

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

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INTERNATIONAL NEWS

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HOW CAN A LIFE-CYCLE APPROACH CURB THE PLASTIC POLLUTION CRISIS?

“The equivalent of a garbage truck of plastic is dumped into the ocean every minute, threatening biodiversity and damaging marine ecosystems, while greenhouse gas emissions associated with plastics are expected to reach 6.5 gigatons by 2050”.

July 27 - At the recent United Nations Ocean Conference, another 22 governments agreed to join the New Plastics Economy Global Commitment, which unites stakeholders around the goal of transitioning towards a circular economy for plastic.

In addition to the Global Commitment, world leaders agreed on a historic resolution to forge a legally binding agreement to end plastic pollution by 2024 at the resumed fifth session of the UN Environment Assembly in March.

The resolution addressed the full life cycle of plastic and established an Intergovernmental Negotiating Committee (INC). The first INC meeting, to be held in Uruguay from 28 November to 2 December 2022, will see countries begin the process of negotiating the agreement.

“The linear plastic economy is at the basis of the plastic pollution crisis,” says Aggarwal-Khan. “While the best solution differs by region, ultimately, following a life-cycle approach can set us on the path to circularity and combating the scourge of plastic pollution; additionally, a circular system change scenario will generate more and better jobs and bring significant economic savings.”

To learn more, please contact Llorenç Milà i Canals, UNEP’s Head of the Secretariat of the Life Cycle Initiative: llorenc.milaicanals@un.org UNEP / [Read more](#)

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

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<https://chat.whatsapp.com/KMxdW7IEal79namyNlbVqg>

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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)

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ISCO NEWS

NOTICE TO ISCO MEMBERS

ISCO is currently undertaking a a review and a number of initiatives to improve ISCO organisation and management and to implement changes required by the adoption of the revised ISCO Constitution. The revised Constitution was endorsed by the Annual General Meeting of Members in November 2021. A Stage I Action Plan has recently been approved by the ISCO Executive Committee. The aims of the Stage I Action Plan are to achieve:

1. Needed changes to the organisation and operation of ISCO in order to comply with the revised Constitution.
2. A rapid transition to a more organised and sustainable Management System.
3. Improve member participation and inclusiveness.
4. Increase transparency and democratic processes.

In the absence of a new President, an Interim Executive (IE) has been created with an Interim Executive Coordinator (IEC) to manage the process. A number of Working Groups will be formed in order to undertake the work, to ensure a wide involvement of, and consultation with, ISCO Members.

A copy of the Stage I Action Plan and an over-arching, longer-term, Strategy Plan can be accessed via the Members' Area of the ISCO web site. Click on this link: <https://spillcontrol.org/2022/07/30/members-guide-to-the-isco-reform-process/>

INVITATION TO ISCO MEMBERS

As noted in the above Notice to ISCO Members, ISCO is currently undergoing some reforms and improvements. As part of this ISCO will establishing a number of new Working Groups to participate in this process. ISCO therefore is extending an invitation to any Member who would like to participate in these.

Why volunteer? As a Working Group participant you can:

- Contribute ideas and other input into the reform process.
- Gain an insight into the ISCO organisation.
- Interact with other ISCO members and expand your professional contacts.



Image adapted from commons.wikimedia

Information on the Working Groups and how to contact the Interim Executive is available in the Members Area of the ISCO web-site. Members of existing Working Groups are also invited to read the information provided online.

INTERNATIONAL AND REGIONAL NEWS

OCTOBER 2022 MEETING OF THE IOPC FUNDS GOVERNING BODIES TO BE HELD IN PERSON

July 20 - The invitation and agenda have now been issued for the next sessions of the IOPC Funds governing bodies, which will be held in person at the IMO Headquarters building from 25 to 28 October 2022 (IOPC/2022/Circ.4).

This meeting will be the first fully in person meeting since the start of the COVID-19 pandemic and refurbishment of the IMO meeting room facilities, which required five meetings of the governing bodies to be held remotely. The IOPC Funds now look forward to being able to return to their usual practice of bringing together Member States and organisations holding observer status in the main IMO conference hall in London. IOPC Funds / [Read more](#)



YOU CAN PLACE AN ADVERTISEMENT HERE

For information contact
Mike Watson at
spillcontrol@mwadigital.com

TWO UPCOMING EVENTS IN THE ASEAN REGION

July 22 - The MEPSEAS Project will host two events this year in the ASEAN Region, The first event will be The Third High Level Regional Meeting in Vietnam and The MEPSEAS Technology Conference in Singapore <https://mepseas.imo.org/news/two-upcoming-events-in-the-region>

THE DECARBONIZATION TRADE-OFFS FOR AMMONIA, METHANOL AND H2

July 22 - Ammonia, methanol and hydrogen are being pursued as cleaner fuels to drive shipping's decarbonization. But barriers remain to their upscaling.

Experts say the shipping industry will have to decarbonize rapidly to keep global average temperature increases below the critical threshold of 1.5C, and find alternative green fuels to the polluting diesel that currently powers most vessels. The Maritime Executive / [Read more](#)

IPIECA INSIGHTS FROM THE 2ND UN OCEAN CONFERENCE

July 26 - More than 6,000 participants, including 24 heads of state and government and over 2,000 representatives of civil society, attended the conference, advocating for science-based and innovative solutions to start a new chapter of global ocean action.

Over 300 voluntary commitments, with approximately 50 high-level commitments and pledges, including an investment of at least USD 1 billion to support the creation, expansion and management of marine protected areas and Indigenous and locally governed marine and coastal areas by 2030, made by the Protecting Our Planet Challenge. Ipieca will keep abreast of any developments related to ocean matters within the UN to inform members and identify any areas to be considered by Ipieca. IPIECA / [Read more](#)

SAILING VESSEL KWAI CLEANS UP 96 TONNES OF TRASH FROM THE PACIFIC

Image courtesy Ocean Voyages Institute

July 26 - The Ocean Voyages Institute has completed its latest transit of the Great Pacific Garbage Patch, collecting 96 tonnes of plastic fishing nets, lines, buoys, trash and other waste from one of the world's largest concentrations of ocean plastic.

"Keeping our ocean healthy is vital to ocean life and our own health. Our clean up missions give me great hope for the future of our ocean because change is possible." said Mary T. Crowley, the president and founder of the nonprofit.

