and monitoring, resulting in effective remediation. *Royal Society of Chemistry* [Read more](#)

## CELEBRATING WESTERN HEMISPHERE PORTS DAY

April 4 is Western Hemisphere Ports Day, a day of recognition acknowledging the industry's role as a key driver of job creation and economic prosperity. The day recognizes the industry's commitment to education, training and environmental stewardship initiatives on behalf of the communities they serve across Canada and the Americas.

A collaboration between the American Association of Port Authorities (AAPA) and the Association of Canadian Port Authorities (ACPA), celebrations will involve Canada's 18 Port Authorities and hundreds of ports in North, Central and South America and the Caribbean.

"As the unified and recognized voice of the port industry in the Western Hemisphere, AAPA is excited to continue to share its story around the globe," said Kurt Nagle, AAPA's president and CEO. "Ports Day is part of an ongoing commitment to remind our policymakers, policy influencers and the public about the important role ports play in facilitating the movement of trade and linking their nations to the global economy." *The Maritime Executive* [Read more](#)

## Incident reports

### USA: WASHINGTON - SOURCE OF MYSTERY SPILL IN COLUMBIA RIVER FOUND

March 28 - A coordinated investigation by state and federal authorities in Wenatchee has identified Coleman Oil, Inc., a fueling facility near the Columbia River, as the source of the biodiesel [spill that has been leaking into the river](#).

The search for the source narrowed last week when spill responders [identified the product as biodiesel](#). The investigation then focused on the facility because of its location near the river and because it handles biodiesel. *khq.com* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

## International news (continued)

### REMEDIATE: CHEMISTRY FOR CONTAMINATED LAND

April 3 - Sabrina Cipullo AMRSC is a Marie Curie Early Stage Researcher (ESR) in environmental technology at Cranfield University, working on environmental chemistry and toxicological approaches to site assessments. She explains how the four year EU project, REMEDIATE, can provide better informed solutions for remediation, the process of reversing or stopping environmental damage.

More than 200 years of industrialisation has left a legacy of contaminated sites across Europe. According to the European Environment Agency, around three million sites in our continent alone are affected by potentially polluting activities, of which about 500,000 are in need of remediation. As a result, there is considerable pressure to develop innovative and cost-effective solutions to the problems posed by pollution; this is the aim of [REMEDIATE ITN](#) (initial training network).



*Sabrina Cipullo (right) and Stacie Tardif (left) collecting samples at the Collstrup site in Hillerød, Denmark Picture: © Sabrina Cipullo*

This four-year project, funded by the European Union's Horizon 2020 programme, brings together 13 early stage researchers from all over the world, including China, Nepal, Canada, the US, India, Iran, Italy, Moldova, Serbia, and Portugal.

## Incident reports (continued)

### BERMUDA: FUEL SPILL IN ST GEORGE'S

March 28 - Rubis workers are dealing with a fuel tank breach at their storage facility in St George's.

Yesterday afternoon a spokeswoman for the Ministry of the Environment said that a pollution control team had also been dispatched to the scene.

MP for St. George's West, Nandi Outerbridge reassured constituents this evening that the spill was being contained and monitored closely and she would keep affected residents informed. *Royal Gazette* [Read more](#)

### NORWAY: DIESEL OIL SPILLED AFTER FISH FARM CATAMARAN FOSNAKALLEN SANK

March 30 - Diesel oil spilled at communal pier in Kyrksaeterora in Norway after fish farm catamaran Fosnakallen capsized and sank. The accident happened during the evening, when on board of the vessel there were no crew, and was reported to the local police in the early morning. The area around the troubled catamaran was surrounded by oil booms, which restricted the spreading of oil spot to the shore.

*Maritime Herald* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### VENEZUELA: CRUDE SPILL HITS JOSE OIL TERMINAL

March 31 - Operations at Venezuela's main oil-exporting port Jose were hit by a crude oil spill on Tuesday, union sources and shipping agents told Reuters.

A break in a pipeline that runs from the oil terminal to a single buoy mooring (SBM) facility near Venezuela's eastern coast would have produced the spill, according to four sources familiar with the incident. None of the sources could confirm the spill's magnitude but operators said there were no vessels docking at the SBM at the time of the incident. *Hydrocarbon Processing* [Read more](#)

### USA: ALASKA - OIL LEAK DISCOVERED BY WORKERS IN COOK INLET

April 3 - An oil leak was discovered in Alaska's Cook Inlet on Saturday, causing a major oil and gas producer to shut down two of its platforms there, officials say. Hilcorp Alaska LLC workers felt an impact on the company's Anna Platform shortly before noon Saturday, then noticed an oil sheen and bubbling from underwater, according to the Alaska Department of Environmental Conservation.

The spill is on the west side of Cook Inlet, to the southwest of Anchorage. Officials say leak is from an underwater pipeline that is carrying more than 19,000 gallons of crude oil. It's not clear how much oil is spilling into the inlet. Hilcorp said it lowered the pressure in the line and has hired a diving contractor to investigate the leak. *wrcbtv.com* [Read more](#)

**April 4 - Alaska oil pipeline leak stopped, threat to wildlife unclear** - The flow of oil from an underwater pipeline leak discovered in Alaska's southern Cook Inlet over the weekend has been stopped, but it's unclear how much crude poured into the water posing a threat to wildlife. *msn.com* [Read more](#)

### UAE: SHARJAH - OIL SPILL LEAVES COASTAL WATERS AND BEACH COATED IN CRUDE



April 3 - A major clean-up operation is under way after a major oil spill left a kilometre-long stretch of the UAE coated in thick crude.

