

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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SURVEY SHOWS WORRYING INCREASE IN NUMBER OF CONTAINERS LOST AT SEA

The number of shipping containers lost at sea has risen significantly during the pandemic thanks to an “unusually high” number of incidents particularly in the winter of 2020-21, the World Shipping Council said in its latest [Containers Lost at Sea](#) report.

The winter of 2020-21 saw a huge spike in the number of [weather-related incidents](#), bringing average losses for the two-year period (2020-2021) to 3,113 containers, compared to 779 in the previous period (2017-2019). The past two years caused worrying break in the downward trend for losses, with the average number of containers lost at sea per year since the start of the survey increasing by 18% to 1,629 (from 2008-2021).

The WSC, the main trade association representing the international liner shipping industry, issues its container loss report typically every three years based on surveys with WSC member companies for the preceeding three years. The WSC's report is viewed in the industry as being the most accurate and official tally of containers lost at sea.

The WSC has conducted previous surveys in 2011, 2014, 2017, and 2020. However, due to the unusually high number of incidents in 2020-21, it's increasing its frequency of updates to yearly, while its latest report covers the two year period ending in 2021.

The increase in 2020-21 can be attributed to significant container loss incidents, including the ONE Apus which lost more than 1,800 containers in severe weather in November 2020. The Maersk Essen also experienced severe weather in 2021 that resulted in the loss of some 750 containers overboard. gCaptain / [Read more](#)

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(Members with special responsibilities in specified geographical areas)

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

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<https://www.linkedin.com/groups/4016064/>

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WHATSAPP GROUP FOR STUDENTS, TRAINEES & APPRENTICES
 Here is the link for joining this group –
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ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION

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

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ISCO NEWS

ISCO AT INTERSPILL IN AMSTERDAM



ISCO Committee Members Capt. Bill Boyle and Kerem Kemerli of Meke Marine



Vikoma, one of the UK's largest oil spill equipment manufacturers, is a long-standing member of ISCO. Left to right Captain Bill Boyle, Kevin Leppard, Karen Lucas



YOU CAN PLACE AN ADVERTISEMENT HERE

For information contact
Mike Watson at
spillcontrol@mwadigital.com



Desmi Enviro-care team members pictured under Enhancer and Rise series trash removers deployed in India



Above: Captain Bill Boyle and Fast Engineering's Seamus Connolly converse with Surf Cleaner's Peter Cheney and Mikael Andersson



LEFT - Captain Bill Boyle visits Oil Spill Response Limited, proudly displaying their ISCO membership placard. Left to right Norman Ramos, Marcus Russell, Andrew Nicol. RIGHT - Jane Delgado updates Captain Bill Boyle on the reopening of ISCO member OHMSETT's newly refurbished test facility.





LEFT - Captain Bill Boyle with Aimee Sharman and Stuart Foreman from Aberdeen-based ISCO member Briggs Marine & Environmental Services

As part of a coordinated response by the three triennial oil spill events, to the COVID-19 pandemic each was delayed a year. Continuing on the success of the 2020 US International Oil Spill Conference (IOSC), postponed until 2021, Europe's INTERSPILL Conference and Exhibition attracted a large number of spill professionals to RAI Amsterdam from 21-23 June 2022.

According to iCONEX INTERSPILL Event Director Roger Mabbott, this year's exhibition and conference, sponsored by ISCO member OceanPact, has been a success. The exhibition

space is nearly 20% larger than Interspill 2018, and conference numbers have almost doubled following halving the price for delegates.

Over 70 exhibitors, both from the Europe, and globally, joined nearly 600 delegates engaged in a variety of activities .

As INTERSPILL was one of the first face-to-face events, organizers emphasized limited COVID restrictions, while maximizing value to both delegates and exhibitors.

EMSA, an Interspill Committee member, celebrated its 20th anniversary this week, and held a Workshop in conjunction with DG Echo.

A new event organised by CEFAS from the UK, was the 5th Premium Conference (Pollution Response in Emergencies: Marine Impact Assessment and Monitoring) which took place with the goal of promoting best practice in an international context.

Training course programmes were extended to multiple days. Including the traditional Short Courses, as well as the new interactive Interspill Academy.

Exhibitors contributed to Innovation Workshops in a dedicated Seminar Theatre on the exhibition floor

Cedre and ITOPF jointly organized Science Workshops held in the Seminar Theatre, covering key topical issues relating to both present and future challenges in spill and pollution response

Spill Response Group Holland, as hosts of Interspill 2022, organised with the support of the Port of Amsterdam an On Water Demonstration and river cruise on 20 June to kick off the event.

Several ISCO corporate members introduced innovative product and service developments during the show and we are planning to feature some of these in future issues of this newsletter. Words and photos should be sent to the editor.

