

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)

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- 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 BANNER BELOW FOR MORE INFORMATION



IMO MOVES TO AMEND SOLAS REQUIRING REPORTING CONTAINERS LOST AT SEA

[From an article published on September 27th in *The Maritime Executive*]



(Photo courtesy of IMO)

The Maritime Safety Committee of the International Maritime Organization has moved a step closer in its efforts to institute mandatory reporting requirements for containers lost overboard. The most recent focus on the safety issues related to lost containers and the need for reporting requirements, as well as efforts to reduce the loss of containers, started at the May 2021 meeting of the Safety Committee in response to a recent rash of container accidents.

The industry has recognized the growing dangers after a series of high-profile incidents in 2020 and 2021. While the WSC estimated an average total of 1,382 containers were lost at sea each year in 12 years (2008-2019), an unusually high number of weather-related incidents especially in the winter of 2020-2021 drove the averages higher. The WSC calculates over the past two years, the average was over 3,100 containers lost each year and with the size of ships continuing to increase the danger continues to grow.

Among the other provisions is a requirement to report the position and number of containers. Specific clauses focus on the reporting of hazardous materials that might be in the containers.

[Read the complete article in The Maritime Executive](#)

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

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<https://www.facebook.com/groups/388528312842431>

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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)

[About Professional Membership](#)
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ISCO NEWS

RECSO ENVIROSPILL CONFERENCE IN BAHREIN

Mr Matthew Sommerville will be representing the organization at this event. The theme of the conference, which takes place from 11-13 October 2022 is "Sustainable Clean Seas - Readiness, Response, Resilience" and we commend this event to you.

Quite a few ISCO Members will be exhibiting or participating in the conference. ISCO will not have a booth in the exhibition but Matthew is looking forward to seeing you and hopes to interest potential new members in the benefits of ISCO membership.

ISCO PRESENT AT THE XVIII CONFERENCE OF OIL MARITIME TERMINAL AND MONOBUOY OPERATORS - CARTAGENA DE INDIAS (COLOMBIA)

ISCO will be represented by Carlos Sagrera, ISCO Representative for Latin America.

Between October 5 and 7, ISCO will be present in Cartagena de Indias (Colombia) during the XVIII Conference of Maritime Oil Terminal and Monobuoy Operators, organized by SLOM (Latin American Society of Maritime Oil Terminal and Monobuoy Operators). Since 2005, SLOM has held the aforementioned Conferences annually, with the main objective of sharing experiences and knowledge acquired in the operation and maintenance of Oil Maritime Terminals with the aim of making the oil maritime ports of Latin America safer, more efficient, cleaner and more competitive.

The program of the event includes an AMPP-SLOM conference on integrity management and corrosion control in the operation of oil maritime terminals, as well as the 4th Regional Maritime Forum of South and Central America of OCIMF (Oil Companies International Maritime Forum), jointly with the activities of the SLOM Conference, which includes technical conferences and workshops on the Management Model in the different stages of operations; News and good practices in the manufacture and operation of marine hoses; Integrity management and inspection of submarine pipelines.

<https://www.jornadaoperadores.slom.co/es/programacion>

MEMBERS GUIDE TO ISCO PART 1

CLARIFICATIONS – COMMITTEES, OFFICERS & MEETINGS

This is the first of an occasional short series of information releases for the guidance of Members

At some of our recent online Members Monthly Meetings it has been apparent that some participants have been finding some of the terms somewhat confusing. In the interests of good understanding, the following aims to be helpful.

COMMITTEES

- **Executive Committee (EC)** – This committee is responsible for oversight of all ISCO's activities and operations, ensuring that the provisions of organisation's Constitution are strictly followed. The EC is composed of elected members and has to approve the formation of other committees and policies followed by the organisation.
- **Secretariat** – This is a group of Members selected from the EC and charged with responsibility for managing day-to-day activities of the organisation.
- **Interim Executive (IE)** – A small temporary group of members of the Executive Committee established to fulfil the office of the **President** until a successor to the late Mr David Usher is appointed.
- **ISCO Council** – Collectively the ISCO's representatives in a number of countries or regions where ISCO has members. The ISCO Council is a non-executive body.



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OFFICERS– Note that **all** appointments are confirmed at the AGM.

- **President** – The **Chair** of the EC elected by the membership at the Annual General Meeting (AGM).
- **Secretary-General** – A member appointed by the Annual General Meeting and charged with overall responsibility for many tasks associated with the day-to day operations of the organisation, including the leadership of the Secretariat.
- **Vice-Presidents** – Members of the Secretariat charged with specific responsibilities such as Membership and Newsletter production.
- **Treasurer** – A member of the Secretariat appointed by the President with responsibility for accounting and budgeting, liaison with bank and auditors.
- **Members of ISCO Council** – National Representatives of ISCO – May be proposed by members and subsequently co-opted by Secretariat. If more than one candidate is proposed, an in-country election usually takes place.
- **ISCO Ambassadors** – Members nominated by the Secretariat to undertake special responsibilities in specified geographical areas.

MEETINGS

- **Annual General Meeting** - Meeting of all members called each year by the President who issues notice of meeting, agenda and other papers at least 30 days before date of meeting. May be a face-to-face, hybrid or remotely held meeting.

Members who are unable to attend have the right to vote by proxy or before the AGM by e-mail.

- **Monthly Members Meeting** - Open to all members via Zoom or other platform. Agenda issued but Members may raise and discuss other issues after agenda items have been addressed. It is a forum for Members to discuss ISCO matters and exchange ideas.
- **Executive Committee Meeting** –May be face-to-face, hybrid or remote. Attendance is usually restricted to members of EC (including members of Secretariat) but at discretion of the President one or more guests may be invited to attend.
- **Secretariat Meeting** – As above but attendance restricted to members of Secretariat.
- **IE Meeting** – As above but attendance restricted to members of the IE.



JOHN NOBLE REPRESENTED ISCO AT IMO MARITIME DAY RECEPTION

John Noble, ISCO Ambassador for London & Southampton, pictured with Ambassador Dwight Gardener, the Antiguan representative at IMO and head of the Marine Department in Antigua. (Photo courtesy of IMO)

ISCO MEMBERS SEPTEMBER MEETING

The Members Monthly Meeting on 29th September was chaired by VP (Membership) Mary Ann Dalgleish and attended by 17 Members.

John Wardrop, Member of the ISCO Secretariat, gave a presentation on the proposed and existing Working Groups.

A full report will be published in the next ISCO Newsletter.

INTERNATIONAL & REGIONAL NEWS

NEW BIODIVERSITY COMMITMENTS ANNOUNCED AS WORLD LEADERS DECLARE NATURE SUMMIT COP15 A PRIORITY

September 21 - New commitments aimed at catalyzing biodiversity finance and conservation were unveiled today at a high-level event convened on the sidelines of the UN General Assembly to showcase action and support for a nature-positive world.

