

ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization 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 Intergovernmental, Governmental, NGO's and interested groups and individuals

ISCO holds consultative status at the International Maritime Organisation and observer Status at International Oil Pollution Compensation Funds

ISCO EXECUTIVE COMMITTEE

President, Secretary General & Vice-Presidents

- Nominee for an Acting President (TBA)
- Mr Neil Marson, Secretary General (UK)
- Mr John McMurtrie, VP and Editor (UK)
- Ms Mary Ann Dalgleish, VP M'ship (USA)

Other Executive Committee Members

- Mr Kerem Kemerli (Turkiye)
- Mr Marc Shaye (USA)
- Mr Dan Sheehan (USA)
- Captain Bill Boyle (UK)
- Lord Rickaby (UK)
- Mr Matthew Sommerville (UK)

COUNCIL (National Representatives)

- Mr John Wardrop (Australia)
- Mr Elkhan Mamedov (Azerbaijan)
- Dr Merv Fingas (Canada)
- Captain D. C. Sekhar (India)
- Major Ben Benny (Israel)
- Mr Sanjay Gandhi (Kenya)
- Mr Dennis van der Veen (Netherlands)
- Mr Carlos Sagrera (Panama)
- Mrs Fatima B. Shaik (South Africa)
- Dr Ali Saeed Al Ameri (UAE)
- Dr Timothy Gunter (USA)
- Mr Flavio P. de Andrade (Brazil)
- Mr Kerem Kemerli (Turkiye)

SECRETARIAT (Core Management Team)

- Mr Neil Marson (UK)
- Mr John McMurtrie (UK)
- Ms Mary Ann Dalgleish (USA)
- Captain Bill Boyle (UK)
- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



“LESS THAN \$14 MILLION NOW NEEDED” TO FUND WORK TO AVERT OIL SPILL DISASTER

August 30 - The UN appealed Tuesday for the last \$14 million needed to try and prevent a stricken oil tanker from triggering a disaster off Yemen that could cost \$20 billion to clean up.

The decaying 45-year-old FSO Safer, long used as a floating storage platform and now abandoned off the rebel-held Yemeni port of Hodeida, has not been serviced since Yemen was plunged into civil war more than seven years ago. If it breaks up, it could unleash a potentially catastrophic spill in the Red Sea.

David Gressly, the United Nations' resident and humanitarian coordinator in Yemen, leads UN efforts on the Safer.

"Less than \$14 million is now needed to reach the \$80 million target to start the emergency operation to transfer oil from the Safer to a safe vessel," said Gressly's communications advisor Russell Geekie. "We're deeply concerned. If the FSO Safer continues to decay, it could break up or explode at any time," he told reporters in Geneva, via video-link from Sanaa.

"The volatile currents and strong winds from October to December will only increase the risk of disaster. If we don't act, the ship will eventually break apart and a catastrophe will happen. It's not a question of if, but when." He said the result would potentially be the fifth largest oil spill from a tanker in history, with the clean-up costs alone reaching \$20 billion.

The Safer contains four times the amount of oil that was spilled by the 1989 Exxon Valdez disaster, one of the world's worst ecological catastrophes, according to the UN. "It would unleash an environmental, economic and humanitarian catastrophe," said Geekie. PhysOrg / [Read more](#) [Editor: The UN has invited the private sector to help fund the work. HSA Group, Yemen's largest private company, has just donated \$1.2M and it is hoped that other companies and wealthy individuals will follow in giving their support]

ISCO AMBASSADORS


(Members with special responsibilities in specified geographical areas)

- Carlos Sagrera Latin America (Spanish speaking)
- Matthew Sommerville UK London
- John Noble UK London & South'ton
- Wu Yue China

MEMBERSHIP OF ISCO

- [Benefits of Membership](#)
- [Online Membership Application Form](#)

YOU ARE INVITED TO JOIN THE ISCO DISCUSSION GROUP ON LINKED-IN

 Click on the link below – <https://www.linkedin.com/groups/4016064/>

AND ISCO'S FACEBOOK GROUP

Click on the link -  <https://www.facebook.com/groups/388528312842431>

WHATSAPP GROUP FOR STUDENTS, TRAINEES & APPRENTICES

Here is the link for joining this group – <https://chat.whatsapp.com/KMxdW7IEal79namyNlbVqg>

ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION

Professional recognition is a visible mark of quality, competence and commitment, and can give you a significant advantage in today's competitive environment. All who have the relevant qualifications and the required level of experience can apply for Professional Membership of ISCO. The organization offers independent validation and integrity. Each grade of membership reflects an individual's professional training, experience and qualifications. You can apply for MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO)

- [About Professional Membership](#)
- [Professional Membership Application Form](#)




ISCO NEWS

INTRODUCING NEW STUDENT MEMBERS OF ISCO

Student Members are invited to post introductions to themselves in the Newsletter



Xudong Ye is a student at Memorial University of Newfoundland, St. John's, NL, Canada.

“My major is civil engineering (Environmental Engineering). My subject focus on emergency response management (mainly for marine oil spill response and cleanup), decision support system, human factor and risk assessment and analysis, simulation and optimization modelling development”

“ISCO membership provides many useful and latest information in marine and oil areas. And webinars help me have a better understanding of the current status and urgent challenges in my research areas. And the members are friendly and kind to provide their experience. I would like

to share my limited experience and knowledge with new master's and Ph.D. students to help speed up their research”.

For more information about Student Membership of ISCO please contact ISCO Student Group Leader, Balogun Kayode peter at balogunkayodepeter@yahoo.com or Mary Ann Dalgleish at mrydetroit@aol.com Student Memberhip of ISCO is free for students during the period of their studies and upon completion they have an option to join ISCO as Individual Members.

ISCO AT SPILLTECH CONFERENCE & EXHIBITION AT GOA IN INDIA

Captain D. C. Sekhar, Managing Director of AlphaMERS and Member of ISCO Council for India will be speaking at the Conference being held at Goa on 21-23 September 2022. His presentation on Marine Debris will be at 4 pm on 23rd September.

ISCO will be in the Exhibition area and you are invited to visit and learn more about ISCO's current activities.

SpillTech will cover a wide range of topics revolving around prevention, mitigation & probable solutions to save the environment from any catastrophic disasters. Apart from the policy & regulatory updates, the event topics will revolve around Oil & Chemical Spills, Ocean Debris, Waste & Solid Waste Management, Shoreline Clean-up and Risk mitigation. This is an event that is well worth attending and ISCO is proud to be a supporter of the event and its Theme of Conserving the Environment by the Sustainable Use of Marine Resources.

[Download the updated Conference Programme](#) For ISCO Members a 10% discount on Registration Fee. <http://spilltech.org/>



**YOU CAN PLACE AN
ADVERTISEMENT
HERE**

For information contact
Mike Watson at
spillcontrol@mwadigital.com

RWANDA, NORWAY LAUNCH COALITION TO END PLASTIC POLLUTION BY 2040

August 22- The Governments of Rwanda and Norway have launched the High Ambition Coalition to end plastic pollution.

Canada, Peru, Germany, Senegal, Georgia, Republic of Korea, UK, Switzerland, Portugal, Chile, Denmark, Finland, Sweden, Costa Rica, Iceland, Ecuador and France are among countries that have joined the coalition.