FLAVIO P. DE ANDRADE APPOINTED AS ISCO'S MEMBER OF COUNCIL FOR BRAZIL



Flavio is a Naval Architect and Marine Engineer from the Federal University of Rio de Janeiro (UFRJ) working on the Ocean Business for more than 30 years with extensive experience on the shipbuilding, fisheries, shipping, oil spill preparedness and response, environmental services, offshore supply vessel and oceanographic survey sectors. Flavio is the founder and CEO of OceanPact, a Brazilian maritime services company, and a board member of Witt O'Brien's do Brasil.

Flavio's activities in the oil spill response business started earlier in 1996 with a medium sized barge spill in Guanabara Bay, Rio de Janeiro, with major roles in several other spills such as the year 2000 pipeline spill also in Guanabara Bay, the Vicuña tanker spill in Paranaguá in 2004, the Deepwater Horizon Gulf of Mexico response in 2010 and the Frade Oil Field response, Campos basin, Brasil in 2011 / 2012.

Flavio was born in 1964 in Rio de Janeiro, where he lives with his wife, two sons and one daughter, has a post graduate degree in Petroleum Business by COPPE/UFRJ and speaks English, French, Spanish and Portuguese. Flavio is also an enthusiastic amateur sailor and diver.

JULY 2022 ISCO VOLUNTEER GROUP ZOOM MEETING

Because so many members were attending Interspill this week in Amsterdam the meeting which would normally have taken place on 23rd June was rescheduled for July 2022. The meeting now will take place on Thursday 21st July. The time and link for joining the meeting will be given in a later issue of the ISCO Newsletter.

EMSA MARKS 20 YEARS SERVING THE EUROPEAN MARITIME COMMUNITY

June 17 - The Director and staff at the IOPC Funds have congratulated the European Maritime Safety Agency (EMSA) as it celebrates 20 years since its establishment.

Claims Manager, Mark Homan, attended a special conference to mark the Agency's anniversary at its Headquarters in Lisbon, Portugal on 16 and 17 June 2022. The conference, entitled 'Charting EMSA's course for the next 20 years,' featured a variety of speakers, industry representatives and key EMSA stakeholders and focused on the most important issues facing the maritime transport sector now and in the future. IOPC Funds / [Read more](#)

IN THE YELLOW SEA, A SHINING EXAMPLE OF MARINE PROTECTION



Photo Credit UNDP

June 17 - It has been more than 20 years since South Korea and China began a novel partnership to restore and protect the shallow body of salt water that lies between them: the Yellow Sea, a semi-enclosed marine area bracketed by the Chinese mainland and the Korean peninsula.

The Yellow Sea's amber-tinged waters and coastlines teem with 1,600 different species of fauna – from dugongs and sea turtles to flounders and rockfish. The land around the sea also teems with humanity. More than 600 million people, or 10 percent of the global population, live on or near its shores and rely on its health for food and income. A generation ago, it became increasingly clear that the rapid economic development of the surrounding region was placing a heavy strain on this fragile and valuable environment. The GEF / [Read more](#)

IMO - COMBATTING MICRO-PLASTICS, BIO-FOULING AND OTHER WASTES

June 20 - Raising awareness of and combatting ocean pollution caused by micro-plastics, bio-fouling, chemicals and macro-organisms were the focus of the most recent meeting of the IMO's GloFouling Partnership Project's Global Industry Alliance (GIA) for Marine Biosafety.

GIA members have noted increasing evidence of biological material, microplastics and chemicals found in wastes generated by in-water cleaning of vessel anti-fouling paints and coatings. This trend in pollution could negatively impact the marine environment if it continues to grow, prompting the GIA to make this an area of future work. IMO / [Read more](#)

SEA ALARM - SELF-ASSESSMENT TOOL GOES ONLINE + UPDATES ON BALTIC OILED WILDLIFE PREPAREDNESS

June 20 - Sea Alarm chaired, and participated in, the HELCOM Expert Group on Wildlife Response (EG Wildlife) on 7 February 2022. The group had recently renewed its Terms of Reference and mandate until the end of 2023, and also updated the

MORE INTERNATIONAL & REGIONAL NEWS

recommendation on integrated wildlife response planning in the Baltic Sea. [HELCOM Recommendation 31E/6](#), which describes good practice in national oiled wildlife response planning, forms a clear basis for future work of [EG Wildlife](#) in strengthening NGO-authority relationships and building capacity at national and regional levels. [Sea Alarm / Read more](#)

DONORS BOOST GLOBAL ENVIRONMENT FACILITY CONTRIBUTIONS TO \$5.33 BILLION

June 21 - Twenty-nine donor governments have finalized \$5.33 billion in pledges to the Global Environment Facility for the next four years, an increase of more than 30 percent from its last operating period and a surge of support for international efforts to meet nature and climate targets.