The oil slick washed ashore on to the beach at Kalba on Sharjah's east coast on Sunday. The UAE Armed Forces and Coastguard were among the authorities mobilised to respond.

Hana Al Suwaidi, chairwoman of the Environment and Protected Areas Authority in Sharjah, said the beach and rocks were left stained by oil. The spill is the second in weeks. *The National* [Read more](#)

**April 4 - Floating booms contain oil spill in Khor Kalba** - Environmental workers continued their clean-up operations several days after a major oil spill was spotted off the coast of Kalba on Tuesday. *Gulf News* [Read more](#)



## Incident reports (continued)

### USA: NEW YORK - OIL SPILL DUMPS 27,000 GALLONS TOWARD THE GRAVESEND BAY

April 4 - A Brooklyn company quietly spilled thousands of gallons of heating oil into Gravesend Bay, BKLYNER has learned. The 27,000 gallon spill at Bayside Fuel Depot began before sunrise on Thursday, March 30, New York State Department of Environmental Conservation (NYC DEC) official Rodney Rivera confirmed after we obtained photographs and video of the spill's aftermath and extensive cleanup.

Within hours of the report, the response team, which includes the Department of Environmental Conservation (DEC), the US Coast Guard, the Environmental Protection Agency (EPA), and the Fire Department of the City of New York (FDNY), rushed to contain the spill. [bklyner.com](http://bklyner.com) [Read more](#)

### SRI LANKA: 14,000 TEU BOX SHIP CATCHES FIRE OFF SRI LANKA



*Photo Courtesy Sri Lankan Navy*

April 5 - The container ship MSC Daniela caught fire 120 nm off the port of Colombo, Sri Lanka on Tuesday morning, and response vessels from the Sri Lankan and Indian navies are attempting to put out the blaze.

The Sri Lankan Navy received a distress call about the fire from the Daniela's local agent and dispatched the navy vessel Sagara to respond. Sri Lankan authorities also requested assistance from their Indian counterparts, and the Indian Navy dispatched the vessels Soor and Dharsha to the scene.

As of Wednesday morning, the Daniela had been brought within 10 nm of shore, and two tugs from the Sri Lanka

Ports Authority had joined the firefighting effort. The Indian Navy dispatched two additional vessels, the Gharial and the Darshak, to provide additional assistance.

Sri Lankan media reports that the 14,000 TEU Daniela is loaded with about 10,000 twenty-foot equivalent units of cargo. She is anchored 14 nm northwest of Colombo, and firefighting efforts continue. No injuries or pollution have been reported. *The Maritime Executive* [Read more and watch video](#)

### USA: OHIO - TOWING VESSEL PINNED TO DAM AND TAKING ON WATER ON OHIO RIVER

*Photo: UTV Mike A. Nadicksbernd allided with Lock and Dam 52 on the Ohio River and is taking on water. The cause of the incident is under investigation. U.S. Coast Guard photo*

April 6 - A Unified Command has been set up in response to the Uninspected Towing Vessel Mike A. Nadicksbernd taking on water at Lock and Dam 52 on the Ohio River near Brookport, Illinois, Thursday.

The vessel has approximately 47,000 gallons of diesel on board. A lightering operations plan has been submitted and is being reviewed for approval.

The towing vessel allided with Lock and Dam 52, Wednesday afternoon, and was pinned against the lock wall. The vessel then began taking on water in the engine room. *gCaptain*

[Read more](#)



## News reports from around the world (countries listed in alphabetical order)

### BRAZIL'S BLACK MARKET PIPELINE: GANGS HIJACK PETROBRAS' OIL, FUEL

April 4 - In September, police investigating a wave of killings in the northern Rio de Janeiro suburbs followed a tip to the isolated scrubland near the massive Duque de Caxias oil refinery.

Police presumed the killings were linked to turf battles between criminal gangs in the run-up to municipal elections the following month. They found a different explanation buried beneath the grass: a system of tubes to siphon fuel from underground pipelines leading from the refinery, owned by state-run oil company Petrobras. *Reuters* [Read more](#)

## News reports from around the world (continued)

### CANADA NEEDS SINGLE BODY TO ASSESS OIL PIPELINES, MINES: PANEL

April 5 - Canada needs a single federal authority to assess the potential impact of major projects such as oil pipelines and mines, a move that could help quell environmental protests, an official panel said on Wednesday.

Responsibility for examining the potential impact of projects on federally-regulated land in Canada is shared between three separate entities, a much-criticised system that the Liberal government says the public does not trust.

The panel called for the creation of an independent federal Impact Assessment Authority, which would pay more attention to both the long-term implications of a project and the views of aboriginal populations. "If there is trust in the authority conducting the impact assessment, the outcome is more likely to be considered fair and thus be accepted by all parties, even if their particular positions do not win the day," the panel concluded.