Ocean Voyages Institute uses the Kwai, a 130-foot sail freighter, to carry out cleanup missions in the North Pacific.

The 2022 mission brings the group's total to over 692,000 pounds of plastic removed from the ocean since 2009, including 340,000 pounds recovered in 2020 alone

The Maritime Executive / [Read more](#)



ITOPF AT INTERSPILL 2022



July 27 - The spill response community came together for Interspill 2022 at the RAI Centre in Amsterdam in June and showcased innovative solutions to improve global readiness and response.

ITOPF contributed a short course on Monday 20 June, before the opening of the main conference and exhibition.

Following on from the short course ITOPF colleagues presented the following papers:

INTERNATIONAL AND REGIONAL NEWS (CONTINUED)

- 'Is greener cleaner? Spill implications from alternative marine fuels' Authors – Andrew Le Masurier/Angela Pinzon
- 'Spill response during the Covid-19 pandemic' Author – Conor Bolas
- 'Spatial distribution of global marine oil tanker spills over half a century' Author – Naa Sackeyfio
- 'Nurdles – one container, a billion problems.' Authors – Sam Durrance/David Campion
- 'Responding to ship-source pollution, when does response stop being sustainable?' Authors – David Campion/Richard Johnson/Tim Wadsworth
- 'Assessing environmental damage claims from oil spills' Author – Alex Hunt as part of the Interspill Academy
- 'Common challenges faced in implementing effective environmental monitoring: an international perspective' – Miguel Patel as part of the Premium Conference. ITOPF / [Read more](#)

WORK HAS STARTED ON THE 9th EDITION OF THE LITTLE BLACK BOOK

July 28 – Attention Contractors! - Work has started on the 9th Edition, Send us your corrections and additions.

What you see on this site is what will be printed. We do our best to verify that companies listed are able to offer emergency oil spill services, however we also rely on the oil spill community for information and feedback. If we have missed anyone or you spot a mistake please contact us, this directory is valued by responders' when dealing with oil spills. Clean-up oil .com / [Read more](#)

INTERSPILL CONFERENCE PROCEEDINGS ARE NOW AVAILABLE ONLINE

July 28 - Interspill 2022 conference included 21 sessions and we also had the pleasure of hosting the PREMIUM Conference.

Many delegates enjoyed the varied but technical nature of the conferences and have commented positively on the quality of the presentations delivered. Thank you to all of the speakers!

The Interspill Committee is therefore delighted to share the proceedings with you which have been uploaded to Interspill.org and may be viewed at: <https://www.interspill.org/previous-events/2022-interspill-amsterdam/>

The purpose of the Conference Proceedings is for you to view, in your own time, more details on the presentations that you enjoyed and to read more of the presentations you could not see at the event. They also act as a record of Interspill 2022

NEWS REPORTS FROM AROUND THE WORLD

CANADA: THE GOVERNMENT INVESTS IN MARINE SAFETY AS PART OF THE NEXT PHASE OF THE OCEANS PROTECTION PLAN

July 26 - Marine transportation is among the safest, cleanest, and most cost-effective ways to move goods. As we continue to recover from the COVID-19 pandemic, Canadians expect a safe, efficient, and effective marine system that keeps our supply chain strong, keeps our coastlines clean, and protects local ecosystems. That's why the Oceans Protection Plan—in partnership with Indigenous Peoples and coastal communities—is proactively ensuring Canada's world-leading marine safety system is stronger than ever.

Today, the Minister of Transport, the Honourable Omar Alghabra, alongside Mike Kelloway, Parliamentary Secretary to the Minister of Fisheries, Oceans and the Canadian Coast Guard and Member of Parliament for Cape Breton—Canso, announced over \$384 million in funding to strengthen marine safety as part of the next phase of Canada's Oceans Protection Plan.

Transport Canada / [Read more](#)

EGYPT: CALL FOR APPLICATIONS FOR THE SELECTION AND TRAINING OF ECO-ENTREPRENEURS

July 28 - Within the framework of the project "SwitchMed", implemented by the CEDARE – Center for Environment & Development for The Arab Region & Europe and MedWaves – The UNEP/MAP Regional Activity Centre for SCP (former SCP/RAC) and financed by the European Union, the Catalan Waste Agency, and the Italian Government, MedWaves and CEDARE are launching a call for applications for the benefit of eco-entrepreneurs: people with ideas for economic projects with an ecological or social impact. This call for applications is open to individuals and groups residing in the following governorates: Alexandria, Cairo Giza, Minya, Fayoum.

Applications will be open until 20 August 2022 - www.theswitchers.org/call-for-applications CEDARE / [Read more](#)

FRANCE: SPILL RESPONSE EXERCISE AND TRAINING IN BREST

July 27 - ITOPF staff made a trip to Brest, France as some of its team visited Cedre's facilities to take part in a four-day exchange of experience and theoretical and practical training.

The practical activities lined up by Cedre saw the ITOPF team take part in a variety of spill response exercises which included shoreline, port, and open water response techniques as well as a mock pollution event on inland waters in the Penfeld River.

ITOPF / [Read more](#)

INDIA: EYEESEA SUPPORTS INDIAN CLEAN-UP AND MAPPING INITIATIVE



Image courtesy of Eyesea

July 24 - Eyesea has announced a pollution clean-up and mapping partnership with the Luna Story Foundation in the Vasai area, north of Mumbai, India. The Luna Story Foundation helped test the Eyesea App in early 2021, and the data collected in this phase showed how the app could be used by clean-up groups to record their work and demonstrate the scale of local pollution.

Following a six-month project trial, Eyesea agreed to seek further support for Luna Story through its membership. NSB Group, Isle of Man Ship Registry, MPC Container Ships, GAC India, and GAC Bunker Fuels all agreed to provide further support to Eyesea for an expanded 12-month clean-up campaign and a regional pollution survey. The Maritime Executive / [Read more](#)

IRAQ: MOSUL'S RECOVERY MOVES TOWARDS A CIRCULAR ECONOMY

July 28 - Opening of first debris recycling centre in Mosul helps clean-up the ISIL conflict's environmental legacy.

So far, over 10,000 tonnes of debris have been processed into recycled construction aggregates.

Recycled materials are used primarily in road construction and other end-uses such as concrete blocks and kerbstones.