The record funding will support large-scale initiatives to address biodiversity and forest loss, improve ocean health, combat pollution, and reduce the effects of climate change within the decade. It reflects a growing consensus on the need to expand efforts in these areas and to work across borders and sectors. [GEF / Read more](#)

THE MEDITERRANEAN AT THE UN OCEAN CONFERENCE



June 21 - In the Mediterranean region, environmental multilateralism is an agent of mutual understanding and cooperation. Since its inception in 1975, UNEP/MAP—the pioneer of the UNEP Regional Seas Programme— has set in motion an exemplary multilateral endeavor involving 21 Mediterranean countries and the European Union to tackle the rising tide of pollution. The scope of this endeavor has gradually expanded to encompass all the themes pertaining to land- and sea-based pollution, biodiversity conservation, coastal management and sustainable development. The MAP-Barcelona Convention system, including the Contracting Parties, provides a unique legal, institutional and implementation framework to achieve sustainability and resilience in the Mediterranean region. [UNEP / Read more](#)

THE NEW EUROPEAN THEMATIC CENTER FOR BIODIVERSITY AND ECOSYSTEMS OF THE EUROPEAN ENVIRONMENT AGENCY IS BORN

June 22 - Today the European Environment Agency (EEA) has informed of the birth of the new European Thematic Center for Biodiversity and Ecosystems, the ETC / BE, which will start its activities in 2023 for a first cycle that will last until 2026. and of which ISPRA is a member. [ISPRA / Read more](#)

ABOUT THE 2022 UN OCEAN CONFERENCE

June 24 - The Ocean Conference, co-hosted by the Governments of Kenya and Portugal, comes at a critical time as the world is seeking to address the many of the deep-rooted problems of our societies laid bare by the COVID-19 pandemic and which will require major structural transformations and common shared solutions that are anchored in the SDGs. To mobilize action, the Conference will seek to propel much needed science-based innovative solutions aimed at starting a new chapter of global ocean action.

Solutions for a sustainably managed ocean involve green technology and innovative uses of marine resources. They also include addressing the threats to health, ecology, economy and governance of the ocean - acidification, marine litter and pollution, illegal, unreported and unregulated fishing, and the loss of habitats and biodiversity.

The Governments of Kenya and Portugal will co-host the Ocean Conference.

Liu Zhenmin, United Nations Under-Secretary-General for Economic and Social Affairs, will serve as the Secretary-General of the Conference, and Miguel de Serpa Soares, Under-Secretary-General for Legal Affairs, will serve as the Special Adviser to the Presidents of the Ocean Conference on the ocean and legal matters.

UN Ocean Conference | Lisbon, Portugal 27 June – 1 July 2022

United Nations / [Read more](#)

CANADA WELCOMES DELEGATES TO MONTRÉAL FOR BIOLOGICAL DIVERSITY CONFERENCE, COP15

June 22 - Statement from Minister Steven Guilbeault and Minister Mélanie Joly - “We can confirm that Canada will welcome the world to Montréal in December 2022 for the 15th Conference of the Parties (COP15), which will focus on protecting nature and halting biodiversity loss around the world.

“The COP15 Presidency will remain under China, as recognized by all members of the UN Convention.

“Montréal has always hosted the Secretariat of the United Nations Convention on Biological Diversity (CBD). Given that China cannot provide the location for the conference due to the COVID-19 pandemic, Canada is stepping up to fulfil this role.

Government of Canada / [Read more](#)

COTE D’IVOIRE: GEF CEO CELEBRATES MANGROVE RESTORATION EFFORTS



Photo credit: Eliel Kouakou Kouame/SGP Cote d'Ivoire

June 10 - Mangroves can withstand soil and water conditions that would kill most plants, and yet these hardest of tropical forests are vanishing from the Earth so quickly that every effort to protect them is of value – both locally and globally.

This is because mangroves have an outsized environmental and economic impact wherever they grow. They protect against coastal erosion, help with flood control, act as carbon sinks, and are unique ecosystems that harbor a wealth of fish, insect, bird, and reptile species.

Carlos Manuel Rodriguez, the Global Environment Facility’s CEO and Chairperson, welcomed the results of one such initiative on a visit to the coastal town of Bingerville, Cote d’Ivoire. The GEF / [Read more](#)

DENMARK: ENVIRONMENTAL PROTECTION AGENCY INVESTIGATES FOR PFAS IN SEAWATER

June 16 - In July, the Danish Environmental Protection Agency will carry out measurements for PFAS in seawater to investigate the occurrence of PFAS along the Danish coasts.

Over the summer, the Danish Environmental Protection Agency will collect samples of seawater at 50 sites along the Danish coasts. The study aims to uncover whether the occurrence of PFAS is a local challenge or whether there is more widespread pollution in coastal waters.

The Danish Patient Safety Authority, in cooperation with the Danish Environmental Protection Agency, has assessed that bathing water containing less than 20 x the drinking water quality criterion for PFAS will not immediately pose a health risk to bathers under Danish conditions. The results of the study are expected in August 2022 and will be published on Environmental Data.

