

## 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

CLICK ON THE BANNER BELOW FOR MORE INFORMATION



## OSPAR MINISTERIAL MEETING 2021

OSPAR is the mechanism by which 15 Governments & the EU cooperate to protect the marine environment of the North-East Atlantic. The fifteen Governments are Belgium, Denmark, Finland, France, Germany, Iceland, Ireland, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom. OSPAR is so named because of the original Oslo and Paris Conventions ("OS" for Oslo and "PAR" for Paris).



October 1 – Sea change: Ministers seize once in a decade opportunity for a healthier North-East Atlantic

Ministers from around the North-East Atlantic met today in Cascais, Portugal, to renew and extend their commitments to protect and conserve the North-East Atlantic and its resources.

The 15 countries represented at the meeting are all signatories to the OSPAR Convention, along with the European Union whose Commissioner was also in attendance. The meeting designated a new high seas Marine Protected Area (MPA) for seabirds which is larger than the land mass of the United Kingdom and Germany combined. A new North-East Atlantic Environment Strategy was also agreed setting out ambitious commitments for the coming decade in an effort to turn the tide on three of the biggest issues facing the ocean: the impacts of climate change and ocean acidification, biodiversity loss, and pollution, including marine plastic pollution. OSPAR / [Read more](#)

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Click on the link below -

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

## MORE INTERNATIONAL NEWS IN BRIEF

### CAN HYBRID REEF TECHNOLOGY SAVE THE COASTS?

October 1 - A US defence-led project plans to blend technology, engineering, and hydrodynamic innovation to create artificial reefs that would normally require decades of biological structure-building – in a matter of months to years.

Climate change and coastal flooding mean new and more innovative solutions to protect vulnerable areas.

Now the US military is looking to create hybrid, part natural, partly engineered reefs that are quick to grow, inexpensive, self-maintaining, and more effective than anything to date.

Darpa (Defense Advanced Research Projects Agency), the research agency run by America's Department of Defense, has set up the five-year **Reefense** project to create hybrid reefs as a coastal defence suited to the changing environment.

Reefense has a particular emphasis on protecting the country's coast and the 1,700 Department of Defense managed military installations in coastal areas worldwide – which existing protective measures are not managing effectively.

IMarEST / [Read more](#)

### THE WADDEN SEA COOPERATION IS A SUCCESS FOR THE SEALS



*Photo: Trilateral cooperation in the Wadden Sea has brought woodpecker seals into favourable conservation status. Photo Casper Tybjerg, The Fisheries Museum in Esbjerg*

October 1 - The first October is exactly 30 years since the three Wadden Sea countries Germany, the Netherlands and Denmark signed a joint, legally binding cooperation agreement on the Wadden Sea.

Trilateral Wadden Sea cooperation has been a great success. Among other things, it has created the basis for the three countries now to coordinate the monitoring of seals, to work together to develop management plans, to exchange knowledge and to launch new research.

In this way, we have succeeded in restoring the population of woodpecker seals throughout the unique sea area, so that today around 40,000 seals live in the Wadden Sea. Danish EPA / [Read more](#)

### IPIECA: VICE-CHAIR KELLY-GODDARD-LOOKS BACK ON-THREE-YEARS-WITH-IPIECA

September 30 - As I come to end of my tenure with IPIECA as its Vice Chair and member of its Social Responsibility Group it seems fitting to reflect on my time with IPIECA.

I don't think I'll ever forget my first IPIECA ExCom meeting, which took place during the 2019 IPIECA Week in Washington. Finding myself in a room full of some of the oil and gas industry's leading sustainability practitioners and senior figures from UN, civil society and academic institutes was exhilarating. The opportunity to be part of a community of like-minded people, all



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passionate about making a difference in some of the most important issues there are, including climate change, environmental responsibility, human rights and the Sustainable Development Goals, has been a privilege and is without a doubt one of the things I'll miss most about IPIECA.

Anyone who is familiar with IPIECA knows that its output of good practice guidance and tools is unbelievably high. IPIECA / [Read more](#)

## NEWS REPORTS FROM AROUND THE WORLD

### AUSTRALIA: AMSA INCIDENT AND INSPECTION DATA

September 2021 – Read more in the latest issue of the [AMSA Maritime Safety Awareness Bulletin](#).

### AUSTRALIA: OIL SPILL RESPONSE – THE AMOSPLAN



September 2021 - The cooperative arrangements for response to oil spills by Australian oil and associated industries are brought together under AMOSPlan.

AMOSPlan is managed by AMOSC, which also coordinates the participation of the oil industry in Australia's National Plan for Maritime Environmental Emergencies.

AMOSPlan replaces the previous industry mutual aid arrangement referred to as the Marine Oil Spills Action Plan (MOSAP).

The principle of the AMOSPlan mutual aid arrangements is that, in order to assist in a local response to an incident, individual company resources are available under cooperative arrangements through the AMOSC hiring agreements.

In a practical sense, individual companies deal with each other for mutual aid in responses to small oil spills using nominated Mutual Aid Contacts for each company site. AMOSC becomes involved to assist in the administrative arrangements and if the spill response requires additional resources. [Download the AMOSPlan](#)

### BRAZIL: IBAMA OPENS REGISTRATION FOR PROJECTS IN THE II FORUM OF DEGRADED AREA RECOVERY PROGRAMS (PRAD) AT LAF

September 28 - The deadline for submission of projects in the II Forum of Degraded Areas Recovery Programs (PRAD) in the Federal Environmental Licensing (LAF), an event promoted by the Brazilian Institute of the Environment and Renewable Natural Resources (IBAMA), begins on Tuesday (28) and runs until October 15. Registration [is online](#) and free.

Any prad management entrepreneur or consulting company, executed or executed, who has met laf requirements and succeeded in its actions in mitigating/compensating impacts and improving environmental quality may register, limited to one project per project.

Interested parties should read [Notice No. 15/2021](#), published in the Official Gazette of September 2 this year, and follow the guidelines contained in the document. IBAMA / [Read more](#)

### CANADA: ECONEXT HOSTING ITS 2021 CONFERENCE ON OCTOBER 22

October 1 - econext is hosting its annual conference on October 22 at The Sheraton in St. John's, NL on Friday, October 22.

"The econext conference is the best opportunity for businesses, governments, and academia to get together to network and explore clean growth opportunities in Newfoundland and Labrador," said Kieran Hanley, econext's Executive Director. [More info](#)

### CHILE: NAVY PROTECTS COASTAL MARINE PROTECTED AREA OF ISLA GRANDE DE ATACAMA

October 1 - The Coastal Marine Protected Area of Isla Grande de Atacama has a total of 12,975.79 hectares, which go from Punta El Morro to the mouth of the Copiapó River, contemplating the Isla Grande de Atacama and Isla Chata in the commune of Caldera.

The General Services Boat "Caldera" and an aeromarina exploration aircraft "Observer 2", carried out a joint inspection of the Isla Grande de Atacama Coastal Marine Protected Area (AMCP-IGA).

During the navigation, it was possible to verify and update in the field the control measures developed by the Operational Committee for the Coordination of Supervigilance, Monitoring, Monitoring and Supervision. Armada de Chile Directemar / [Read more](#)



## CHINA SEES RESULTS WITH REVAMPED MARINE ENVIRONMENT REGULATIONS



Photo: [Chinese fishing festival](#) (Siyuwj / [CC BY SA 3.0](#))

October 1 - China's Ministry of Ecology and Environment (MEE) has just finished drafting the country's first Five Year Plan for marine environment protection. The final plan is expected to be released by the end of this year.

The fact that the MEE has been able to create such a plan speaks to the far-reaching impact of 2018 ministerial reforms that re-organised China's marine governance system. The reforms brought marine environment and ecology conservation functions that were previously scattered across six

other ministries into the MEE – China's top environmental agency. Before them, the fragmented system had made coordination difficult. Government departments responsible for the marine environment could not, for instance, regulate rivers or land-based industries that sent massive amounts of pollution to the sea. Now the MEE can safeguard every body of water in the country against pollution. [The opinions expressed herein are the author's and not necessarily those of The Maritime Executive]. The Maritime Executive / [Read more](#)

## GHANA: EPA ENCOURAGES FISHERMEN TO KEEP PROPER RECORDS TO HELP IN DISASTER COMPENSATION

October 2 – Mr Larry Kotoe, a deputy director of the Environmental Protection Agency has urged fishermen to begin proper records keeping to ensure that they do not miss out on the right to compensation and insurance should danger or damage occurred. Ghana Web / [Read more](#)

## NEW ZEALAND: MARITIME NZ - REFLECTING ON TEN YEARS SINCE THE RENA GROUNDING AND OIL SPILL RESPONSE

October 1 - It is almost ten years since the Liberian-flagged MV Rena hit Ōtāiti - Astrolabe Reef, off the Bay of Plenty coast in the early hours of 5 October 2011.