New initiatives announced include €0.87 billion of new funding from the German government; a 10 point plan for financing biodiversity, endorsed by 16 initial countries; and the next phase of the High Ambition Coalition for Nature and People (HAC for Nature

INTERNATIONAL & REGIONAL NEWS (CONTINUED)

and People 2.0), supporting the protection of at least 30% of land and ocean globally, announced by the Minister of Foreign Affairs of Costa Rica on behalf of the President of Costa Rica. An accelerator for action on biodiversity was also announced by the Minister of Environment and Sustainable Development of Colombia on behalf of the President of Colombia. The GEF / [Read more](#)

PLASTIC POLLUTION: SHIPPING SECTOR URGED TO CRACK DOWN ON NURDLE SPILLS

September 27 - The call to action comes from NGO Flora and Fauna International (FFI), which has this week published a new report tracking the scale of pellet pollution and making recommendations for tackling the issue.

According to their report, 11.5 trillion nurdles – lentil-sized pieces of plastic – end up in oceans every year. Nurdles are used to make a majority of the world’s plastic products; manufacturers melt them down and form them into packaging and products.

Nurdle spills are often the result of poor packaging, mishandling or shipping accidents and disasters. For example, the X-Press Pearl cargo ship caught fire and sank in 2021, leading to the spillage of 1,600 tonnes of nurdles. Sri Lankan communities have been dealing with the resulting microplastic pollution on their beaches ever since. Other communities affected by similar disasters include New Orleans, Durban, Cape Town and Tairua Beach in New Zealand.

The headline recommendation is that the IMO – which is a UN Body – classifies nurdles as marine pollutants. This would force cargo shipping operators to meet stricter requirements on handling and disclosures. The IMO should also, FFI argues, press states signed up to its rules on preventing pollution from ships to ratify and implement aligned legislation.

“While the early advocates for tackling pellet loss and adopters of voluntary methods should be applauded for their efforts, it is clear that voluntary methods alone are insufficient to level the playing field and drive the systemic change needed to stop this form of pollution, both on land and at sea,” the report states. EDIE.net / [Read more](#)

ITOPF JOINS STANDARD CLUB VIDEO SERIES ON ALTERNATIVE FUELS

September 28 - ITOPF took part in The Standard Club’s video series on alternative fuels with Technical Adviser, Andrew Le Masurier representing ITOPF.

The series is called: ‘Spill response and implications of alternative fuels: Biofuels and Liquefied natural gas (LNG)’ and featured Eva Kelesidou, Senior Claims Executive for The Standard Club alongside Andrew. ITOPF / [Read more](#)

SEMI-NATURAL CONDITIONS PROMOTE ECOLOGICAL RECOVERY OF URBAN STREAMS

September 28 - This study considers the potential for recovery of invertebrate communities in urban streams based on 12 years of data from a city in Lower Saxony, Germany. The researchers report that streams with natural features and good water quality tended to recover well, given suitable climatic conditions Environment EC / [Read more](#)

NEW EDITION OF ITOPF ANNUAL REVIEW & NOTICE OF AGM 2022

September 29 - ITOPF has just published its Annual Review for 2022. This report incorporates financial statements for the year ending 20th February 2022 and provides notice of its Annual General Meeting in London on 16th November 2022. ITOPF / [Read more](#)

NEWS REPORTS FROM AROUND THE WORLD

AUSTRALIA: EMERGENCY EXERCISE BOUND FOR THE BELLARINE

September 29 - The Victorian Department of Transport and the Australian Maritime Safety Authority (AMSA) will put their emergency response capabilities to the test in a large-scale exercise along the Bellarine Peninsula next week.

From October 4-6, local residents and visitors to the area will see an increase in on-water, shorefront and aerial activity as part of the maritime emergency simulation, codenamed Exercise Kunawarra. Exercise Kunawarra is a full-field exercise which will involve vessels, aircraft and first responders from a range of local, State and Federal agencies. AMSA / [Read more](#)

CANADA: COAST GUARD CELEBRATES 60TH ANNIVERSARY, DEMONSTRATES ARCTIC ENVIRONMENTAL RESPONSE CAPACITY IN IQALUIT, NUNAVUT

September 23 - A busy week of environmental response training ended in celebration with a community open house event in Iqaluit, Nunavut, last week.

The Canadian Coast Guard held a training exercise involving a simulated marine oil spill clean-up operation on Thursday, September 15th. Canadian Coast Guard / [Read more](#)

CANADA: STATEMENT BY MINISTER ALGHABRA ON WORLD MARITIME DAY

September 29 - "The Government of Canada is taking action in innovative ways, with the help of the latest technologies to achieve a world-leading marine transportation system that protects and preserves our coasts and reduces the impact of marine transportation on our environment" Transport Canada / [Read more](#)

CHILE: TENGLO PLAN: 2.5 TONS OF WASTE EXTRACTED IN SEABED CLEANING IN PUERTO MONTT

September 28 - The Captaincy of the Port of Puerto Montt carried out the first operation to clean the seabed in the context of the "Tenglo Plan". The activity was carried out in the sector called "Los Torreones" in the Tenglo Channel and was attended by a group of 10 divers, belonging to the Rescue Party of the Vta. Naval Zone, the Maritime Government of Puerto Montt and companies in the maritime sector. Directemar / [Read more](#)

CROATIA: EXERCISE 'SEA 2022' – ZADAR



Photo courtesy of ATRAC

September 28 - On the day of September 22nd 2022, ATRAC was a part of an exercise that was held in the city of Zadar. This exercise was organized by the County Operational Center (COC) of Zadar County with which ATRAC has a contract, and it had a supervising role. Members of Zadar County COC, Harbour Master's Office of Zadar, Maritime police of Zadar and members of Ciklon d.o.o. company have also participated in this exercise alongside ATRAC.

Exercise started at 9:43AM, when the Port captain of Zadar informed the 112 emergency center of an accidental pollution that was simulated by using popcorn. The pollution was located between the Gazenica port and the town of Preko on the island of Ugljan. This exercise was used as a mean of testing the response time, functionality of emergency contacts and the use of booms and skimmers for removal of pollution. Ciklon d.o.o. used their own equipment to test their team's preparedness for accidental spills. ATRAC / [Read more](#)

CYPRUS: UNEP/MAP AT THE ENVIRONMENT FOR EUROPE MINISTERIAL CONFERENCE

September 20 - The [UNECE Ninth Environment for Europe \(EfE\) Ministerial Conference](#) will be held in Nicosia, Cyprus, from 5-7 October 2022. This is the first time that the event takes place in a Mediterranean country. The conference will be preceded by the [Special Session of the Committee on Environmental Policy \(3-4 October 2022\)](#) and the [Special Session of the Steering Committee on Education for Sustainable Development \(4 October 2022\)](#). The third High-level Meeting of Education and Environment Ministries will take place in the immediate aftermath of the 9th EfE Ministerial Conference. UNEP / [Read more](#)