Environmental Protection Agency / [Read more](#)

EGYPT: REINTRODUCTION OF THE AFRICAN HOUBARA BUSTARD

June 18 - For the first time, an Egyptian-Emirati cooperation for the reintroduction of the African Houbara bustard in the Arab Republic of Egypt... The Egyptian Minister of Environment, the Emirati Minister of Defence and the Governor of Matrouh affirm that the African Houbara recovery programme is a clear example in biodiversity conservation and management... Dr. Yasmine Fouad confirms the project will be presented in COP27 EAAA / [Read more](#)

KOREA: IOPC FUNDS MEETING WITH D-G OF THE MARITIME SAFETY BUREAU

June 17 - As part of his visit to Republic of Korea during the week of 13 June 2022, the Director, Gaute Sivertsen, took the opportunity to meet with the Director-General of the Maritime Safety Policy Bureau, Ministry of Oceans and Fisheries (MOF), Mr Tae-seong Cheong. This meeting followed the conclusion of the successful workshop on the lessons learned in respect of the handling of the Hebei Spirit incident, in which MOF were heavily involved. IOPC Funds / [Read more](#)

KUWAIT SUSTAINABILITY PRESS CONFERENCE "BIODIVERSITY TO BUILD A SUSTAINABLE FUTURE"

June 21 - In the presence of His Excellency Sheikh Abdullah Al-Ahmad Al-Hammoud Al Sabah, Chairman of the Board of Directors and Director General of the General Authority for the Environment, Mr. Jamal Al Nasrallah, President of the Kuwaiti Public Relations Association, the press conference was held to announce the sponsorship of the Kuwait Sustainability Conference under the theme "Biodiversity to build a sustainable future", which will be held in September 2022. Kuwait EPA / [Read more](#)

MOROCCO: MARINE POLLUTION SIMULEX-22 EXERCISE OFF MOHAMMADIA – FAR GENERAL STAFF

June 22 - Morocco, in line with its international commitments and its ratification and implementation of a number of conventions relating to the fight against accidental marine pollution, is organizing this June 21-23 the national simulation exercise named "SIMULEX-22".

The exercise, held pursuant to the high instructions of the King, Supreme Leader and Chief of Staff of the Royal Armed Forces (FAR), is taking place off Mohammadia. This exercise, which puts into practice the common procedures of the fight against accidental marine pollution and the delivery of assistance to a ship in difficulty, is executed according to the scenario of a collision between a cargo ship and an oil tanker causing the spill of three thousand tons of heavy fuel oil at sea, says a statement from the General Staff of the Royal Armed Forces. The North Africa Post / [Read more](#)

NIGERIA: SUPREME COURT UPHOLDS FREEZE ON SHELL'S ASSET SALE

June 20 - Nigeria's Supreme Court is set to rule on a lower court's decision halting oil major Shell from selling its assets in Nigeria until a dispute over a 2019 oil spill is resolved between the company and a community in the oil-rich Niger Delta.

In March, a high court had barred Shell from any asset sale in Nigeria until a decision is reached on the dispute. Eighty-eight communities in Rivers State were awarded \$1.95bn compensation for an oil spill they blamed on Shell and which damaged their farms and waterways. Al Jazeera / [Read more](#)

PERU: FIVE MONTHS ON, THE OIL SPILL'S EFFECTS LINGER

June 20 – "Out of work and short on cash and food, a fishing community in Peru is simultaneously paralyzed by exhaustion and ready to boil over" - An article by Jimena Ledgard.

"The port in Ancón, just north of Lima, Peru, should be bustling. It's a cold and gray Friday morning, around the time when fishers should be returning to port and unloading their catch. But ever since January, when the Spanish oil company Repsol spilled 11,900 barrels of crude oil just off the coast—a spill the United Nations calls the worst environmental disaster in Peru's recent history—the port has come to an almost complete standstill." Hakai Magazine / [Continue reading](#)

THAILAND HAS SUBMITTED TEXT OF ITS RELEVANT NATIONAL LEGISLATION FOR INCLUSION IN ITS IOPC FUNDS ONLINE COUNTRY PROFILE

June 20 - Thailand has submitted to the Secretariat a copy of its national legislation relevant to the IOPC Funds, which is now available to view via its country profile under the Membership section of the website.

As well as being of general interest to users of the website, having details of the national legislation of Member States implementing the 1992 Civil Liability and Fund Conventions, and, where applicable, the Supplementary Fund Protocol, can facilitate communication and cooperation between Member States and the Secretariat on matters such as oil reporting, contributions or general applicability of the Conventions. States that have not yet submitted copies of relevant national legislation to the Secretariat are encouraged to do so in the form of a link to the relevant pages of a government website or in the form of a PDF.

IOPC Funds / [Read more](#)

PEOPLE IN THE NEWS

NEW INTERNATIONAL GROUP P&I CHAIRMAN



June 23 - At the meeting of the International Group Managers on 21 June 2022 it was unanimously agreed to support a recommendation to nominate Andrew Cutler, the CEO of The Britannia Steam Ship Insurance Association Holdings Ltd, to be elected at the Annual General Meeting to be held in November 2022 as the new Group Chair from November 2022 - November 2025 in succession to Paul Jennings.