"The Rena response was unprecedented in its scale and complexity and we are better prepared for future events as a result of what we learned," said Kirstie Hewlett, Director of Maritime NZ.

Rena was carrying 1,700 tonnes of heavy fuel oil and 1,368 containers on board at the time of grounding. Over the following few days and weeks, an estimated 350 tonnes of oil spilled into the sea and many containers washed overboard.

Over time, the vessel broke up and significant debris was released into the ocean.

Response efforts, led by Maritime NZ, focused on cleaning the oil and debris that had reached the beach, while a team of salvors worked to remove the oil and containers remaining on the ship. Over the following months and years, a complex salvage and environmental remediation operation was undertaken, with the majority of the vessel removed and an extensive clean-up of the affected environment. Maritime New Zealand / [Continue reading this report](#)

## NIGERIA: DATE WITH HISTORY: JUSTICE MY FATHER DIED FOR

October 1 - November 10, 1995: Noo Saro-Wiwa writes of the fight with Shell over pollution of the Niger Delta that led to an execution.

For decades my father had watched the Niger Delta decline under the ravages of oil extraction. In his youth, during the pre-oil days of the 1940s and 50s, Ogoniland was rich in flora and rare animals, including primates, ungulates and birds. By the time I was 12 years old in the late 1980s, the environment had deteriorated even more. As we drove to our ancestral village, my father would complain about the oil spills and would point at the gas flares, naked flames of hydrocarbon gas that would not be tolerated elsewhere.

His decision to speak out against it came at a time when corporate social responsibility was in its infancy and multinational companies such as Shell were rarely held accountable for their actions.

The Ogoni people are an ethnic minority with a small voice. In 1980s Nigeria they had little political leverage. Like other indigenous people in mineral-rich areas, we faced a David and Goliath battle with our federal government and Shell. Yet my father challenged

both a ruthless military regime and a multinational oil company that called upon the regime to secure its operations. Though he knew he could lose his life he had faith that justice would prevail in the long run.

His execution sparked outrage around the world. Nigeria was suspended from the Commonwealth, and the global environmentalist movement rallied around his cause, demanding that multinationals be held accountable for the pollution.

Chatham House / [Continue reading](#)

### SAUDI ARABIA: VISIT TO IOPC FUNDS BY THE MINISTER OF TRANSPORT OF SAUDI ARABIA

September 28 - The Director was delighted to welcome the Minister of Transport of Saudi Arabia, H.E. Mr Saleh bin Nasser bin Alali Aljasser, and his colleagues to the Funds' offices on 28 September 2021.

Saudi Arabia has observer status with the IOPC Funds and is regularly represented at meetings of the Funds' governing bodies. However, despite its location and prominent role in the oil industry, it is not yet Party to the 1992 Fund Convention.

This meeting provided a good opportunity for the Director to provide a brief overview of the international liability and compensation regime to the Minister and to highlight the benefits of joining the 1992 Fund.

It was a very positive discussion which concluded with the mutual agreement to maintain engagement going forward and with the Director offering the Secretariat's assistance with any steps towards ratification and implementation of the 1992 Fund Convention. <https://iopcfunds.org/news/visit-by-the-minister-of-transport-of-saudi-arabia/>



### SAUDI ARABIA: IMO AND KINGDOM OF SAUDI ARABIA SIGN NEW PARTNERSHIPS



October 1 – New funds will support projects to tackle biofouling and marine plastic litter and the designing of long-term programme to help cut ship emissions.

IMO has signed three partnership agreements with the Kingdom of Saudi Arabia to support the preparation of a new global project that targets ship-based emissions. Further funding goes to existing projects focused on biofouling and marine plastic litter.

The agreements, signed by IMO Secretary-General Kitack Lim and His Excellency Mr. Saleh bin Nasser al-Jasser, Minister of Transport and Logistic Services, Kingdom of Saudi Arabia (28 September), will see US\$509,000 going to the three environmental initiatives.

Targeting marine plastic litter - Under the agreement, the additional funding from Kingdom of Saudi Arabia will augment the ongoing GloLitter Project IMO / [Read more](#)

### SPAIN: GALICIA TESTS OUT ITS READINESS IN CASE OF OIL SPILLS

*Photo: The tarp barriers employed in the drill , Source: Xunta de Galicia*

September 28 - The drill exercise involved the placement of two protective tarp barriers – one for the sea, another for the beach

Qualified personnel carried out an environmental drill exercise yesterday morning at the Gandarío beach, located between the Ares and Betanzos river, not far from the city of A Coruña in Spain. This was to test out the readiness level of the various regional departments involved in marine and coastal protection, in case there was a case of an oil spill in the ocean. The high point of the drill was the utilization of special tarp barriers – one of which is meant to be placed in the water and the other on the sandy beach. The Mayor / [Read more](#)



## **SRI LANKA: X-PRESS PEARL SALVAGE MUST WAIT UNTIL THERE IS DEFINITELY NO BUNKER OIL ON BOARD**

September 21 - While a number of salvage companies have expressed an interest in undertaking the removal of the burnt-out container vessel X Press Pearl (IMO 9875343) off the coast of Sri Lanka, following a tender by the owner, the danger of environmental claims has led them to insist that it be made 100% certain that there was no bunker oil remaining in the vessel.

Fears remained that there some oil could still be inside the wreckage, despite various assurances given earlier. To ensure that no oil remains, divers will need to go inside and conduct a physical inspection, permitting the owner to give an indemnifying guarantee to the salvor that there is no oil left.

The wreckage continues to be monitored by the use of drones to detect any possible oil spill. A thin sheen of an oil slick emerged after the ship sank, and it is still visible, though reduced in size.

A caretaker company has deployed divers to conduct underwater surveys of the containers. Samples of the plastic nurdles from the ship have been sent to overseas labs for testing. Some have been sent to London and others will be sent to other foreign labs to identify the hazardous material in the plastic. Insurance Marine News / [Read more](#)

## **TURKEY: FROM GARANTI BBVA AND TURMEPA FOR A SUSTAINABLE WORLD AND CLEAN SEAS, BLUE BREATH PROJECT...**

September 22 - Working to combat the climate crisis and for a sustainable world, Garanti BBVA is launching the Blue Breath Project in cooperation with the Marine Cleansing Association/ TURMEPA to carry out awareness trainings on waste surface cleaning in the Marmara Sea and marine cleanliness in the provinces of the region in order to prevent marine pollution.

TURMEPA, which is part of the Marmara Sea Protection Action Plan Coordination Board established under the leadership of the Ministry of Environment and Urbanization to solve the mucilage problem in the Marmara Sea, will work primarily to prevent general pollution in the seas and to combat mucilage if needed with the support of Garanti BBVA.

During the sea cleaning leg of the 3-year project, 2 sea brooms that will clean the Bosphorus Strait will go to other regions to clean mucilage and solid waste in case of emergency. The second leg of the project will be awareness trainings. The trainings to be carried out within the scope of Blue Breath Project will aim to raise awareness about sea cleanliness in future generations. Regional awareness will be raised with trainings of 60,000 students and 4,000 teachers in 7 provinces in the Marmara Region, including Istanbul, Tekirdağ, Kocaeli, Yalova, Bursa, Balıkesir and Canakkale. "As Garanti BBVA, we have been taking initiatives to combat sustainable development, climate crisis and inequalities for more than 15 years. TURMEPA / [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

[Updated Environmental Sensitivity Index \(ESI\) Maps for Lake Erie](#)

NOAA has awarded a contract to Research Planning, Inc. (RPI) to refresh the Environmental Sensitivity Index (ESI) maps and data for Lake Erie. The work is expected to commence during the first quarter of FY22 and be completed by the end of the fiscal year.