DENMARK: OIL SPILL FEARS IF RUSSIAN TANKERS SHUN PILOTS FOR TRANSIT THROUGH DANISH CHANNEL

September 27 - The narrow straits of Denmark and Sweden are used for tankers shipping oil of Russian origin. In response to the suggestion that tankers directly violating sanctions were less likely to use pilot services, Danish Shipping said accident prevention was more important than geopolitics as there are environmental concerns should oil spills occur. Lloyds List / [Read more](#)

ISRAEL: SUBREGIONAL WORKSHOP IN ISRAEL

September 29 - From 20 September 2022 to 22 September 2022 Cyprus, Greece and Israel, met in Netanya Israel for a two-day Sub-regional workshop on Shoreline Clean Up assessment Technique (SCAT) and the third periodic Meeting organized within the framework of the Trilateral Agreement, signed on 2018, on the Sub regional Marine Oil Pollution Contingency Plan between the three countries (the Plan). REMPEC / [Read more](#)

ITALY: ISPRA PROGRAM OF ENVIRONMENTAL EDUCATION AND SUSTAINABILITY

September 23 - The ISPRA program of environmental education and sustainability initiatives for the school year has been published aimed at schools with which ISPRA intends to contribute to the development in the younger generation. ISPRA / [Read more](#)

KUWAIT : LAUNCH OF THE PROFESSIONAL ENTREPRENEUR PROGRAM AT THE ECO INCUBATOR FOR ENVIRONMENT AND RENEWABLE ENERGY

September 19 - The "Professional Entrepreneur" program was launched at the Eco Incubator for Environment and Renewable Energy, in cooperation with the Public Authority for Youth, which aims to educate young people about the environment and the green economy and how to manage environmental projects and raise the efficiency of Kuwaiti youth and qualify them in the field of entrepreneurship. Kuwait EPA / [Read more](#)

NEW ZEALAND: WORLD MARITIME DAY: NEW TECHNOLOGIES FOR GREENER SHIPPING

September 29 - Maritime NZ Board Chair Jo Brosnahan says harnessing new technology for a sustainable future correlates strongly to Maritime New Zealand's vision and values. Maritime NZ will be showcasing new technology deployed by the Ports of Auckland and Emirates Team New Zealand at a World Maritime Day event on 29 September in Auckland. MaritimeNZ / [Read more](#)

NIGERIA: BUHARI REGIME PLANS TO CLEAN UP 2,196-HECTARE POLLUTED OGONI SHORELINE

September 28 - President Muhammadu Buhari's regime on Tuesday reiterated that it had concluded plans to commence the remediation of hydrocarbon-contaminated shoreline covering about 2,196 intertidal in Ogoniland, Rivers. Ferdinand Giadom, the project coordinator of the Hydrocarbon Pollution Remediation Project (HYPREP) under the federal ministry of environment, announced this at a sensitisation workshop in Gokana. Mr Giadom said the remediation of the 2,196-hectare shoreline was the largest cleanup in the world. According to him, the cleanup will create thousands of job opportunities and enhance the livelihoods of Ogoni youths and their dependents. Peoples Gazette / [Read more](#)

NIGERIA: UNEP SUPPORT PROJECT FOR HYREP – AUGUST NEWSLETTER



Photo: The King during a monthly meeting with CRAC and HYPREP's Project Coordinator. Photo courtesy of UNEP

September 28 – Includes -

- Interview with His Royal Highness King Dr. Suanu, King of Bangha
- Employment Outlook in Clean-Up Operations in Ogoniland
- Mission Outputs – August & September 2022
- Training Programme for HYREP

[Download the newsletter](#)

UK EXPERTS DRIVE PERU'S ONGOING RESPONSE TO FEBRUARY'S OIL SPILL IN THE PACIFIC OCEAN

September 27 - Lima, 26th September. - Between 20 and 23 September, a team of UK-based pollution response experts from the Joint Nature Conservation Committee (JNCC) and the Centre for Environment, Fisheries and Aquaculture Science (Cefas), delivered the workshop "Marine Pollution Response: preparedness and best practise from the UK", with Peruvian Governmental authorities.

The workshop also covered a range of topics including response options, use of satellite and drone technology, socio-economic impacts of spills, evaluating impacts to marine birds and marine mammals, post-spill monitoring and hydrocarbon analysis and fingerprinting. It also included presentations from UK Deputy to the Secretary of State's Representative for Maritime and Salvage, and sessions from oiled wildlife response organisation Aiuka. UK Gov / [Read more](#)

UK: MULTI-AGENCY OIL SPILL EXERCISE TO BRING COUNTER POLLUTION PARTNERS TOGETHER OFF THE ISLE OF WIGHT

September 28 - A multi-agency oil spill exercise will take place off the coast of the Isle of Wight and along the Solent both today (Wednesday) and tomorrow.

The live on-the-water exercise involves simulating an oil spill incident to test response equipment and instruct personnel on best-practice procedures.

It will mark the first time the Maritime and Coastguard Agency (MCA) and Oil Spill Response Limited (OSRL) have collaborated on this type of activity, alongside aviation operators 2Excel and RVL. Island Echo / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

September 26 – Please click on the links below to download and read the latest News Reports from NOAA OR&R

[OR&R Director Speaks at 13th Natural Resources Symposium | response.restoration.noaa.gov](https://response.restoration.noaa.gov)

On Sept. 15 and 16, the 13th Natural Resources Symposium "Natural Resources at a Crossroads" reconvened at George Washington University.

[NOAA Provides Technical Support in South Korea for Longest-Running International Marine Debris Conference Series | response.restoration.noaa.gov](https://response.restoration.noaa.gov)

On Sept. 18-23, 2022, staff from NOAA's Marine Debris Program, within the Office of Response and Restoration, supported and participated in the 7th International Marine Debris Conference(link is external) in Busan, Republic of Korea.

[Scientists Teach Oil Spill Basics in Monthly Lecture Series | response.restoration.noaa.gov](https://response.restoration.noaa.gov)

When things don't go as planned, and oil hits the water, people have many questions that need answers. Where will the oil go? What can be done to clean it up? How badly did it damage the environment? What is the best way to clean up the oil without making things worse? Luckily, NOAA scientists from the Office of Response and Restoration have the background and expertise to help answer each of these questions.

[ESI Program Releases Survey to Evaluate Human-Use Data | response.restoration.noaa.gov](https://response.restoration.noaa.gov)

OR&R has released a brief survey to evaluate the amount of human-use data for inclusion in Environmental Sensitivity Index (ESI) maps.

USA: SCAA'S FUTURE ENVIRONMENTAL LEADERS TRIP TO OHMSETT AND TRI-STATE BIRD RESCUE

September 26 - The idea of organizing FEL visits to the Ohmsett Facility in Leonardo, New Jersey and the Tri-State Bird Rescue and Research Center in Newark, Delaware first surfaced at SCAA's 2022 Annual Meeting & Conference in April with the purpose of expanding SCAA member employees' awareness and knowledge of the many aspects of our environmental and spill response industry. We had an enthusiastic initial response. [Read more about the visits](#)

USA: STUDY PROBES TURTLES' SURVIVAL YEARS AFTER OIL SPILL

September 27 - New research at The University of Toledo indicates that turtles rehabilitated in the wake of the accident had exceptional long-term survival rates, 12 years after an oil spill covered roughly 35 miles of the Kalamazoo River.