Mosul, 28 July 2022 – Five years since the end of the ISIL(so-called Islamic State in Iraq and the Levant) conflict in 2017, the International Organization for Migration (IOM) in Iraq and the UN Environment Programme (UNEP), with funding from the Government of Japan, has established a debris recycling centre in Mosul. After its initial use, the centre has now been handed over to Mosul Municipality for its continued, sustainable operation. UNEP / [Read more](#)

JAPAN APPROVES PLAN FOR RELEASE OF FUKUSHIMA NUCLEAR WASTEWATER

July 22 - On Friday, Japan's nuclear regulator approved a detailed plan for the release of treated radioactive wastewater from the Fukushima Daiichi nuclear powerplant into the Pacific. The stored water amounts to more than 1.3 million tons, and the temporary tank farm at the plant is running out of room.

The powerplant experienced a meltdown in 2011 after a severe earthquake and tsunami. Radioactive fuel debris remains at the bottom of all three water-flooded reactor units, and groundwater infiltration creates a constant supply of contaminated wastewater at a rate of about 200 tonnes per day.

In order to prevent the release of this contaminated water from the site into the surrounding environment, operator Tepco continually pumps it out, treats it, and stores it in a giant tank farm on site.

Tepco filters out about 60 toxic or radioactive contaminants prior to storage, but it has not been able to remove radioactive tritium (hydrogen-3). The Maritime Executive / [Read more](#)

MAURITIUS: MAURITIANS TAKE WAKASHIO OIL SPILL BATTLE TO ISLAND'S SUPREME COURT

July 25 - Nearly 1,700 seafarers and inhabitants of Mauritius who have been adversely impacted by the Wakashio oil spill will file a lawsuit against Okiyo Maritime Corp. The State of Mauritius could also turn to courts, tells a source.

The left-wing political movement Rezistans ek Alternativ (ReA) hinted about the class action during last year's first anniversary of the Wakashio grounding on the reefs of Pointe-d'Esny, taking place the evening of July 25, 2020.

Nearly 1,700 seafarers and inhabitants of the southeastern shoreline of Mauritius will soon file a lawsuit before the Mauritian Supreme Court against Okiyo Maritime Corporation, the owner of the ore-carrier. They will claim damages for the adverse effects of the oil spill on their livelihood. gCaptain / [Read more](#)

NIGERIA: Ogoni Clean-up: HYPREP Completes Complex Sites' Characterisation, Delineation

July 25 - The Hydrocarbon Pollution Remediation Project (HYPREP) has completed the characterisation and delineation of complex and medium risk impacted sites across Ogoniland.

HYPREP's Project Coordinator, Dr Ferdinand Giadom, who dropped this hint during a workshop in Port Harcourt on Thursday, said the characterisation and delineation were done to determine the specific characteristics of each site and extent of contamination and possible remediation actions to be taken. The Tide / [Read more](#)

NIGERIA: UNEP Newsletter - Support Project to HYPREP – June 2022



Photo - Meeting with CEER Team

July 26 – The latest issue summarises Mission Outputs - Port Harcourt, 24th June – 6th July, 2022 - BR Ravishankar (Ravi), Senior Project Advisor at UNEP's Disasters and Conflicts Branch, carried out a two-week mission in June-July, as part of UNEP's ongoing HYPREP Support Project.

During his mission, Ravi worked with the senior management of HYPREP on the streamlining of project management reporting, proper assessment on project progress, practical challenges on Livelihood Unit's community engagement and the Centre of Excellence (CEER) Unit, and the effective operations of the Monitoring and Evaluation (M&E) Unit. Ravi will be continuing these efforts in his upcoming missions during the months of July, August and September.

The June 2022 Newsletter also gives an update on progress made in the training programme during the month and reports on an interview with B R RAVISHANKAR, Senior Project Advisor, UNEP's Support Project to HYPREP.

If you wish to share your feedback on the project or this newsletter, please email us at ogoniland@un.org. To subscribe to our newsletter, [click here](#). To download the newsletter, please click here <https://bit.ly/3oAYKoA>

USA: LATEST ACTIVITY REPORTS FROM NOAA OR&R

July 25 – Please click on the links below to download and read the latest activity reports from NOAA OR&R

[Marine Debris Program Presents at the U.S. Coast Guard Sector San Francisco and Sector Delta Abandoned and Derelict Vessels Quarterly Meeting](#)

On July 13, 2022, NOAA Marine Debris Program California Regional Coordinator Christy Kehoe and Southeast Regional Coordinator Sarah Latshaw presented at the United States Coast Guard Sector San Francisco and Sector Delta Abandoned and Derelict Vessels Quarterly Meeting.

The meeting brought together more than 30 ADV experts from across the San Francisco and Sacramento Delta area in Northern California.

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

[Marine Debris Program Presents for Students and Educators](#)

On July 11, 2022, NOAA Marine Debris Program Education Specialist Alexandria Brake led two workshops for students and educators. Alexandria presented on “Pesky Plastics” at the Pennsylvania Cyber Charter School’s Virtual Engineering Exploration Experience, the first day of a five-week program bringing together experts in various fields to inspire students to consider solutions to complex global problems.

[Mississippi Teachers Learn about Marine Debris Issues and Solutions](#)

On July 13, 2022, the NOAA Marine Debris Program’s Gulf of Mexico Regional Coordinator Caitlin Wessel presented at the Jackson County Soil and Water Conservation District’s teacher workshop.

PEOPLE IN THE NEWS

PEMSEA WELCOMES THE NEW CHAIRS AND CO-CHAIRS OF THE EAST ASIAN SEAS PARTNERSHIP COUNCIL



Dr. Vann Monyneath
Council Chair



Ms. Chen Danhong
Intergovernmental Session Chair



Dr. Keita Furukawa
Technical Session Chair



Atty. Jonas Leones
Council Co-Chair



Mr. Le Dai Thang
Intergovernmental Session Co-Chair



Dr. Suk-Jae Kwon
Technical Session Co-Chair

July 28 - During the 14th East Asian Seas Partnership Council (EAS PC) Meeting last July 27, new Chairs and Co-Chairs were sworn in for the period of 31 July 2022 to 30 July 2025. As the governing body of PEMSEA, the Council formulates policies in support of sustainable coastal development throughout the EAS region. It consists of the Executive Committee, made up of elected Chairs and Co-Chairs and the Executive Director of PEMSEA Resource Facility, and PEMSEA’s country and non-country partners.