The High Ambition Coalition, launched on Monday August 22, 2022 was first initiated following the historic UN Environment Assembly resolution passed in March 2022 to start negotiations of an international legally binding instrument to end plastic pollution. The New Times / [Read more](#)

IMO SECRETARY-GENERAL TO VISIT UKRAINE

August 26 - IMO Secretary-General Kitack Lim is scheduled to visit the port of Odesa on Monday (29 August), to see at first-hand the implementation of the Black Sea Grain Initiative and hear how ship safety and port management is being implemented. IMO Secretary-General Lim is expected to board a ship and speak to seafarers. The IMO Secretary-General will be hosted by the Ministry of Infrastructure of Ukraine. IMO / [Read more](#)

STRENGTHENING NATIONAL OIL SPILL CONTINGENCY PLANS IN THE CARIBBEAN

August 27 - The latest activities in IMO's ongoing work to support Caribbean small island developing States (SIDS) on oil spill contingency planning have taken place in Dominica (16-18 August) and the Dominican Republic (22-24 August).

The in-person workshops provided support on each State's National Oil Spill Contingency Plan (NOSCP) – which is the foundation for an effective and sustainable oil spill preparedness and response framework – and effective implementation of the International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC) Convention.

The activities were aimed at relevant stakeholders and government personnel involved in responding to oil pollution incidents. These officials were provided with the knowledge needed to make the NOSCP appropriate for responding to oil spill incidents and to make necessary updates by identifying gaps and shortcomings within their national plans.

Both workshops incorporated table-top and discussion-based exercises to build capacity and test response systems to identify areas that require further development. The use of ARPEL's RETOS tool, which was developed with support from IMO, will result in a gap analysis of the level of preparedness for Dominica and the Dominican Republic. IMO / [Read more](#)

AERIAL SURVEILLANCE AND REGIONAL CO-OPERATION REMAIN KEY IN DETECTING OIL SPILLS IN THE BALTIC SEA

August 29 - Last year, 52 harmful spills of mineral oil were detected in HELCOM countries' waters, according to the Annual report on discharges observed during aerial surveillance in the Baltic Sea 2021. The long-term decreasing trend is remarkable, as in the starting year of aerial surveillance of spills in 1989, 763 pollution occurrences were reported.

"The decreasing number of harmful spills in the Baltic is likely a re-sult of intensive aerial surveillance, even if the density of shipping has grown. It acts as a deterrent, as the vessels are aware that they are constantly being watched", comments Markus Helavuori, Professional Secretary of HELCOM. HELCOM / [Read more](#)

COASTAL RESILIENCE IS THE THEME OF THE 2022 EDITION OF MEDITERRANEAN COAST DAY

August 29 - [Mediterranean Coast Day \(25 September\)](#) is an annual observance introduced by the Mediterranean Action Plan of the UN Environment Programme (UNEP/MAP). [PAP/RAC](#), the UNEP/MAP Regional Activity Centre dedicated to the protection and sustainable management of the coastal zones, introduced Mediterranean Coast Day within the framework of the [Integrated Coastal Zone Management \(ICZM\) Protocol](#) to the Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention).

The date of 25 September was selected for this observance to commemorate the first ratification of the ICZM Protocol by Slovenia. The official Mediterranean Coast Day ceremony will take place on 28 September 2022 in Tangier, Morocco, with the participation of H.E. Dr Leila Benali, Minister of Energy Transition and Sustainable Development of Morocco. UNEP MAP / [Read more](#)

AUSTRALIA: EPA RUNS INSPECTION BLITZ ACROSS VICTORIA, AFTER 'SHOCKING' CHEMICAL SPILL

August 28 - The EPA had a team in Bacchus Marsh for days last week, running unannounced checks on 30 industrial businesses — everything from mechanics to panel beaters to manufacturing sites.

About 2 kilometres from the Werribee River, the inspectors file into an industrial business. They are there to check how it is storing any liquid chemicals and protecting storm water drains from run off.

Mr Miezis has a simple philosophy when it comes to drains — he reckons only rainwater should be flowing through them. "Anything else, whether it is soap or coolant, it ultimately gets from our stormwater drains into our river system and can have pretty catastrophic impact on the local ecology, fish, plants and our enjoyment as people of these waterways," he says. ABC News / [Read more](#)

AUSTRALIA: MARINE INCIDENT REPORTS AND SAFETY PUBLICATIONS

August 30 - Incident reporting is a collective effort by crew, vessel operators and vessel owners to make the industry and vessels safer places to work. The real value of incident reporting and the resulting analysis is the development of more effective guidance and advice for owners, operators and crews to avoid similar events in the future.

We distribute regular newsletters and alerts that address issues related to the outcomes of incident reports. [Subscribe now](#) to access these publications. Don't ignore it, report it. Your experiences help us develop improved safety education. [Find out more about incident reporting.](#)

CANADA: MINISTERIAL STATEMENT ON PROVINCIAL AND TERRITORIAL PROTECTION ON NATURE COLLABORATION AHEAD OF COP15

August 30 - The Minister of Environment and Climate Change, the Honourable Steven Guilbeault, issued the following statement in response to the work by provinces and territories to protect nature and biodiversity.

"Protecting the species and natural spaces that Canadians love is important for communities from coast to coast to coast and for our whole planet. It is foundational to our efforts to combat the twin crises of biodiversity loss and climate change.

"Today, I am extending an invitation to all my provincial and territorial counterparts to join me as part of the Canadian delegation at the 15th meeting of the Conference of the Parties (COP15) to the United Nations Convention on Biological Diversity this December.

"I am also calling on them to join me in publicly supporting our ambitious goals to protect nature and biodiversity with continuing contributions from within their own jurisdictions. I have proposed we host a virtual meeting this fall to collaborate on the advancement of our shared goals ahead of COP15. Government of Canada / [Read more](#)

CANADA: COAST GUARD REMOVES ANOTHER HAZARDOUS VESSEL TO PROTECT COASTAL ECOSYSTEMS

August 31 - The Government of Canada is committed to removing vessels that pose a threat of pollution to the marine environment, impact coastal communities and pose a health and safety risk to Canadians. The Canadian Coast Guard is proud to report that another large hazardous ship has been removed and is no longer a threat to the marine environment.

The F/V Hydra Mariner was a 38 metre steel fishing vessel which went aground in Wrights Cove near Dartmouth, Nova Scotia during adverse weather conditions in January 2021. The vessel was assessed and considered a pollution risk to the environment. The local community and environmental response teams were pleased to see the abandoned vessel successfully dismantled and towed away in August 2022. Coast Guard / [Read more](#)

DOMINICA: MINISTRY OF TOURISM HOSTS WORKSHOP ON OIL SPILL NATIONAL CONTINGENCY PLANNING

August 26 - The Ministry of Tourism, International Transport, and Maritime Initiatives of Dominica hosted the workshop on Oil Spill National Contingency Planning at Jungle Bay. The workshop organized for three days as it is started on August 16, 2022, and ended on August 18, 2022. The workshop has been jointly organized by the International Maritime Organization (IMO), the Ministry of Tourism and RAC/REMPEITC. Associates Times / [Read more](#)

EGYPT: FOCUS ON AFRICA PRIORITIES FOR COP 27

August 25 - H.E. Minister of Environment in Egypt, Dr. Yasmine Fouad held a virtual meeting, today, with Mary Robinson, Former head of the UNHCR, the Chair of Elders (an independent group of global leaders working together for peace, justice and human rights). The meeting focused on Africa priorities to COP 27. As for this target, Dr. Fouad begins by thanking so much Mary Robinson for her support to COP27. EEAA / [Read more](#)

FINLAND: INVESTIGATION OF A POSSIBLE HIGH-RISK SHIPWRECK IN UTÖ WATERS

August 29 - The marine research vessel Aranda is on the southeast side of Utö this week. A preliminary investigation of the tugboat Simson, which sank in 1978, is underway for a possible oil removal operation.

