



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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- Captain Bill Boyle (UK)
- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

INTERNATIONAL NEWS

CLICK ON THE BANNER BELOW FOR MORE INFORMATION



WHERE DO WE STAND, ONE WEEK INTO COP 26?

Through promoting the latest science, events and more, at the [climate conference in Glasgow \(COP 26\)](#), the UN Environment Programme (UNEP) is working -- in person and online -- towards increased **global action on three core policy areas: mitigation, adaptation and finance.**

Launched in the lead up to COP 26, the [Emissions Gap Report 2021: The Heat Is On](#) found that even new and updated climate commitments fall far short of the goals of the Paris Agreement and may lead to global temperature rise of 2.7°C this century. More commitments have come but emissions are still rising and so are the needs for climate adaptation.

The [Adaptation Gap report: The Gathering Storm](#) out this week provides an update on the global status and progress of climate adaptation across planning, financing, and implementation. Policies and planning are increasing, yet financing and implementation lag behind.

Highlighted publications and announcements

- Protecting and restoring peatlands can reduce global greenhouse gas emissions by 800 million metric tonnes per year – equivalent to Germany's annual emissions. A new "[Economics of Peatlands Conservation, Restoration and Sustainable Management](#)" report calls for investments of up to USD 46 billion annually by 2050 to slash almost half the emissions caused by draining and burning peatlands.
- The [International Methane Emissions Observatory \(IMEO\)](#) was launched to improve reporting accuracy and transparency of human-caused methane emissions, which are responsible for at least a quarter of global warming.
- [An Eye on Methane](#) Report describes how state actors can take action to curb methane emissions from the fossil fuel industry.
- [Beating the Heat: A Sustainable Cooling Handbook for Cities](#) aims to encourage innovative action for urban areas.
- [A private sector roadmap to tackle air pollution and climate change](#) was launched, raising the voice of the private sector for stronger ambition and the inclusion of air pollutants into the climate agenda.
- The [Systematic Observations Finance Facility \(SOFF\)](#), which aims to fill the gaps in weather and climate data, was launched. [Release received from UNEP]

ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

Carlos Sagrera	Región Iberoamericana
Matthew Sommerville	UK London
John Noble	UK London & South'ton
Wue Yu	China

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

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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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INTERNATIONAL NEWS (CONTINUED)

COP 26 – COMMENT FROM TOM WHARTON

November 6 - Can an event be equal parts productive and divisive? Delegates from across our big blue world found out this week at the COP26 climate summit in Glasgow. The [Australian and French leaders](#) threatened to derail procedures with an unbecoming spat, while climate-vulnerable Pacific nations [begged rich countries](#) to be bolder with their targets. Fortunately, the sniping – including at China for failing to rock up – did not completely cloud the event. Pledges were made which, if implemented, could significantly reduce emissions. Although it must be noted that the word "if" shoulders a heavy load in the previous sentence.

More than 100 leaders have agreed to [stop deforestation by 2030](#). The reasoning is as sturdy as a redwood. Forests are carbon sinks; saving them offsets carbon, slashing and burning them releases CO2 back into the atmosphere. Even Brazil – which is cheerfully sawing and torching the Amazon – signed on. This feels a little ludicrous given that during Jair Bolsonaro's presidency the rate of [land clearing has nearly doubled](#). Indigenous activists [warned leaders and the public](#) to not trust Bolsonaro's "greenwashing" at COP26. Indonesia, [the world's biggest palm oil producer](#) also signed up but almost immediately offered a different interpretation of the agreement: one which magics up an option to not actually stop deforestation by 2030. "The massive development of President Jokowi's era must not stop in the name of carbon emissions or in the name of deforestation," Indonesian Environment Minister Siti Nurbaya Bakar wrote on Twitter. Great.

Two other headlines coming out of COP26 were an agreement to [phase out coal](#), and one to curb emissions generated by methane by 30 per cent by 2030. The first was panned for omitting CO2 generated by fossil fuels, oil and gas. There's also not much to get excited about: coal is already on its deathbed. And [major coal producers and burners](#) US, India, China and Australia were conspicuously absent from this agreement. The second story, the methane deal, is imperfect but [necessary nonetheless](#). The gas generated by open pit coal mines, gas leaks, and livestock is the second biggest contributor to global warming (behind CO2). It's also more than 80 times more potent than CO2. The same climate laggards (g'day Australia) skipped out on this pledge too.

All the chatter and duplicity aside: if countries implement the commitments made at COP26, the world can keep warming to [1.8°C above pre-industrialised levels](#). While the target to prevent catastrophic damage caused by climate change is 1.5°C, 1.8°C degrees of warming is far better than previous estimates of about 2.7°C. But rub is that none of the agreements are mandatory, so we are once again relying on blind good will.

[Editor: The foregoing is an excerpt from Tom Wharton's "Weekly Wrap", published in his excellent Inkl Newspaper. After searching for a good short summary of the outcomes of COP 26 this was the most fair and realistic account I could find. The Inkl Newspaper is published on subscription and a free trial is available.] <https://www.inkl.com/>

INTERNATIONAL SPILL CONTROL ORGANIZATION NEWS

ISCO'S AGM 2021 WILL TAKE PLACE VIRTUALLY ON 9th DECEMBER 2021

At time of writing ISCO Secretary-General Neil Marson is working to complete on the Agenda and Meeting Papers. These will soon be sent out ASAP to all members and posted on the website in the Members' Area.

More details, including the time and joining instructions will follow.

A NOTE FOR YOUR DIARY

Our next Zoom meeting is being scheduled for Wednesday 24th November 2021 at 0900 Detroit time or 1300 GMT or equivalent in your own time zone. We are bringing the meeting date forward by a day because in the USA Thanksgiving Day is on Thursday 25th November. The selected time is proving to be better for the majority of our worldwide membership.