<https://www.igpandi.org/article/new-international-group-chairman-2022>

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 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

HYTRANS SYSTEMS BV ACQUIRES FORU SOLUTION TECHNOLOGY & PRODUCTS

June 20 - Foru Solution is well known for its innovative and proven oil spill response solutions. The FORU oil skimmers are world-class when it comes to cleaning up oil spills, also in rough weather. They are robust, easy to deploy and provide a high recovery capacity and efficiency. The FORU skimmers are self-adjust, hydraulically driven, have no external moving parts, and are easy to operate. Through its high capacity, FORU skimmers can clean up small to the biggest and worst oil spills. With the acquisition, Hytrans® expands its already large product range and makes it even more versatile for its customers in the port and petrochemical markets. Hytrans / [Read more](#)

NEW MAJORITY SHAREHOLDER IN DESMI

June 22 - DESMI, the Danish manufacturer of pumps, pumping systems, environmental cleaning equipment and related products and services, today announced it has signed a definitive agreement to sell a majority share to One Equity Partners (“OEP”), a middle market private equity firm. Terms of the transaction were not disclosed.

Founded in 1834 and headquartered in Nørresundby, Denmark, DESMI provides pumping solutions to end-markets including marine and offshore, industrial, utility, and defense and fuel. The company also provides environmental solutions for oil spill response, seaweed collection and cleaning waterways. DESMI has global operations across 20 countries in Europe, Asia, the Middle East, North America, and Africa and employs nearly 1,000 people. DESMI’s pumps and systems are sold to more than 150 countries through a network of subsidiaries and distributors across six continents. DESMI / [Read more](#)

DESMI FOUNDER ON SELLING LIFE'S WORK: "A COMPANY OF A CERTAIN AGE, YOU CAN'T OWN FOREVER"



CEO Henrik Sørensen. | Photo: Desmi

June 24 - Despite a big, long-awaited sale, Henrik Sørensen continues at the helm of his life’s work, maritime technology provider Desmi. In an interview with ShippingWatch, the Danish owner elaborates on the decision to sell a majority stake and the next step for the pump manufacturer. [Shipping Watch](#)

[Editor – Regrettably I had difficulty in accessing what would probably be a very interesting article in Shipping News about this very old established company which was founded in 1834. On December 21st 1833, the founder received a royal privilege to open an iron foundry in Aalborg. From 1900 until 1970 the company manufactured church bells, which was quite a unique trade. About half of 4,000 churches in Denmark were supplied

with church bells from DESMI, and most of them are still in use today. The name DESMI is short for De Smithske. A history of the company can be found at <https://www.desmi.com/about-desmi/history/detailed-version/>

SCIENCE & TECHNOLOGY

FIRST QUARTER 2021 GROUNDWATER MONITORING REPORT NUSTAR ANDOVER QUAIL CROSSING

W&M Environmental for the Kansas Department of Health and Environment, 285 pp, 2021

Upon discovering separate phase hydrocarbons (SPH) in an irrigation well, initial response and abatement activities included repair of the pipeline, soil excavation, deactivation of the irrigation well, and removal of SPH from the well. Following the initial response activities, interim remedial actions and investigations were performed, including an SVE pilot test to evaluate this technology for addressing petroleum hydrocarbons in the vadose zone soil, soil characterization to assess the lateral and vertical extent of impacted soil in support of soil excavation planning, two groundwater treatment pilot tests to evaluate the use of oxygen releasing compound (ORC) to address dissolved-phase petroleum hydrocarbons. Enhanced aerobic bioremediation was conducted by injecting 15,042 lbs of pelletized ORC Advanced® into the subsurface through temporary injection borings and monitoring wells in higher petroleum concentration areas. Groundwater monitoring supported the conclusion that the extent of dissolved phase hydrocarbons that exceeded Tier 2 Risk-Based Standards (RSKs) were stable or decreasing. Petroleum constituents were not detected or were detected at concentrations lower than KDHE Tier 2 RSKs in 13 of the 16 monitoring wells. Groundwater samples collected from five monitoring wells were analyzed for alkalinity, ammonia as nitrogen, carbon dioxide, orthophosphate, nitrate, sulfate, dissolved iron, potassium, and methane to monitor biogeochemical processes and aerobic conditions/activity following the cleanup action implementation. Analytical data indicate that aerobic and anaerobic

biodegradation of petroleum hydrocarbons is ongoing. <https://www.kdhe.ks.gov/DocumentCenter/View/8053/First-Quarter-2021-Groundwater-Monitoring-Report-May-7-2021-PDF>

All site documents: <https://www.kdhe.ks.gov/909/Nustar-Pipeline-Release-North-Andover-Si> Clu-in / [Read more](#)

HOW SCIENTISTS PLAN TO USE PLANTS TO REMOVE TOXIC METALS FROM SOIL

Soil contamination can happen due to a variety of reasons, including manufacturing, mineral extraction, accidental spills, illegal dumping, leaking underground storage tanks, pesticide and fertiliser use etc. [A study published in the JNKVV research journal](#) in 2015 concluded that heavy metal pollution of soil is “emerging at a speedy rate” in India due to industrialisation.