The Finnish Environment Institute is investigating a possible high-risk shipwreck southeast of Utö, close to the Archipelago National Park, during week 35.

The vessel in question is a tugboat called Simson, built in 1915 and still used in the 1970s. The vessel was overhauled in 1971 and sank in 1978. The wreck is estimated to contain 25,000 litres of light fuel oil SYKE / [Read more](#)

GERMANY: LECTURE FOR STUDENTS OF THE IFLOS SUMMER ACADEMY



August 26 - The Director, Gaute Sivertsen, was invited by the International Foundation for the Law of the Sea (IFLOS) to deliver a lecture to students of the Foundation's annual summer academy on 24 August 2022. The four-week academy course, which takes place at the premises of the International Tribunal for the Law of the Sea in Hamburg, Germany, covers issues of international law of the sea and maritime law, and attracts a range of participants, such as diplomats, practitioners, PhD students, etc.

Mr Sivertsen delivered a lecture on compensation for oil pollution damage, in which he explained the legal framework behind the international liability and compensation regime, the role of the IOPC Funds and the recent and future challenges it faces as an organisation. He also gave an overview of other key international liability conventions and national systems that exist for compensating victims of oil pollution damage. IOPC Funds / [Read more](#)

INDONESIA ANNOUNCES PLAN TO PROTECT 10% OF ITS SEAS BY 2030, AND 30% BY 2045

August 26 - Indonesia plans to expand protection of its seas to cover an area nearly the size of Germany by 2030 — and then tripling it by 2045.

The country currently has 284,000 square kilometers (110,000 square miles) of marine area under protection, and plans to increase this to 325,000 km² (125,000 mi²) by the end of this decade, or 10% of its total territorial waters, the fisheries ministry has announced. The move is part of the country's contribution to the global "30 by 30" conservation goal, which aims to protect 30% of the world's seas and lands by 2030.

From 2030 to 2045, the government plans to triple the marine protected area coverage to 975,000 km² (376,000 mi²). Mongabay / [Read more](#)

JORDAN MAY NEED SPECIALIST HELP TO CLEAN UP AQABA OIL SPILL

August 29 - Jordanian authorities are still working to clean up oil that leaked from ship two weeks ago and washed up in a marine reserve along its Aqaba coast on the Red Sea, officials and residents said.

After announcing that the August 14 spill in Jordanian territorial waters was minor and would be contained within hours, state television said on Sunday that 11 tonnes of spilled fuel oil caused "damage to a number of piers at the container terminal and the passenger port and to a number of Aqaba's southern beaches". State television said the leak "spread to large areas over three days because of the wind and waves, and a large proportion reached the beaches". National News / [Read more](#)

KOREA: KOEM CONDUCTS SHORELINE CLEANUP ACTIVITY IN SEOUL

A poster to publicize the 3rd National Beach Plogging Campaign and Conducts Cleanup Activity at coastal areas, being conducted by Korea Marine Environment Management Corporation (KOEM).

August 29 - Korea Marine Environment Management Corporation (KOEM) conducted the third National Beach Plogging Campaign in Incheon, South Chungcheong Province, Tongyeong and Mokpo on Aug. 20.

The third plogging campaign was held in four areas — Minmeoru Beach on Ganghwa Island, Incheon, Chunjangdae Beach in Seocheon, South Chungcheong Province, on Eido Island in Tongyeong, and Geumhwa-dong Beach in Mokpo — wipers, Human in Love small action and TG KFEM.

The event was prepared to commemorate the 7IMDC to be held at BEXCO in Busan in September. Newsworld / [Read more](#)



KUWAIT CLEAN-UP PACKAGE DIALOGUE CONTINUES

August 31 - The technical clarification process is ongoing for the second soil remediation project for cleaning up spilt oil contaminants in the south of Kuwait.

The project is known as the second South Kuwait Excavation, Transportation and Remediation Project (SKETR-2). It has been split into three zones and the total value of the three lowest bids is \$455.2m. The packages will process 8.5 million cubic metres of contaminated soil. The clarification process is expected to take one month or more, according to industry sources. The anticipated award will boost the Kuwait projects market, which has underperformed this year. MEED / [Read more](#)

NIGERIA: UNEP SUPPORT PROJECT TO HYREP – JULY 2022 NEWSLETTER

Content includes articles – Mission Outputs, Progress and Training Reports – [Download the Newsletter](#)

NIGERIA: MOSOP WARNS SHELL AGAINST COVERING UP FREQUENT SPILLS IN OGONI

August 29 - The Movement for the Survival of Ogoni People (MOSOP) has warned the Shell Petroleum Development Company (SPDC) of Nigeria Limited not to cover-up the cause of the fresh oil spills in Ogoniland by blaming innocent communities over their own business failures.

Recall that the Dutch oil multinational has experienced two leaks in close proximity on the Trans Niger Pipeline within Bodo, Gokana Local Government Area of Rivers State, within 21 days. The first spill, Shell admitted was caused by operational failure.

Factional President of MOSOP, Fegalo Nsuke, expressed shock that a fresh oil spill occurred on Shell's facility in just three weeks after a burst pipe spilt crude into the same community from the same Shell's facility. The Tide / [Read more](#)

NIGERIA: OIL SPILL INCIDENTS DECLINE BY 13.5%

August 29 - The National Oil Spill Detection and Response Agency (NOSDRA) has disclosed that a minimum of 383 oil spill incidents were recorded in 2021, lower than the 443 spills recorded in 2020 by 13.5 per cent.

In its latest oil spill report, NOSDRA stated that 33 of the 383 publicly available oil spill records for 2021 were not visited by a joint investigative team, while 122 of these spills had no estimated quantity provided by the company operating the assets from which the spills occur. Business Post / [Read more](#)

NIGERIA: PHOTOS: Ogonis in Rivers Scoop Gushing Crude Oil, Risk of Explosion

August 30 - Imminent explosion looms as residents of Bodo community in Gokana local Government Area of Ogoniland in Rivers State risked (and still do) their lives to scoop gushing crude oil from spill sites of burst Trans Niger Delta Pipeline (TNP).

The latest reports from the area show that villagers are taking turns to scoop the crude oil which is the second spill in the month of August highly inflammable and capable of causing massive explosion.

Residents of Bodo community in Gokana local government area in Ogoniland of scoop gushing Crude oil at spill sites(the second in August) that occurred Wednesday, August 24 The latest spill was reported to have occurred in Bodo in the late evening of Wednesday, August 24, 2022, while the first was August 2. The News / [Read more](#)

SRI LANKA RECEIVES \$2.5M IN INTERIM COMPENSATION FOR X-PRESS PEARL



Photo from Sri Lanka Ports Authority

August 29 - More than 14 months after the X-Press Pearl was lost nearly 10 nautical miles off Colombo, Sri Lanka the clean-up continues with additional insurance compensation being paid out to the country to be used to compensate fishermen that lost their work due to the wreck.

At the same, the government is continuing its legal claims while reporting it expects it will be years before all the cleanup is completed.