Critics are particularly unhappy that oil and gas projects are assessed by the National Energy Board (NEB), which is also the federal energy regulator. The panel said some people feel the board was biased towards the industry.

*Reuters* [Read more](#)

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### CANADA: NATHAN E. STEWART INCIDENT SHOWS CANADA'S SPILL RESPONSE LACKING, FIRST NATION SAYS

April 6 - A First Nation in northern B.C. is calling the government out on its handling of a fuel spill near Bella Bella last year.

In a new report on the first 48 hours of the sinking of the Nathan E. Stewart in October 2016, the Heiltsuk Nation says the Transportation Safety Board (TSB), the Coast Guard and the owners of the vessel, the Kirby Corporation, repeatedly refused to provide the nation with information about the spill.

The report also says many aspects of the spill response were inadequate, including slow response time, insufficient and ineffective equipment, a lack of safety gear, and confusion about who was in charge. "That day, I saw a lot of chaos," Heiltsuk hereditary chief Harvey Humchitt is quoted as saying in the report. *CBC News* [Read more](#)

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### INDIA: OVER 300 TONNES OF TOXIC WASTE STILL LYING AT THE BHOPAL GAS TRAGEDY SITE

March 28 - About 336 tonnes of hazardous waste is still lying at the site of the 1984 Bhopal gas tragedy, environment minister for state Anil Madhav Dave told Lok Sabha Tuesday. No funds have been sought nor any allocation made for the disposal of the toxic material, the minister added.

A leak at the Union Carbide pesticide plant resulted in the death of over 3000 people, and left thousands others deformed.

With the intention of disposing of toxic waste safely, the government has carried out assessment of the material, evaluated its toxicity and arranged for its safe packaging and storage at the site. They have also identified technology for disposal but only 10 tonnes of hazardous waste has been incinerated till now as part of a trial. The incinerated material does not pose a threat to the environment. *Hindustan Times* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

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### MYANMAR: NATIONAL SEMINAR ON OIL POLLUTION PREPAREDNESS, RESPONSE AND CO-OPERATION

April 4 - News from ITOPF - ITOPF was one of the participating organisations at a national seminar organised by the Department of Marine Administration, Ministry of Transport and Communications of the Republic of the Union of Myanmar from 29-30 March 2017.

The primary objective of the seminar was to provide assistance to the concerned ministerial departments on the development of the national oil spill contingency planning framework, strategies and policies, including implementation of existing relevant national legislation and international treaties.

Myanmar's NCP is currently being developed with the assistance of the Norwegian Coastal Administration (NCA) under their Oil for Development programme. Dr Franck Laruelle provided input on the process and components for developing contingency plans, the fate and behaviour of oil after spillage, case studies in the South East Asia region and an overview of response organisation and funding worldwide. <http://www.itopf.com/>

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### NIGERIA: BAYELSA COMMUNITY DECRIES LAKE POLLUTION

April 7 - Members of Ikarama community in Yenagoa Local Government of Bayelsa State have decried the pollution of Oya Lake by the oil drilling operations of Shell Petroleum Development Company (SPDC).

## News reports from around the world (continued)

They accused SPDC of carrying out improper clean-up of the lake polluted by an oil spill, which allegedly occurred from the company's Ikarama-Rumuekpe pipeline.

Mr. Ayibatari Francis, who spoke on behalf of the community, told News Agency of Nigeria (NAN) in Yenagoa the crude, which leaked into the lake, affected aquatic life.

Pastor FearGod Kologa, another resident, said they learnt Shell did not carry out remediation of the polluted lake due to seismic activities near the lake late last year. He said SPDC officials and officials of National Oil Spill Detection and Response Agency (NOSDRA), who visited Oya Lake last month, confirmed the presence of oil slick.

SPDC's Media Relations Manager Mr. Precious Okolobo said the firm carried out a clean-up of Oya Lake between July and October 2013 when the oil spill occurred. He said the company recently noticed traces of oil in the area. Okolobo said SPDC and NOSDRA officials inspected the site, adding that a report on their findings was expected to be released soon. *The Nation* [Read more](#)

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## SOUTH KOREAN ACTIVISTS CALL FOR INVESTIGATION INTO YONGSAN OIL SPILLS

April 3 - South Korean activists have released U.S. records showing 84 oil spills, including seven that were more than 1,000 gallons, over a 25-year period at Yongsan Garrison.

Three groups, which obtained documents detailing incident reports from 1990-2015 after filing a Freedom of Information Act request, said the number and scale of the spills were much greater than those made public by U.S. Forces Korea or the South Korean government. *Stars and Stripes* [Read more](#)

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## UK: MARITIME AND COASTGUARD AGENCY (MCA) SIGNS INTERNATIONAL GROUP LARGE CASUALTY MOU

April 3 - The UK is the latest state to sign-up to the International Group large casualty Memorandum of Understanding regarding the response to major maritime casualties and incidents. The MoU is a key element of the International Group Outreach programme, and was developed following the review undertaken in 2012 (and updated in 2016) of major maritime casualties involving removal of wreck operations.

The aim of the MoU is to promote and streamline cooperation between the Group clubs and Maritime Authorities to facilitate expeditious and effective response to major maritime casualties and incidents, particularly those involving actual or potential removal of wreck operations and environmental damage, or the threat thereof.