A paper published in the MDPI Agriculture journal titled, “[Utilizing Mediterranean Plants to Remove Contaminants from the Soil Environment: A Short Review](#)”, studies the development of this method of remediation.

MEXICAN SCIENTISTS DEVELOP NEW TECHNOLOGY TO CLEAN UP OIL SPILLS

Mexico City: Scientists at the National Autonomous University of Mexico have developed a new technique that can clean up oil as well as radioactive substances, fertilizers, drugs, and other pollutants dumped in the ocean. The innovative technique involves nanotubes made from halloysite, a naturally occurring clay mineral, and magnetite, a highly magnetic mineral.

"We can apply a magnetic field to pull out the stain as if we had somehow thrown out a fishing net, and in this way, we can put out the oil," project leader Marina Vargas Rodriguez told Xinhua news agency. "If the spill occurs near the beach, we will have the option of pulling the contaminant into the open sea so that it does not affect our beaches and, at the same time, the oil can be recovered and reused." The Hans India / [Read more](#)

A TOOL TO MEASURE THE IMPACTS OF ECOLOGICAL DISASTERS ON ARCTIC WILDLIFE

Canadian biologists have developed a device to quickly identify genetic changes induced by oil spills or other chemical exposures in wildlife in the Far North, a valuable tool for responding to environmental disasters.

The Carleton University and Environment and Climate Change Canada team spent several years building and perfecting the device called the ToxChip.

This is a small plate that allows the laboratory to measure the expression of around thirty genes, in this case in seabirds, which are associated with chemical upheavals caused by contamination in the ambient environment. It allows a gain in efficiency and offers more specificity compared to traditional detection methods, because it can be adapted to the species under study and the type of contaminant in the natural environment, say the researchers. Oicanadian / [Read more](#) [Source link](#)

CURRENT AND FUTURE EFFECTS OF MICROPLASTICS ON MARINE ECOSYSTEMS (THE MINIMISE PROJECT)

This project will deliver new knowledge of the risk that microplastics of different types, shapes and sizes pose to U.K. coastal ecosystems and the animals and ecosystem functions that they support. We will develop novel techniques for studying any effects of microplastics at low, environmentally relevant concentrations of microplastics. This will be made possible through the use of novel, cutting edge techniques for tracking and imaging particles in complex matrices and tissues, for determining how microplastics and co-contaminants distribute through marine food webs, and the biological and ecological effects that they give rise to. Our results will be combined with ongoing large-scale monitoring of microplastics and relevant marine functions into a geospatial risk map to guide solutions-driven interventions.

MINIMISE aims to explore the risks associated with the exposure of marine organisms to microplastics and to predict what the consequences may be for ocean ecological and biogeochemical processes. We will generate novel scientific evidence to support the setting of thresholds for risk of harm to individual animals, to the aquatic food chain from contamination, and to the stability and diversity of marine ecosystems. We will make our results scalable by incorporating complementary data from existing microplastics projects that maximises spatial and temporal coverage, and we will ensure our findings are robust by determining ecosystem responses in present versus future environments.

Project Objectives:

1. To develop and apply enhanced methods for identifying and characterising microplastics in diverse media, including novel high throughput screening methods and synthesis of custom-designed labelled particles to enable studies of transport and uptake,
2. To investigate the potential role of microplastics as vectors of additives and marine pollutants and their trophic transfer in marine food webs,
3. To assess the extent to which accumulation of microplastics of different shapes, sizes and polymers leads to biological effects at molecular, cellular, physiological and organismal levels,

SCIENCE & TECHNOLOGY (CONTINUED)

4. To establish the potential for microplastics to moderate benthic ecosystem functions under a range of ocean chemistry scenarios,
5. To generate a unique geospatial risk map of microplastics and associated contaminants in marine environments and organisms representative of UK ecosystems. CEFAS / [Read more](#)

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](#)

USA: OHMSETT - OIL SPILL RESPONSE STRATEGIES & TACTICS TRAINING

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

TO VIEW UPCOMING EVENTS PLEASE CLICK ON <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

Recently added to the Upcoming Events Page –“What’s the ecological toll of oil spills in Latin America?” – GEF live with Marcos Orellana, Daniel Cacaes Bartra and Thais Herrero. 29th June 1400 GMT.

UPCOMING WEBINARS & PODCASTS

TO VIEW UPCOMING WEBINARS PLEASE CLICK ON <https://spillcontrol.org/upcoming-webinars/>

To see ALL of the posted webinars you may need to click on “LOAD MORE” at the foot of the opened “upcoming webinars” page.