The container ship X-Press Pearl caught fire while anchored off Colombo in May 2021. The fire burned for nearly two weeks and when salvage teams attempted to

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

tow the vessel out to deep water it sunk, contributing to the largest environmental disaster in Sri Lanka's history. Millions of pounds of nurdles, a small plastic pellet used in the production of plastic, were dumped into the ocean and washed up on the country's beaches.

Minister of Fisheries Douglas Devananda of Sri Lanka reported that it has received the third and largest interim payment from the insurance company. The payment recently sent to the ministry totaled approximately \$2.5 million. They had previously received two interim payments, each valued at just under \$1 million. To date, the insurance company has provided a total of nearly \$3.6 million in interim payments. The ministry reports they are being dispersed to more than 15,000 fishermen that are unable able to fish in four western regions of the country.

Work to remove sections of the X-Press Pearl is due to resume later this year after the current monsoon season. Starting late last year, loose debris was being removed while a survey was completed of the seafloor and the first stage of the wreck removal began. The salvage team reported the vessel has cracked midships, which resulted in a change to the salvage plan. They were attaching lifting wires under the hull earlier this year and working to remove the accommodation block. The Maritime Executive / [Read more](#)

USA: KANSAS CAPPING 2,352 OIL AND GAS WELLS

August 26 - The Department of the Interior announced Friday that it has awarded an initial \$560 million from President Biden's Bipartisan Infrastructure Law to 24 states to begin work to plug, cap and reclaim orphaned oil and gas wells.

Kansas has the highest number of uncapped oil and gas wells in the country and is one of the eligible states that will be receiving \$38 million through 2022 for legacy pollution cleanup, of which \$25 million will go to capping 2,352 wells. MSN / [Read more](#)

USA: EPA PROPOSED DESIGNATION OF PERFLUOROCTANOIC ACID (PFOA) AND PERFLUOROCTANESULFONIC ACID (PFOS) AS CERCLA HAZARDOUS SUBSTANCES.

EPA is proposing to designate two per- and polyfluoroalkyl substances (PFAS) -- perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), including their salts and structural isomers -- as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), also known as Superfund. This proposed rulemaking would increase transparency around releases of these harmful chemicals and help to hold polluters accountable for cleaning up their contamination. The rulemaking would require entities to immediately report releases of PFOA and PFOS that meet or exceed the reportable quantity to the National Response Center, state or Tribal emergency response commission, and the local or Tribal emergency planning committee (local emergency responders). To learn more, please visit <https://www.epa.gov/superfund/proposed-designation-perfluorooctanoic-acid-pfoa-and-perfluorooctanesulfonic-acid-pfos>

USA: USCG PREPARES TO RECOVER SUNKEN FISHING VESSEL FROM HARO STRAIT



Photo courtesy of US Coast Guard

August 28 - The U.S. Coast Guard and Global Diving and Salvage are preparing to raise the wreck of a commercial fishing vessel that went down in Haro Strait on August 13.

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

The fishing vessel Aleutian Isle began taking on water near Sunset Point on the west side of San Juan Island at about 1400 hours on the 13th. The Coast Guard received a report that the vessel needed assistance and dispatched a helicopter, a response boat and a small cutter. All personnel aboard the vessel were rescued safely, and it sank shortly after; it had about 2,600 gallons of diesel and oil on board, and a sheen of nearly two miles in length was visible by 1700 hours. The Maritime Executive / [Read more](#)

USA: NATIONAL TANKS CONFERENCE & EXPOSITION

August 29 - 27th National Tanks Conference & Exposition - Pittsburgh, PA, September 13-15, 2022. NEIWPCC is co-sponsoring the conference in partnership with U.S. EPA's Office of Underground Storage Tanks (OUST) and the Association of State and Territorial Solid Waste Management Officials (ASTSWMO). Anticipated topics of the plenary sessions and posters include innovative cleanup technologies and approaches to address leaking underground storage tanks (LUSTs), such as green remediation and high resolution site characterization tools; development of LUST conceptual site models addressing emerging contaminants; and alternative fuels stored in underground storage tanks. For more information, please visit <https://neiwppc.org/our-programs/underground-storage-tanks/national-tanks-conference/>

USA: INTERNATIONAL AIR RESPONSE ADDS B757-200



BOEING B757-200 Photo courtesy of Boeing

August 29 - International Air Reponse (Coolidge) has taken delivery of its first B757-200(C) which it plans to use for oil spill emergency response flights by the end of 2022.

N755AR (msn 27259) is a 28.4-year-old jet which used to be operated by China Southwest Airlines and Air China, the ch-aviation fleets history module indicates. It has been stored at Roswell since 2010 and was re-registered to International Air Response in February 2021. The special operations company said on its website that the B757's induction is planned for the fourth quarter of 2022. Ch-Aviation / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

August 29 – Please click on the links below to download and read the latest News Reports from NOAA OR&R

[Great Lakes Coast Guard Oil Spill Center of Expertise Grand Opening | response.restoration.noaa.gov](https://response.restoration.noaa.gov)



NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

Last week, OR&R Director Scott Lundgren and Senior Scientist Lisa DiPinto joined the U.S. Coast Guard, NOAA's Great Lakes Environmental Research Laboratory (GLERL) Director Deborah Lee and others for the ribbon cutting ceremony for the grand opening of the Great Lakes National Center of Expertise (NCOE).

[Coastal Response Research Center Hosts Visit by NOS Assistant Administrator Nicole LeBoeuf | response.restoration.noaa.gov](https://response.restoration.noaa.gov)

On Aug. 18, scientists from the [Coastal Response Research Center at University of New Hampshire\(link is external\)](#) hosted Nicole LeBoeuf, National Ocean Service assistant administrator, and Chrissy Hayes after their visit to the [Center for Coastal and Ocean Mapping / Joint Hydrographic Center\(link is external\)](#).

[Marine Debris Program Participates in Asia Pacific Economic Cooperation forum Oceans and Fisheries Working Group Meeting | response.restoration.noaa.gov](https://response.restoration.noaa.gov)

On Aug. 17-18, 2022, NOAA Marine Debris Program staff served on the United States delegation to the 19th meeting of the Asia Pacific Economic Cooperation (APEC) Oceans and Fisheries Working Group.

PEOPLE IN THE NEWS NEWS

A HAPPY RETIREMENT TO JOE PADILLA

Dr. Jose Padilla of UNDP was recognized for his long-standing support and guidance in transforming PEMSEA into a successful international organization fostering healthy and resilient coasts and ocean.

He was instrumental in the approval of high-impact regional projects, including Scaling up the Implementation of the SDS-SEA, ATSEA-2, Sulu-Celebes Sea Sustainable Fisheries Management Project, West Pacific East Asia Projects, and Yellow Sea Large Marine Ecosystem Project. Read more from [PEMSEA](#).

OBITUARIES

BRAZIL: FEDERAL POLICE DELEGATE ROBERTO MOREIRA DA SILVA FILHO

August 27 - The Brazilian Institute of the Environment and Renewable Natural Resources (IBAMA) regrets the death of federal police (PF) delegate Roberto Moreira da Silva Filho, on Saturday (27), in the fulfillment of the mission to combat environmental crimes in Mato Grosso (MT).

The pf action that resulted in the fatality occurred in conjunction with Ibama, through Operation Guardians of the Biome. Roberto was head of the Police Department for the Suppression of Crimes against the Environment and Historical Heritage (Delemaph/MT).

Ibama pays its deepest condolences to family and friends.