YOUR INVITATION TO VISIT ISCO ON BOOTH 114 AT CLEAN GULF 2021

This year the Clean Gulf Conference & Exhibition celebrates its 30th anniversary and once again it will be a real event where you will be able to meet people. San Antonio in Texas is a great location. The event runs from 16th to 18th November.

This year Helena Rowland will be acting as an ISCO Ambassador and will be looking after the ISCO booth. She is looking forward to seeing you.

ISCO PRESENTATION AT PORT AUTHORITIES CONFERENCE IN SAN SALVADOR



ISCO was active with a presentation on Response to Spills at Sea in HNS Incidents and the situation of the HNS Convention in the region, by the ISCO Representative for Latin America (Spanish speaking), Carlos Sagrera MSc., which can be found on the COCATRAM website (<http://www.cocatram.org.ni/Repica/history.html>) and on the Latin American Page of the ISCO website. Above photo of the Executive Director of COCATRAM, Otto Noack, the Maritime Authority de El Salvador, Capt. Guillermo Jiménez, the Maritime Authority of Honduras, Dr. Juan Carlos Rivera, Senior Manager of PPC Hutchison Ports of Panama, Roxana Ortega and the ISCO Representative for Latin America, Carlos Sagrera.

MORE INTERNATIONAL AND REGIONAL NEWS

NEW DIRECTOR ELECTED AT IOPC FUNDS



The 1992 Fund Assembly declared that Mr Gaute Sivertsen had been elected as the next Director of the 1992 Fund from 1 January 2022 and that he would, ex officio, also be Director of the Supplementary Fund.

Gaute Sivertsen is Director in the Maritime Department of the Norwegian Ministry of Trade, Industry and Fisheries. He is responsible for maritime law, rules and regulations relating to maritime safety, security and seafarer issues.

He is also responsible for the governance of the Norwegian Maritime Authority. He is further responsible for coordination of all matters relating to the International Maritime Organisation (IMO).

News received from ISCO's London Ambassador, Matthew Sommerville. You can find more information on Gaute Sivertsen at <https://nettsteder.regjeringen.no/iopccandidacy/cv-gaute-en/>

CONFERENCE OF MARITIME AND PORT AUTHORITIES OF CENTRAL AMERICA

November 1 - Between October 26 and 29, the Conference of Maritime and Port Authorities of Central America REPICA XLIII was held in San Salvador (<https://www.amp.gob.sv/ampweb/repica-xliii-el-salvador-2021/>), organized by COCATRAM. Official and private sector representatives from Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama, as well as Mexican ports and regional organizations participated. Within the framework of the meeting, different topics were touched on the region's port and maritime activities, projects under development, as well as the logistical, technological and environmental situations in the port systems. See the Program

http://www.cocatram.org.ni/repica/Programa%20Preliminar%20XLIII%20REPICA_Miembros_Lspanish.pdf.

[Thanks to Carlos Sgrera, MSc., ISCO Representante América Latina and ISCO Council Member]

RECSCO TABLE TOP EXERCISE 2021



November 2 - On Tuesday, November 2, 2021, the Maritime Emergency Mutual Assistance Center (MEMAC) participated in a virtual office exercise set up by the Regional Organization for the Conservation of Sea Cleaner (Rixo), which took nearly two hours and included the member oil companies of Rixo (ADNOC, Aramco, Chevron, Joint Khafji Operations, Dubai Petroleum, Babco, Oman Oil Development Company and KPC). The aim of the exercise was to test the ability of companies Members of Rixo mobilize resources, equipment and staff in case of need for assistance from another member company in accordance with the Rixo Agreement.

The exercise began at 10:00 a.m. local time (13:00 UTC) with the announcement of a massive oil spill at the Siri oil field between the Iranian and UAE water borders through the satellite surveillance system. MEMAC / [Read more](#)

OSPAR AND CLIMATE CHANGE MEETING

November 3 - Just a few weeks before COP26, ministers from around the North-East Atlantic collectively agreed to achieve seas that are resilient to the impacts of climate change and ocean acidification at OSPAR's Ministerial meeting on 1 October 2021.

The Cascais Declaration, which was adopted during the meeting in Portugal, reaffirms that climate change is the existential crisis of our time and that its effects on our ocean are profound. It confirms that the best way to protect the ocean from the impacts of climate change is to work through the United Nations Framework Convention on Climate Change to reduce greenhouse gas emissions, and through the Paris Agreement to limit global warming to well below 2°C, and preferably to 1.5°C, compared to pre-industrial levels.

OSPAR also adopted its North-East Atlantic Environment Strategy (NEAES) 2030 which will guide the work of OSPAR for the next decade. Addressing the climate emergency is at the core of the NEAES 2030 which includes three dedicated strategic objectives on climate change:

NEWS REPORTS FROM AROUND THE WORLD

GHANA: STAKEHOLDERS REVIEW NATIONAL CONTINGENCY PLAN ON OIL SPILLAGE IN ELMINA

November 3 - The Environmental Protection Agency (EPA) has begun stakeholder consultation as part of efforts to review the national contingency plan on oil spillage into one that can promptly respond to oil spillage incidents.



Pictured above - Participants in a group picture after the workshop. The Acting Director of the Petroleum Department of the Environmental Protection Agency (EPA), Mr Kojo Agbenor-Efunam, said the nation needed a national contingency plan that would enhance the agency's ability to respond adequately to incidents of oil spillage on coastal and marine environment and reduce its impact. [Graphic Online / Read more](#)

KOREA: CELEBRATING THE 30TH ANNIVERSARY OF THE REPUBLIC OF KOREA JOINING THE UNITED NATIONS

October 22 - The year of 2021 marks the 30th Anniversary of the Republic of Korea (ROK) joining the United Nations. To celebrate this event, the United Nations offices in ROK and the Ministry of Foreign Affairs of ROK jointly organized a virtual Policy Dialogue on the Future of Multilateralism and the Role of the Republic of Korea on 22 October 2021. [UNEP / Read more](#)

NIGERIA: HYPREP CAUTIONS AGAINST REMEDIATED SITES' RE-POLLUTION ...AS CONTRACTOR RECOVERS 22M LITRES OF CRUDE FROM SPILL SITES

November 1 - The Hydrocarbon Pollution Remediation Project (HYPREP) has called on the people of Ogoni to desist from activities capable of jeopardising the ongoing remediation of polluted sites in Ogoniland.