The MoU is not a legally binding document, and does not override existing international, regional or national arrangements for the handling of maritime casualties. Nor does it override applicable law or statutory rights, duties and obligations. Rather, it is designed to provide a collaborative framework for prompt and efficient handling of casualties. It also provides for joint participation in education and training exercises. South Africa, Australia and New Zealand have already entered into similar MoUs with the International Group, and approaches have been made to and discussions are ongoing with a number of other states. <http://www.igpandi.org/article/ukmca2017>

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## USA: US - PHMSA AMENDS HAZARDOUS MATERIALS REGULATIONS

March 30 - On March 30, 2017, the Pipeline and Hazardous Materials Safety Administration (PHMSA) published in the Federal Register a final rule [Docket No. PHMSA-2015-0273 (HM-215N)] to amend the Hazardous Materials Regulations (HMR) to maintain consistency with international regulations and standards by incorporating various amendments, including changes to proper shipping names, hazard classes, packing groups, special provisions, packaging authorizations, air transport quantity limitations, and vessel stowage requirements. These revisions are necessary to harmonize the HMR with recent changes made to the International Maritime Dangerous Goods Code, the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air, and the United Nations Recommendations on the Transport of Dangerous Goods—Model Regulations. Additionally, PHMSA is adopting several amendments to the HMR that result from coordination with Canada under the U.S.-Canada Regulatory Cooperation Council.

The rule is effective March 30, 2017, except for instruction 22, which is effective January 2, 2019. The voluntary compliance date was January 1, 2017. Unless otherwise specified, compliance with the amendments adopted in the final rule is required beginning January 1, 2018. *Lexology* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

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## USA: FEDS RETAIN MANY POST-PIPELINE SPILL CORRECTIVE ACTIONS

March 30 - Federal pipeline officials are keeping in place many of the corrective measures they ordered in December after a pipeline spilled about 530,000 gallons of oil in western North Dakota.



## News reports from around the world (continued)



*This Dec. 10, 2016, file photo, provided by the North Dakota Department of Health shows an oil spill from the Belle Fourche Pipeline that was discovered Dec. 5, 2016 in Ash Coulee Creek, a tributary of the Little Missouri River, near Belfield, N.D. Federal pipeline officials are keeping in place many of the corrective measures they ordered in December after the pipeline spilled about 530,000 gallons of oil in western North Dakota. The decision came March 24, 2017, from the Office of Pipeline Safety, following a February hearing. (Scott Stockdill/North Dakota Department of Health via AP, File) The Associated Press*

Federal officials have decided to keep in place many of the corrective measures they ordered in December after a pipeline spilled about 530,000 gallons of oil in western North Dakota, which was one of the biggest spills in the state's history.

The March 24 decision from the Pipeline and Hazardous Materials Safety Administration's Office of Pipeline Safety stemmed from a Feb. 21 hearing in Denver. It means Wyoming-based pipeline operator True Cos. must take several steps, including digging up the failed section of the Belle Fourche Pipeline and doing additional pipe and terrain testing and analysis. *US News* [Read more and watch video](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

## USA: EPA - UNDERGROUND STORAGE TANKS (USTs)

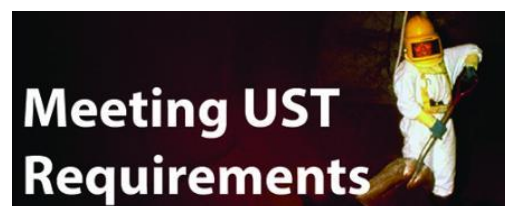
April 2 - Approximately 561,000 underground storage tanks (USTs) nationwide store petroleum or hazardous substances. The greatest potential threat from a leaking UST is contamination of ground water, the source of drinking water for nearly half of all Americans. EPA, states, and tribes work in partnership with industry to protect the environment and human health from potential releases.

- [Long Term Stewardship at Leaking Underground Storage Tank Sites with Residual Contamination](#)
- [End of Year 2016 UST Performance Measures](#)
- [States Applying or Re-applying for State Program Approval](#)



### Learn About USTs

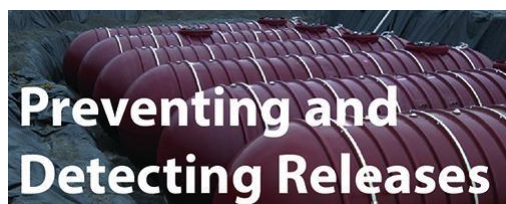
[Introduction to underground storage tanks](#)



### Meeting UST Requirements

Regulatory resources for:

- [UST owners and operators](#)
- [UST inspectors](#)
- [States and territories](#)



### Preventing and Detecting Releases

- [Release prevention](#)
- [Release detection](#)
- [Delivery prohibition](#)



### Cleaning Up Releases

- [Introduction to cleaning up UST releases](#)
- [Leaking UST corrective action resources](#)
- [Petroleum brownfields](#)
- [Petroleum vapor intrusion](#)

There's a lot more information about Underground Storage Tanks at this EPA site <https://www.epa.gov/ust> [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