For more details about the new appointees please visit <http://www.pemsea.org/news/pemsea-welcomes-new-chairs-and-co-chairs-east-asian-seas-partnership-council>

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

OIL SPILL RESPONSE SIGNS STRATEGIC ALLIANCE AGREEMENT WITH TECHNIPFMC TO STRENGTHEN THE GLOBAL SUBSEA RESPONSE NETWORK

July 28 - Southampton, UK, 28th July 2022: Oil Spill Response Limited (OSRL) is pleased to announce that it has signed a strategic alliance agreement with TechnipFMC. The collaboration between OSRL and TechnipFMC has been strategically implemented to enhance further the capabilities of the Global Subsea Response Network’s (GSRN) services provided through OSRL’s Subsea Well Intervention Services (SWIS). TechnipFMC is a leading technology provider to the traditional and new energy industries, delivering fully integrated projects, products, and services.



The Global Subsea Response Network (GSRN) is a network of companies facilitated by OSRL, brought together to improve preparedness and response for OSRL SWIS subscribers. Subscribers can access the expertise of the GSRN participants to support their permitry, planning, exercises, and training in combination with OSRL's extensive experience in Crisis & Incident Management and integrated oil spill response (surface and subsea).

In the unlikely event of a response, the GSRN helps to provide the well incident owner with the necessary expertise and resources to respond to a subsea well incident effectively on a global basis.

Robert Limb, Chief Executive of Oil Spill Response Limited, said: "Demonstrating access to the necessary resources to maintain response readiness and effectively support response to a subsea well incident is of paramount importance for our subscribers and industry. TechnipFMC's capabilities add significantly to the Global Subsea Response Network." OSRL / [Read more](#)

CONTRIBUTED ARTICLE

EU FUNDED PROJECT - DEVELOPING AN UNMANNED VESSEL TO DEPLOY BOOM

An article by Arnon Shany, Boaz Ur, Henk Lageveen , Joppe Dietz.

In 2018, three companies, HARBO Technologies, ASV and Hebo came together to develop an unmanned vessel to deploy an oil boom containment. This article describes the project that has received funding from the European Union's Horizon 2020 research and innovation programme.

Background - The idea of automatic oil spill response has been around for decades. A successful solution could solve a few issues in oil spill response:

1. Make the response faster - From Hours and days to minutes.
2. Reduce the need to mobilize a lot of people, and reduce the manual hard work involved.
3. Reduce the need to store and mobilize heavy deploying equipment. The immediate solution is stored near the spill's location.
4. Reduce the risk to oil spill workers
5. Have the ability to operate in harsh environments.
6. Be scalable.

Multiple barriers prevented the development of a solution.

1. Traditional booms are very heavy and would require a very large autonomous vessel to deploy them / move them in the water.
2. The Autonomous / Remote controlled technology wasn't mature enough.

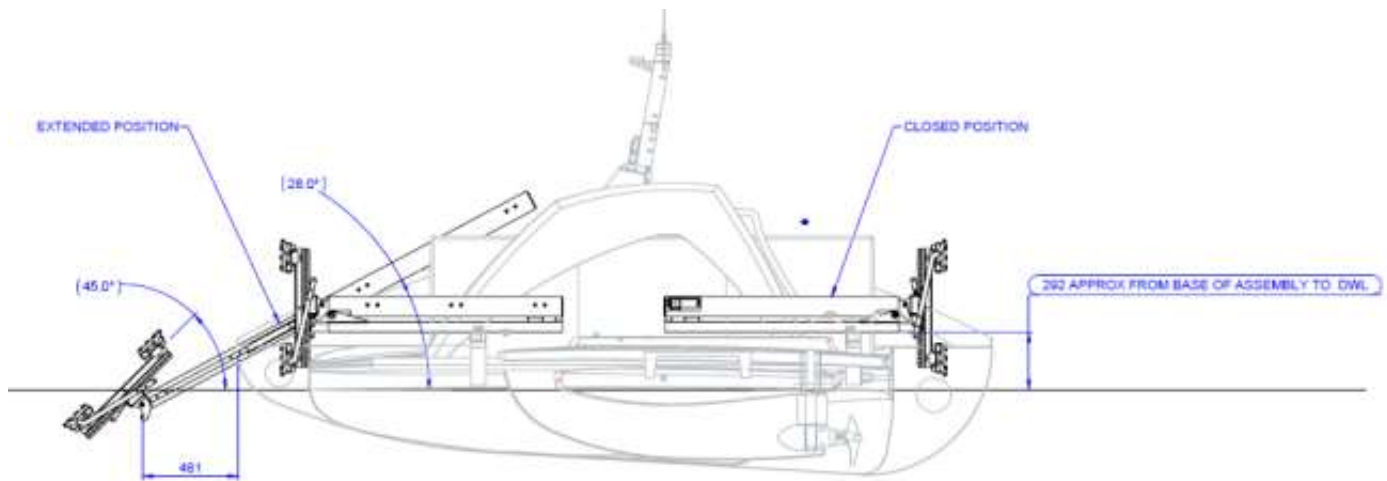
By 2018, there were advancements in both these areas, HARBO developed an effective and light weight boom, ASV had built dozens of Remote controlled vessels. We were ready to build the next generation of the technology.

Coming together and applying for the grant - HARBO was already cooperating with Hebo, A Dutch maritime service and oil spill response provider. The idea of building an automated vessel seemed obvious. We quickly found out that ASV (then, an independent company) was one of the leading companies in the world in Autonomous vessels. We contacted them, and decided to apply for the grant. Luckily our grant idea was approved.

The concept of Spill Python was born - HARBO's boom, positioned and deployed on board ASV advanced vehicles, using the know-how and methodology acquired by Hebo in many years of responding to numerous oil spills, created the unique combination for this mission.

Initial scoping - The first meetings, either physical or virtual, are characterized by an intensive dialog, in which, using experience, knowledge, imagination and creativity, the concept was born. This procedure resulted in a roadmap of a system capable of responding automatically to spills. We mapped the different environments (Rig, Tanker, Terminal). We realized that things that originally didn't seem hard to solve are actually sometimes the trickiest. For example, how are the connections done between booms? How is the boom connected to the end point (a ship or jetty). Things that are easy to do when a human is making a knot with a rope become really tricky when a robotic vessel is deploying. A mini project was born to develop a robotic arm and a magnetic connector.