Webinar organisers are requested to notify ISCO immediately if a listed webinar is cancelled or postponed. Your Editor does his best to keep the listing up-to-date but it should not be assumed that listed webinars have not been cancelled or postponed. It is recommended that you check with webinar organisers before finalising your attendance plans. Please advise the Editor if any of the entries require correction or updating. **If you are holding a webinar you would like to be featured here, please send details to** John.mcmurtrie@spillcontrol.org

Recently added to the Upcoming Webinars Page – “What’s the ecological toll of oil spills in Latin America ? – GEF live with Marcos Orellana, Daniel Cacaes Bartra and Thais Herrero. 29th June 1400 GMT; Chemicals – Meet the world’s first fully integrated global

UPCOMING WEBINARS & PODCASTS (CONTINUED)

emergency response services – 29 June 2022; ALGA - Application of Digital Engineering in the Design & Construction of complex Containment Systems, Thursday 30th June, 12-1 pm AEST.

MESSAGES FROM EVENT ORGANISERS

IOSSC PAPER SUBMISSION DEADLINE EXTENDED UNTIL JULY 12, 2022.

USA: CLEAN PACIFIC – AUGUST 23-24

[View full conference programme](#) [Registration](#)

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

[Preliminary Conference Programme](#) [Registration](#)

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

PRELIMINARY CONFERENCE AGENDA

Check out this year's program and commit to joining your peers in spill prevention and response this November. [View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

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. [Have a look to see examples of open tenders.](#)

OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey <https://clu-in.org/products/tins/> US EPA Tech Direct <https://clu-in.org/techdirect/archive/> and USA Federal Contracts Update <https://clu-in.org/Federal-Contract-Opportunities>

European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter <https://www.emsa.europa.eu/newsroom/newsletters.html>

LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

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

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

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. Readers wishing to recommend the addition of additional publications should contact the editor.

JOB VACANCIES

SOPF CANADA – STUDENT PROGRAMME – INTERNSHIP OPPORTUNITIES

The SOPF Student Program offers internship opportunities (paid and unpaid) that provide learning-by-doing opportunities. The objective of the internship program is to provide professional development opportunities for Canadian students. [More info](#)



Looking for a Traineeship? Join EMSA this autumn!

EMSA launches 11 Traineeship vacancies. Deadline 30.06.2022

More info: <https://spillcontrol.org/jobs/traineeships-at-emsa-this-autumn/#>

INCIDENT REPORTS

USA: MICHIGAN – FLINT RIVER SPILL (CONTINUED)

June 16 - Likely source of Flint River chemical spill had no leak detection on concrete vaults - The company identified as the likely source of a Flint River chemical spill was cited by the state in April for 13 violations of environmental law, including its storage of liquid industrial by-products in concrete vaults that had no leak detection capability.

Lockhart Chemical, which the Michigan Department of Environment, Great Lakes, and Energy said is the likely source of the spill that started Wednesday, June 15, was directed to correct the violations by May 8, but the company requested a deadline extension, which the agency is still considering. M Live / [Read more](#)

June 18 - Clean up efforts continue following on oil spill on Flint River - So far, recovery is going well, according to Genesee County Sheriff Chris Swanson. Swanson said if crews continue working as they are, response teams could scale back operations as soon as Sunday. WNEM / [Read more](#)

June 22 - Officials Release Update On Oil Spill In Flint River - Clean-up continues on the Lockhart Chemical Company spill in the Flint River, and so far, almost 14,000 gallons have been pulled out. Birds and turtles that were impacted have been cleaned and released, and nine out of 10 contaminated sites of bushes and trees have been cleaned, but officials have not found the exact breach yet. Detroit CBS / [Read more](#)

June 24 - Investigators have 'promising lead' on breach that led to chemicals spilling into Flint River - In a Friday, June 24, press briefing streamed live on Facebook, Genesee County Sheriff Chris Swanson – who doubles as the county's Emergency Management Coordinator – said investigators with the U.S. Environmental Protection Agency and the Michigan Department of Environment, Great Lakes, and Energy have not yet found a smoking gun in locating the breach, but they have "a very promising lead." Michigan Live / [Read more](#)

AUSTRALIA - OIL SPILL OFFSHORE WESTERN AUSTRALIA

June 20 - It is the second oil spill at the field, however not as sizeable or related to the historic catastrophe in 2009 when a well blowout spilled thousands of barrels of crude into the Timor Sea.

"The volume of released oil is estimated at three to five cubic metres (around 31 barrels), which was monitored and had fully dispersed by the morning of 19 June 2022," Jadestone said today of Friday's accident.

By comparison, the 2009 oil spill was the largest environmental disaster of its kind in Australian waters - with around 2000 barrels of crude pouring into the sea for months on end. At this time it was operated by PTTEP. Energy News Bulletin / [Read more](#)

June 24 - Oil Spills from Jadestone's Montara Venture FPSO Offshore Australia. Output Shut - Oil spilled last week at Jadestone's Montara field offshore Australia, during crude oil transfer between two crude oil tanks onboard the Montara Venture FPSO, forcing the company to shut down production from the offshore field.

