

ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency, and to providing a focus for making the knowledge and experience of spill control professionals available to Intergovernmental, Governmental, NGO's and interested groups and individuals

ISCO holds consultative status at the International Maritime Organisation and observer Status at International Oil Pollution Compensation Funds

ISCO COMMITTEE & COUNCIL
ISCO is managed by an EXECUTIVE

Directors

- Mr David Usher, President (USA)
- Mr Neil Marson, Secretary General (UK)
- Mr John McMurtrie, VP and Editor (UK)
- Ms Mary Ann Dalglish, VP M'ship (USA)

Committee Members

- M. Jean Claude Sainlos (France)
- Mr Kerem Kemerli (Turkey)
- Mr Marc Shaye (USA)
- Mr Dan Sheehan (USA)
- Captain Bill Boyle (UK)
- Lord Rickaby (UK)
- Mr Matthew Sommerville (UK)

COUNCIL (National Representatives)

- Mr John Wardrop (Australia)
- Mr Elkhan Mamedov (Azerbaijan)
- Dr Merv Fingas (Canada)
- Captain D. C. Sekhar (India)
- Major Ben Benny (Israel)
- Mr Sanjay Gandhi (Kenya)
- Mr Dennis van der Veen (Netherlands)
- Chief Kola Agboke (Nigeria)
- Mr Carlos Sagrera (Panama)
- Mrs Fatima B. Shaik (South Africa)
- Dr Ali Saeed Al Ameri (UAE)
- Dr Timothy Gunter (USA)

SECRETARIAT (Core Management Team)

- Mr Neil Marson (UK)
- Mr John McMurtrie (UK)
- Ms Mary Ann Dalglish (USA)
- Captain Bill Boyle (UK)
- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

INTERNATIONAL NEWS

CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



PERU DECLARES NATIONAL EMERGENCY FOLLOWING 6,000 BBL OIL SPILL



Fuente: OEFA

La República

January 21 – Member of ISCO Council for Panama, Carlos Sagrera, writes “I think you can gauge that it is perhaps the most important maritime-coastal spill in recent decades in Peru and I say also in Latin America”. The incident is the subject of much controversy and very extensive reporting. See multiple reports and photographs on Pages 13-14.

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

MEMBERSHIP OF ISCO

[Benefits of Membership](#)

[Online Membership Application Form](#)

YOU ARE INVITED TO JOIN THE ISCO DISCUSSION GROUP ON LINKED-IN



Click on the link below –

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



AND ISCO'S FACEBOOK GROUP

Click on the link -

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

WHATSAPP GROUP FOR STUDENTS, TRAINEES & APPRENTICES

Here is the link for joining this group –

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

ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION

Professional recognition is a visible mark of quality, competence and commitment, and can give you a significant advantage in today's competitive environment.

All who have the relevant qualifications and the required level of experience can apply for Professional Membership of ISCO.

The organization offers independent validation and integrity. Each grade of membership reflects an individual's professional training, experience and qualifications. You can apply for MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO)

[About Professional Membership](#)

[Professional Membership Application Form](#)

INTERNATIONAL NEWS (CONTINUED)

SECRETARY-GENERAL OF IMO WELCOMES NEW IOPC FUNDS DIRECTOR



January 19 - This week the new IOPC Funds Director, Mr Gaute Sivertsen, had his first meeting with International Maritime Organization (IMO) Secretary-General, Mr Kitack Lim, who congratulated Mr Sivertsen on his appointment and welcomed him to the IMO building, where the IOPC Funds offices are housed. IOPC Funds / [Read more](#)

ISCO NEWS

JANUARY 2022 ZOOM MEETING OF MEMBERS IS THIS WEEK

The next monthly meeting will be on Thursday 27th January 2022 at 3 pm EST. That's 8 pm GMT.

The link for joining the meeting is <https://us02web.zoom.us/j/89309953413>
Meeting ID: 893 0995 3413

ISCO OFFERS A FREE MEMBERSHIP FOR STUDENTS, TRAINEES AND APPRENTICES

Learn more about Student Membership at <https://spillcontrol.org/student-membership/>

ONLINE MEETINGS WITH STUDENT MEMBERS

These are online meetings where each student presents for about 15 to 20 min. We will learn about each student's area of work and how this stream of science adds value

FASTANK® The World's Leading Portable Containment Tanks

FASTANK 1/3/5

Successfully serving our industry and environment for 40+ years

www.fastank.com
info@fastank.com

Vikoma Skimmers /Selwood pumps

Vikoma and Selwood are recognized worldwide in the spill response industry.

25 AÑOS
VARICHEM DE COLOMBIA S.P.A. S.A.S.

Click here to contact us for more information >>>

INTERNATIONAL NEWS

**YOU CAN PLACE AN
ADVERTISEMENT
HERE**

For information contact
Mike Watson at
spillcontrol@mwadigital.com

to domain of oil spill response / plastic pollution knowledge. Another ten minutes will be available for Q & A”.

NEW DATE ANNOUNCED FOR NEXT STUDENT MEMBER PRESENTATION

The scheduled date for the next Student Presentation has been changed.

The next presentation will be given at 2 pm GMT on Thursday 3rd February by Larissa Montas, Department of Chemical, Environmental and Materials Engineering University of Miami. The title of her presentation is “Use of a 3-D Fate and Transport Model to estimate “Age-at-Sea” and PAH Depletion of Weathered Oil Slicks”.

Larissa’s profile and a summary of her forthcoming presentation can be found on Page 2 of Issue 820 of the ISCO Newsletter.