<https://www.gov.br/ibama/pt-br/assuntos/notas/2022/nota-de-pesar-delegado-da-policia-federal-roberto-moreira-da-silva-filho>

THE GEF: IN MEMORIAM: GUSTAVO FONSECA



Photo: Gustavo Fonseca, GEF Secretariat, 62nd meeting of the GEF Council. June 21, 2022

August 31 - The Global Environment Facility mourns the loss of renowned tropical scientist Gustavo Fonseca, its long-standing Director of Programs, who passed away on August 31, 2022.

Gustavo spent his career staring down the planet's biggest environmental challenges with his optimism and pragmatism intact, an approach that won him friends and accolades the world over.

A leading figure in the world of conservation for more than 30 years, Gustavo worked with, trained, and hired hundreds of conservationists, many of whom considered him a mentor. Colleagues across

the GEF partnership remember Gustavo for his wit, warm humor, and kindness, and for the passion that made him a tireless advocate for the protection of wild spaces and species.

Throughout his professional life, Gustavo was an ardent champion of protected spaces for biodiversity, such as the Amazon Regional Protected Areas program and the Mata Atlantica Biosphere Reserve. He relished the opportunity to visit both the Amazon program and conservation initiatives in the Galapagos islands earlier this year. GEF / [Read more](#)

NEWS FROM ISCO MEMBERS

Corporate Members and Industry Partners of ISCO can submit news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter. This is a free facility for Corporate Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 50 countries, it’s a cost-effective way to promote your organisation.

If you have some news you would like to share with readers of the ISCO Newsletter, send it to John.McMurtrie@spillcontrol.org

EPE LAUNCHES INVENTORY OF HAZARDOUS MATERIALS MANAGEMENT PLATFORM

August 31 - Environmental Protection Engineering (EPE), a leading supplier of environmental protection services and products, has launched HAZDASH – an intelligent cloud-based platform which allows the Inventory of Hazardous Materials (IHM) onboard a ship to be kept fully up to date.

Managed by highly trained and experienced Hazardous Material experts, the new cost-effective platform ensures regulatory compliance by streamlining the IHM maintenance process for both shipowners and suppliers.

With information available in real-time, shipowners and vessels can ensure a fleet’s IHM remains up to date and can easily access and download the required documentation at any time. HAZDASH can be connected to a vessel’s enterprise resource planning (ERP) system to instantly notify users of new orders and once an order has been placed the system automatically contacts suppliers to request the required IHM documents. HAZDASH also creates an online library of all incoming Material Declarations (MDs) and Suppliers Declaration of Conformity (SDoCs) with the relevant Purchase Order information that shipowners and vessels can access. The Maritime Executive / [Read more](#)

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS



A COLUMN CREATED BY DR. MERV FINGAS, MEMBER OF ISCO COUNCIL

This is part of a weekly column which provides the references and abstracts of new peer-reviewed scientific publications on oil spills. These references are selected on the basis of those papers that provide new insights into the fate, effects and control of oil spills. Readers may choose to obtain the full publications and to do so, one of three methods is suggested; contact your library, search the internet with the DOI (digital object identifier) provided, or search the internet for the exact title. These are given in the order of likely success in obtaining the article. Merv Fingas, ISCO Colleague.

121. RNA Sequencing of Lake Charr Epidermal Mucus to Assess Molecular Effects of Diluted Bitumen Exposure in a Boreal Lake

Andrzejczyk, N.E., Palace, V.P., Hrenchuk, L., Peters, L., Schlenk, D.
(2022) *Frontiers in Environmental Science*, 10, art. no. 836640,
DOI: 10.3389/fenvs.2022.836640

ABSTRACT: Transport of diluted bitumen (dilbit) from Canada’s oil sands region poses risk for leaks and spills of petroleum-derived contaminants into the environment. Exposure of fish to dilbit is known to cause cardiotoxicity, developmental deformities, and impairment in swim performance. However, previous studies have examined the toxicity of dilbit in laboratory settings which does not account for environmental and biological food-web variables that may alter exposure and/or toxicity of dilbit. Moreover, most methods of assessing organism health following oil exposure require lethal sampling. This work is a part of a larger set of experiments where dilbit spills were simulated within enclosures on a lake; the present study assesses the impacts of residual levels of dilbit that may have entered the surrounding lake environment from the enclosures following model spill cleanup. In order to understand the impacts of residual dilbit in an ecosystem setting without use of lethal sampling, epidermal mucus was collected and sequenced from lake charr (*Salvelinus namaycush*) exposed to residual dilbit in a boreal lake. While concentrations reached a maximum of 2.29 µg/L total polycyclic aromatic compounds (ΣPAC) within surface waters, surface water ΣPAC concentrations generally remained below 1 µg/L. Results of RNA sequencing were compared to sequencing data from mucus collected prior to dilbit additions. Differential gene expression and pathway analyses indicated dysregulation of genes associated with intermediary and energy metabolism as well as a trend in upregulation of *cyp1a3* in epidermal mucus following dilbit exposure. Thus, results of the present study suggest that lake charr undergo consistent biological responses after exposure to residual levels of dilbit following a model spill, and that mRNA-based analysis of mucus may be a viable method for non-lethal oil exposure assessment. Overall, the results provide insight on the response of wild fish to very dilute dilbit exposures after a model spill cleanup.

122. Spill behaviours of pipeline-transportable processed bitumen products in fresh water

Xin, Q., Hounjet, L.J., Hartwell, A. (2022)
Fuel, 309, art. no. 122040,
DOI: 10.1016/j.fuel.2021.122040

ABSTRACT: Bitumen extracted from Canada's oil sands resources is an abundant, unconventional crude oil used to produce liquid fuels. To permit its transportation by transmission pipelines from production sites to upgraders and refineries, the highly-viscous bitumen must first be blended with up to 50 vol% of light oil (“diluent”) to produce a diluted bitumen (DB) with sufficiently low viscosity and density. Diluents occupy substantial pipeline capacity, and are relatively expensive, so Canada is developing “partial upgrading” processes to reduce the diluent content of pipeline-transportable bitumen products. Such processes lower bitumen's density and viscosity by removing some portion of its heaviest, asphaltene-rich fraction by, for instance, solvent-induced separation and/or thermochemical conversion. Thus, processed bitumen products (PBPs) require less diluent to meet specifications for transmission pipeline transportation. We compare the minimum diluent content requirements of several PBPs meeting such specifications for density ($\leq 940 \text{ kg/m}^3$ at $15.0 \text{ }^\circ\text{C}$) and viscosity ($\leq 350 \text{ cSt}$ at a pipeline temperature of $10.6 \text{ }^\circ\text{C}$, selected on the basis of DB viscosity measurements). In this work, PBPs meeting pipeline transportation specifications are prepared by visbreaking and/or solvent-deasphalting of bitumen followed by dilution with 32–47 wt% less diluent than the corresponding unprocessed DB. Public concern about environmental risks associated with spillage of emerging PBPs during transportation has spurred investigations of these products' interactions with water. With little currently known about their aquatic behaviours, we evaluate the emulsification and dispersion tendencies of pipeline-transportable PBPs after mixing these with fresh water following a reported protocol, and compare these results with those for DB, bitumen-derived synthetic crude (SC) oil, and conventional crude (CC) oil. The characteristics of floating water-in-oil emulsions are shown to depend upon the oil's asphaltene content and thermochemical process history. At high mixing energy, dispersed oil content within the water column is seen to increase with oil resin-to-asphaltene ratio. In the aquatic system employed, oil content of the water column is greatest for SC, followed by solvent-deasphalted products and DB, followed by only-vis-broken product and CC. These results may aid in the development of oil spill behaviour models and response plans needed for transporting PBPs.