Deviscourse / [Read more](#)

USA: EPA ANNOUNCES BILLIONS IN ECONOMIC BENEFITS FROM RESOURCE CONSERVATION AND RECOVERY ACT CLEANUPS AT HAZARDOUS WASTE FACILITIES ACROSS THE NATION

September 28 - Today, EPA announced [the results of a study](#) that estimates the economic benefits of cleaning up facilities under the Resource Conservation and Recovery Act (RCRA) Corrective Action program.

EPA's analyses of 79 cleanups revealed that these facilities support 1,028 on-site businesses, which provide economic benefits including: \$39 billion in annual sales revenue; over 82,000 jobs; and \$7.9 billion in estimated annual employment income. EPA also [developed brief profiles](#) for more than 40 facilities to showcase the economic benefits that can be fostered through RCRA Corrective Action cleanups. [Learn more about corrective action on our website](#)

VENEZUELA: COMMENT ON RECENTLY REPORTS ON MASSIVE FIRES



Carlos Sagrera, ISCO representative in Latin America, has provided some more information about the recent fires in Venezuela.

In relation to the news of ISCO Newsletter No. 857 on "Two Massive Fires hit Refinery Complex in Venezuela", it is confirmed by the Authorities that they have been controlled. Indeed, in the space of a week there have been two major fires: one in the Puerto La Cruz Refinery and the other in a tanker moored at

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

at an attached dock in Guaraguao, both run by the state operator PDVSA. In the case of the Refinery fire, the authorities indicated that the cause was a lightning strike that struck a treatment lagoon with a mixture of water and hydrocarbon residues from its operations.

In the case of the tanker whose name was not released, the authorities indicated that the cause was the rupture of a loading arm. No victims were reported, but there is extensive coverage with photos and videos of the population denouncing the incident. Unlike other previous incidents, on this occasion the Government authorities immediately reported the incident and the actions to control it. The Venezuelan oil industry suffers endemically from incidents during its operations, which reflects the effects on its maintenance and human errors, which are not publicly recognized by PDVSA. Below are links to the press in Spanish including photos that have been published about both incidents.

<https://elpais.com/internacional/2022-09-20/un-aparatoso-incendio-afecta-a-la-refineria-de-pdvs-a-en-el-orient-e-de-venezuela.html>
<https://elestimulo.com/de-interes/2022-09-19/puerto-la-cruz-por-que-se-incendio-la-refineria-guaraguao-pdvs-a/>
<https://www.vtv.gob.ve/combaten-incendio-rayo-refineria-puerto-la-cruz/>
<https://comunicacioncontinua.com/se-incendia-tanque-de-combustible-de-un-buque-en-anzoategui/>
<https://www.lapatilla.com/2022/09/17/embarcacion-que-surtia-combustible-se-incendio/>
<https://b1tly4n3s.com/nacionales/ultima-hora-las-imagenes-mas-impactantes-de-las-inmediaciones-de-pdvs-a-guaraguao-tras-el-incendio-fotos-y-videos/>

PEOPLE IN THE NEWS

USA: SCAA – CHANGE OF EXECUTIVE DIRECTOR

Excerpts from a letter from Nelson Fetgatter, SCAA President, announcing changes –

“I wanted to inform you all that John Allen, who has served as the Spill Control Association of America’s (SCAA) SCAA’s Executive Director role for the past twelve years, will be stepping back from his duties by the end of 2022. This is a move that John and I have talked about for some time now, as he tries to strike the balance between serving the Association and spending time with his family”.

“With John’s departure, I’m pleased to announce that Brian House has been appointed as Executive Director of the Association, effective October 1st. Brian is an experienced and highly-regarded leader in our industry, having spent his entire career in the environmental and emergency response field”. [Read the complete text of the letter from SCAA President, Nelson Fetgattar](#)

SCIENCE & TECHNOLOGY

If you are interested in new technology you might find it useful to visit Technology Innovation News Survey at <https://clu-in.org/products/tins/> and Tech Direct at <https://clu-in.org/techdirect/archive/>

MIT ENGINEERS BUILD WIRELESS UNDERWATER CAMERA THAT DOESN'T NEED BATTERIES

September 26 - New underwater camera could help scientists explore unknown regions of the ocean, track pollution, or monitor the effects of climate change.

A battery-free, wireless underwater camera developed at MIT could have many uses, including climate modeling. “We are missing data from over 95 percent of the ocean. This technology could help us build more accurate climate models and better understand how climate change impacts the underwater world,” says Associate Professor Fadel Adib.

Because it doesn’t require a power source, the camera could run for weeks on end before retrieval This would enable scientists to search remote parts of the ocean for new species. It could also be used to capture images of ocean pollution or monitor the health and growth of fish raised in aquaculture farms. SciTechDaily / [Read more](#) [Thanks to Dan Sheehan, Member of ISCO EC]

MARLINK SUPPORTS PLASTIC ODYSSEY, THE GLOBAL EXPEDITION TO REDUCE PLASTIC POLLUTION IN THE SEA AND ON LAND

September 26 - World’s first floating lab to use discarded plastic as fuel will embark on a three-year global expedition to publicise low-tech, open-source recycling solutions

Marlink, the smart network solutions company, is helping to reduce plastic pollution in the oceans by supporting the global Plastic Odyssey expedition with smart connectivity solutions.

Plastic Odyssey is the world’s first floating laboratory vessel dedicated to plastic waste recycling. The ship will use recycling solutions, including pyrolysis, to convert plastic to fuel as well as acting as local recycling unit, showcasing waste reduction initiatives and promoting new thinking around plastic use. gCaptain / [Read more](#)



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.

161. Accelerated marsh erosion following the Deepwater Horizon oil spill confirmed, ameliorated by planting

Zengel, S., Nixon, Z., Weaver, J., Rutherford, N., Bernik, B.M., Michel, J.
(2022) *Scientific Reports*, 12 (1), art. no. 13802,
DOI: 10.1038/s41598-022-18102-1

ABSTRACT: Multiple studies have examined the effects of the Deepwater Horizon oil spill on coastal marsh shoreline erosion. Most studies have concluded that the spill increased shoreline erosion (linear retreat) in oiled marshes by ~ 100–200% for at least 2–3 years. However, two studies have called much of this prior research into question, due to potential study design flaws and confounding factors, primarily tropical cyclone influences and differential wave exposure between oiled (impact) and unoiled (reference) sites. Here we confirm that marsh erosion in our field experiment was substantially increased (112–233%) for 2 years in heavily oiled marsh after the spill, likely due to vegetation impacts and reduced soil shear strength attributed to the spill, rather than the influences of hurricanes or wave exposure variation. We discuss how our findings reinforce prior studies, including a wider-scale remote sensing analysis with similar study approach. We also show differences in the degree of erosion among oil spill cleanup treatments. Most importantly, we show that marsh restoration planting can drastically reduce oiled marsh erosion, and that the positive influences of planting can extend beyond the immediate impact of the spill.