The Information Officer of HYPREP, Mr. Kpoobari Nafo, said this during an inspection of remediation sites and water supply projects by members of Oil Watch International.

Nafo stressed that the ongoing activities in the various remediation sites and water supply schemes in Eleme, Tai, Gokana, and Khana Local government areas, were indications that the Federal Government was sincere on the project.

He also advised companies in the oil sector operating in Nigeria and beyond to always maintain international best practices and ensure swift response to oil spills, to avoid unnecessary pollution of land. [The Tide / Read more](#)

NIGERIA: BODO REMEDIATION PROJECT UPDATE REVIEW (STAKEHOLDER REPORT 17)

November 2 - We are pleased to provide this 17th summary report on the Bodo Remediation Project, updating activities underway during the past several months. Of note, the Project continues at a good pace to complete remedial activities on the nearly 1000 ha of work area involved by late 2022 to 2023, and currently reports a 59% completion since starting Phase 2 in 2019. Both chemical sampling and mangrove seedling planting are underway with good results to date. All chemical analyses so far meet government requirements for close-out, and over 220,000 seedlings are now in the ground. Total wastes removed have reached over 3700 tons.

Highlights of our outreach program include a field visit by Dutch Embassy representatives, participation in radio call-in shows and various blogs. As called upon, the Project office is participating with UNEP and HYPREP (Federal Ministry of Environment) to pass on

the lessons learned regarding both remedial assessment techniques and mangrove planting in contaminated sediments of the Niger Delta.

You can read the report and view many photos of the ongoing work. See a direct link to the document shared in drive for your information: <https://drive.google.com/uc?export=download&id=1zZvtQAUXOOjDDHBKXX5P2w6V39FuNUOY>

SOUTH AFRICA: DURBAN BEACHES AFFECTED BY UPL CHEMICAL SPILL TO REOPEN

November 1 - KWAZULU-NATAL MEC for Economic Development, Tourism and Environmental Affairs (Edtea) Ravi Pillay has announced that beaches that were closed after the chemical spill in July from the United Phosphorus LTD (UPL) leased warehouse would be allowed to reopen for recreational activities from tomorrow.

“The beaches that were closed due to contamination from the toxic chemical spill emanating from the UPL warehouse in Cornubia in July, would be significantly, but not completely, reopened from November 2,” a statement said yesterday. IOL / [Read more](#)

UK: UPDATED - MSN 1829 (M) SHIP TO SHIP TRANSFER REGULATIONS 2020

November 5 – Guidance: Outlining detailed requirements about ship-to-ship transfers of a cargo made up entirely or mainly of oil. Maritime & Coastguard Agency / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

October 31 – Please click on the links below to download and read the latest News Reports from NOAA OR&R

[Great Lakes Short-term and Seasonal Ice Forecasting Tools Webinar](#)

As the temperatures start to cool and snow starts to fall, the Great Lakes region begins to warm up to the idea of winter recreational activities. Ice fishing, racing snow mobiles, enjoying the city view from half a mile offshore on a thick slab of ice are all examples of outdoor enjoyments local residents look forward to after the new year.

[NRDA Preassessment for Huntington Beach Oil Spill in California](#)

NOAA scientists from OR&R’s Office of Response and the Fisheries Restoration Center are in Southern California working with our state and federal co-trustees to initiate a Natural Resource Damage Assessment for the Huntington Beach oil spill (Pipeline P00547) that occurred in early October 2021.

[Marine Debris Program Welcomes New Mid-Atlantic Regional Coordinator](#)

On October 27, Katie Morgan joined the NOAA Marine Debris Program (MDP) as the new Regional Coordinator for the Mid-Atlantic. As Regional Coordinator, Katie will represent the MDP in the region, and work with agencies, NGO, industry, and academia on a variety of projects and initiatives to identify, research, prevent, assess, and remove marine debris.

[Disaster Preparedness Program Leads Great Shakeout Exercise](#)

Every year on the third Thursday in October, participants around the world practice earthquake safety during The Great Shakeout(link is external). On October 21st, OR&R’s Disaster Preparedness Program (DPP) held two offerings of a virtual earthquake drill to take part in this event along with more than 15.9 million global participants.

[OR&R’s You Don’t Know What You Don’t Know Lecture Series: Marine Snow](#)

What is marine snow? It is definitely not something strap on your boots and board to go ski, it is a little deeper than that, actually way deeper. In fact, look to the oceans, marine snow is mostly an organic matter that is falling from higher layers of the water column to lower layers and eventually settling on the sea floors.

November 18, 2021 at 3pm EST. <https://noaaorr.adobeconnect.com/orrlectureseries/>
For further information, contact Hayley.Betker@noaa.gov

USA: THIS BROOKLYN CHEMICAL SPILL IS CONSTANTLY SPEWING FUMES. THE EPA WANTS IT TO BE A SUPERFUND SITE

November 1 - The Environmental Protection Agency has announced a proposal to designate the Meeker Avenue Plume in Greenpoint, Brooklyn as a federal Superfund site. If the area is added to the EPA’s Superfund National Priority List, it would become eligible for a cleanup as New York City’s fourth Superfund site. The Superfund program seeks to remediate the most polluted sites in the United States, and it allows the EPA to bill the cost of their cleanups to those who caused the pollution. Three other toxic Superfund sites in the city are currently undergoing lengthy cleanup processes, which will take many more years and hundreds of millions of dollars to complete.