## THE GLOBAL INITIATIVE FOR WEST, CENTRAL AND SOUTHERN AFRICA (GI WACAF PROJECT)

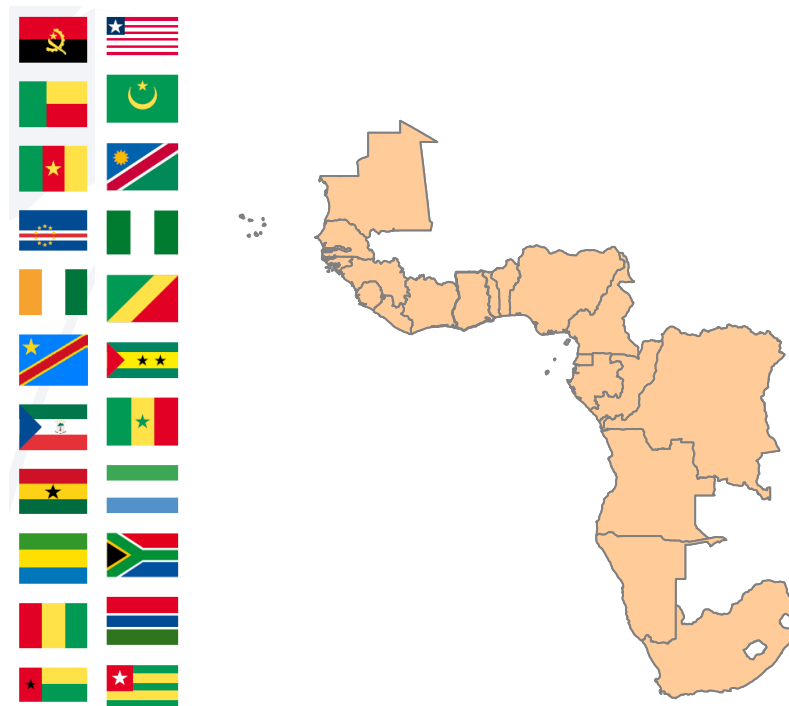


About the author – Clément Chazot is the Project Manager for the Global Initiative for West, Central and Southern Africa (GI WACAF Project). He obtained a Master's Degree in Environment Engineering with a specialisation in marine biology in 2013, following which he worked as Junior Programme Officer for the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC), a Regional Activity Centre of the Mediterranean Action Plan (UNEP/MAP) which is administered by the International Maritime Organization (IMO).

In September 2016, Clément became the GI WACAF Project Manager. The said Project is a cooperation between the IMO and IPIECA, the global oil and gas industry association for environmental and social issues, aiming to assist 22 West, Central and Southern African countries in strengthening their capacity to prepare for and respond to marine oil spills.

Launched in 2006, the Global Initiative for West, Central and Southern Africa (GI WACAF Project) is a cooperation between the International Maritime Organization (IMO) and IPIECA, the global oil and gas industry association for environmental and social issues. It aims to assist 22 West, Central and Southern African countries in strengthening their capacity to prepare for and respond to marine oil spills.

The GI WACAF Project is jointly funded by the International Maritime Organization and seven oil companies (BP, Chevron, Eni, ExxonMobil, Shell, Total and Woodside).



**Figure 1 GI WACAF Membership**

The scope is to organise workshops, training, seminars and exercises in collaboration with national authorities in charge of oil spill response and in partnership with local business units.

In organising and delivering the said activities, the Project benefits from the support of a network of trained and committed Governmental and industry focal points in-country.

The GI WACAF Project is supported by an effective management system based on six goals of preparedness which reflect the capacity of countries in the region to prepare for and respond to marine oil spills.



## Special feature (continued)

These goals cover the requirements of the OPRC 90 Convention:

**Goal 1 - Legislation:** Promote the ratification of the relevant international Conventions

**Goal 2 - Contingency plan:** Develop National Contingency Plans for all the countries of the region

**Goal 3 - Designation of authority:** Obtain clarity on roles and responsibilities of all stakeholders

**Goal 4 - Regional agreements:** Promote the exchange of information and the provision of mutual assistance for oil spill incidents

**Goal 5 - Training:** Ensure that training and exercises to underpin the National Contingency Plan are delivered in the participating countries on a regular basis

**Goal 6 - National capabilities:** Support participating countries in developing their own national response system

The results from 2015 show a significant increase in the overall level of oil spill response preparedness and response across the region, when compared with the 2006 baseline information, as shown in figure 2 below:

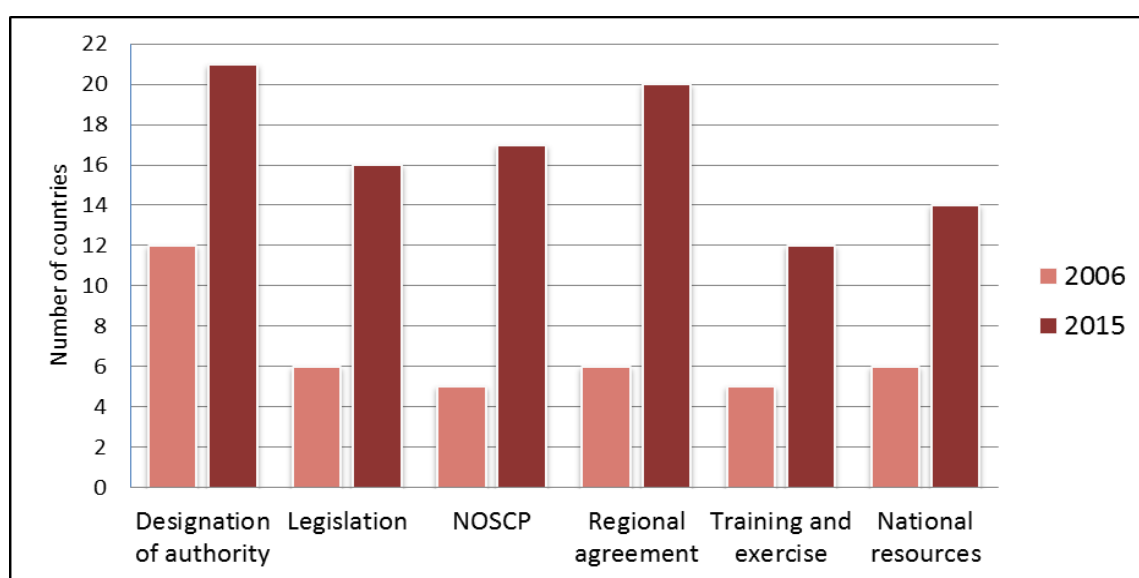


Figure 2 Six Goals of Preparedness

Given that significant improvements have been achieved since 2006, and considering that some countries are advancing faster than others, the Project agreed in 2015 on supplementary indicators to be used.

These new indicators enable a more detailed overview of the status of preparedness in the region, and also help the Project to effectively tailor the assistance provided to each country.

The supplementary indicators are presented in the figure 3 below:

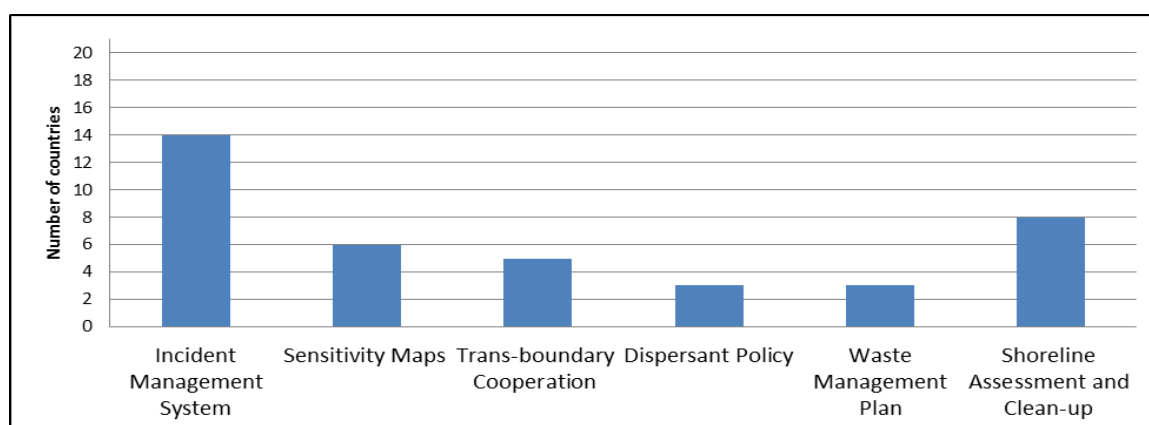


Figure 3 Supplementary indicators

## Special feature (continued)

The participating countries conduct national assessments and set out their national priorities during biennial Regional Conferences. This provides the basis of a two-year work programme of activities to be implemented. On average, the Project implements around 12 capacity building activities per year, ensuring the dissemination of good practices in line with the latest developments in the field of oil spill preparedness, response and cooperation.

At the strategic level, the Steering Committee of the Project is composed of representatives from IMO, the oil industry, as well as IPIECA. At the implementation level, a Project Manager and a Project Coordinator form the GI WACAF Secretariat.

As 2016 marked the 10<sup>th</sup> Anniversary of the Project and 2017 will see the organisation of the 100<sup>th</sup> GI WACAF activity, the improvements in the region are significant, however there remains much to do as risks change and the expectations for oil spill preparedness continue to be raised. GI WACAF continues to demonstrate the benefits that a regionally focussed project, with a long term commitment from its members, can deliver.

For more information, please contact Mr Clement Chazot ([clement.chazot@ipieca.org](mailto:clement.chazot@ipieca.org)) – GI WACAF Project Manager – or Mr Julien Favier ([JFavier@imo.org](mailto:JFavier@imo.org)) – GI WACAF Project Coordinator.

## Contracts and tenders

### UK: NATIONAL SUPPLY OF POLLUTION CONTROL EQUIPMENT

April 6 - The Environment Agency has published an opportunity to bid for a current contract opportunity - National Supply of Pollution Control Equipment. This opportunity will close 12th May at 12 noon after which time no further bids will be accepted.