162. Optimisation of the uncertainty of oil spill identification from replicate comparative analyses: Comparison of standardised and novel identification methods

Rocha, A.C., Palma, C., Bettencourt da Silva, R.J.N.
(2022) *Chemosphere*, 308, art. no. 136201,
DOI: 10.1016/j.chemosphere.2022.136201

ABSTRACT: Oil spill identifications involve the comparison of oil fingerprints between the oil spill and suspected oil sources, defined by ratios between the abundances of oil-discriminating compounds, Diagnostic Ratios (DR). The normalised Nordtest and EN 15522-2 methodologies use Student's t statistic (S-t) or a maximum relative difference (SC) to compare mean DR from replicate sample analysis. While the S-t method assumes the normality of DR distribution, the SC method is based on controlled DR dispersion. However, when false, the assumptions and approximations adopted can lead to low true identification rates. This work presents a novel computational tool for the statistically sound oil spill identification that allows following requirements defined by EN 15522-2, the comparison of replicate DR determinations, and the use of different DR sets and formats. The tool uses the Monte Carlo Method (MCM) to describe the probability distribution of the difference of mean DR, allowing estimating the probability of the true acceptance of fingerprints equivalence. The studied methods were applied to the comparison of signals from the same oil and to a real scenario reproduced in an International Round Robin Test. The methods were compared considering the probabilities of true acceptance of oil patterns equivalence based on a single, γ , or various, δ , DR. The MCM method performs identifications with γ equivalent to the defined confidence level for the comparison, P. Since the various DR studied are not perfectly correlated, the δ is below P. The number of replicate analyses performed and the DR considered in the comparison affect identification performance. The S-t produces comparison criteria with a γ lower than P. The SC criteria for duplicate analysis is associated with a δ lower than the obtained by the MCM. A user-friendly MS-Excel spreadsheet is available to perform oil pattern comparisons using various methods and conditions.

163. Numerical simulation of multiphase oil behaviors in ice-covered nearshore water.

Raznahan, M., Li, S.S., Wang, Z., Boufadel, M., Geng, X., An, C.
(2022) *Journal of Contaminant Hydrology*, 251, art. no. 104069,
DOI: 10.1016/j.jconhyd.2022.104069

ABSTRACT: There has been an increase in marine transportation in cold regions, which in turn has led to an increasing risk of oil spills in these areas. To better support risk assessment and pollution control of oil spills, it is important to have a good understanding of oil transport in the environment. This information is essential to manage response priorities and help prepare contingency and mitigating measures. This study aims to simulate 3D wave propagation in shallow water with different broken-ice aerial coverage percentages to assess the fate and transport of oil spill in a nearshore area under different conditions. Based on the Reynolds-averaged Navier-Stokes momentum equations for an incompressible viscous fluid and the Volume of Fluid (VOF) method that is coupled with Six Degree of Freedom (6-DOF) model, a 3D numerical model of three-phase transient flow was developed. It was found that the presence of ice makes the spreading of spilled oil slower in the horizontal direction since the ice can build natural barriers to oil movement. The higher the ice concentration, the slower spilled oil migrates in all directions. The maximum oil volume fraction varies with increasing ice

coverage on the water surface area. The wave frequency, the averaged flow velocity, and oil properties affect the oil spread extent and the oil volume fraction. The dumping effect of the wave due to the presence of ice makes the impact of this factor less critical than those in open water.

164. Parasite communities in a marine fish indicate ecological recovery from the impacts of the Prestige oil-spill 12–13 years after the disaster,

Pérez-del-Olmo, A., Raga, J.A., Kostadinova, A.
(2022) *Science of the Total Environment*, 847, art. no. 157354,
DOI: 10.1016/j.scitotenv.2022.157354

ABSTRACT: The Prestige oil-spill (2002) is one of the major marine accidents resulting in contamination of virtually all types of marine habitat along c.900 km of coastline in the North-East Atlantic. Environmental pollution affects parasite populations and communities, both directly and through effects on intermediate and definitive hosts. However, the effects of oil-spills on shelf benthic communities are poorly known. This study addressed the hypothesis of recovery of parasite communities in a marine sparid teleost, the bogue *Boops boops* (L.) (Teleostei: Sparidae), as indicators of environmental pollution and its effects on benthic/pelagic invertebrate communities in an impacted area off the Galician coast, Spain, 12–13 years after the Prestige oil-spill. Novel data for the metazoan parasite communities collected during 2014–2015 were analysed in association with two unique datasets, one comprising baseline data collected in 2001, one year before the Prestige oil-spill, and one comprising data collected 3–4 years post-spill (2005–2006). Using the taxonomically consistent data on parasites in a series of fish seasonal samples, we found significant differences between the two seasonal post-spill datasets taken at a 9-year time interval (3–4 years and 12–13 years post-spill) in most community metrics and infection parameters of the common species. This was in sharp contrast with the few differences between the long-term post-spill dataset of 2014–2015 and the pre-spill dataset of 2001. Multivariate community similarity analyses confirmed that these differences reflected in the substantial differentiation of parasite community composition and structure of the post-spill communities and the significant homogenisation of communities sampled 12–13 years post-spill and baseline communities. Overall, the novel analyses demonstrated a long-term directional trend in parasite community succession towards ecological recovery irrespective of the natural seasonal variability. These findings suggest longer-term oil-spill impacts on shelf benthic/pelagic invertebrate communities lasting over 10 years.

165. Assessment of the Brazilian Coast Oil Spill Impact in the fish eggs and larvae development from the Tropical Continental Shelf.

de Souza, C.S., de Oliveira Mafalda, P., Jr., de Kikuchi, R.K.P., Dominguez, J.M.L.
(2022) *Regional Studies in Marine Science*, 56, art. no. 102635,
DOI: 10.1016/j.rsma.2022.102635

ABSTRACT: The response of ichthyoplankton assemblage to the oil spill in the coastal region of Brazil Northeast on August 2019 was investigated using data of before and after spill from plankton survey off the coast of Salvador. Differences in fish egg and larvae density was evident in all samples collected in the continental shelf of Salvador, after oil spill (Oct/2020 and Feb/2021). In general larvae larger than 5 mm tended to occur predominantly before oil spill, while smaller larvae (1–3 mm) occurred predominantly after oil spill, mainly in October/2020. Abnormalities in embryonic development, deformity in the spine and yolk sac edema were found in fish eggs and larvae sampled in the Salvador continental shelf. Rate of abnormalities in embryonic development were significantly increased after oil spill (Oct/2020, Feb/2021) compared to before oil spill period (Oct/2013, Feb/2014) and high incidence of larvae with spinal deformities was observed after oil spill, about 65% of the larvae sampled in the BA 2 station on October 2020 presented deformity in the spine. The fluid accumulation in the yolk sac (edema) were observed only after oil spill on October 2020. The results of this study indicate negative impact of oil spill in the coastal region of Brazil Northeast on structure of ichthyoplankton assemblages in the continental shelf of Salvador.