Gothamist / [Read more](#)

USA: U.S. TO SHARPLY CUT METHANE POLLUTION THAT THREATENS THE CLIMATE AND PUBLIC HEALTH

November 2 - Today, the U.S. Environmental Protection Agency (EPA) took an important step forward to advance President Biden's commitment to action on climate change and protect people's health by proposing comprehensive new protections to sharply reduce pollution from the oil and natural gas industry – including, for the first time, reductions from existing sources nationwide. The proposed new Clean Air Act rule would lead to significant, cost-effective reductions in methane emissions and other health-harming air pollutants that endanger nearby communities. As part of today's action, to inform a supplemental proposal, EPA is seeking comment on additional sources of methane to further strengthen emission controls and increase reductions from oil and gas operations. EPA is issuing the proposal in response to President Biden's Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis. EPA / [More info](#)

USA: VIDEO - NOAA FINDS WRECK OF LOST WWII TANKER

October 31 - The NOAA research ship Okeanos Explorer may have located the wreck of the lost WWII tanker SS Bloody Marsh, one of the hundreds of merchant ships that were sunk by German U-boats off the eastern seaboard of the United States during the first years of World War II.

SS Bloody Marsh was a standard T2 tanker built at Sun Shipbuilding and deployed in coastwise service. In June 1943, on her maiden voyage, she departed Houston with a cargo of 100,000 barrels of fuel oil and headed for New York. On July 2, as she passed up the coast of South Carolina, she encountered the Nazi U-boat U-66, captained by Kapitänleutnant Friedrich Markworth.

SS Bloody Marsh and dozens of other WWII-era tanker wrecks are considered to have significant potential for pollution, given their contents and the slow decay of their steel hulls. Bloody Marsh is on a NOAA list of 87 high-priority wrecks, and Okeanos Explorer has been tasked with locating the site. "Based on evidence surveyed, participating scientists are reasonably certain that it is SS Bloody Marsh," NOAA Ocean Exploration said Thursday. The Maritime Executive / [Read more](#)

PEOPLE IN THE NEWS

OR&R BIOLOGIST RECOGNIZED WITH LEGACY AWARD



October 18 - The Pacific States/British Columbia Oil Spill Task Force recently announced winners of its Legacy Awards and we are excited to announce that OR&R scientist emeritus Gary Shigenaka was selected for a 2021 Legacy Award in the individual category.

For over 40 years, Gary has provided biological and shoreline assessment support during hundreds of oil spills across the country and internationally, as well as notable scientific research that substantially advanced the capabilities of the spill response community. An exceptional accomplishment in Gary's career was his screenwriting for and directing of the award-winning documentary, [Hindsight and Foresight: 20 Years After the Exxon Valdez Spill](#). OR&R / [Read more](#)

NEW ETAP REPRESENTATIVE IN MOIG MANAGEMENT COMMITTEE

October 20 - The Management Committee Members are very delighted to welcome Hatem Ben Khelil; the new ETAP representative in MOIG Management Committee, instead of Rached Hachemi, who was recently nominated a General Manager at Amilcar Petroleum Operations, MOIG member.

Hatem has over than 31 years experience in HSSE field. He holds an Engineer degree obtained in 1989 from the Algerian Petroleum Institute (IAP). He started his professional career at ETAP in 1990, as an Environmental and Safety Engineer. MOIG / [Read more](#)

NEWS FROM ISCO MEMBERS

NEW INSIGHTS ARTICLE FROM OSRL : WHY PREPARING FOR OILED WILDLIFE EMERGENCIES STILL MATTERS IN THE ENERGY TRANSITION

November 5 - In an operating environment with a heightened focus on the transition to renewable energy sources and the goal of net-zero carbon emissions, there is intense public pressure and expectation that environmental protection will be at the forefront of economic activities. As government and industry look beyond oil, it is critical that environmental risk from oil spills, including wildlife impact, stays squarely in focus.

NEWS FROM ISCO MEMBERS (CONTINUED)

In a rapidly shifting strategic environment where the energy transition is increasingly taking centre stage, do the previous industry commitments to implementing preparedness and fully integrating wildlife response capability still matter? The short answer is yes.

Author: Paul Kelway [Read here](#)

And an Interview with Mike Ziccardi from the Oiled Wildlife Care Network

In this interview, Mike Ziccardi, Director of California's Oiled Wildlife Care Network shares the scale of collaborative network efforts that goes into care of wildlife. [Read here](#)

ISCO STUDENTS, TRAINEES & APPRENTICES CORRESPONDENCE PAGE

ISCO OFFERS A FREE TRIAL MEMBERSHIP FOR STUDENTS, TRAINEES AND APPRENTICES

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

- **A NEW WHATSAPP GROUP HAS BEEN CREATED FOR STUDENT MEMBERS**

Kayode Peter Balogun advises “A student WhatsApp group has been created. Here is the link to add other students: Follow this link to join my WhatsApp group: <https://chat.whatsapp.com/KMxdW7IEal79namyNibVqg>”

- **CLARIFICATION ON DURATION OF FREE PERIOD OF MEMBERSHIP FOR STUDENTS, TRAINEES AND APPRENTICES**

Until recently there has been some confusion over the length of the free trial membership provided by ISCO for student members. The ISCO Secretariat is now pleased to confirm that it is no longer restricted to only one year. **ISCO provides Student Membership free of charge during the period of the student’s studies.** More detailed information about Student Membership will soon be available as an outcome of work currently being done on the revision of ISCO’s rules and regulations.

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, Mary Ann Dagleish (VP Membership) can be reached at mrydetroit@aol.com.