"During the transfer, oil was observed on the surface of the sea adjacent to the FPSO. Transfer operations were ceased immediately and production from the Montara fields was shut in as a precautionary measure," Jadestone said. The incident happened on June 17.

"The release of oil to sea was quickly halted by pumping water into the tank, indicating a leak somewhere at the tank base. A subsequent inspection using an ROV confirmed a small 30mm diameter hole in the bottom of the tank. Having now controlled the release of oil, the next step will be to apply a temporary repair in order to remove the remaining oil from the tank," Jadestone said. Offshore Engineer / [Read more](#) [Thanks to John Wardrop, Member of ISCO Council for Australia]

USA: MAINE - LUXURY YACHT BURNS AND SINKS OFF KITTERY

June 21 - A large yacht caught fire and burned to the waterline near Kittery, Maine on Saturday, prompting an emergency response and pollution-control effort. The responding agencies included New Hampshire State Police, U.S. Coast Guard, Kittery's harbormaster and four fire departments. Work will continue this week to remove any remaining diesel from the wreck's tanks. The Maritime Executive / [Read more](#)

VIETNAM: FREIGHTER CAPSIZED, SANK OFF HAI PHONG

June 22 - General cargo ship NAM THINH 126 issued distress signal at around noon Jun 22, being anchored at Hon Dau Anchorage, Hai Phong. The ship reported heavy portside list, danger of capsizing, 8 crew and 2 passengers going into life rafts. NAM THINH 126 was

INCIDENT REPORTS (CONTINUED)

en route from Quy Nhon to Hai Phong with cargo of stones, she was caught in heavy swell while anchored, understood there was cargo shift, which caused capsizing and sinking. All 10 people were rescued. There are reportedly, some 153 tons of fuel on board, crew managed to seal off fuel tanks and fuel pipes before abandoning the ship, no leak reported so far.

The Maritime Bulletin / [Read more](#)

USA: NEW YORK - CLEANUP OF ASPHALT CHEMICAL NEAR MAPLE RIVER AFTER U.S. 127 CRASH COULD TAKE WEEKS

June 24 - Cleanup that is expected to take weeks is underway at a creek in northern Clinton County and the wetlands near the Maple River after a Thursday crash on U.S. 127 caused thousands of gallons of asphalt emulsion to spill into the waterway. The spill into the Ferdon Inter-County Creek was contained before it reached the Maple River about 2 miles north in Gratiot County.

Lansing State Journal / [Read more](#)

INDIA: SUNKEN SHIP: OFFICIALS WILL MONITOR OIL SPILL

June 25 - Mangaluru: Dakshina Kannada deputy commissioner K V Rajendra said that a preliminary survey is being conducted by a private agent Smit International, Singapore, to decide on how to defuel the vessel, and undertake the salvage operations of the sunken vessel, foreign foreign flagship MV Princess Miral, which ran aground off New Mangalore, near the Battapadi shore on Tuesday.

DIG S B Venkatesh, commander, Coast Guard, Karnataka, said that the Indian Coast Guard has launched preventive measures towards marine pollution, as the vessel is reported to be carrying more than 220 metric tonnes of fuel onboard. Times of India / [Read more](#)

JAPAN: RUSSIAN CAR CARRIER IN FULL LOAD ON FIRE, ABANDONED

June 25 - Russian (ex-HONDA) car carrier ANGARA caught fire in the afternoon Jun 25 in Japan sea (though probably earlier) some 55 nm north of Toyama, Honshu, Japan. The ship loaded with second-hand cars left Fushiki in the afternoon Jun 24, bound for Vladivostok, with ETA Jun 26. All 25 Russian crew abandoned burning ship according to Japanese sources, no injuries or casualties reported. Fire erupted on cargo deck in one of cars is believed to be the cause of the fire. Maritime Bulletin / [Read more](#)

STOP PRESS – BREAKING NEWS

REGIONAL COLLABORATION IS THE KEY TO SOLVING OCEAN ISSUES IN THE NORTH-EAST ATLANTIC

June 26 – Press Release just received from the OSPAR Commission - Scientists and policy makers from around the North-East Atlantic met this week in Copenhagen, Denmark from 20 – 24 June 2022 for the annual meeting of the OSPAR Commission. The 15 countries represented at the meeting are all signatories to the OSPAR Convention, along with the European Union.

More than 30 international non-governmental organisations are involved in OSPAR as official Observers. They represent a broad range of interests and expertise related to the marine environment and the uses of marine resources. Many contribute information, insights and standpoints OSPAR / [Read about the Key outcomes of the meeting](#)

A REMINDER FOR OUR READERS

HAVE YOU ALLOWED YOUR MEMBERSHIP TO LAPSE?

ISCO welcomes lapsed members who decide to re-join. This way you can preserve your access to all our membership benefits, including delivery of the ISCO Newsletter. To re-join, just click on <https://spillcontrol.org/membership-application-form/>

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