Component testing and early conclusions - The whole project was divided into units, either physical or virtual, while each partner was responsible for some missions to be performed on time. Limitations of size, weight and performance were determined and following the planing and prototyping time, joined to create a computerized 3D model of the vessel



Following this stage, several critical components were built in order to test them. The arm was already mentioned, A special cartridge was built and positioned on board an ASV vehicle, pneumatic doors that opens to release the boom and more.

Covid times - The vessel and all components were almost ready for the first integrated water tests when COVID-19 appeared suddenly and actually stopped all chances of flying, meeting and testing. Limitations were declared randomly and the project could not proceed for about a year and a half. At this time, each partner tried to improve its product.



Until this project, HARBO's concept was a single-use boom. This makes sense for an actual oil spill, however for training purposes or when booms are deployed and oil eventually doesn't reach them, we'd like to possibility to reuse booms. Especially in this project since booms used in trials are longer, HARBO was looking to develop a multi use boom. With the time off due to covid, HARBO finally had a breakthrough and the T6 Multi-use boom was born as part of it. This boom is now being sold by Lamor. See the product video [here](#).

At the end of 2021, Covid-19 enabled us to perform the last steps toward the end of the mission. We met at Southampton to watch a live demonstration and training of the control system, and in December, at Rotterdam, the full system was tested successfully. In this last meeting all units were functioning together and a theoretical oil spill was contained without any human presence on board the vessel.

Learnings - There is no doubt that the awareness on pollution of oceans has increased and the need for the system is high. At the same time, technology also had some changes and a commercial version would be more compact and cost effective than the prototype. The knowledge acquired could be very useful for commercializing the project.

There is definitely a big difference between an unmanned, remote controlled vessel to an Autonomous vessel. Just like with Autonomous vehicles there are different stages and applications and there are many challenges on different fronts.

We see a few important applications for unmanned oil spill response:

1. The autonomous future - There is no doubt that the world is going to a future of Autonomous sea going vessels. When a spill happens in this scenario, there also needs to be an option for remote oil spill response.
2. Automatic quick response in Terminals
3. Remote response in environments with Hazardous materials.
4. Response in Harsh environments.

This project definitely advanced our thinking in these areas! See this [video](#) with highlights of the project.

Arnon Shany, former CTO and Co-founder and Boaz Ur, former CEO and Co-founder at HARBO Technologies.

Joppe Dietz is Manager Emergency Response at Hebo Maritime Service

Henk Lageveen is Special projects manager at Hebo Maritime Service

For more information see www.spill-python.com

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.

78. A general method to combine environmental and life-safety consequences of Arctic ship accidents

Browne, T., Taylor, R., Veitch, B., Helle, I., Parviainen, T., Khan, F., Smith, D., (2022)
Safety Science, 154, art. no. 105855,
DOI: 10.1016/j.ssci.2022.105855

ABSTRACT: Risk aggregation is the process of combining multiple individual risks to develop a better understanding of the overall risk on a system. Different risks can have different consequences and different units of measure. This study contributes to the process of risk aggregation by presenting a general method to combine multiple consequences posed by an Arctic ship accident. The method considers ecological and socio-economic consequences of a potential oil spill, and life-safety consequences of a potential ship evacuation. Existing models for each consequence type are adopted. Individual consequence types are monetized and combined to quantify total consequence cost for a given accident scenario. A framework is proposed to assign a qualitative rating for total consequence severity. The qualitative scales of the framework are established using the quantitative method. Total consequence severity is evaluated for different ship types and regions in the Canadian Arctic. Results indicate that Arctic ship accidents involving oil tankers in environmentally sensitive regions and cruise ships in regions associated with long response times are worst-case scenarios, with similar total consequence severity levels. Implications for safe Arctic shipping are that on the basis of total consequence severity, mitigating the potential consequence severity of Arctic cruise operations is of near equal priority to that of Arctic tanker operations. Evaluating total consequence severity of potential Arctic ship accidents provides decision-makers and risk analysts with a data-driven tool to integrate multidisciplinary knowledge for the assessment, management, and communication of Arctic shipping risks.

79. Nitrogen dependence of rhamnolipid mediated degradation of petroleum crude oil by indigenous *Pseudomonas* sp. WD23 in seawater

Goveas, L.C., Selvaraj, R., Vinayagam, R., Alsaiani, A.A., Alharthi, N.S., Sajankila, S.P. (2022)
Chemosphere, 304, art. no. 135235,
DOI: 10.1016/j.chemosphere.2022.135235

ABSTRACT: Effect of oil spills on living forms demands for safe, ecofriendly and cost-effective methods to repair the damage. Pseudomonads have exceptional tolerance to xenobiotics and can grow at varied environmental conditions. This study aims at biosurfactant mediated degradation of petroleum crude oil by an indigenous *Pseudomonas* sp. WD23 in sea water. *Pseudomonas* sp. WD23 degraded 34% of petroleum crude oil (1.0% v/v) on supplementation of yeast extract (0.05 g/L) with glucose (1.0 g/L) in seawater. The strain produced a biosurfactant which was confirmed as a rhamnolipid (lipid: rhamnose 1:3.35) by FT-IR, LCMS and quantitative analysis. Produced rhamnolipid had low CMC (20.0 mg/L), emulsified petroleum oils (75–80%) and had high tolerance to varied conditions of pH, temperature and ionic strength. OFAT studies were performed to analyse the effect of petroleum crude oil, glucose, inoculum, yeast extract, pH, agitation speed and incubation time on degradation by *Pseudomonas* sp. WD23. Petroleum crude oil and glucose had significant effect on biodegradation, rhamnolipid production and growth, further optimized by central composite design. At optimum conditions of 3.414% v/v PCO and 6.53 g/L glucose, maximum degradation of $81.8 \pm 0.67\%$ was observed at pH 7.5, 100 RPM, 15.0% v/v inoculum in 28 days, with a 3-fold increase in biodegradation. GCMS analysis revealed degradation (86–100%) of all low and high molecular weight hydrocarbons present in petroleum crude oil. Hence, the strain *Pseudomonas* sp. WD23 can be effectively developed for management of oil spills in seas and oceans due to its excellent degradation abilities.