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 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

CONTRIBUTED ARTICLE

INTRODUCING THE TEXAS A&M UNIVERSITY NATIONAL SPILL CONTROL SCHOOL

An article by Dr Tim Gunter, Director, National Spill Control School, Advisor to the US National Response Team and Member of ISCO Council for the USA.



Tim Gunter joined Texas A&M University Corpus Christi as the 5th Director of the National Spill Control School in 2021. Prior to joining Texas A&M University Corpus Christi, Tim spent 4 years working at an oil and gas pipeline company and mobilized to incidents in North Dakota, South Dakota, Missouri, Michigan, and West Virginia. Previously to working in the industry, Tim spent most of his 20-year Coast Guard career focused on spill preparedness and response. He has an undergraduate degree in Civil Engineering, Master’s in Environmental Management, MBA, and a doctorate in Educational Leadership. Tim recently received an appointment as the United States National Council Member of the International Spill Control Organization, which is dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency. In this role, Dr. Gunter will serve as an advisor to the International Spill Control Organization Executive Committee, which has consultative status at the International Maritime Organization.

CONTRIBUTED ARTICLE (CONTINUED)

The National Spill Control School (NSCS) at Texas A&M University-Corpus Christi was established in 1977 and was named as a consulting, training, and research resource for the National Response Team in the US Oil Pollution Act of 1990. The NSCS offers specialized hands-on mandated training for professionals and workers in the oil spill, HAZMAT, and emergency management industries as well as others in exploration, production, and transportation who deal with spill prevention, planning, and response.

The National Spill Control School at Texas A&M-Corpus Christi continues to serve its mission to educate, provide consultation, and conduct research on environmental and emergency response and safety. It's an international institution serving the oil, gas, petrochemical, transportation, waste management, military, government, and academia. The school has hosted numerous international students at its island location along Corpus Christi Bay, Texas, over the last 44 years and worked with international students at courses held at Ohmsett, The Oil Spill Response Research and Renewable Energy Testing Facility.



Ohmsett is a full-scale oil spill response testing and training facility where research and training can be conducted on water in a test tank and in various sea states with a variety of petroleum products. The heart of the facility is the large outdoor, above ground concrete test tank measuring 203.3 meters (667 feet) long, 19.8 meters (65 feet) wide, and holds 9.84 million liters (2.6 million gallons). The three- and half-day NSCS course at Ohmsett is designed to 1) Assist oil spill response and management personnel in the development of skills necessary to make quick and informed decisions during oil spill incidents; and 2) Provide hands-on spill response equipment handling and oil recovery training using full-scale equipment with real oil in the

test tank. The NSCS looks forward to restarting hands-on training post-COVID at Ohmsett in April 2022.

The National Spill Control School at Texas A&M-Corpus Christi has strong partnerships with the South American maritime community as well. The school entered into an agreement to collaborate and conduct joint spill training with TRANSPORMAR, S.A.S. LIMITED that first started in 2018 in Cartagena, Colombia. The 5-day National Spill Control School Oil Spill Course will be offered again for the first time in two years from Dec. 6-10, 2021, in Cartagena, Colombia.

The spill course focuses on how to deal with crude oil, fuel oil, and petrochemical products in an oil spillage at seawaters offshore, onshore, river, and inland. Skimmer types and boom configuration are reviewed in the three-day classroom lecture and two days on-the-water training. The training course meets International Maritime Organization Level II requirements for Supervisors and On-Scene Commanders and incorporates the International Petroleum Industry Environmental Conservation Association (IPIECA) Oil Spill Inland Response Guide and At-Sea Containment and Recovery Guide. For more information, email info@transpormar.net or call (57) 605 6478917.



Dr. Tim Gunter, Director, National Spill Control School, Advisor to the US National Response Team

Texas A&M University – Corpus Christi, 6300 Ocean Drive, Unit 5850, Corpus Christi, TX 78412

P: (361) 825-3335 | www.tamucc.edu/research/nscs/

UPCOMING WEBINARS

WEBINAR ON MARINE PLASTIC POLLUTION MONITORING

Tuesday Nov. 9, 2021 2 pm – 5pm (GMT +7)

Partnerships in Environmental Management for the Seas of East Asia (PEMSEA) is organizing a webinar on replicable models on marine plastic pollution monitoring on 9 November 2021. The webinar is slated from 2PM to 5PM (GMT+7) via Zoom and is open to all interested parties.

“This event aims to highlight all lessons learned from the ASEAN-Norwegian Cooperation Project on Local Capacity Building for Reducing Plastic Pollution in the ASEAN Region (ASEANO) and other efforts in Asia to reduce the flow of plastic waste into the ocean,” explains PEMSEA Executive Director Aimee Gonzales. [More info](#)

PERSPECTIVES ON OPTIMISING REMEDIAL STRATEGIES FOR CONTAMINATED SITES

Thursday Nov 11, 2021 12:00 PM - 1:00 PM AEDT

Remedial strategies often evolve over time. Particularly at complex sites, remedial performance may not meet expectations and alternative technologies may be tried, with similar results. Millions of dollars and decades can be spent implementing and adjusting the remedial program. Stakeholders may lack consensus on a path to site closure. Taking a step back to re-assess conceptual site model (CSM) limitations and data gaps and identify where and why contaminants persist longer than expected can lead to insights for optimising the remedial approach and improving performance. This presentation will describe various tools and approaches used to interrogate areas with persistent contamination, how to capitalise on and communicate the extent of natural attenuation to stakeholders, and concepts for beginning a dialogue and developing a path to closure. Case studies will illustrate potential benefits of revisiting the CSM and remedy basis, as well as the process for developing a remedial strategy that provides a path to site closure, depending on the regulatory framework, stakeholder input, applicability of risk-based closure strategies, acceptable remedial timeframes, and impact on receptors

This presentation will be held as a live webinar. A unique access link will be sent to registrants on the morning of the event. If you are unable to attend on the day, the session will be recorded and available to view later. [Registration](#)