123. Mesopelagic microbial community dynamics in response to increasing oil and Corexit 9500 concentrations

Ajandal, S., Doyle, S.M., Bera, G., Wade, T.L., Knap, A.H., Sylvan, J.B. (2022)
 PLoS ONE, 17 (2 February), art. no. e0263420,
 DOI: 10.1371/journal.pone.0263420

ABSTRACT: Marine microbial communities play an important role in biodegradation of subsurface plumes of oil that form after oil is accidentally released from a seafloor wellhead. The response of these mesopelagic microbial communities to the application of chemical dispersants following oil spills remains a debated topic. While there is evidence that contrasting results in some previous work may be due to differences in dosage between studies, the impacts of these differences on mesopelagic microbial community composition remains unconstrained. To answer this open question, we exposed a mesopelagic microbial community from the Gulf of Mexico to oil alone, three concentrations of oil dispersed with Corexit 9500, and three concentrations of Corexit 9500 alone over long periods of time. We analyzed changes in hydrocarbon chemistry, cell abundance, and microbial community composition at zero, three and six weeks. The lowest concentration of dispersed oil yielded hydrocarbon concentrations lower than oil alone and microbial community composition more similar to control seawater than any other treatments with oil or dispersant. Higher concentrations of dispersed oil resulted in higher concentrations of microbe-oil microaggregates and similar microbial composition to the oil alone treatment. The genus *Colwellia* was more abundant when exposed to multiple concentrations of dispersed oil, but not when exposed to dispersant alone. Conversely, the most abundant *Marinobacter* amplicon sequence variant (ASV) was not influenced by dispersant when oil was present and showed an inverse relationship to the summed abundance of *Alcanivorax* ASVs. As a whole, the data presented here show that the concentration of oil strongly impacts microbial community response, more so than the presence of dispersant, confirming the importance of the concentrations of both oil and dispersant in considering the design and interpretation of results for oil spill simulation experiments.

124. Effects of Oil and Sediment Properties and Mixing States on the Formation and Settling of Oil-Particle Aggregates

Yu, Y., Xiong, D., Qi, Z., Li, W., Sun, R., Fu, S. (2022)
 Journal of Geophysical Research: Oceans, 127 (2), art. no. e2020JC016896,
 DOI: 10.1029/2020JC016896

ABSTRACT: Understanding the interaction of oil droplets with suspended particulate matter is important not only for sunken oil modeling but also for emergency response. In this study, the effects of mixing time and energy, oil type, and sediment concentration and size on the oil content, morphology, and density of oil-particle aggregates (OPAs) were investigated through a series of wave tank experiments and sedimentation tests. The results showed that loads of oil and particles in OPAs are high under high mixing energy. Under turbulent hydrodynamics, moderately viscous oils form OPAs more easily and sink rapidly to the seabed. Moreover, an increase in the density and oil capacity of OPAs is observed at a higher sediment concentration. More oil is captured by finer sediments. However, the corresponding oil-sediment aggregates generally show lower density compared with those formed by larger sediments. The oil-seawater interfacial tension (IFT_{ow}) diminishes with the addition of sediments, further promoting oil dispersion. The increasing duration and mixing energy produce more flake OPAs and multiple-droplet OPAs. Oil droplets tend to be surrounded by several small particles but attach to the surface of large particles. Regardless of oil type and sediment concentration, the structure of OPAs does not change significantly.

125. Sunlight-driven dissolution is a major fate of oil at sea

Freeman, D.H., Ward, C.P. (2022)
 Science Advances, 8 (7), art. no. eabl7605,
 DOI: 10.1126/sciadv.abl7605

ABSTRACT: Oxygenation reactions initiated by sunlight can transform insoluble components of crude oil at sea into water-soluble products, a process called photo-dissolution. First reported a half century ago, photo-dissolution has never been included in spill models because key parameters required for rate modeling were unknown, including the wavelength and photon dose dependence. Here, we experimentally quantified photo-dissolution as a function of wavelength and photon dose, making possible a sensitivity analysis of environmental variables in hypothetical spill scenarios and a mass balance assessment for the 2010 Deepwater Horizon (DwH) spill. The sensitivity analysis revealed that rates were most sensitive to oil slick thickness, season/latitude, and wavelength and less sensitive to photon dose. We estimate that 3 to 17% (best estimate 8%) of DwH surface oil was subject to photo-dissolution, comparable in magnitude to other widely recognized fate processes. Our findings invite a critical reevaluation of surface oil budgets for both DwH and future spills at sea.

126. Dispersed Crude Oil Induces Dysbiosis in the Red Snapper *Lutjanus campechanus* External Microbiota

Tarnecki, A.M., Miller, C., Sherwood, T.A., Griffitt, R.J., Schloesser, R.W., Wetzel, D.L.
 (2022) Microbiology Spectrum, 10 (1), art. no. e00587-21,
 DOI: 10.1128/spectrum.00587-21

ABSTRACT: The fish external microbiota competitively excludes primary pathogens and prevents the proliferation of opportunists. A shift from healthy microbiota composition, known as dysbiosis, may be triggered by environmental stressors and increases host susceptibility to disease. The Deepwater Horizon (DWH) oil spill was a significant stressor event in the Gulf of Mexico. Despite anecdotal reports of skin lesions on fishes following the oil spill, little information is available on the impact of dispersed oil on the fish external microbiota. In this study, juvenile red snapper (*Lutjanus campechanus*) were exposed to a chemically enhanced water-accommodated fraction (CEWAF) of Corexit 9500/DWH oil (CEWAF) and/or the bacterial pathogen *Vibrio anguillarum* in treatments designed to detect changes in and recovery of the external microbiota. In fish chronically exposed to CEWAF, immunoglobulin M (IgM) expression significantly decreased between 2 and 4 weeks of exposure, coinciding with elevated liver total polycyclic aromatic hydrocarbons (PAHs). Dysbiosis was detected on fish chronically exposed to CEWAF compared to seawater controls, and addition of a pathogen challenge altered the final microbiota composition. Dysbiosis was prevented by returning fish to clean seawater for 21 days after 1 week of CEWAF exposure. Four fish exhibited lesions during the trial, all of which were exposed to CEWAF but not all of which were exposed to *V. anguillarum*. This study indicates that month-long exposure to dispersed oil leads to dysbiosis in the external microbiota. As the microbiota is vital to host health, these effects should be considered when determining the total impacts of pollutants in aquatic ecosystems.

127. Toxicity to sea urchin embryos of crude and bunker oils weathered under ice alone and mixed with dispersant

DeMiguel-Jiménez, L., Etxebarria, N., Reinardy, H.C., Lekube, X., Marigómez, I., Izagirre, U. (2022)
 Marine Pollution Bulletin, 175, art. no. 113345,
 DOI: 10.1016/j.marpolbul.2022.113345

ABSTRACT: A multi-index approach (larval lengthening and malformations, developmental disruption, and genotoxicity) was applied using sea-urchin embryos as test-organisms. PAH levels measured in the under-ice weathered aqueous fraction (UIWAF) were lower than in the low-energy water accommodated fraction (LEWAF) and similar amongst UIWAFs of different oils. UIWAFs and LEWAFs caused toxic effects, more markedly in UIWAFs, that could not be attributed to measured individual PAHs or to their mixture. Conversely, UIWAF was less genotoxic than LEWAF, most likely because naphthalene concentrations were also lower. In agreement, NAN LEWAF, the most genotoxic, exhibited the highest naphthalene levels. Dispersant addition produced less consistent changes in PAH levels and embryo toxicity in UIWAFs than in LEWAFs, and did not modify LEWAF genotoxicity. Overall, under ice weathering resulted in lowered waterborne PAHs and genotoxicity but augmented embryo toxicity, not modified by dispersant application.