80. Applying finite-time Lyapunov exponent to study the tidal dispersion on oil spill trajectory in Burrard Inlet

Zhong, X., Wu, Y., Hannah, C., Li, S., Niu, H. (2022)

Journal of Hazardous Materials, 437, art. no. 129404,
DOI: 10.1016/j.jhazmat.2022.129404

ABSTRACT: This study used a combination of Finite-Time Lyapunov Exponent (FTLE) values, residual currents, and tidal excursion lengths to systematically investigate the effects of tidal dispersion on oil spill trajectories in Burrard Inlet, BC, Canada, which is a tidally dominated estuary. The FTLE analysis results showed that tidal type and tidal phase significantly influenced the FTLE fields because the flow structure and the location of saddle points varied as a function of the tidal type and tidal phase. Some transport barriers formed in the Inner Harbour, which blocked the water exchange between the western and eastern parts of the inlet. Moreover, tidal mixing in the wider regions of Burrard Inlet (i.e., the western Outer Harbour) was relatively weak than in the narrower areas (i.e., First Narrows and Second Narrows). The observations from the FTLE analysis agreed well with the residual currents and tidal excursion results. The drifter trajectories were consistent with the Lagrangian coherent structure lines extracted from the FTLE analysis. To verify the tidal dispersion impact on an oil spill trajectory in the inlet, the FTLE fields were compared with a real oil spill that occurred in Burrard Inlet in 2015 (the M/V Marathassa oil spill). The FTLE fields reasonably explained the spilled oil's trajectories from the real event. In addition, a set of stochastic oil spill models were run in this study and found that the FTLE analysis was a reliable tool for oil spill tracking. Overall, the FTLE method would be a valuable addition to practical oil spill response planning.

81. Bioremediation by oil degrading marine bacteria: An overview of supplements and pathways in key processes

Ganesan, M., Mani, R., Sai, S., Kasivelu, G., Awasthi, M.K., Rajagopal, R., Wan Azelee, N.I., Selvi, P.K., Chang, S.W., Ravindran, B. (2022) *Chemosphere*, 303, art. no. 134956,
DOI: 10.1016/j.chemosphere.2022.134956

ABSTRACT: Oil spillage is one of the most common pollutants which brings greater economic loss and damage to the environment. The intensity and amount of the damage may vary depending on factors such as the type of oil, the location of the spill, and the climatic parameters in the area. As for any pollution management, the guidelines are Reduce, Re-use, Recover and Disposal. Amongst the other remediation processes, Bioremediation is amongst the most significant environmentally friendly and cost-effective approaches for marine biological restoration because it allows complex petroleum hydrocarbons in spilt oil to decompose completely into harmless compounds. Mainly, the necessity and essence of bioremediation were talked about. This review discussed the bacteria identified which are capable of degrading various oil related pollutants and their components. Also, it covered the various media components used for screening and growing the oil degrading bacteria and the pathways that are associated with oil degradation. This article also reviewed the recent research carried out related to the oil degrading bacteria.

82. Hydrocarbon bioremediation on Arctic shorelines: Historic perspective and roadway to the future,

Góngora, E., Chen, Y.-J., Ellis, M., Okshevsky, M., Whyte, L. (2022) *Environmental Pollution*, 305, art. no. 119247,
DOI: 10.1016/j.envpol.2022.119247

ABSTRACT: Climate change has become one of the greatest concerns of the past few decades. In particular, global warming is a growing threat to the Canadian high Arctic and other polar regions. By the middle of this century, an increase in the annual mean temperature of 1.8 °C–2.7 °C for the Canadian North is predicted. Rising temperatures lead to a significant decrease of the sea ice area covered in the Northwest Passage. As a consequence, a surge of maritime activity in that region increases the risk of hydrocarbon pollution due to accidental fuel spills. In this review, we focus on bioremediation approaches on Arctic shorelines. We summarize historical experimental spill studies conducted at Svalbard, Baffin Island, and the Kerguelen Archipelago, and review contemporary studies that used modern omics techniques in various environments. We discuss how omics approaches can facilitate our understanding of Arctic shoreline bioremediation and identify promising research areas that should be further explored. We conclude that specific environmental conditions strongly alter bioremediation outcomes in Arctic environments and future studies must therefore focus on correlating these diverse parameters with the efficacy of hydrocarbon biodegradation.

83. Machine-Learning Classification of SAR Remotely-Sensed Sea-Surface Petroleum Signatures—Part 1: Training and Testing Cross Validation

Carvalho, G.A., Minnett, P.J., Ebecken, N.F.F., Landau, L. (2022) *Remote Sensing*, 14 (13), art. no. 3027,
DOI: 10.3390/rs14133027

ABSTRACT: Sea-surface petroleum pollution is observed as “oil slicks” (i.e., “oil spills” or “oil seeps”) and can be confused with “look-alike slicks” (i.e., environmental phenomena, such as low-wind speed, upwelling conditions, chlorophyll, etc.) in synthetic aperture radar (SAR) measurements, the most proficient satellite sensor to detect mineral oil on the sea surface. Even though machine learning (ML) has become widely used to classify remotely-sensed petroleum signatures, few papers have been published comparing various ML methods to distinguish spills from look-alikes. Our research fills this gap by comparing and evaluating six traditional techniques: simple (naive Bayes (NB), K-nearest neighbor (KNN), decision trees (DT)) and advanced (random forest (RF), support vector machine (SVM), artificial neural network (ANN)) applied to different combinations of satellite-retrieved attributes. 36 ML algorithms were used to discriminate “ocean-slick signatures” (spills versus look-alikes) with ten-times repeated random subsampling cross validation (70-30 train-test partition). Our results found that the best algorithm (ANN: 90%) was >20% more effective than the least accurate one

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

(DT: ~68%). Our empirical ML observations contribute to both scientific ocean remote-sensing research and to oil and gas industry activities, in that: (i) most techniques were superior when morphological information and Meteorological and Oceanographic (MetOc) parameters were included together, and less accurate when these variables were used separately; (ii) the algorithms with the better performance used more variables (without feature selection), while lower accuracy algorithms were those that used fewer variables (with feature selection); (iii) we created algorithms more effective than those of benchmark-past studies that used linear discriminant analysis (LDA: ~85%) on the same dataset; and (iv) accurate algorithms can assist in finding new offshore fossil fuel discoveries (i.e., misclassification reduction).