SEMINAR: EXTREME HOT WEATHER RESPONSE

Monday, November 15, 2021. 1100 GMT (1300 Bahrain Time) Duration: 45 min

This seminar, delivered in Arabic, looks to explain the basic information about response in extreme hot weather environments. The presentation will cover how to evaluate the heat risk, tools used for evaluation and the control measures that OSRL is taking to reduce the effect of heat on responders during oil spill incidents. Presented by Mohamed Darwish Moustafa, Senior Response Specialist [Registration](#)

SECONDARY CONTAINMENT – INSULATED COATINGS FOR ABOVE GROUND STORAGE TANKS

Tuesday, November 16, 2021 Time: 11:00 a.m. EDT to Noon

Corrosion Under Insulation is a growing and costly problem for operators of Above Ground Storage Tanks. In this webinar, we will discuss thermally insulative industrial coatings and their use for insulating and preventing Corrosion Under Insulation.

For more info visit <https://www.basicconcepts.com/upcoming-events/>

EU/GIZ RETHINKING PLASTICS PROJECT WEBINAR

Tuesday, November 16, 2021. 3 pm (PH time)

On November 16, 2021 at 3:00-5:00 PM (GMT+8), an Online Dialogue on Circular Economy Solutions to Reduce Plastic Waste and Marine Litter will be jointly organized by the EU/GIZ Rethinking Plastics – Circular Economy Solutions to Marine Litter Project and the Philippines’ Department of Environment and Natural Resources (DENR) to provide a platform for the sharing of strategies, tools, and lessons learned on circular economy for plastics to prevent and reduce marine litter. [More info](#)

WEBINARS FROM UK & IRELAND SPILL ASSOCIATION

Wednesday, 17 November 2021, 1500 BST Knowledge Base: Inland – Drill rig selection and safety [More info](#)

This webinar presented in conjunction with Structural Soils and RSK-RAW will focus on Drill Rigs, how to use the right one for the job and how to use them safely. Eric Downey, Associate Director of Structural Soils, will explain the different types of drill rig in common use, how to select the right rig for the job and the operational considerations to be made when using them. Importantly he will explain the health and safety factors to be appreciated when using them and working around them.

UPCOMING WEBINARS (CONTINUED)

Ruaraidh McKinnon, Business Manager at RSK Raw will discuss when to use a drill rig as part of a ground investigation strategy, monitoring well installation, environmental sampling and other considerations such as noise, vibration and of course the space needed to use them safely. There will then be a few case studies to explain how they were used and the results delivered.

[Registration](#)

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

Phase 6 – Development of the incident - Details coming soon

This phase considers the need to constantly monitor the incident and the subsequent change in plans depending on any new development. The webinar will be focused on how to move forward when there is a need to scale up and bring on extra resources, or relief crews or scale down during a hazmat incident. The panel will also look at multi-agency, collaborative working as hazmat incidents usually require multiple organisations to bring them to a conclusion. [More info](#)

EXXONMOBIL OIL SPILL RESPONSE KNOWLEDGE TRANSFER WEBINAR 5

Webinar 5: December 7th 2021; Round-table discussion of stories during spills by Alan Allen, Ann Hayward Walker, Stephen Lehmann, and Ed Owens. Guest speakers in the last 4 webinars will share their personal experience and fun stories during oil spill responses; Learn how far the scientist and responders will go to find out the truth. The round-table will be moderated by Tim Nedwed.

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.

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.

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/>
- 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

TUNISIA: IMO OPRC LEVEL 2 TRAINING COURSE

THIS EVENT HAS BEEN POSTPONED – PLEASE NOTE UPDATED INFORMATION BELOW –

Please be informed that following the new sanitary measures COVID 19 and particularly the new entry conditions to Tunisia; published on 24 October 2021 and which will enter into force on 27 October 2021, the Training Course on IMO OPRC Level 2 initially scheduled to be held from 09 to 11 November 2021 at Averroes Iberostar hotel; has been postponed a week, from 16 to 18 November 2021 at the Russelior Hotel in South Hammamet-Tunisia.

To view the latest information please visit <https://spillcontrol.org/upcoming-events/>

PEMSEA – UPCOMING LEARNING OPPORTUNITIES

16 November 2021

Online Dialogue: Circular Economy Solutions to Reduce Plastic Waste and Marine Litter

The forum will bring together experiences and perspectives from Europe and East and Southeast Asia in terms of strategies, tools, mechanisms, and success stories in sustainable plastic production and consumption. The forum will be organized under the GIZ-EU project entitled “Rethinking Plastics – Circular Economy Solutions to Marine Litter,” which supports the transition of select countries in East and Southeast Asia to a circular plastic industry with the end goal of improving resource efficiency and reduced marine litter.

TRAINING COURSES (CONTINUED)

The project provides advisory services and pilot projects in close cooperation with regional, national, and local partners. Interested individuals should register [here](#) to join the event.

26 November 2021

Training Session On Pollution Assessment And Management (PAM)

The training will cover the concept, principles, and best practices in environmental risk assessment and management of chemical contaminants in water bodies from the standpoint of prospective, retrospective, and tiered approaches. The training will also provide an overview of frontier technologies in monitoring and assessment of marine pollution. Special focus will be placed on emerging chemicals of concern and their risk posed to the marine ecosystem and human health. Interested individuals should register [here](#) to join the event.

27 November 2021

A Symposium on Recent Advances in Marine Environmental Research

With the goal of paving the way for capacity-building and research collaboration in Asia-Pacific, this symposium will feature a series of talks on recent advances in pollution monitoring and control technologies, environmental risk assessment of emerging chemicals of concern, and ecological restoration through the eyes of leading experts from Hong Kong. Particular attention will be placed on toxins or man-made substances that pollute the ocean or affect its living biodiversity. Interested individuals should register [here](#) to join the event.