The Environment Agency uses an eTendering system, Bravo Solutions, for all procurements. To register your organisation on Bravo please follow the link: <https://defra.bravosolution.co.uk>

To view and respond to the current National Supply of Pollution Control Equipment opportunity please follow the link: <https://defra.bravosolution.co.uk/esop/toolkit/opportunity/opportunityDetail.do?opportunityId=31431&oppList=CURRENT#>

## Job vacancies

### ITOPF: TECHNICAL ADVISER (MARINE POLLUTION)

April 5 – ITOPF is seeking a Technical Adviser to join its small London-based team. The work is varied and challenging. It involves giving advice world-wide on the most appropriate methods for cleaning up oil and chemical spills from ships, minimising their impact on economic resources and the environment, and providing advice on compensation. [Download more information and links for job description and application](#)

## Links for recent issues of other publications (in alphabetical order)

<a href="#">AMSA Aboard</a>	News from the Australian Maritime Safety Authority	December 2016
<a href="#">ASME EED EHS Newsletter</a>	News and commentary on HSE issues from George Holliday	Most recent issue
<a href="#">Bow Wave</a>	Sam Ignarski's Ezine on Marine & Transport Matters	Current issue
<a href="#">Cedre Newsletter</a>	News from Cedre in Brittany, France	February 2017
<a href="#">CROIERG Enews</a>	Canberra & Regions Oil Industry Emergency Response Group	Current issue
<a href="#">EMSA Newsletter</a>	News from the European Maritime Safety Agency	March 2017 issue
<a href="#">Environmental Technology Online</a>	Environmental Monitoring, Testing & Analysis	December 2016 issue
<a href="#">IMO News Magazine</a>	News from the International Maritime Organization	Spring 2017 issue
<a href="#">IMO Publishing News</a>	New and forthcoming IMO publications	March 2017
<a href="#">Intertanko Weekly News</a>	International news for the oil tanker community	April 7, 2017
<a href="#">JOIFF "The Catalyst"</a>	Int'l Organisation for Industrial Hazard Management	January 2017 issue
<a href="#">MOIG Newsletter</a>	News from the Mediterranean Oil Industry Group	January 2017 issue
<a href="#">NOWPAP Quarterly</a>	News from the North West Pacific Action Plan	Quarter 1, 2016 issue
<a href="#">Ocean Orbit</a>	Newsletter from the International Tanker Owners Pollution Federation	May 2016
<a href="#">OCIMF Newsletter</a>	News from the Oil Companies International Marine Forum	March 2017 issue
<a href="#">Pollution Online Newsletter</a>	News for prevention & control professionals	April 5 2017
<a href="#">Safe Seas, Clean Seas</a>	Quarterly Newsletter from Maritime New Zealand	December 2016 issue
<a href="#">Sea Alarm Foundation Newsletter</a>	Oiled wildlife Preparedness and Response news from Sea Alarm	Autumn 2015 issue
<a href="#">Technology Innovation News Survey</a>	News from US EPA – Contaminated Site Decontamination	December 1-15, 2016
<a href="#">Transport Canada Newsletter</a>	News and articles re transport of dangerous goods in Canada	December 2016 issue
<a href="#">USA EPA Tech Direct</a>	Remediation of contaminated soil and groundwater	April 1, 2017
<a href="#">USA EPA Tech News &amp; Trends</a>	Contaminated site clean-up information	Spring 2016 issue
<a href="#">WMU Newsletter</a>	News from the World Maritime University	December 2016 issue

Your editor depends on regular receipt of updated links for listed publications. If these are not received, relevant entries may be discontinued

## Upcoming events summary

COUNTRY	2017	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
UK	Jan 16 – July 7	<a href="#">IMO Exhibition – 50 Years Gov't &amp; Industry Co-op'n</a>	London
UK	April 24-28	<a href="#">April 2017 IOPC Funds Meetings</a>	London
SINGAPORE	April 25-28	<a href="#">10th Intl Chemical and Oil Pollution (ICOPCE)</a>	Singapore
UK & IRELAND	April 26-27	<a href="#">ISAA Spill Response Training Days, N. Ireland</a>	Enniskillen
UAE	May 9-10	<a href="#">Offshore Arabia Conference &amp; Exhibition</a>	Dubai
USA	May 15-18	<a href="#">International Oil Spill Conference</a>	Long Beach CA
USA	May 16	<a href="#">ISCO-BIMCO Presentation &amp; Reception</a>	Long Beach CA
UAE	May 16-18	<a href="#">Middle East HSE Technical Forum</a>	Dubai
USA	May 17	<a href="#">ISCO AGM</a>	Long Beach CA
USA	May 23-26	<a href="#">INTERTANKO Annual Tanker Event</a>	Houston TX
CANADA	June 6-8	<a href="#">40th AMOP Tech.Seminar on Contam'n &amp; Response</a>	Alberta
BELGIUM	June 7-8	<a href="#">European Environmental Ports Conference 2017</a>	Antwerp
UK	June 20-21	<a href="#">Wreck Removal Contracts &amp; Operations Seminar</a>	London
GHANA	June 26-30	<a href="#">NOSCP Table-top Exercise</a>	Accra
USA	June 27-28	<a href="#">Clean Waterways</a>	Louisville KY
UK	July 3-7	<a href="#">IMO Marine Environment Protection Committee</a>	London
CHINA	July 14	<a href="#">6th NOWPAP DELTA Exercise</a>	Weihai
SENEGAL	July 17-20	<a href="#">International Workshop on Dispersant and NEBA</a>	Dakar
NIGERIA	Sept. 5-7	<a href="#">National Workshop on Liability and Compensation</a>	
UK	Sept. 5-8	<a href="#">SPE Offshore Europe</a>	Aberdeen
UK	Sept. 6-7	<a href="#">8<sup>th</sup> Maritime and Salvage Response</a>	London
UAE	Nov. 13-16	<a href="#">Abu Dhabi Int'l Petroleum Exhibition &amp; Conference</a>	Abu Dhabi
USA	Dec. 5-7	<a href="#">Clean Gulf Conference and Exhibition</a>	Houston, TX
	<b>2018</b>		
UK	March 13-15	<a href="#">2018 INTERSPILL Conference and Exhibition</a>	London
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