84. Fluorescence-estimated oil concentration (Foil) in the Deepwater Horizon subsea oil plume

Conmy, R.N., Hall, A., Sundaravadivelu, D., Schaeffer, B.A., Murray, A.R. (2022)
Marine Pollution Bulletin, 180, art. no. 113808,
DOI: 10.1016/j.marpolbul.2022.113808

ABSTRACT: Tracking the subsea oil plume during the 2010 Deepwater Horizon Oil Spill (DWH) was conducted using in situ fluorescence via vertical profilers (n = 1157) and discrete sample chemical analyses (n = 7665). During monitoring efforts, discrete samples provided a coarse picture of the oil plume footprint, but the majority of the samples were below standard analytical detection limits for petroleum hydrocarbons. In situ fluorescence data improved the spatial and temporal resolution of the subsea oil plume characterization. Here we synthesized millions of continuous fluorescence data points from hundreds of contemporaneously discrete samples collected to demonstrate how fluorescence could serve as a proxy for Benzene-Toluene-Ethylbenzene-Xylene (BTEX) concentration. Data mined from Gulf Science Data repository were well correlated, and geographically and temporally aligned to provide direct comparisons. Described here are the methods used to calibrate the fluorescence data and to spatially approximate the three-dimensional geographic extent of the oil plume.

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](#)
- 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 COMBATting MARINE & AIR POLLUTION FROM SHIPPING

From Lloyds Maritime Academy - over 12 weeks (Part-time), Starting 23 August 2022. [More info](#)

CERTIFICATE IN MARITIME SAFETY MANAGEMENT & THE ISM CODE

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

USA: OHMSETT - OIL SPILL RESPONSE STRATEGIES & TACTICS TRAINING

During the 3 ½ days of training, you will learn the strategies and tactics for successful spill response operations. Course Topics: Factors affecting oil spill movement + Fates & effects of spilled oil + Oil skimmer & containment boom selection & use + Booming & recovery strategies + Site safety planning + Incident Command System (ICS) + Alternative response techniques + Shoreline Characterization (Introduction to SCAT) + And More! September 20 - 23, 2022 - Tuesday - Thursday: 8:00 AM - 4:00 PM Friday: 8:00 AM - 1:00 PM;
[Register](#)

FREE ONLINE SPCC TRAINING

HalenHardy's Oil Handler Annual Refresher Training is divided into six easy-to-digest microlearning modules. [More info](#)

UPCOMING EVENTS

WE HAVE CHANGED THE ISCO WEBSITE UPCOMING EVENTS PAGE. IN ADDITION TO UPCOMING CONFERENCES, EXHIBITIONS AND MEETINGS, ENTRIES NOW INCLUDE WEBINARS, SEMINARS, ETC. WHICH WERE FORMERLY ON A SEPARATE WEBSITE PAGE.

UPCOMING EVENTS (CONTINUED)

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

- ExxonMobil Oil Spill Response Knowledge Transfer Webinar Series -The Value of Long Term Studies of Oil Spills – The Tropics Project in Panama – A Purposeful Spill, Wednesday 2nd August 2022, 10.00 – 11.15 am Houston Time.
- HalenHardy - Top Industrial Stormwater Pollutants and Simple Ways to Capture Them, Webinar on Wednesday 10th August 2022 at 10 am ES
- OSRL: TPR Wheel Seminar Series - Inland Response Seminar, Thursday 18th August 1400 BST
- OSRL: TPR Wheel Seminar Series – Shoreline Assessment Technique (SCAT) , Wednesday 28th September 1400 BST

RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- France -Cedre: Sea Tech Week 2022 Marine Science & Technology Conference, 26 – 30 September, Brest
- Canada - Newfoundland & Labrador, Econext Conference, October 20, 2022
- USA & Canada - The Pacific States / British Columbia Task Force 2022 Annual Meeting, Online Nov. 2, 2022;
- Introduction to the Transport of Hazardous Goods by Road, Online, 26-27 July 2022
- Italy – ECOMONDO Green Technology Expo. November 8-11, 2022, Rimini, Italy.

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

MESSAGES FROM EVENT ORGANISERS

INDIA: OIL SPILL INDIA CONFERENCE & EXHIBITION, 4–5 AUGUST 2022

Taj Palace, New Delhi, India. International Conference & Exhibition on Spill, Salvage, Wreck Removal: Prevention, Preparedness, Response & Restoration systems. Global stakeholder forum for best practices, technologies & experiences on disaster Management & Mitigation. Theme: Commitment, Synergy, Excellence. For ISCO Members a 15% discount on Registration Fee.

<http://www.oilspillindia.org/>

USA: CLEAN PACIFIC – AUGUST 23-24

CLEAN PACIFIC is Only One Month Away! The 2022 CLEAN PACIFIC Conference is just one month away and we haven't seen you register! Make plans to join your peers from the Pacific Northwest to share experiences and discuss solutions to response challenges for oil and hazardous spills and environmental emergencies specific to the Pacific region. This year's event is set to be bigger and better with two full days of content, new exhibiting companies and over 250 in attendance! Registration rates increase by \$100 after 8/19/2022. [Download the brochure](#) [Registration](#) [networking-oriented sponsorship opportunities](#)

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

The Spilltech Conference provides a vital forum for professionals from the international spill response community, private sector, government, and non-governmental organizations to come together to tackle the greatest challenges facing us with sound science, practical innovation, social engineering, global research, and imagination. 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. Register before August 31, 2022 to pay our early bird rates. [Preliminary Conference Programme](#)

[Registration](#) Website: <https://sites.events.concordia.ca/sites/mpri/en/international-oil-spill-science-conference-2022/>

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

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

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

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

PRELIMINARY CONFERENCE AGENDA

Welcome and Opening Keynote (Open to All Attendees) WEDNESDAY, NOVEMBER 8 10:45 AM - 12:15 PM - Kevin M. Sligh Sr. MBA, CEM, Director, Bureau of Safety and Environmental Enforcement (BSEE)

Kevin M. Sligh Sr. is the Director of the Bureau of Safety and Environmental Enforcement, Department of Interior. He joined BSEE on March 28, 2022, and leads the bureau in its mission to promote safety, protect the environment and conserve offshore energy resources through the regulatory oversight and enforcement.

Check out this year's program and commit to joining your peers in spill prevention and response this November. **Early Bird Discounts Expire on Friday 12th August** [View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

ALGA GROUNDWATER FATE & TRANSPORT SYMPOSIUM

CALL FOR ABSTRACTS IS NOW OPEN! Submission Deadline: 31 July 2022 - 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>

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

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

AUSTRALIA: 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

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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. Publishers are kindly requested to advise the editor john.mcmurtrie@spillcontrol.org if any links are not up-to-date.