166. Aqueous naphthenic acids and polycyclic aromatic hydrocarbons in a meso-scale spill tank affected by diluted bitumen analyzed directly by membrane introduction mass spectrometry.

Monaghan, J., Xin, Q., Aplin, R., Jaeger, A., Heshka, N.E., Hounjet, L.J., Gill, C.G., Krogh, E.T.
(2022) *Journal of Hazardous Materials*, 440, art. no. 129798,
DOI: 10.1016/j.jhazmat.2022.129798

ABSTRACT: With the increasing use of unconventional, heavy crude oils there is growing interest in potential impacts of a diluted bitumen (DB) spill in marine and freshwater environments. DB has the potential to release several toxic, trace organic contaminants to the water column. Here, the aqueous concentrations and compositions of two classes of organic contaminants, naphthenic acids (NAs) and polycyclic aromatic hydrocarbons (PAHs), are followed over 8 weeks after a simulated spill of DB (10 L) into a freshwater mesocosm (1200 L) with river sediment (2.4 kg). These complex samples contain biogenic dissolved organic matter, inorganic ions, petroleum contaminants, suspended sediments, and oil droplets. We report the first use of condensed phase membrane introduction mass spectrometry (CP-MIMS) as a direct sampling platform in a complex multi-phase mesocosm spill tank study to measure trace aqueous phase contaminants with little to no sample preparation (dilution and/or pH adjustment). CP-MIMS provides complementary strengths to conventional analytical approaches (e.g., gas- or liquid chromatography mass spectrometry) by allowing the entire sample

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

series to be screened quickly. Trace NAs are measured as carboxylates ([M-H]⁻) using electrospray ionization and PAHs are detected as radical cations (M+•) using liquid electron ionization coupled to a triple quadrupole mass spectrometer. The DB-affected mesocosm exhibits NA concentrations from 0.3 to 1.2 mg/L, which rise quickly over the first 2 – 5 days, then decrease slowly over the remainder of the study period. The NA profile (measured as the full scan in negative-electrospray ionization at nominal mass resolution) shifts to lower m/z with weathering, a process followed by principal component analysis of the normalized mass spectra. We couple CP-MIMS with high-resolution mass spectrometry to follow changes in molecular speciation over time, which reveals a concomitant shift from classical 'O2' naphthenic acids to more oxidized analogues. Concentrations of PAHs and alkylated analogues (C1 – C4) in the DB-affected water range from 0 to 5 µg/L. Changes in PAH concentrations depend on ring number and degree of alkylation, with small and/or lightly alkylated (C0 – C2) PAH concentrations rising to a maximum in the first 4 – 8 days (100 – 200 h) before slowly decaying over the remainder of the study period. Larger and heavily alkylated (C3 – C4) PAH concentrations generally rise slower, with some species remaining below the detection limit throughout the study period (e.g., C20H12 class including benzo[a]pyrene). In contrast, a control mesocosm (without oil) exhibited NA concentrations below 0.05 mg/L and PAHs were below detection limit. Capitalizing on the rapid analytical workflow of CP-MIMS, we also investigate the impacts of sample filtration at the time of sampling (on NA and PAH data) and sample storage time (on NA data only).

167. Effects of lubricant oil and diesel on macrofaunal communities in marine sediments: A five year field experiment in Antarctica.

Stark, J.S.

(2022) Environmental Pollution, 311, art. no. 119885,

DOI: 10.1016/j.envpol.2022.119885

ABSTRACT: Hydrocarbons pose significant risks to marine ecosystems. A field experiment investigated the effects of four different hydrocarbon products (diesel fuel and three lubricating oils: Unused, Used and Biodegradable) on sediment macrofaunal communities over a five year period, in a shallow Antarctic marine embayment. Sediments were defaunated, treated with a hydrocarbon and deployed in trays (including a control) on the seabed. Diesel fuel had the biggest initial impact on communities, with strong effects at 5 weeks and 1 year, in particular on annelids, but also on amphipods, ostracods and cumaceans. By five years, however, the effect of diesel was less than that of lubrication oils and showed more recovery than oiled treatments and the biggest effect was from the Used oil. There was an effect of hydrocarbons on diversity, especially diesel, at 5 weeks and 1 year, but by 2 and 5 years diversity was not different or greater in hydrocarbon treatments than controls. Total abundance was always lower in hydrocarbon treatments than controls, especially for crustaceans, but annelids were more abundant in oil treatments than controls at 5 years. Oils, and in some cases diesel, enhanced the abundance of some taxa at 2–5 years, including molluscs, some polychaete families (capitellids, cirratulids, dorvilleids), oligochaetes, as well as ostracods, cumaceans and isopods. Amphipods and tanaids were most sensitive to hydrocarbons, and annelids were very sensitive to diesel. The Biodegradable oil had similar magnitude community effects to standard oil at 5 years, but annelids were more affected by Biodegradable oil, particularly at 1 and 2 years, and it did not enhance annelid or mollusc abundance at 5 years like the other oils, except for some polychaete families. Impacts of spilled hydrocarbons in Antarctica will persist well beyond 5 years, but diesel impacts will recover faster than oil.

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>
- CHINA - <http://www.sioetc.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

TRAINING COURSE: CLASSIFICATION AND LABELLING OF CHEMICALS AND POISON CENTRE NOTIFICATIONS

From Chemical Watch – “Our online training course, Classification and Labelling of Chemicals and Poison Centre Notifications, will be taking place on 2 December.” [More info](#)

NEWFOUNDLAND: Contaminated Sites Health & Safety Training (40-Hour Hazwoper), St Johns, Nov. 14-18

<https://econext.ca/contaminated-sites-health-safety-training-40-hour-hazwoper/>

UPCOMING EVENTS

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

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NEWLY ADDED TO THE UPCOMING EVENTS PAGE

- **OSRL TPR Series Webinar on Dispersants, October 18, 1430-1500 Andy Nicol**

RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- **Webinar - ExxonMobil Oil Spill Response Knowledge Transfer Webinar Series - “A brief but spectacular story about the creation of the ESI shoreline ranking concept, and the oil behavior, impacts, response options, and recovery in marshes” Dr. Jacqueline Michel (Research Planning, Inc.), : November 1st, 2022, 10-11:15 am Houston time (due to the conflict with IOSSC conference, we postponed the October webinar to November)**
- **Webinar – Remediation & Management of PFAS & Other Emerging Contaminants, 2nd November, 1500-1630 GMT**
- **Singapore – MEPSEAS Technology Conference, 15-17 November, 2022**

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

MESSAGES FROM EVENT ORGANISERS

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

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.