[Register for the Great Shakeout!](#)

On October 21, OR&R's Disaster Preparedness Program (DPP) will lead two opportunities to practice earthquake safety during The Great Shakeout (link is external)! Registration is now open for participants to join at either 11:00 a.m. ET/8:00 a.m. PT OR 4:00 p.m. ET/1:00 p.m. PT.

[Hot off the press! New Open Access Publication Out on Oil Toxicity to Vertebrates](#)

A new publication entitled "[A review of the toxicology of oil in vertebrates: what we have learned following the Deepwater Horizon oil spill](#)" (link is external) is now available in the Journal of Toxicology and Environmental Health, Part B. The open access article can be found [for FREE online](#) (link is external).

[Marine Debris Program Presents at the Port Townsend Marine Science Center's Virtual Educational Series](#)

On September 15, 2021, Andrew Mason, Pacific Northwest Regional Coordinator of the Marine Debris Program (MDP) presented on marine debris and plastics as part of the Port Townsend Marine Science Center's virtual educational series in partnership with the Jefferson County Marine Resources Committee.

[Meet the New Emergency Response Division Chief Aaron Parker](#)

NOAA's Office of Response and Restoration (OR&R) is excited to announce that Aaron Parker was recently selected as chief of OR&R's Emergency Response Division — the group within OR&R that provides scientific support for preparedness and response to spills and other coastal emergencies. Aaron took the helm of the division on Aug. 30, 2021.

## USA: EPA NOW HOSTING BIWEEKLY NATIONAL ENVIRONMENTAL JUSTICE COMMUNITY ENGAGEMENT CALLS

September 27 - The U.S. Environmental Protection Agency (EPA) invites Environmental Justice (EJ) advocates and the public to participate in the agency's [National Environmental Justice Community Engagement Calls](#), now happening biweekly, to discuss and receive feedback on all aspects of EJ at EPA with partners and communities.

"The voice of communities is what centers and drives our efforts to advance environmental justice at EPA," said **Office of Environmental Justice Director Matthew Tejada**. "Our mission to protect the health and environments of everyone in the United States can only be achieved if we listen to and engage with communities who have not received the same level of protection. Given the historic mandate of the Biden-Harris Administration and Administrator Regan's leadership, these calls are a direct line for EPA to hear from communities."

By increasing the community engagement calls from quarterly to biweekly, EPA will further encourage an open dialogue with EJ leaders and advocates. These meetings not only serve as an opportunity to give an update on EPA's EJ work and its resources, but also to listen and learn from communities, partners, and stakeholders. Additionally, the biweekly community engagement calls speak to the agency's commitment to [Justice40](#), an initiative announced by President Joe Biden, to deliver 40 percent of the overall benefits of relevant federal investments to disadvantaged communities.

The next national EJ community engagement call is Tuesday, Sept. 28, 2021. Register here: <https://www.eventbrite.com/e/epa-national-environmental-justice-community-engagement-call-sep-28-2021-registration-173740832507>.

To see the calendar for upcoming calls, register for upcoming calls, and view meeting materials for past calls, please visit: <https://www.epa.gov/environmentaljustice/national-environmental-justice-community-engagement-calls>. You can also follow the EPA's Office of Environmental Justice on Twitter ([@EPAEnvJustice](#)) and subscribe to the EPA's EJ listserv by sending a blank email to [join-epa-ej@lists.epa.gov](mailto:join-epa-ej@lists.epa.gov).

## USA: BIDEN ADMINISTRATION RESTORES BIRD PROTECTIONS, REPEALING TRUMP RULE



*Photo: A burrowing owl in the Sage Creek Wilderness area in Badlands National Park in South Dakota. Credit...Bruce Montagne/Dembinsky Photo Associates, via Alamy*

September 29 - The Biden administration on Wednesday restored protections for migratory birds that were loosened under former President Donald J. Trump, a move celebrated by conservationists but expected to exacerbate tensions between the administration and the oil and gas industry.

The move comes as some bird species have been disappearing from the planet. North America has lost almost three billion birds in the past 50 years, scientists said. In addition to suffering from habitat loss and climate change, they are killed by collisions with buildings, power lines and communication towers. They die in oil waste pits and oil spills. The New York Times / [Read more](#)

## USA: U.S. CHEMICAL SAFETY BOARD CHAIRMAN KATHERINE LEMOS TESTIFIES AT SEPTEMBER 29TH HEARING, "PROTECTING COMMUNITIES FROM INDUSTRIAL ACCIDENTS: REVITALIZING THE CHEMICAL SAFETY BOARD."

September 29 - Today Chairman Lemos was joined by Managing Director LaCerte for invited testimony before the House Committee on Energy and Commerce's Oversight and Investigations Subcommittee at a hearing regarding the important work of the agency.

Chairman Lemos said, "I want to emphasize my appreciation to Congress and specifically the subcommittee for continuing to support the U.S. Chemical Safety and Hazard Investigation Board's (CSB's) work and mission,"

The CSB is the only federal agency tasked with independently investigating the causes of chemical accidents and making recommendations to prevent future incidents and fulfills an invaluable role to protect industry, workers and the environment. During testimony Chairman Lemos emphasized that she is proud to carry out that important mission and to continue to move the agency's work forward.

"I want to again thank the committee for their support and I look forward to working with them as I continue my tenure as CSB Chairperson. We still have a lot of work to do but I know that my team is up to the task." said Chairman Lemos. CSB / [Read more](#)

## **USA: PFAS SOIL STANDARDS CLOSER TO BEING SET IN PENNSYLVANIA**

September 29 - On September 23, 2021, Pennsylvania took another step towards enacting PFAS soil standards for cleanup processes in the state. It is important to note that the proposed soil concentrations would not create liability standards, at least not explicitly. Instead, the standards aim to be guidelines by which site remediators can gauge PFAS removal steps in instances of soil pollution. Nevertheless, the steps being undertaken by Pennsylvania represent a new step forward in PFAS regulatory action that other states are exploring, but have yet to affirmatively propose standards at this time. As other states follow suit, though, it is likely that some states will begin setting PFAS soil standards that include both a remediation guideline and liability purpose. Companies are well-advised to closely follow developments at the state level with respect to PFAS soil standards. National Law Review / [Read more](#)

## **USA: LOUISIANA - GREEK BULKER OPERATOR, CHIEF ENGINEER INDICTED ON MARPOL CHARGES**

October 1 - The chief engineer, owner and manager of the bulker Joanna were indicted by a Louisiana grand jury on September 30 on charges related to oil pollution, concealing deliberate pollution, and failing to report a hazardous condition. The four-count grand jury indictment on felony charges alleges that the engineer and the companies employing him tampered with required oil pollution prevention equipment and falsified the ship's records to conceal their actions. The Maritime Executive / [Read more](#)

## **USA: NEW JERSEY - EPA FINALIZES PLAN FOR NEXT PHASE OF CLEANUP AT THE SHERWIN-WILLIAMS/HILLIARDS CREEK SUPERFUND SITE**

October 1 - Today, the U.S. Environmental Protection Agency (EPA) finalized its cleanup plan to address waterbodies of the Sherwin-Williams/Hilliards Creek Site in Gibbsboro, Lindenwold, and Voorhees, New Jersey. The final decision, in the form of a Record of Decision (ROD), calls for the dredging of contaminated sediment, along with the excavation and capping of floodplain soil at Kirkwood Lake (Voorhees and Lindenwold), Silver Lake, Bridgewood Lake and Hilliards Creek (Gibbsboro). EPA / [Read more](#)

## **VIETNAM: SIMULATION OF MARINE PLASTIC LITTER IN VIETNAM**

*Photo: Lekima Hung, UNDP Vietnam.*



September 29 - In Vietnam, marine litter is a major problem. The Mekong River that flows into the far south of the country is in the top ten list of rivers in the world that transport plastic to the sea.