CERTIFICATE IN MARITIME ENVIRONMENTAL MANAGEMENT

From Lloyds Maritime Academy - Starts 27 January 2022 | 12 weeks | 100% online | Tutor-led

This all-encompassing 12-week course will cover all impacts of the maritime sector on environmental management, providing the essential tools you need to minimise your environmental footprint and maximise commercial effectiveness. [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 the opened “upcoming events” page.

Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed. Your Editor does his best to keep the listing up-to-date but it should not be assumed that listed events have not been cancelled or postponed. It is recommended that you check with event organisers before finalising your attendance plans.

Please advise the Editor if any of the entries require correction or updating. If you are holding an event you would like to be featured here, please send details to John.mcmurtrie@spillcontrol.org

Newly added events include – Online Seminar on Extreme Hot Weather Response, Environmental Analyst Global Business Summit, European Business & Nature Summit 2021, Lecture: Marine Oil Snow, and Other Complications of Organic Matter, Canada: international Oil Spill Science Conference.

MESSAGES FROM EVENT ORGANISERS

USA: THE CLEAN GULF CONFERENCE & EXHIBITION – NOV. 16-18, 2021

Still need to register for CLEAN GULF? If you have yet to register to attend the [CLEAN GULF Conference & Exhibition](#), now is the time! [Register](#) before you arrive at the Convention Center to save money and time. Rates for a conference pass increase by \$100 after 11/12/2021. For those already registered to attend, we look forward to seeing you at CLEAN GULF!

2021 EAST ASIAN SEAS CONGRESS UNVEILS LINE-UP OF ACTIVITIES FOR MAIN CONFERENCE

Preparations for the 2021 East Asian Seas (EAS) Congress are now in full swing as Partnerships in Environmental Management for the Seas of East Asia (PEMSEA), the Royal Government of Cambodia and the Ministry of Environment, Province of Preah Sihanouk, have unveiled the line-up of activities for this year’s highly anticipated event. The 2021 EAS Congress, the seventh in a series of triennial ocean conferences, will be held on December 1-2 virtually, and onsite in Sihanoukville, Cambodia. [Read more](#)

2022 INTERNATIONAL OIL SPILL SCIENCE CONFERENCE, HALIFAX, CANADA

On behalf of the Organizing Committee, we warmly welcome you to the International Oil Spill Science Conference 2022 (IOSSC) on March 21-25, 2022 in Halifax, Canada. The conference aims to provide a platform for professionals, scholars and students from the

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

oil spill response community, government, industry, and academia to work together to deal with the challenges in the field of oil spill response. The conference will bring experts from around the world to present their latest research in the field of oil spill science including spill prevention, contingency planning, and environmental rehabilitation.

Presenters/authors are invited to submit abstracts containing no more than 300 words through the conference website. The deadline to submit an abstract is January 7, 2022.

For more details, please visit our IOSSC 2022 conference website at <https://sites.events.concordia.ca/sites/mpri/en/international-oil-spill-science-conference-2022/>. The schedule and other event information will be updated on the website. If you have any questions, please do not hesitate to contact us at IOSSC2022@gmail.com.

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/> 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. (Look in "Links for other publications" for the current issue of this publication)

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.

INCIDENT REPORTS

SPAIN: BUNKER OIL SPILL AT LAS PALMAS

October 31 - Fuel leak occurred during bulk carrier FRATZIS STAR bunkering at Las Palmas anchorage on Oct 30, caused by faulty valve. About a ton of fuel leaked overboard. As of Oct 31, most of polluted water was collected, the ship remained anchored. Maritime Bulletin / [Read more](#)

CANADA: CLEANUP EFFORTS FOR ZIM KINGSTON CONTAINER SPILL GET UNDER WAY



Photo: CCG Container from Zim Kingston aground on Vancouver Island, Nov. 1 (CCG)

November 3 - Rough weather is hindering the removal of debris from the containers that washed ashore after boxship Zim Kingston spilled 109 boxes off the Strait of Juan de Fuca.

The Canadian Coast Guard announced that a massive cleanup to remove debris that washed ashore on Vancouver Island is underway, but efforts are being slowed by unfavorable weather conditions.

While the search for more containers continues, authorities have warned that two of the missing boxes hold dangerous goods. The Maritime Executive / [Read more](#)

MEXICO: LPG GAS PIPELINE EXPLOSION AND FIRE



November 2 – Report received from Carlos Sagrera, Carlos Sagrera, MSc., ISCO Representante América Latina

Here enclosed some Mexican news and photos and comments concerning this explosion in San Pablo Xochimehuacán (Municipality of Puebla) caused by an LPG gas leak coming from a clandestine outlet. According the local press, the fire broke out in the early hours of Sunday, October 31, and "...for the crimes of intentional homicide, intentional injuries and damage to the property of others, the Puebla Prosecutor's Office investigates the case of the explosion of the Petróleos Mexicanos (Pemex) pipeline caused by LP gas thieves that left one dead, 17 injured and 84 damaged houses, of which 45 are total loss, in the capital of Puebla. The intervention of the local authority in the investigations is independent of the lines of investigation carried out by the Attorney General's Office (FGR), since Pemex filed a complaint for the clandestine takeover involving the Hidro Gas company, due to the fact that the 10,000-liter pipe that was found at the site bore the logo of that firm." "Huachicol" is the Mexican name for the theft or milking of gas and oil pipelines. It is an endemic disease and although officially, government authorities indicate that the figures have dropped, in the first 7 months of 2021 (January-July) there were 6125 pipeline intakes in the 17,000 km of pipelines that PEMEX has (29,17 robberies per day) and of them 1,185 were only in the State of Puebla, which is equivalent to an increase of 15.7% with relation to the same period of the previous year. This is added to the maintenance problems of the pipelines that are increasingly aggravated by the fact that most of the network has reached 30 years of useful life, which implies necessary investments for PEMEX. If not materialized, the incidents will continue and will worsen in Mexico, also considering that the current rise in the price of a barrel of oil encourages clandestine intakes.