[Conference Programme](#) [Registration](#) <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/>

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

The 31st Annual CLEAN GULF Conference & Exhibition takes place November 8-10 in New Orleans. Over 1,000 professionals involved in spill prevention & response from oil & gas, maritime, rail, environmental, regulatory agencies, oil spill response organizations and service companies will come together to share information and ideas on a variety of topics that effect the oil & gas industry in the Gulf. This year’s CLEAN GULF is packed full of great content and exhibitors. [Download the Digital Brochure](#)

[View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

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

At Ecomondo 2022, we present, compare and identify the most appropriate technological solutions for reducing pollution and restoring the Mediterranean macro-region, and at the same time, bring together local institutions, private and public actors and financing entities as well citizens and consumers.

[Log in to the reserved area, fill in your data, download your ticket](#) [Digital Preview](#)

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

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

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

NOSCA will arrange the next NOSCA Seminar in week 12/23 (20. - 24.03.23) in Bodø/Norway. Our main topic will be "Tomorrow's challenges and solutions within oil spill response".

Beside of two conference days, the seminar participants will be able to observe the large scale exercise "D1H" which will be carried out by NOFO and OKEA. For more information and registration please read <https://www.nosca.no/nosca-seminar/>

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

Clean Waterway takes 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 Planning Committee](#) met in Denver, CO, on September 8th to plan the conference program for the 2023 event. Made up of a group of operators, state and federal regulators, consultants, service companies and OSROs, the committee programmed a total of 12 sessions focused on the most pressing issues for spill prevention and response in the inland environment. Session descriptions and speakers will be announced next month. [More News re conference & abstract submission](#) [Registration](#) [Introduction to the Planning Committee](#)

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

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@ajp.com.au

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NEW PUBLICATIONS

LAND-BASED RUN-OFF REMAINS TOP SOURCE OF OIL IN THE OCEAN, SAYS NEW REPORT

Oil in runoff, primarily from cities and vehicles, is the top source of oil entering the ocean, says a new report from the National Academies of Sciences, Engineering, and Medicine. In North American waters, estimated ocean oil pollution from land-based runoff is up to 20 times higher than it was 20 years ago, and oil spills, natural oil seeps, and discharge from oil and gas operations remain major sources of pollution.

The report recommends actions that government and others should take to minimize oil pollution, and calls for sustained research funding to better understand how oil reaches and affects ocean environments.

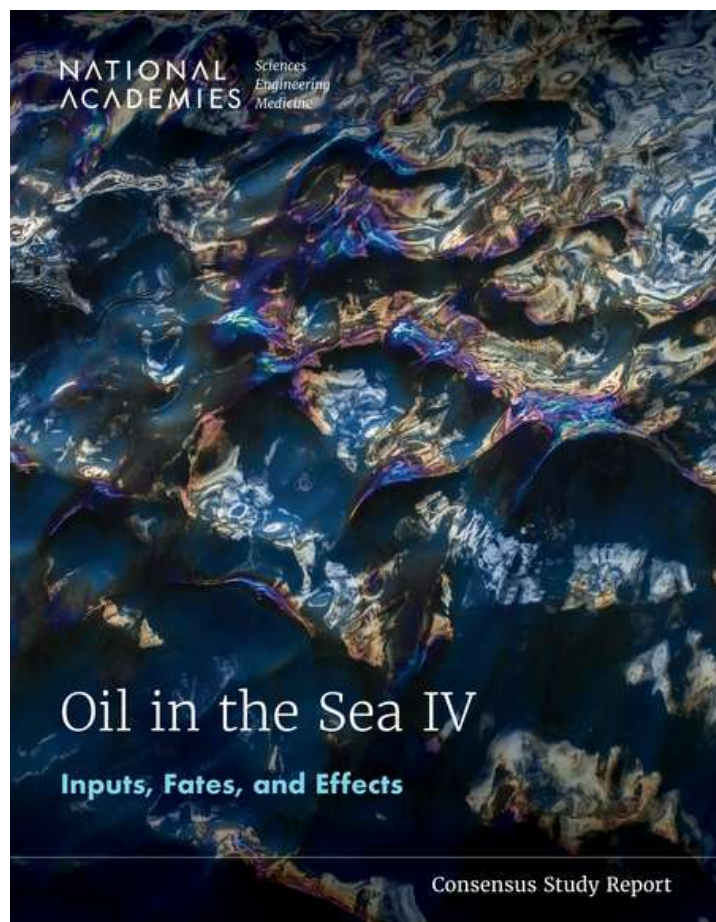
Although many economies worldwide are transitioning to more sustainable forms of energy, oil and other fossil fuels are still primary energy sources. Population growth in coastal areas and improved vehicle fuel efficiency are changing how and in what volume oil

NEW PUBLICATIONS (CONTINUED)

reaches the ocean. Aging infrastructure and the impacts of climate change — including more intense storms and sea level rise — are increasingly important factors affecting the amount of oil in the ocean.

This report serves as an update to the most recent report in this series, with the previous installment having been released in 2003. Almost two decades later, there have been significant advances in technology and science, as well as major events, such as the 2010 Deepwater Horizon oil spill, that have reinforced the importance of reducing the quantities and effects of oil in the sea. National Academies / [Read more](#)

NATIONAL ACADEMIES REPORT - OIL IN THE SEA, IV: INPUTS, FATES, AND EFFECTS



Oil and natural gas represent more than 50 percent of the worldwide energy supply, with high energy demand driven by population growth and improving standards of living. Despite significant progress in reducing the amount of oil in the sea from consumption, exploration, transportation, and production, risks remain.

This report, the fourth in a series, documents the current state-of-knowledge on inputs, fates and effects of oil in the sea, reflecting almost 20 additional years of research, including long-term effects from spills such as the Exxon Valdez and a decade-long boom in oil spill science research following the Deepwater Horizon oil spill.

The report finds that land-based sources of oil are the biggest input of oil to the sea, far outweighing other sources, and it also notes that the effects of chronic inputs on the marine environment, such as land-based runoff, are very different than that from an acute input, such as a spill. Steps to prevent chronic land-based oil inputs include reducing gasoline vehicle usage, improving fuel efficiency, increasing usage of electric vehicles, replacing older vehicles.

The report identifies research gaps and provides specific recommendations aimed at preventing future accidental spills and ensuring oil spill responders are equipped with the best response tools and information to limit oil's impact on the marine environment. [More information](#)

CORRECTION

Your Editor apologises for an error in last week's Newsletter. In the section "News Reports from around the World" there was an error in the name of a country which was indicated as Mexico. The report "OIL SPILL: REPSOL WILL PRESENT A REHABILITATION PLAN TO RECOVER AREAS STILL AFFECTED" should have referred to PERU since the news relates to the event in January in this country.