Ever since 2013, the Norwegian Meteorological Institute (MET) has been cooperating with Vietnam's Hydrometeorological Institute (VNHMA), with funding from Norad and the Ministry of Foreign Affairs. The institute has national responsibility for meteorological, oceanographic and hydrological warning services in Vietnam. The main topic of the collaboration has been to improve the warning of extreme precipitation, marine meteorology and ocean forecasting to prevent disasters. We are now building on already achieved results and developed models in a focus on the spread of marine plastic litter. Nordablog / [Read more](#)

## **PEOPLE IN THE NEWS**

### **USA: SEAFARERS' HOUSE HONORED LONG-TIME SUPPORTER CLIFF BERRY II AT 25TH ANNUAL 2021 INTERNATIONAL GOLDEN COMPASS GALA**



September 27 - For more than 20 years, Cliff Berry II has dedicated his time and passion to Seafarers' House. This year, the native Floridian and life-long Fort Lauderdale resident was honored with the non-profit organization's prestigious International Golden Compass Award.

Berry is President and CEO of Cliff Berry Inc., a Fort Lauderdale company founded in 1958 that offers environmental services. He has been on Seafarers' House Board of Directors since 1999. He currently serves as the board's vice president. Cliff Berry Inc. and the family generously gave a lead gift to the Place of Welcome Campaign to build the new Seafarers' House in Port Everglades. SCAA / [Read more](#)



### NOTICE OF MEETING - ISCO AGM 2021

It is planned to hold the 2021 ISCO AGM on the 9<sup>th</sup> December 2021, the meeting will take the form of a virtual online meeting, and once again every member is very welcomed, the time will be confirmed following the issue of the AGM papers. In the meantime please make a note in your diaries and if you have any item for the AGM then please sent them to me ASAP - Neil Marson Secretary General ([neilmarson@virginmedia.com](mailto:neilmarson@virginmedia.com))

### NEW ADDITIONS TO OUR WEBSITE MENU AT [HTTPS://SPILLCONTROL.ORG](https://spillcontrol.org)

- **UPCOMING EVENTS** – This new page gives you a listing of Upcoming Events with downloadable details of forthcoming events, where and when, and how to register if you would like to attend.
- **LATIN AMERICA REGIONAL PAGE** – This page is in Spanish language and features articles and news of interest to our Latin American community. Content is being provided by Carlos Sagera, ISCO's Representative in the Latin America Region.

## ISCO STUDENTS, TRAINEES & APPRENTICES CORRESPONDENCE PAGE

### ISCO OFFERS A FREE TRIAL MEMBERSHIP FOR STUDENTS, TRAINEES AND APPRENTICES DURING THE PERIOD OF THEIR STUDIES

Download the application form at <https://spillcontrol.org/membership-application-form/>

Members who are students, trainees or apprentices are invited to send in their profiles, a photo and share news of their activities for sharing information and possibilities for ideas-exchange and co-operation.

Please note that Kayode Peter Balogun has been named head of the student group. He can be reached at [balogunkayodepeter@yahoo.com](mailto:balogunkayodepeter@yahoo.com), Mary Ann Dagleish (VP Membership) can be reached at [mrydetroit@aol.com](mailto:mrydetroit@aol.com).

#### ISCO Member Profile and responses received from Akshaya Thakku Rajan –



“I appreciate the opportunity given by ISCO to all student members. Personally, for expediting my research work, it would be really helpful to get some guidance from researchers working on marine oil snow and biological carbon pump. Please find my info below.

Position: MS-PhD student (3rd year)

School: Indian Institute of Technology Madras, India.

Field of study: Oil spill weathering and interactions with biological carbon pump

Type of Information needed to complete studies:

1. Suggestions regarding setting up a lab for conducting experimental work on interactions of marine snow with oil droplets and biodegradation.
2. Guidance from available subject matter experts or researchers on marine snow or marine oil snow - to discuss basics of the biochemical aspects of the work.
3. Any possible synergy/joint research with researchers working on marine oil snow would be helpful

Possible ways I could assist ISCO:

1. Available for technical discussions on the topics of oil spill transport and fate.
2. Could collect information in regards to the Indian Ocean region.
3. Can assist in numerical modelling of oil spill fate processes.

Thank you for the opportunity to be a part of ISCO. It would be of great help to get assistance from ISCO especially in terms of guidance for experimental work on marine oil snow/biological carbon pump”. [trakshaya96@gmail.com](mailto:trakshaya96@gmail.com)

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ISCO Members and other readers of the ISCO Newsletter who feel they can assist our Student Members or accept offers of help should contact Kayode Peter Balogun at [balogunkayodepeter@yahoo.com](mailto:balogunkayodepeter@yahoo.com) or get in touch directly with our Student members.

We will do our best to alert you about things that may be of interest to you and ask that you reciprocate by sending me info on events, opportunities, etc. that may be of interest to others and can be shared on this page. [John.mcmurtrie@spillcontrol.org](mailto:John.mcmurtrie@spillcontrol.org)

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Corporate Members of ISCO can benefit from submitting news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter.

This is a free facility for Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 50 countries, it's a cost-effective way to promote your company.

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

## A SHORT MESSAGE TO LET YOU KNOW ABOUT AN UPDATE TO THE SERVICES AT MARITTIMA

September 30 - To reflect ongoing uncertainties as well as to provide flexibility, Marittima has started to offer a consultancy retainer package to assist clients with marine environmental support – both as it relates to routine business operations or marine incidents. Those who sign up to a retainer package will have access to support and advice at any time.

The consultancy retainer package includes advice over the phone as well as review and production of reports in support of specific cases or for general interest topics. Bespoke training and seminars on all environmental issues relating to incidents and sustainability hot topics can also be provided.

Examples of this support include:

- Pollution risk assessment and initial emergency response advice
- Broad environmental advice in the aftermath of groundings, whether this means an analysis of the incident location, the rules in place, local sensitivities and any potential mitigatory actions.
- Input on wreck removal ITTs and any pertinent environmental and social risks that should be considered. Review of any bids received and how they address these issues
- Development and review of internal sustainability targets and how actions taken in response to incidents can meet these objectives and be included in sustainability reporting
- Bespoke training and seminars on pollution and marine environmental issues relevant to shipping

As well as reflecting changes in the nature of inputs clients have been requesting, the exciting thing about offering such a service is that there is a real opportunity to become creative at engaging with real environmental concerns that are emerging. Doing so in a way that is meaningful and leads to better, more pragmatic outcomes – both in terms of costs and impact.

A small example for this is the environmental liability following incidents that seems to be growing at an exponential rate – for environmental injuries (and subsequent compensation) that are either perceived or very real. By assessing the likely risks – both actual and potential of even seemingly minor incidents, it is possible to consider potential mitigation strategies from the outset. Furthermore, actively engaging with wider marine conservation and biodiversity regeneration financing in locations where incidents occur provides an opportunity to integrate potential liabilities directed to those involved in an incident with more general biodiversity protection goals, projects and financing.

Whilst I am really pleased to see this growing interest of the shipping industry as a whole to address decarbonisation, I cannot help but think that the biggest opportunity for shipping and shipping related services lies in SDG 14 – life below water. So many of the actions taken in response to incidents actually work towards this highly overlooked goal. For me it is time that this begins to be more accurately reported and that also, the degree of any mitigation and restoration measures in the aftermath of incidents work towards this rather than some arbitrary and often nebulous goals.

Packages are individually tailored to be flexible depending on your needs. To find out more, please get in touch. Do feel free to share this with anyone who might be interested. Nicky Cariglia, Marittima Ltd., [www.marittima.co.uk](http://www.marittima.co.uk), Tel. +44 7720497082

## OSRL: OCTOBER 2021 NEWSLETTER

In this issue, we bring you our latest insights article - Plastics- Not So Fantastic, by Rob James.

If you've missed our past seminars, recordings are available on our [Technical Library](#) and we have included a link at the bottom of the newsletter so you can find them easily. In a new seminar adding this past month, OSRL's Mario Fazio was joined by Senior Scientist from CSA Ocean Sciences Inc, Jodi Harney to speak about OSRL SWIS Water Column Monitoring Equipment, Personnel and Services.

As always, we are [just a phone call away](#) should you need any assistance. For the latest information on our response readiness, do check out our [COVID-19 Readiness Dashboard](#).

### Face to Face EGM in London

We're looking forward to seeing our members in person in December after some time. We hope to see you there.