TRAINING COURSES

USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- EUROPE – EMSA Academy 2022. [Courses Catalogue](#)
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2022 calendar](#).
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)

TRAINING COURSES (CONTINUED)

- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL <https://www.tamucc.edu/research/nscs/>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>
- USA – ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS - https://www.ahmpnet.org/events/event_list.asp

Members who would like to be listed here, please contact your editor – john.mcmurtrie@spillcontrol.org

CERTIFICATE IN MARITIME SAFETY MANAGEMENT & THE ISM CODE

From Lloyds Maritime Academy - Course commences 28th September 2022. [More info](#)

UPCOMING EVENTS

TO VIEW UPCOMING EVENTS CLICK ON [HTTPS://SPILLCONTROL.ORG/UPCOMING-EVENTS/](https://spillcontrol.org/upcoming-events/)

To see ALL of the posted events you will need to click on “LOAD MORE” at the foot of each opened “upcoming events” page. Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed. Your Editor does his best to keep the listing up-to-date but it should not be assumed that listed events have not been cancelled or postponed. It is recommended that you check with event organisers before finalising your attendance plans. Please advise the Editor if any of the entries require correction or updating. If you are holding an event you would like to be featured here, please send details to John.mcmurtrie@spillcontrol.org

NEWLY ADDED TO THE UPCOMING EVENTS PAGE

- Korea – International Marine Debris Conference, Busan, 18-23 September
- Online Training Course – Remediation Management of Complex Sites, Sept. 22, 1 pm EDT
- Live Internet Seminar – Optimising Injection Strategies & in-situ Remediation Performance, Sept 13, EDT
- USA: National Tanks Conference, September 13-15, Pittsburgh
- Canada – Econext Conference 2022, October 20,, Newfoundland
- Netherlands – 2nd Envirotech for Shipping Forum, October 5-6, Rotterdam

RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- Singapore – Mepseas Technology Conference, November 15-17, 2022
- Electricity Substation Design & Oil Containment Solutions, September 13, 11am to 12 noon EDT
- EM OSR Knowledge Transfer Webinar “The BIOS & ITOSS Shoreline Field Experiments” Dr Ed Owens - September 6
- Lecture: NOAA OR&R 101 Series: Oil Spill Fate and Transport, Sept 15 1200 pm PDT
- OSRL: TPR Wheel Seminar Series – Shoreline Assessment Technique (SCAT) , Wednesday 28th September 1400 BST

WHEN YOU OPEN THE UPCOMING EVENTS PAGE YOU WILL SEE MANY MORE UPCOMING EVENTS

MESSAGES FROM EVENT ORGANISERS

INDIA: SPILLTECH CONFERENCE & EXHIBITION, 21-23 SEPTEMBER, 2022

To support the Sustainable Development Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development, SpillTech will cover a wide range of topics revolving around prevention, mitigation & probable solutions to save the environment from any catastrophic disasters. Apart from the policy & regulatory updates, the event topics will revolve around oil & chemical spills, Ocean Debris, Waste & Solid waste management, Shoreline cleanup, Risk mitigation & a few more.

[Download the updated Conference Programme](#) For ISCO Members a 10% discount on Registration Fee. <http://spilltech.org/>

FRANCE: SEA TECH WEEK 2022

Sea Tech Week®, Marine Science & Technology Conference - 26-30 September 2022, Brest, France – More info - <https://www.seatechweek.eu/>

CANADA: INTERNATIONAL OIL SPILL SCIENCE CONFERENCE 2022 – OCTOBER 4-7

IOSSC 2022 REGISTRATION IS OPEN -Attendees will be able to connect with the oil spill response community, government, industry, and academia to work together to deal with the challenges in the field of oil spill response. The conference will bring experts from around the world to present their latest research in the field of oil spill science including spill prevention, contingency planning, and environmental rehabilitation.

[Preliminary Conference Programme](#) [Registration](#) Website: <https://sites.events.concordia.ca/sites/mpri/en/international-oil-spill-science-conference-2022/> [View Official Event Video](#)

BAHREIN: RECISO ENVIROSPILL CONFERENCE & EXHIBITION, 11-13 OCTOBER 2022

<https://www.recsoenvirospill.org/>

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

USA: CLEAN GULF CONFERENCE & EXHIBITION – NOVEMBER 8-10, 2022

A full, printable program is now available for this year's CLEAN GULF Conference & Exhibition, taking place November 8-10 in New Orleans. Check out the digital program and see what we have planned for this year's CLEAN GULF!

[Download the Digital Brochure](#) [View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

ITALY: ECOMONDO EXPO, RIMINI, 8-11 NOVEMBER, 2022

Let's meet at Ecomondo! [Log in to the reserved area, fill in your data, download your ticket](#)

AUSTRALIA: ALGA GROUNDWATER FATE & TRANSPORT SYMPOSIUM

ALGA's Groundwater Fate & Transport Special Interest Group (SIG) is pleased to announce the 2022 Groundwater Fate & Transport symposium will be held in Melbourne on 18 November 2022. The symposium aims to share the latest insights, developments and applications for improving our understanding of contaminant behaviour in the environment.

<https://www.cvent.com/c/abstracts/e9e34139-c7a0-4969-88b9-e2cfb510baab>

USA: CALIFORNIA -10TH BIENNIAL OIL SPILL RESPONSE TECHNOLOGY WORKSHOP FEBRUARY/MARCH 2023

California Department of Fish and Wildlife Office of Spill Prevention and Response (OSPR) and Chevron 10th Biennial Oil Spill Response Technology Workshop February/March 2023 in California (TBD). Email or request more info: TechWorkshop2023@wildlife.ca.gov

NORWAY: NOSCA SEMINAR 2023: MARCH 20-24, 2023

The green shift challenges: New oils and new energy carriers. Marine littering. Biological threats [Registration](#)

USA: COLORADO - CLEAN WATERWAYS 2023: 11-13 APRIL, 2023

Registration has officially opened for the [2023 CLEAN WATERWAYS Conference](#), taking place at the Hilton Denver City Center Hotel in Denver, CO, on April 11-13. Registration rates are currently at a discount of \$350! These are the lowest rates offered for CLEAN WATERWAYS 2023 and expire on Friday, October 28th.

The CLEAN WATERWAYS program is developed by a government/industry-based committee of approximately 45 professionals, and the committee is looking for leaders to help shape the conference. All abstracts submitted are reviewed for content and relevance by the committee and are selected by consensus. [More News re conference & abstract submission](#) [Registration](#)

AUSTRALIA: BRISBANE - SPILLCON 2023: 11-15 SEPTEMBER 2023

We are delighted to announce that Spillcon 2023 has been confirmed for 11–15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, Australia. For more information contact Spillcon Event Team, Nicky Reading, GPO Box 279, Canberra ACT 2601, Australia; Phone +61 417 244 355, Email spillcon@aip.com.au

CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

This is a subscription service. <https://www.tender247.com/keyword/oil+spill+tenders+global>

OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey <https://clu-in.org/products/tins/> US EPA Tech Direct <https://clu-in.org/techdirect/archive/> and USA Federal Contracts Update <https://clu-in.org/Federal-Contract-Opportunities> European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter <https://www.emsa.europa.eu/newsroom/newsletters.html>

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

TO VIEW LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS PLEASE CLICK ON

<https://spillcontrol.org/2021/10/19/links-for-downloading-and-reading-other-publications/>

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS (CONTINUED)

As a service to its Members ISCO provides a listing of publications that may be of interest to our community. This page provides details and links for downloading more than 40 publications most of which can be accessed at no cost. This page is frequently updated. ISCO depends on regular receipt of updated URL links for listed publications. If these are not received, relevant entries will be discontinued. ISCO is currently looking for a volunteer to take care of maintaining, improving and updating this page.