INCIDENT REPORTS

EUROPE INVESTIGATES 'ATTACKS' ON RUSSIAN GAS PIPELINES TO EUROPE

September 27 - Europe was investigating on Tuesday what Germany, Denmark and Sweden said were attacks which had caused major leaks into the Baltic Sea from two Russian gas pipelines at the center of an energy standoff. But it remained far from clear who might be behind the leaks that were first reported on Monday or any foul play, if proven, on the Nord Stream pipelines that Russia and European partners spent billions of dollars building.

German Economy Minister Robert Habeck told business leaders that the leaks were due to targeted attacks on the infrastructure and Berlin now knew for sure "that they were not caused by natural occurrences or events or material fatigue."

Sweden's and Denmark's prime ministers said the leaks were clearly caused by deliberate actions, with information suggesting likely sabotage, while Poland's premier blamed sabotage, without citing evidence.

Russia, which slashed gas deliveries to Europe after the West imposed sanctions over Moscow's invasion of Ukraine, also said sabotage was a possibility and that the leaks undermined the continent's energy security. gCaptain / [Read more](#)



Photo courtesy of Danish Ministry of Defence

September 29 - On Thursday, NATO leaders formally attributed the leaks in the Nord Stream 1 and 2 pipeline systems to "deliberate, reckless, and irresponsible acts of sabotage." Without naming a suspect, they pledged "a united and determined response" to any allied infrastructure by a state or non-state actor.

The scope of damage to the pipeline system appears to be larger than initially reported. On Thursday, the Swedish Coast Guard drew attention to a fourth leak located next to a previously-reported one in Sweden's EEZ. It was not immediately clear whether all four pipes in the Nord Stream network have now been confirmed to be ruptured. (Nord Stream 1 and 2 are each composed of two parallel pipes, four in total. [The Maritime Executive / Read more](#)

GULF OF MEXICO: PRODUCERS SHUT IN WELLS AS IAN ENTERS GULF OF MEXICO

September 27 - About 11% of oil production in the U.S. Gulf of Mexico was shut on Tuesday as a powerful Hurricane Ian forced oil companies to evacuate workers and the storm took aim at Florida.

The hurricane entered the U.S. Gulf of Mexico on Tuesday and is forecast to become a dangerous, Category 4 storm over the warm waters of the Gulf, according to National Hurricane Center (NHC) forecaster Eric Blake.

Ian weakened after crossing Cuba and was packing winds of 120 miles per hour (195 km per hour), the NHC said. It is heading toward making an extremely dangerous landfall in southwestern Florida, Blake predicted. [gCaptain / Read more](#)

September 29 - Ian was downgraded to a tropical storm after making landfall in Florida but as moved into the Atlantic Ocean it regained its hurricane strength and is heading for South Carolina and Georgia - where some people have fled low-lying areas for higher ground and other communities are braced for strong winds, heavy rains and flooding. [BBC / Read more](#)

MALACCA STRAIT - AFRAMAX TANKER COLLIDED WITH CONTAINER SHIP

September 27 - Aframax tanker ZEPHYR I collided with container ship GSL GRANIA at around 0430 LT (UTC +8) Sep 27 in Malacca Strait halfway between Malacca City and Singapore, understood both container ship and tanker in load were sailing in the same eastern direction. Tanker struck container ship stb stern, both ships sustained heavy damages, both ships have been anchored after collision and as of 2250 LT remained anchored. Tanker loaded with bitumen was en route to China, container ship was en route from Savannah to Tanjung Pelepas. [Maritime Bulletin / Read more](#)

CHINA: CARGO LOSS IN TYPHOON – 72 CONTAINERS OVERBOARD

September 28 - Report emerged that general cargo ship MRS NO.1 was caught in typhoon in East China sea E of Shanghai, and lost 72 containers overboard, with an unknown number of containers damaged. MRS NO.1 was en route from Shanghai to Port Klang Malaysia, where she arrived on Sep 27. [Maritime Bulletin / Read more](#)

PERU INDIGENOUS GROUPS BLOCK RIVER IN THE AMAZON AFTER OIL SPILL

September 29 - Peruvian indigenous groups were blocking a large river in the country's Amazon region on Wednesday in protest over a crude oil spill of an estimated 2,500 barrels in the world's largest rainforest, the government said.

The spill took place on Sept. 16 and affected several indigenous communities in Peru's Northeast region of Loreto. While Peru's environment ministry estimated the spill at 2,500 barrels, state-owned oil company Petroperu said it did not yet have an estimate.

Petroperu said in a statement that the spill had been the result of "intentional" damage done to an oil pipeline operated by the company. The pipeline transports crude from the Amazon to Peru's desert coast to be refined. [Reuters / Read more](#)

NETHERLANDS - DUTCH FISHING VESSEL STRUCK ANCHORED TANKER, OIL LEAK

September 29 - Tanker portside in superstructure area suffered a big breach, fishing vessel's bow severely damaged. Dutch fishing vessel ARM 18 struck anchored tanker GOLDEN DAISY at Ijmuiden Anchorage, Netherlands, at around 0035 UTC Sep 29. ARM 18 sustained damages, but managed to return to home port under own power. No information on tanker damages, but during Sep 29 oil leak from tanker was reported, so understood, tanker hull was breached. Anti pollution ship responded, was near tanker as of 1300 UTC Sep 29. Maritime Bulletin / [Read more](#)

September 29 - Product Tanker Holed by Fishing Boat in Busy Dutch Anchorage



Photo from Netherlands Coast Guard

The Netherlands Coastguard and the Maritime Police are onsite at the scene of an allision that took place overnight in the busy Ijmuiden anchorage off the coast of the Netherlands. The authorities are reporting that a small oil leak from the tanker has been stopped while they continue to investigate

The wing tank was holding a mixture of oil and water that was seen leaking down the side of the vessel. The crew aboard the Golden Daisy was able to stop the leak by pumping the contents of the tank into another tank. The Maritime Executive / [Read more](#)

A REMINDER FOR ISCO MEMBERS

IS YOUR MEMBERSHIP PAID UP-TO-DATE?

All members are reminded that the publication of the ISCO Newsletter and other activities and services provided by the organization depend on the regular receipt of annual membership dues from our members.

ISCO is grateful to its members who regularly remit their membership fees on time but there are a few of you who have been falling behind with your payments. This creates a great deal of extra work for our Membership Director, Mary Ann Dalglish, in sending out reminders and chasing up overdue payments.

If you are behind with your payment, please go to <https://spillcontrol.org/subscriptions/> where it only takes a minute to renew your subscription online.

If you are finding it difficult to make your payment, please let us know. ISCO takes a sympathetic view and, rather than strike a member off the register, would far rather allow you extra time than have to go through the very considerable amount of work involved in reinstatement of memberships that have been allowed to lapse.

If you're not yet a member but enjoy receiving our newsletter please support the continuance of ISCO's publication by joining – We do need more paying members – You can apply for membership online at <https://spillcontrol.org/membership-application-form/>

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