Title: Members' Forum and EGM (Members only) Date: 7-8 December 2021

If you are a member and would like to register for this event please send an email to [myosrl@oilspillresponse.com](mailto:myosrl@oilspillresponse.com)

### Plastics - Not So Fantastic

In this article Regional Director, EMEA, Rob James discusses plastics pollution and how the wealth of knowledge and expertise in the oil spill response industry should be our first port-of-call for pragmatic and effective solutions to a very real and present problem. [Read more](#)

### Remote training courses gain further three years accreditation from the Nautical Institute for delivery

Every three years, OSRL goes through a process of re-accreditation with the Nautical Institute (NI). The NI accreditation ensures that we meet all the requirements prescribed in their standards to deliver several accredited courses. [Read more](#)

### OSRL Announces Enhanced Preparedness and Response Capability for North Sea Members

OSRL has announced the signing of a new agreement with Marine Environmental Solutions Limited (MES), an offshore services specialist, to enhance oil spill preparedness and response capabilities for OSRL members within the North Sea (initially Scottish waters). [Read more](#)

### Assess your Crisis Preparedness

The new Crisis Preparedness Check Tool will help you assess your level of crisis preparedness and readiness for any surprise event. [Read more](#)

### Catch Up on Seminars

Didn't get to attend our recent seminars? You can watch the latest recording of Introduction to the OSRL SWIS Water Column Monitoring Equipment, Personnel and Services. Have you missed any of our expert seminars this past year? Click the links to access many more recordings. [Read more](#)

## UPCOMING WEBINARS

### EIGHT PHASE APPROACH TO HNS INCIDENT SCENE MANAGEMENT – A STRUCTURED APPROACH TO SAFELY RESOLVING HAZMAT INCIDENTS

**Tuesday, 5 October 10:00 AM (BST) - free webinar - Phase 4 – Tactical planning during the incident**

Phase 4 - Once life-saving activities have been conducted and the responders have the necessary preliminary information about the incident, phase 4 begins with tactical planning on how to implement the plan. This webinar will include resource considerations such as personal protective equipment (PPE) required and the importance of a decontamination strategy. The panel will then discuss how to contain and control the substance, set up an environmental protection plan, stabilise the scene and the critical role played by the Hazmat Advisor. [More info](#)

### NEW WEBINAR FROM GI WACAF

**Wednesday, October 13<sup>th</sup> - The compensation claim process in case of an oil spill**

There are **2 sessions of 60 to 75 minutes each: one in the morning at 10:00 am (GMT+1) in French and one in the afternoon at 2:00 pm (GMT+1) in English**. Do not hesitate to register, and please share the following links among your network: all GI WACAF webinars are free and open to everyone!

#### Registration links:

- How to claim for compensation in case of an oil spill? In English (at 2:00 pm GMT+1 on 13/10/2021): <https://event.webinarjam.com/register/52/zkq4va70>
- How to claim for compensation in case of an oil spill? In French (at 10:00 am GMT+1 on 13/10/2021): <https://event.webinarjam.com/register/53/gq3n5s65>

Il y a **2 sessions de 60 à 75 minutes chacune : une le matin à 10h00 GMT+1 en français et une l'après-midi à 14h00 GMT+1 en anglais**. N'hésitez pas à vous inscrire, et partagez ces liens avec votre réseau : tous les webinaires du GI WACAF sont gratuits et ouverts à tous !

#### Liens pour s'inscrire :

- Comment soumettre une demande d'indemnisation pour les dommages dus à la pollution par les hydrocarbures ? En français (à 10h00 GMT+1 le 13/10/2021): <https://event.webinarjam.com/register/53/gq3n5s65>
- Comment soumettre une demande d'indemnisation pour les dommages dus à la pollution par les hydrocarbures ? En anglais (à 14h00 GMT+1 le 13/10/2021): <https://event.webinarjam.com/register/52/zkq4va70>

### WEBINARS FROM THE UK & IRELAND SPILL ASSOCIATION

Thursday, 14 October 2021, 1500 BST

Knowledge Base: Inland – Soil sampling and analysis

[More info](#)

Soil analysis is essential in planning any ground remediation project. Its aim is to find out the condition of the soils that may be affected by the contamination, where the contamination is worst, the extent of it and its depth. It is also essential to know the type of soils affected, the type of contamination, to find out if there is any pre-existing contamination and also in a separate area to the contamination what the pre-incident soil conditions are. This information is obtained by sampling and for this, there will be a mix of hand sampling but also drill rig sampling. The information that samples give will enable remedial action to be planned and a risk assessment of the options involved can be presented and agreed upon before any intrusive work is conducted.

This webinar looks at sampling; how to manually take soil samples, how to use augers for shallow samples but then for deeper samples how to use drill rigs and important what to specify when planning the sampling work.

Then there is the soil analysis which is key to writing the plan. There are a lot of soil sampling options available from UKAS accredited laboratories. We hear from a laboratory about how to prepare to take samples, how to take them, how to record what was taken and where and the movement of them through to analysis and reporting. We will touch on what to tell the lab so that they can ensure they do the best job for you.

Wednesday, 20 October 2021, 1500 BST

Knowledge Base: Aerial surveillance, drones

[More info](#)

Wednesday, 17 November 2021, 1500 BST

Knowledge Base: Inland – Drill rig selection and safety

[More info](#)

### SUPPORTING UN SUSTAINABLE DEVELOPMENT GOALS WITH LEVEL 1 TELEPHONE EMERGENCY RESPONSE BEST PRACTICE

Tuesday 19<sup>th</sup> October 2021

From NCEC - Be part of the discussion with some of the chemical industries experts from leading organisations and chemical associations, to talk about level 1 telephone emergency response best practice and its role beyond compliance. [More info](#)

### SECONDARY CONTAINMENT – MANAGING DIFFICULT CONTAINMENT PENETRATION METHODS

Tuesday, October 26, 2021 Time: 11:00 a.m. EDT to Noon

Sealing difficult penetrations in secondary containment systems can be challenging using traditional methods. In this webinar, we will discuss the advantages of industrial spray coatings and BCI Polyseam™ for sealing around liner penetrations and difficult liner attachments.. The above is one of a series of webinars with a focus on secondary containment. For more info visit <https://www.basicconcepts.com/upcoming-events/>

### EXXONMOBIL OIL SPILL RESPONSE KNOWLEDGE TRANSFER WEBINARS 4 - 5

Please join us for the next webinars as follows:

**Webinar 4: November 2nd 2021;** Guest speaker – Ed Owens; Topic - What we really do on an oiled shoreline response

**Webinar 5: December 7th 2021;** Round-table discussion of stories during spills by Alan Allen, Ann Hayward Walker, Stephen Lehmann, and Ed Owens

The ExxonMobil Oil Spill Response Knowledge Transfer Webinar series is a monthly webinar to allow highly experienced OSR experts to transfer their knowledge to attendees. The webinar series will provide a platform to communicate, transfer, and preserve OSR knowledge, and to share insights and perspectives from industry, academia, oil spill responders, and other oil spill response experts. The webinar series started on Tuesday, August 10 from 9 - 10 am Houston time and will continue every first Tuesday of the following months. We intend to continue the webinars indefinitely depending on response and our ability to schedule appropriate speakers. To receive the link and other joining info, please send an email to Lin Zhao at: [lin.zhao@exxonmobil.com](mailto:lin.zhao@exxonmobil.com).

Note that there is still room for more participants so feel free to forward this invite to others but ask that potential attendees RSVP Lin Zhao to get on the distribution list.

## ONLINE AND OTHER TRAINING COURSES

### SOME USEFUL LINKS

- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2021 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/>

## ONLINE AND OTHER TRAINING COURSES (CONTINUED)

- UK – NCEC HAZMAT ACADEMY – [More info](#)
- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL - <http://nscs.tamucc.edu/schedule-2020-2021.html>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>

If you would like to be listed here, please contact your editor – [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

### TUNISIA: IMO OPRC LEVEL 2 TRAINING COURSE

November 9-11 - The Mediterranean Oil Industry Group (MOIG) and the Adriatic Training and Research Centre for Accidental Marine Pollution Preparedness and Response (ATRAC) are very pleased to invite you to IMO OPRC level 2 training course; which will be held from 09 to 11 November 2021 at Iberostar Averroes Hotel in South Hammamet-Tunisia.