<https://www.milenio.com/policia/puebla-explota-toma-clandestina-gas-lp-xochimehuacan>

<https://www.pressreader.com/mexico/el-universal/20211102/281479279637847>

<https://www.laprensagrafica.com/internacional/Video--Un-muerto-y-15-heridos-por-la-explasion-de-un-gasoducto-de-Pemex-en-Mexico-20211031-0031.html>

<https://politica.expansion.mx/estados/2021/10/31/fuerte-explasion-en-puebla-por-probable-toma-clandestina-de-gas>

<https://www.eluniversalpuebla.com.mx/estado/alerta-estos-son-los-gasoductos-que-atravesan-el-estado-de-puebla>

https://politica.expansion.mx/estados/2021/11/01/fiscalia-de-puebla-investiga-homicidio-doloso-por-explasion?utm_source=push_notification

<https://www.economista.com.mx/politica/Huachicol-deja-quebranto-por-mas-de-1622-mdp-20210914-0006.html>

SIERRA LEONE: SCORES DEAD AFTER FREETOWN OIL TANKER COLLISION

November 6 - At least 98 people have died after a massive explosion when a fuel tanker collided with a lorry in Sierra Leone's capital, Freetown. Fuel spilled before igniting and the resulting inferno engulfed bystanders and vehicles at a busy junction. Footage broadcast by local media outlets showed badly charred bodies in the streets surrounding the tanker.

After visiting the scene, Vice-President Mohamed Juldeh Jalloh said it was a "national disaster". He said that the injured would receive free medical treatment. Some 92 people are being treated in hospitals and health centres around Freetown, some of which are said to be overwhelmed.

The drivers, noticing a leak, exited their the vehicles and warned people to stay away. The explosion occurred when people tried to collect the fuel, the NDMA said. BBC News / [Read more](#)

From time to time your editor may publish reports or articles that are of interest but might be regarded as controversial. Readers are reminded that views expressed in some reports and articles published in the ISCO Newsletter or on the ISCO website should not be assumed to represent the views of the organization.

TEN GOOD REASONS WHY YOU SHOULD BE A MEMBER OF ISCO

Even when budgets are tight, you can fully justify the cost of ISCO membership

1. **INDUSTRY RECOGNITION** - Be recognised as a member of a worldwide community of professionals who share a common interest.
2. **EXPOSURE ON ISCO DIRECTORY** - Corporate Members enjoy FREE Listing in ISCO's International Directory of Spill Response Contractors, Equipment Suppliers, Training Providers, and Consultancy Services. All your information displayed and one click access to your website. It's a great search facility for potential customers.
3. **RECEIVE REQUESTS FOR EMERGENCY PROVISION** - Corporate Members receive requests for emergency provision of resources for spill response support. The Emergency Assistance facility is there for government agencies, oil companies and response organizations - not only for rapid sourcing of additional resources in large spill events, it can be used to help find specialised equipment not often available in response inventories, people with specialised experience and know-how, etc. Contractors can use the facility to supplement their own internally available resources.
4. **ISCO INITIATIVES - CONTRACTUAL ARRANGEMENTS, ETC** - Benefit from ISCO initiatives that are of practical value to Members – for example, the free and widely used RESPONSECON contracts that you can use - speeding up contractual arrangements for mobilisation of spill response resources, with positive implications for protecting your cash flow.
5. **PR, PUBLICITY AND ANNOUNCING NEW PRODUCTS AND SERVICES** - Free publicity – News from ISCO Members - Announce your new products and services developments in the weekly ISCO Newsletter – reaching out to a highly targeted customer audience in over 50 countries. Corporate Members of ISCO can submit news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter. It's a cost-effective way to promote your company. Disseminating news about new technical developments is of value to our community. Corporate Members are invited to contribute articles.
6. **EXHIBITIONS AND CONFERENCES** - Benefit from negotiated discounts in attending conferences and exhibitions – the savings can significantly offset the cost of maintaining your membership.

Promoting ISCO and your company on your exhibition booth.

While collecting ISCO Membership Placards at the end of the IOSC exhibition (for later re-issue at other events) a member exclaimed “Oh no, we would like to keep it and put it on our booth at other shows”. Displaying the ISCO Membership Placard on your booth indicates your support of an organization dedicated to improving worldwide co-operation and preparedness.

7. **ENHANCE RESPONSE KNOWLEDGE OF YOUR STAFF** - To enhance response knowledge of your staff - Freely downloadable technical articles, response guidelines and loads of other useful reference information available in the Members' Area of the ISCO website.
 8. **CURATED NEWS ON ISCO NEWSLETTER** - The ISCO Newsletter keeps you up-to-date on events, developing technologies, new legislation and other matters of mutual interest. This will save many hours a week of scanning, browsing and searching for all the news that matters and puts it in your inbox every week.
 9. **OPPORTUNITY FOR LOBBYING FOR LEGISLATIVE CHANGE** - Through ISCO, Members have a voice in the drafting of new legislation that will affect their areas of interest. We introduce new initiatives at IMO and give our support to other delegates advancing developments that will be of benefit for improvement of response effectiveness.
- ISCO provides an interface with National and International Government Agencies, Industry, the Scientific Community, R&D Establishments and Academia, actively supporting new developments that will be of benefit to our Members.
10. **USE OF ISCO LOGO IN PROMOTIONAL MATERIAL** - Members have the right to display the ISCO logo on their headed notepaper, brochures, business cards, etc. to denote that they are part of an international organisation dedicated to improving worldwide co-operation and preparedness.

For more information visit www.spillcontrol.org

Apply for Membership of ISCO at <https://spillcontrol.org/membership-application-form/>

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