INCIDENT REPORTS

GIBRALTER: BULKER GROUNDING OFF GIBRALTER BREAKS RAISING THREAT OF MAJOR OIL LEAK



Photo Courtesy of Gibraltar Port Authority

August 31 - Late today the Gibraltar Contingency Council set up to respond to the bulker damaged in a collision at the port officially declared a “major incident,” as the hull of the OS 35 ruptured and leaks have been spotted in the area. The declaration focused all the resources on managing the growing disaster while the neighboring port of Algeciras was briefed and assistance from Salvamento Maritimo was also requested.

Reports yesterday indicated that the bulker has suffered a gash on the starboard side of its 584-foot long hull that was estimated at nearly 33 feet in length and 13 feet in height. The bow of the vessel settled four feet into the sandy seabed while the stern remained afloat increasing the pressure on the hull. The Gibraltar Government warned that it increased the likelihood of further damage to the hull and was preparing for it while salvage teams also surveyed the damage. The Maritime Executive / [Read more](#)

August 31 - Salvors in a race against time to save grounded bulk carrier off Gibraltar - Salvors are in a race against time to remove fuel oil from a grounded bulk carrier off Gibraltar and attempt a refloating operation. TradeWinds is told that the shear forces acting on the hull of the 35,362-dwt OS 35 (built 1999), in its grounded condition, are already substantially in excess of the maximum allowed. “Time is critical to prevent further damage to the hull,” said one salvage expert, who explained that further deterioration of the hull strength could make a refloating operation difficult. Trade Winds / [Read more](#)

September 1 - Broken Bulk Carrier OS 35 Leaks Fuel Oil Off Gibraltar - The broken bulk carrier OS 35 is leaking heavy fuel oil just off the east coast of Gibraltar. The oil spill was reported Thursday and some has escaped the boomed perimeter surrounding the vessel. The salvage team has pinpointed the source of the leak to two tank vents in the ship’s bunker tanks. All vents had previously been sealed but the splitting of the ship resulted in the release.

The Gibraltar Ports Authority said divers have been able to re-established the seals on the tanks and were working on stopping the leak. The Captain of the Port has confirmed that the leak from the tank vents is fully under control. Oil spill response assets are downstream working to collect leaked oil and skimmers are inside the boomed area. gCaptain / [Read more](#)

INCIDENT REPORTS (CONTINUED)

September 1 – Police arrest individual as Gibraltar races to remove oil from bulker - Gibraltar has an around-the-clock effort underway attempting to pump oil from the bulker that wrecked Monday night as it was departing the port. The oil leak intensified after the hull of the bulker “crumpled” yesterday afternoon causing Gibraltar to suspend port operations as it declared a “major incident,” Wednesday afternoon.

The Royal Gibraltar Police has also launched an investigation into the circumstances in which the OS 35 outbound hit the Adam LNG gas carrier that was anchored in a designated area outside the port. At mid-day on Thursday, the police released a statement announcing, “an individual was arrested and is now assisting detectives from the Crime Division, as they investigate the collision of beached cargo ship OS 35.” The Maritime Executive / [Read more](#)

September 2 - Gibraltar Makes Progress at Pumping Oil from Wrecked Bulker - Gibraltar continues to report making progress in its attempts to remove the oils aboard the bulker that hit another vessel at the beginning of the week. Teams are also working to contain the damage from the leaks and a formal investigation was launched.

The condition of the 35,263 dwt bulker OS 35 remains largely unchanged with the salvage teams not immediately fearing that the vessel will break in two after developing cracks in the area of the number two hold. However, the buckling of the vessel caused seals that the divers had placed on the vents from the fuel tanks to pop leading to the continued seepage of oil from the vessel. By this evening the authorities were reporting that the leaks had been slowed and were mostly from the lighter viscosity low sulfur fuel oil, which will be easier to disperse. The Maritime Executive / [Read more](#)

September 2 – Video coverage from YouTube <https://www.youtube.com/watch?v=PqhBCIK5RXo>

September 2 - Pollution Fears Grow Over Grounded Bulk Carrier Leaking Oil Off Gibraltar - The government of the enclave on the southern tip of Spain said all diesel fuel from tanks of the beached OS-35 had been removed. On Thursday, authorities started pumping heavy fuel oil from the vessel whose hull broke on Wednesday night. Drone footage showed an oil slick extending way past the boom installed next to the vessel, but authorities said the leak had significantly diminished, with only sheening visible within the boom, but not collections of black oil as on Thursday. Skimming operations inside the boom have removed some 12 tonnes (13.23 tons) of a mixture of oil and water. It also deployed clean-up teams to remove oil from the shoreline. gCaptain / [Read more](#)

NIGERIA: EXPLOSION LOOMS AS RESIDENTS SCOOP FUEL FROM BURST CRUDE OIL PIPE IN RIVERS (PHOTOS)

August 31 - The latest reports from the area show that villagers are taking turns to scoop the crude oil which is the second spill in the month of August. Some residents of Bodo community in Gokana Local Government Area of Ogoniland in Rivers State have been spotted scooping fuel from the ground. They were seen scooping fuel from gushing crude oil spill sites of the burst Trans-Niger Delta Pipeline (TNP). The highly inflammable substance is capable of causing massive explosion. The latest spill was reported to have occurred in Bodo in the late evening of Wednesday, August 24, 2022, while the first was August 2. Tori / [Read more](#)

September 3 - Residents of Bodo community in Gokana Local Government Area of Rivers State and Ogoni Liberation Initiative (OLI) have decried fresh oil spill which occurred two days ago on Trans Niger Pipeline (TNP) being operated by Shell Petroleum Development Company (SPDC). The community residents lamented that within a space of one month, they had witnessed incidents of spills in Sugi, Deebon and Kol-naana river in Bodo. The Sun / [Read more](#)

No news from your part of the world? You can correct this by sending in news reports that will be of interest to the spill response community in your own country and the wider world. Send your news to your editor - john.mcmurtrie@spillcontrol.org

Legal disclaimer: Whilst ISCO takes every care to ensure that information published in this newsletter is accurate unintentional mistakes can occur. No liability for consequences of errors is accepted but, if an error is brought to our attention, a correction will be printed in a following issue of this newsletter. Products and services featured in the ISCO Newsletter and/or the ISCO website, including the International Directory of Spill Response Supplies and Services, have not been tested, approved or endorsed by ISCO. Any claims made by suppliers of products or services are solely those of the suppliers and ISCO does not accept any liability for their accuracy. It should not be assumed that views and opinions expressed in linked reports, articles and other content reflect the views of the organization. Subscription is subject to acceptance of ISCO's Terms and Conditions as published on the website www.spillcontrol.org and your acceptance of ISCO's Data Protection and Privacy Policy.