The event will be open on Tuesday; 09 November 2021 at 09:00 am and expected to close on Thursday, 11 November 2021 at 13:15 pm. It will be animated by Mr. Vedran Martinic, ATRAC Director, Ms. Anja Pilepic and Mr. Marko Dordevic; Marine Environment Protection Associates.

The training course will be dedicated to Supervisors and On-Scene Commanders and its overall objective is to prepare them to coordinate and manage the response to an oil spill. The training course therefore aims at informing senior officials, designated to act as Supervisors/On-Scene Commanders during spill response operations, on the responsibilities of the members of an oil spill response organization; and on how to effectively respond to an oil spill through the deployment of equipment and resources at Regional or National levels.

The [Training Programme](#) is available on line for your reference. The working language will be English.

In order to enable MOIG to have all logistic arrangements made on time, it would be appreciated if you could have the online [Registration Form](#) completed and returned by Mail to [houcine.mejri@moig.org.tn](mailto:houcine.mejri@moig.org.tn) or by Fax at: +216 71 888 439 at your earliest convenience; preferably before 21 October 2021.

We would like to bring your kind attention that participants who wish to attend the training course shall be vaccinated against Corona Virus. In addition, MOIG and Iberostar Averroes Hotel will put in place the necessary preventive measures namely the respect of distancing, the wearing of masks and the use of hydro-alcoholic gel in the conference room, in order to ensure the maximum safety of participants. Whilst looking forward to meeting you in this training course, please do not hesitate to contact MOIG secretariat for any further information.

## SCIENCE & TECHNOLOGY

### CEDRE: EXPLORATION OF THE POTENTIAL FOR THE PRODUCTION OF BIO-SURFACTANTS BY FUNGI AND VALORIZATION IN THE FIGHT AGAINST MARINE POLLUTION

September 7 - Since the beginning of XXth Century, the race for oil has led to many oil accidents such as the grounding of the Amoco Cadiz in 1978 or the explosion of the Deepwater Horizon oil platform in 2010.

Many depollution techniques are used to counteract the potential pollution induced by these involuntary releases of hydrocarbons.

One of these techniques, dispersion, consists of spreading dispersants that are made up, in part, of surfactants.

These make it possible to disseminate the oil slick on the surface in multiple droplets distributed in the water column, thus facilitating the biodegradation of hydrocarbons.

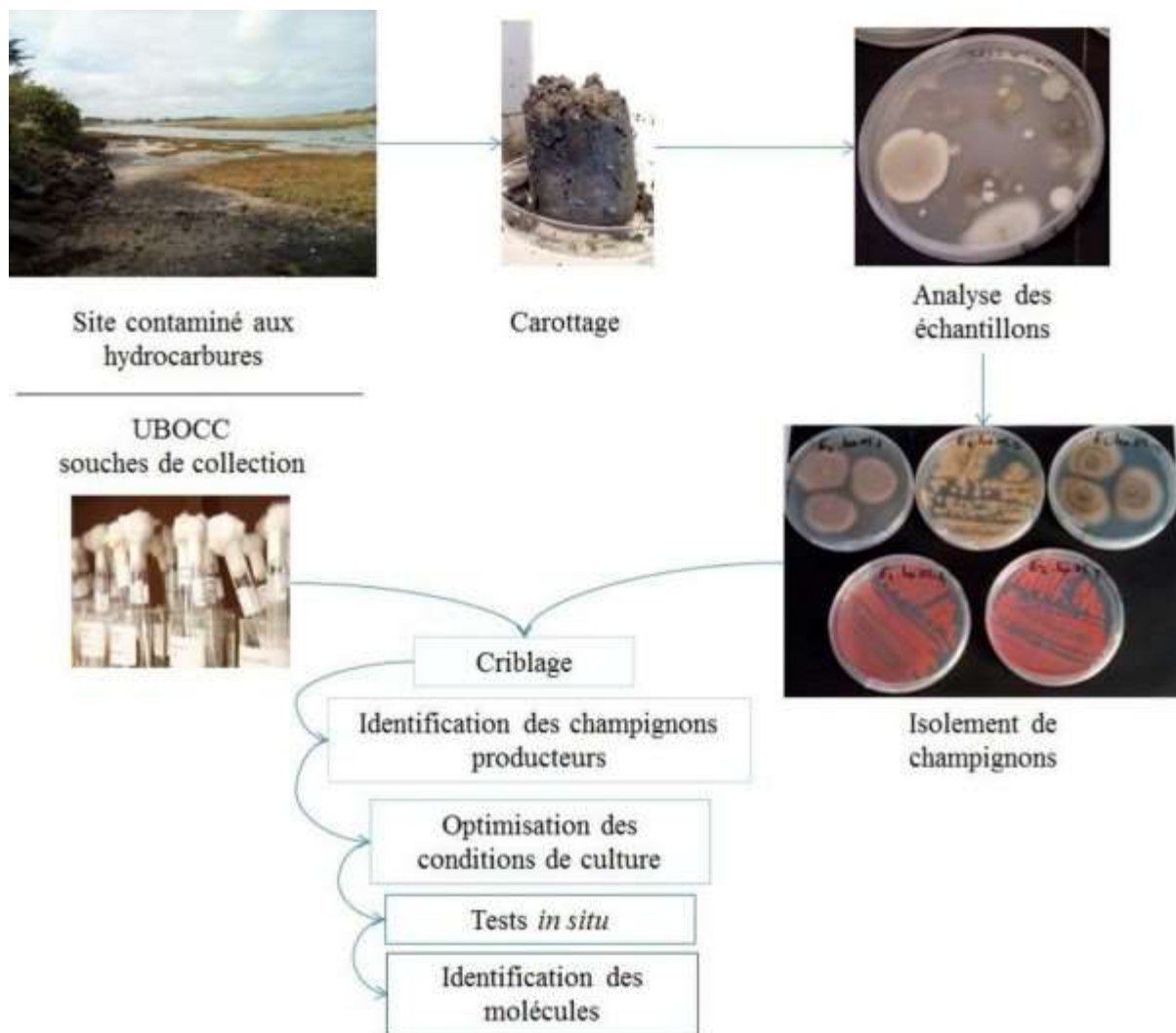
Nevertheless, the dispersants currently used are derived from petrochemicals and there are questions about their potential toxicity.

In this context, it seems interesting to develop dispersants of biological origin and with better biodegradability.

This axis is at the heart of the thesis entitled "exploration of the production potential of bio-surfactants by fungi and valorization in the fight against marine pollution" carried out at the University Laboratory of Biodiversity and Microbial Ecology (LUBEM, University of Brest) in collaboration with Cedre.

This thesis revolves around several tasks which are:

Isolate, identify and screen the potential for the production of surfactants by microscopic fungi from contaminated environments (water, sediments) and the Culture Collection of the University of Western Brest (UBOCC), study the impact and optimize the growing conditions for the production of these surfactants, evaluate their effectiveness (in comparison with synthetic surfactants used in dispersants) in situ at the laboratory scale and finally, characterize the chemical nature of surfactant molecules.



[Explanatory diagram of sediment sampling at the isolation of fungi](#)

Biotechnological applications could be considered later, if these molecules prove to be effective.

Source document: <http://wwz.cedre.fr/Menu-secondaire/News/These-en-cours>

## SCOTTISH FIRM WINS BACKING FOR ECO-FRIENDLY SOLUTION TO WATER POLLUTION

September 9 - An innovative Scottish business that uses eco-friendly solutions to clean up environmental contamination has become the first social enterprise in Scotland to secure investment from the state-backed Catalyst fund.

Social enterprise Sustainable Thinking Scotland (STS) was set up by entrepreneurs Sean Kerr and Stephen McQueen in 2016 to help tackle social and ecological issues in their local area of Bo'ness, West Lothian. Now the firm has been awarded  190,000 to enable them to bring their biochar technology to market.

Biochar is similar to charcoal, made by 'baking' waste wood and other biomass at high temperatures. It draws down carbon from the atmosphere into the soil, storing it for hundreds to thousands of years.

It has several applications, but innovations by STS mean it can be used to soak up nutrient pollution that can lead to toxic algae blooms in rivers, streams and other water bodies.

Once 'charged' with nutrients, the biochar is collected and can be added as a fertiliser to soil used for growing food crops.