## Company news

### LAMOR CORPORATION AND ROSNEFT SIGN COOPERATION AGREEMENT



*In the photo: Fred Larsen, President and CEO of Lamor Corp. and Andrey Shiskin, Vice-President, Energy, Localization and Innovations, Rosneft*

March 31 - Lamor Corporation and the Russian oil giant Rosneft signed a Cooperation Agreement at the IV International Arctic Forum, in Arkhangelsk, Russia.

The partnership will evaluate prospects of localizing production of oil spill response (OSR) equipment and machinery in Russia for the Arctic region. Localization of production is forecasted to be at least 70% by 2025, and the equipment will be manufactured at a Rosneft shipbuilding facility. The parties aim to establish joint production of specialized floating crafts, equipment for oil spill recovery at sea and on land, oil containment booms, as well as other equipment and components.

"We are very pleased to team up with Rosneft. As long-standing partners, we have been supplying OSR equipment for Rosneft's production assets for the past 20 years," stated Fred Larsen, President and CEO of Lamor Corporation.

"We have service centers in Russia to provide maintenance and support for OSR equipment, Ecosshelf in Sakhalin and Ecosshelf-Baltika in St. Petersburg, that have been in operation for 18 years. Joint production with Rosneft takes our presence in the Russian market to another level," said Larsen.



## Company news (continued)

In accordance with the agreement, Lamor and Rosneft will manufacture equipment for Rosneft projects as well as third-party customers.

For more information, please contact: Fred Larsen, President & CEO, Lamor Corporation, [fred.larsen@lamor.com](mailto:fred.larsen@lamor.com), tel: +359 400 906 311, [www.lamor.com](http://www.lamor.com) Rosneft Information Division, tel: +7 499 517 8897, [www.rosneft.com](http://www.rosneft.com)

*Lamor is a Corporate Member of ISCO*

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### T&T MARINE SALVAGE RECEIVES NEW USCG CERTIFICATION

*Photo: Argo contaminated water diving operations*

Galveston, Texas, based T&T Marine Salvage has received a new certification by the U.S. Coast Guard covering the detection and recovery of non-floating oils.

T&T is the first Coast Guard recognized Salvage and Marine Firefighting service provider to receive this new Oil Spill Removal Organization (OSRO) classification initiated by the U.S. Coast Guard in 2016.

T&T says the new certification is in recognition of its years of experience conducting non-floating oil detection and recovery operations and its expansive inventory of hydrographic, diving, ROV, and submersible pumping equipment positioned around the U.S. and its territories. Additionally, T&T maintains purpose-built hydrographic survey vessels, used during the Deepwater Horizon incident and other projects involving non-floating oils.



This Coast Guard recognition comes just months after the National Oceanic and Atmospheric Administration listed the agency's top three FY16 response operations, all involving T&T personnel and equipment.

Two of these high-profile response operations highlighted T&T's capabilities to conduct oil removal operations below the surface.

In late 2015, the U.S. Coast Guard contracted T&T to conduct an underwater assessment and recover a highly toxic benzene cargo from the tank barge Argo that sank in Lake Erie in 1937.

This project required divers to work in zero-visibility and, after conducting a comprehensive non-destructive testing survey, install hydraulic submersible pumps on the hull at eight locations to safely pump the cargo to a barge that had been specially constructed by T&T with an inert gas system and vapor recovery control systems to minimize any environmental impacts.

In September 2015, following a barge collision on the Mississippi River, T&T was contracted to recover a heavy slurry oil on the bottom of the river. During this operation, T&T again coordinated all recovery assets, including an environmental clamshell and receiving barges.

In an assessment of the operation, the Coast Guard Incident Commander stated: "although OSROs are well versed and skilled in on-water oil spill containment and recovery, the designated salvor was better positioned with greater breadth of expertise for allocating resources and implementing/managing tactics for sunken oil recovery."

"With our years of proven experience managing the removal of oil from sunken ships and recovering non-floating oils, T&T is uniquely qualified to manage these challenging projects," said T&T's Vice President, Jim Elliott.

Based on this experience and expertise, T&T was also selected to help write the 2016 American Petroleum Institute report on detecting and recovering sunken oils that serves as the foundational document for the Coast Guard's new OSRO classification system. [Marine Log](http://marine-log.com) <http://teichmangroup.com/>

*T&T Salvage is a Corporate Member of ISCO*

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