ISCO is currently looking for a volunteer to take care of maintaining, improving and updating this page.

NEW PUBLICATIONS

MEDITERRANEAN OIL INDUSTRY GROUP NEWSLETTER – JULY 2022 ISSUE

Issue 053. includes the following articles :

- MOIG General Assembly Meeting
- Webinar on improving the integrated response to pollution accident at sea and chemical risk in port (IRA-MAR)
- Mediterranean Strategy for the Prevention of, Preparedness, and Response to Marine Pollution from Ships (2022-2031)

[Download the MOIG Newsletter](#)

JOB OPPORTUNITIES

IPIECA IS LOOKING FOR A SUSTAINABILITY RESEARCH INTERN

Title: Sustainability Research Intern

Location: Ipieca London office, Basinghall Street, London EC2V 5DE (with agile working available)

Duration: 6 months For more info visit <https://spillcontrol.org/job-vacancies/>

INCIDENT REPORTS

YEMEN: DUE TO OIL SPILLS, SEVERE ENVIRONMENTAL POLLUTION REPORTED NEAR ADEN

July 25 - Recent satellite images have showed severe environmental and coastal pollution resulting from an oil spill off the port of Aden.

“The port of Aden continues to face multiple sources of oil pollution, starting on July 5 with a 14-kilometer-thick oil spill visible, likely from a single ship,” Wim Zwegenberg, Head of the Humanitarian Disarmament Project at European Space Photography, said on his Twitter account. He added, “The oil spills that were seen on July 21, 2022, which led to marine and coastal degradation and pollution, are still ongoing.” T

The European official published more photos on his account showing more spills seen from various ships, between July 5 and July 21. Alkhabaralyemeni / [Read more](#)

VENEZUELA: OIL SPILL POLLUTES ENVIRONMENTALLY SENSITIVE AREA

July 26 - Crude oil spilling from one of state-run PDVSA’s joint ventures has hit an environmentally sensitive area at Venezuela’s eastern region, three sources close to the operations said on Tuesday.

Oil spills and gas leaks have become frequent in recent years in Venezuela, where lack of investment and delayed maintenance have contributed to the deterioration of PDVSA’s aging energy infrastructure.

The leak came from an oil well at Platform G, one of the sources said, referring to infrastructure located at the Pedernales shallow-water field in eastern Venezuela. It was first discovered on Saturday, according to the sources. The platform belongs to PDVSA-controlled joint venture Petrowarao. Anglo-French oil company Perenco has a 40%-stake in the largely idled project. “That area is dilapidated and abandoned. It has old rusty wells that still have crude trapped inside,” the source said.

Photos provided by the sources, seen by Reuters, showed a long black stain at the shore and in the Orinoco River’s waters, near fishing towns in the Orinoco Delta. The photos also showed crew with protective gear cleaning up the beaches. KFGO / [Read more](#)

CANADA: CLEANUP OF HISTORIC OIL SPILL IN NORTHERN CANADA UNDERWAY, SOURCE STILL UNKNOWN

July 27 - There’s an iridescent shine on the wet pavement near the foot of the Northwest Territories Power Corporation property along the Mackenzie River, in Inuvik. It comes from a historic oil spill that was only discovered last week. Now, it’s being contained and cleaned up.

Doug Prendergast, the communications manager for the Northwest Territories Power Corp. (NTPC), said the company was quick to act. As soon as evidence of a spill was discovered along the river by River Road, and reported via the NWT 24-Hour Spill Report Line on July 21, a team was sent over to deal with it.

Prendergast said it’s possible the oil came from an old pipe used to offload oil from barges in the 1970s and ’80s. “A lot of that pipe was removed, further away from the river, but there may have been a section that was kept in place and capped,” he said.

CBC News / [Read more](#)

USA: MISSISSIPPI - MORE THAN 2,000 GALLONS OF FUEL OIL SPILL IN RIVER NEAR KENNER, COAST GUARD SAYS

Photo Courtesy of the U.S. Coast Guard



July 29 - Up to 2,100 gallons of oil has spilled in the Mississippi River from a tanker near Kenner, the U.S. Coast Guard said Friday.

The ship, Hafnia Rhine, spilled the fuel oil into the river Thursday while fueling a barge at the river's mile marker 115 in Ama, Louisiana. The oil spread to at least 50 barges in the area, the Coast Guard said in a statement.

Coast Guard pollution responders deployed to the scene Thursday just after 6 p.m. and the spill was stopped, the release said. Since then, the National Response Corporation and Environmental Safety and Health Consulting Services were hired to help remove the oil from the water, according to the Coast Guard. Nola / [Read more](#)

FOR YOUR INFORMATION

In the Maritime Bulletin, Mikhail Voytenko regularly advises on vessel abandonments, groundings and sinkings – several every week – but, unless there is an immediate and significant release of oil or chemicals, spillages are not reported. However many of Mikhail's reports cover incidents that may have potential to cause pollution. To view all of his reports, visit <https://www.maritimebulletin.net/>

Many significant spills are not reported in media your editor is able to access. He is looking for more help from Members, and especially Members of Council (ISCO's National Representatives) for receipt of spill reports for publication in the ISCO Newsletter.

ANNOUNCING NEW PRODUCTS & SERVICES

Disseminating news about new technical developments is of value to our community. Corporate Members are invited to contribute articles.

Corporate Members of ISCO can benefit from submitting news about new products and services in the "News from ISCO Members" section of the ISCO Newsletter. This is a free facility for Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 60 countries, it's a cost-effective way to promote your company.

Because the ISCO Newsletter is initially prepared as a Word document it's essential that text and photographs submitted can be easily copied and pasted into the preliminary draft of the newsletter. Please note that submissions must also comply with ISCO's editorial policy.

TIMELY PAYMENT OF MEMBERSHIP RENEWAL FEES

ISCO is grateful that most members pay their annual dues on time but unfortunately there are exceptions. All members are reminded that membership fees should be paid annually in advance on the date of the anniversary of the date on which you first joined the organization.

Currently, our Membership Director Mary Ann Dagleish is spending a considerable amount of time in chasing up overdue subscriptions. This task is made even more difficult in cases where invoices and reminders get bounced because contact details are no longer valid. If you have not received an invoice or payment reminder please contact Mary Ann at mrydetroit@aol.com without delay.

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