STS director Sean Kerr said: "Our mission is to be Scotland's leading organisation in the development and targeted application of biochar, driving innovation within water remediation technologies and land management, creating a circular economy model which benefits both our environment and the people within our communities."

STS will use the investment to speed up growth of its biochar project, increase production capacity and research and development work, as well as to employ staff and develop core business operations for the intended scale-up. The Scotsman / [Read more](#)

## UPCOMING EVENTS

**Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed**

Your Editor is doing his best to keep this 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.

If an event title is not printed in blue ink it is not hyperlinked to the event website. This may be because the website is not yet available or because the link for the website has not yet been given.

If you want to request the addition of an event please contact the Editor.

For more information click on Title of Event			
COUNTRY	2021	TITLE OF EVENT	LOCATION
UK	October 12-14	<a href="#">Ocean Business 2021</a>	Southampton
UK / VIRTUAL	October 13-14	<a href="#">Water, Wastewater and Environmental Monitoring</a>	Online
AUSTRALIA	October 18-21	<a href="#">Ecoforum 2021 Conference</a>	Sydney
GERMANY	October 20	<a href="#">HELCOM Ministerial Meeting</a>	Lübeck
UK / VIRTUAL	Nov. 1-5	<a href="#">Meetings of IOPC Funds' governing bodies.</a>	Online
TUNISIA	Nov. 9-11	<a href="#">IMO OPRC Level 2 training course</a>	South Hammamet
VIRTUAL EVENT	Nov. 16-18	<a href="#">UN "Accelerating solutions to reduce plastic waste"</a>	Online
USA	Nov. 16-18	<a href="#">Clean Gulf Conference &amp; Exhibition</a>	San Antonio, TX
VIRTUAL EVENT	Nov. 17-18	<a href="#">Emergency Responders Drone Conference 2021</a>	Online
VIRTUAL EVENT	Nov. 22-26	<a href="#">IMO Marine Environment Protection Committee</a>	Online
SWEDEN/VIRTUAL	Nov. 24-25	<a href="#">National Conference on Oil Damage Protection 2021</a>	Karlskrona
UK	December 1-2	<a href="#">Salvage and Wreck Removal Conference</a>	London
CAMBODIA	December 1-4	<a href="#">East Asian Seas Congress</a>	Sihanoukville
COUNTRY	2022	TITLE OF EVENT	LOCATION
UK	March 15-17	<a href="#">Oceanology International</a>	London
AUSTRALIA	May 16-19	<a href="#">APPEA Conference and Exhibition</a>	Brisbane
USA	June 7-9	Elastec's Spring 2022 Oil Spill Workshop	Carmi, IL
NETHERLANDS	June 21-23	<a href="#">Interspill Conference and Exhibition</a>	Amsterdam
USA	October 4-6	Elastec's Fall 2022 Oil Spill Workshop	Carmi IL
BAHRAIN	October 11-13	<a href="#">International Conference &amp; Exhibition on Spills, Clean Seas &amp; Environment</a>	Bahrein
CROATIA	October 25-27	Regional Workshop – Enhancing Preparedness and Response in the Adriatic & Mediterranean Regions	Opatija

Please advise the Editor if any of the above 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](mailto:John.mcmurtrie@spillcontrol.org)

## MESSAGES FROM EVENT ORGANISERS

### USA: COUNTDOWN TO THE CLEAN GULF CONFERENCE & EXHIBITION IS ON!

We're counting down the weeks until we reunite with the spill prevention and response community at [CLEAN GULF](#), November 16-18, in San Antonio, TX! We have waited two years to get together, and we hope you are just as excited as we are for the event to take place. CLEAN GULF serves the spill response industry in prevention, preparedness, and response. It gives professionals a forum to come together with their peers to discuss case studies and lessons-learned from both recent and past incidents, and discover the latest technologies advancing prevention and response operations.

**CONFERENCE PROGRAM:** We have 21 sessions scheduled in 7 conference tracks, with a diverse group of industry experts lined up to speak. Conference tracks include: Business Continuity in Disaster/Crisis, Response & Restoration, Planning & Preparedness, Training & Exercises Best Management Practices, Research, New & Advanced Response Tools & Techniques, and Current Industry Concerns.

**EXHIBIT FLOOR:** Our exhibit floor includes 100+ exhibitors featuring products and services such as chemical detection, compliance solutions, containment equipment, data processing, disaster communication, drones, surveillance technologies, incident software, in situ burn products, response software, restoration tools, risk analysis, safety equipment, skimmers, swiftwater boom, waste disposal and much more!

**NETWORKING:** Networking is the #1 reason people attend CLEAN GULF each year and we've made sure to include as much time as possible to network at this year's event! Networking activities all take place on the exhibit floor and include 3 networking breaks, lunch and a welcome reception serving lite bites and drinks.

**Register now** for the 2021 CLEAN GULF Conference & Exhibition

## MESSAGES FROM EVENT ORGANISERS (CONTINUED)

### UK: ENERGY INSURANCE LONDON

8<sup>th</sup> October 2021 - The agenda includes a session “Oil Spill & Pollution Mitigation - How does incident management work and what technology is available to enable the validation and containment of costs and managing third party claims in response to environmental and oil spill incidents? An informative session from the people on the ground. [More info](#)

### SWEDEN: NATIONAL OIL SPILL CONFERENCE 2021

The annual National Oil Spill Conference in Sweden will be held in a hybrid version virtually and in Karlskrona in Sweden 24-25 November. The conference will be held in Swedish. [More info](#)

## 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, US EPA Tech Direct and USA Federal Contracts Update. European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter. See “Links for other publications” for links to download current issues of these publications.

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

<a href="#">AMSA Update</a>	Latest News from the Australian Maritime Safety Authority	Current issue
<a href="#">ATRAC Newsletter</a>	News from the Adriatic Training and Research Centre	October 2020
<a href="#">BIMCO Bulletin</a>	Marine and shipping-related news from BIMCO	June 2021
<a href="#">Newsletter from George Holliday</a>	News and commentary on HSE issues from George Holliday	Free on request
<a href="#">Cedre Newsletter</a>	News from Cedre in Brittany, France	July-August 2021
<a href="#">Eco Magazine</a>	Reporting on ocean science, innovation and exploration	Free on request
<a href="#">EMSA Newsletter</a>	News from the European Maritime Safety Agency	September 2021
<a href="#">Environmental Expert</a>	Environmental News from Environmental Expert	Current issue
<a href="#">Environmental Technology</a>	Environmental Monitoring. Testing and Analysis	September 2021
<a href="#">GDACS Newsletter</a>	Daily alerts for natural disasters – earthquakes, floods, typhoons, etc.	Free on request
<a href="#">GEF Newsletter</a>	Monthly Newsletter from the Global Environment Facility	Jul.–Aug. 2021
<a href="#">GESAMP</a>	Group of Experts on the Scientific Aspects of Marine Environmental Protection	Latest news
<a href="#">GISEA Quarterly Newsletter</a>	News from Global Initiative for South-East Asia	Q1 2021
<a href="#">IMO News Magazine</a>	News from the International Maritime Organization	Summer 2021
<a href="#">IMO Publishing Newsletter</a>	New and forthcoming IMO publications	September 2020
<a href="#">ITOPF Ocean Orbit</a>	News magazine from ITOPF with interesting spill response articles	February 2021
<a href="#">JOIFF Catalyst Newsletter</a>	Int'l Organisation for Industrial Hazard Management	Latest issue
<a href="#">Maritime Executive Magazine</a>	Often contains articles of interest to the spill response community	Current issue
<a href="#">MED News</a>	UNEP / MAP Barcelona Convention News	July 2021
<a href="#">MOIG Newsletter</a>	News from the Mediterranean Oil Industry Group	September 2021
<a href="#">NCEC Newsletter</a>	News from the National Chemical Emergency Centre	May 2021
<a href="#">Navigate Response</a>	Global crisis communications network for shipping & marine	Current issue
<a href="#">NOAA OR&amp;R</a>	Weekly round-up of news from NOAA's Office of Response & Restoration	Latest issue
<a href="#">Oceanbuzz</a>	Newsletter giving news on the Ocean Technology Industry	Current issue
<a href="#">OCIMF Newsletter</a>	News from the Oil Companies International Marine Forum	Current issue
<a href="#">OHMSETT Gazette</a>	Oil Spill Response Research & Renewable Energy Test Facility Quarterly	Current issue
<a href="#">Oiled Wildlife Log</a>	Bi-annual Newsletter from Tri-State Bird Rescue & Research	Summer 2021
<a href="#">PEMSEA Newsletter</a>	Healthy oceans, people and economies in the East Asian Seas	May 2021
<a href="#">Pollution Online Newsletter</a>	News for pollution prevention & control professionals	Current issue
<a href="#">Salvage World</a>	Quarterly Newsletter of the International Salvage Union	Current issue
<a href="#">Sea Alarm Foundation Newsletter</a>	Oiled wildlife Preparedness and Response news from Sea Alarm	Current issue
<a href="#">Society of Maritime Industries</a>	News from the UK's maritime engineering and business services sector.	Current issue
<a href="#">Spill Alert</a>	Quarterly Newsletter from UK & Ireland Spill Association	April 1, 2021
<a href="#">Technology Innovation News Survey</a>	News from US EPA – Contaminated Site Decontamination	July 2021
<a href="#">The Marine Insurer</a>	Includes latest news on pollution insurance matters	August 1-15, 2021
<a href="#">The Maritime Advocate</a>	Maritime News from Sandra Speares	June 2021
<a href="#">UNEP News</a>	Latest News from United Nations Environmental Programme	Current issue
<a href="#">USA EPA Tech Direct</a>	Remediation of contaminated soil and groundwater	Latest News
		Oct. 1, 2021



## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS (CONTINUED)

[USA Federal Contract Opportunities](#)  
[Water Pollution & Flood News](#)

The authoritative source for federal contract opportunities  
Monthly round-ups of UK & Worldwide Spill and Flood News

Current issue  
Free on request

Your editor 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](mailto:john.mcmurtrie@spillcontrol.org) if any links are not up-to-date.

## TECHNICAL SUPPORT

### HOW TO DESIGN EFFECTIVE TRAINING

October 1 - What is training? Training is task-oriented discovery or learning designed to meet desired skill objectives. Training is different from education. Training is about learning to perform tasks. It is short in duration. Education is about learning focused on a subject. It is long-term in duration. To train employees on a topic or task, you must find out what they know, find out what you want them to know, and then train them on the gap. The training should address skills, knowledge and abilities. Professional trainers use the ADDIE model to design effective training courses. The model is composed of five steps: 1. Analyze → 2. Design → 3. Develop → 3. Implement → 4. Evaluate

Step 1. The Analysis phase is the most important step in the process. It will guide future decisions. It helps you identify your audience, constraints or opportunities, and other factors useful in the design phase. "If you don't know where you're going, any road will take you there." This is where you define the learning objectives.

Step 2. The Design phase is the brainstorming step. This is where you use the information from the Analysis phase to create a program that meets the needs of your customer or audience. Testing your concepts in the design phase will save you time and money.

Step 3. The Development phase focuses on building the outcome of the design phase. It includes various steps such as initial drafts, reviews, re-writes, and testing. This phase can involve other individuals such as subject matter experts, graphic artists, and technical experts. For e-learning courses, this phase could require additional resources and technology.

Step 4. The Implementation phase includes presenting the materials developed and the distribution of the materials. It may include test pilots, train-the-trainer sessions, and other delivery methods to present the materials.

Step 5. The Evaluation phase plays an important role in the beginning and at the end of the process. The ADDIE Model is a continuous circle with overlapping boundaries. Evaluation occurs in all phases. Is the training meeting the learning objectives? How about the expectations of the learners? The evaluation will be used to revise the training to improve it.

In conclusion, make sure your training is effective by focusing on learning objectives and using ADDIE.

[Source document: <https://hazmat101.wordpress.com/2021/09/30/how-to-design-effective-training/>]

## JOB VACANCIES

### IMO IS CURRENTLY SEEKING A TECHNICAL OFFICER

The Marine Environment Division of IMO is currently seeking a Technical Officer on oil pollution response related matters. The position is a P2-equivalent post on a three-month contract, subject to extension based on satisfactory performance. Please click on the following link for further information on the position and application process:

<https://imo-recruit.azurewebsites.net/vacancies/606>

### REMPEC: CALL FOR APPLICATIONS FOR THE POSITION OF JUNIOR PROFESSIONAL OFFICER EXTENDED TO 31 OCTOBER 2021

<https://www.rempec.org/en/news-media/rempec-news/rempec-launch-the-recruitment-of-a-junior-programme-officer>

## INCIDENT REPORTS

### USA: AFTER HURRICANE IDA, OIL INFRASTRUCTURE SPRINGS DOZENS OF LEAKS

September 26 - When Hurricane Ida barreled into the Louisiana coast with near 150 mile-per-hour winds on Aug. 30, it left a trail of destruction. The storm also triggered the most oil spills detected from space after a weather event in the Gulf of Mexico since the federal government started using satellites to track spills and leaks a decade ago.

## INCIDENT REPORTS (CONTINUED)

In the two weeks after Ida, the National Oceanic and Atmospheric Administration issued a total of 55 spill reports, including a spill near a fragile nature reserve. It underscores the frailty of the region's offshore oil and gas infrastructure to intensifying storms fueled by climate change.

"That's unprecedented, based on our 10 year record," said Ellen Ramirez, who oversees NOAA's round-the-clock satellite detection of marine pollution, including oil spills. "Ida has had the most significant impact to offshore drilling" since the program began, she said.

Using satellite imagery, NOAA typically reports about 250 to 300 spills a year in American waters, including the Atlantic, Pacific and the Gulf of Mexico, a pace of about 25 spills a month. In the two weeks before Ida, NOAA spotted just five potential oil slicks in the Gulf. The program, the National Environmental Satellite and Data Information Service, uses satellite technology to detect important but hard-to-see events, like methane leaks, signs of deforestation and others, that affect the climate and environment.

There are some important caveats. NOAA's satellite tracking effort started years after Hurricane Katrina in 2005, which triggered a series of spills that ultimately released about 10 million gallons into the Gulf, the same amount of oil as the 1989 Exxon Valdez disaster off of Alaska. It also doesn't cover BP's Deepwater Horizon blowout in 2010, which spewed more than 120 million gallons of oil, the biggest offshore oil spill in United States history. (At the time, NOAA did engage in an experimental effort to use satellite imagery to track the oil's spread.)

NOAA cautions that there are still limits to using satellite technology to detect oil spills, and changes in wave patterns, or shadows cast by clouds, can sometimes look like slicks. With this technology, the agency cannot measure the amount of oil spilled. It produces the reports so the United States Coast Guard and others can mount a rapid response, scrutinizing the satellite imagery to differentiate between areas of thick oil that can be removed by skimming, and lighter oil sheens, which are generally too thin to recover. The New York Times / [Read more](#)

[Editor – This is a useful article. Recommended that you read the complete version.]

## INDIA: 30 TONNES OF TARBALLS CLEARED FROM BEACHES IN THREE TALUKAS OF GOA

*Photo: In August 2010, April 2011 and May 2011, tar ball deposition ..*

September 27 - In August 2010, April 2011 and May 2011, tar ball deposition was particularly massive on some beaches.

The episode, massive and prolonged, played out for nearly two weeks.

Ever since tar balls first started being spewed on Goa's beaches in the 1970s, the National Institute of Oceanography (NIO) scientists have been studying the possible source of the pollution.



There was no oil spill reported in the Arabian Sea and NIO concluded that "the only source for formation of tar balls could be the spill/tanker wash from the tankers passing through the international tanker routes across the Arabian Sea."

In a study, using hydrodynamics and particle tracking models, tar ball particles were released numerically at eight locations out at sea and five of them reached the Goa coast. This indicated the washing of tankers and accidental oil spills along the international oil tanker route.

While nearby coastal areas on either side of Goa's borders also report tar ball pollution, NIO studies have found the deposition contains biological communities such as diatoms, bryozoans, blue-green algae, and goose barnacles, which mix with the oil. Another study also found that tar ball formation can occur due to release from oil installations like Bombay High (BH) oil fields.

The Times of India / [Read more](#)

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