The Zoom Meeting joining link for Larissa’s presentation is

<https://miami.zoom.us/j/97322175325?pwd=NUU2ZFpsQVMrRS81WnlwS0NjdGM5QT09>

Meeting ID: 973 2217 5325

Passcode: 167653

One tap mobile +16465588656,,97322175325#,,,,*167653# US (New York)

Dial by your location +1 646 558 8656 US (New York)

Find your local number: <https://miami.zoom.us/j/97322175325?pwd=NUU2ZFpsQVMrRS81WnlwS0NjdGM5QT09>

For more info about joining these meetings please contact balogunkayodepeter@yahoo.com or captcdsekhar@gmail.com

MORE INTERNATIONAL AND REGIONAL NEWS

IPIECA 2021 IMPACTS

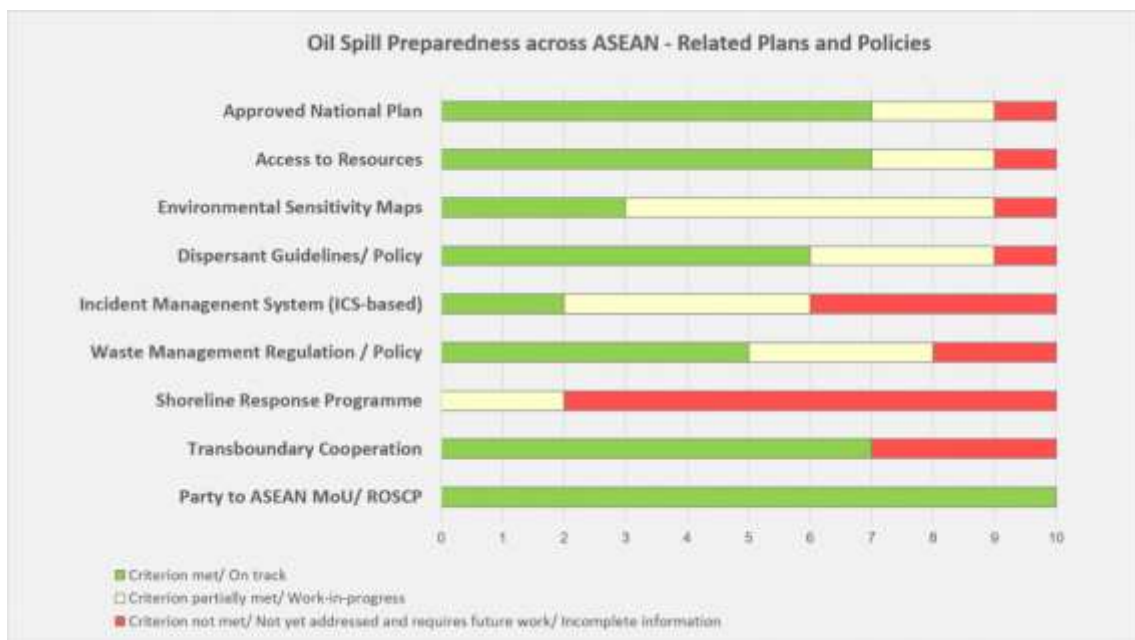
Throughout 2021 IPIECA provided leadership across oil, gas and renewables on mainstreaming sustainability by advancing climate action, environmental responsibility and social performance. We worked with our members to produce and share good practice and knowledge across the industry and beyond, as well as contribute to UN multilateral initiatives and the global events calendar.

In 2021, IPIECA:

- Published 19 good practice guidance documents
- Produced over 30 webinars
- Participated in over 30 international conferences and events, including 7 UN events
- Hosted 10 virtual workshops, bringing together the industry and UN, NGO civil society and academia
- Continued to expand its global membership to 74 companies

[Read more about the key work IPIECA completed in 2021.](#)

ASEAN COUNTRIES: OIL SPILL PREPAREDNESS STATUS



More info can be found at <https://www.gisea.org/#regional-information>

CANADA: THE CANADIAN COAST GUARD AT 60

The Canadian Coast Guard is turning 60. This milestone is an opportunity to celebrate our past contributions to Canada and the important work we do each day from coast to coast to coast.

Visit us here throughout 2022 to learn about our history and how we're shaping our future as a modern organization committed to helping Canadians. Canadian Coast Guard / [Read more](#)

ECUADOR ANNOUNCES CREATION OF HERMANDAD MARINE RESERVE OFF GALAPAGOS

January 14 - "Ecuador is proud to announce the creation of the Hermandad Marine Reserve in the coming days," the country's president wrote in an opinion piece shared with Mongabay.

His country had initially announced the expansion of the marine reserve encircling the Galápagos Islands in November at the COP26 climate summit in Glasgow, Scotland.

The following day, the presidents of Panama, Colombia, and Costa Rica also joined him to announce that their countries intended to create a large marine corridor between the four nations by extending and joining their current marine protected areas.

The GEF / [Read more](#)

FINLAND: NEW RESEARCH SHOWS AREAS WHERE OFFSHORE WIND POWER CAN BE BUILT WITHOUT MAJOR DAMAGE TO MARINE NATURE

January 21 - Areas suitable for offshore wind power have been mapped in a new study. In the best areas, the production of wind energy is profitable, but the disadvantages for both people and marine nature remain small. Suitable areas were found in all marine areas.

Finland is committed to being carbon neutral by 2035. This objective requires the addition of sustainable forms of energy, including wind power. Setting up large wind power parks on land is a challenge, so businesses are currently looking out to sea. Finland is also committed to safeguarding biodiversity and offshore wind farms may contradict this goal.

Areas best suited for offshore wind power have been identified in an extensive study involving researchers from six Finnish organisations. The study identified marine areas where wind power can be built profitably and without major harm to other industries, humans, or marine nature. SYKE / [Read more](#)

INDONESIA: FOCUS GROUP DISCUSSION - PROTECTION OF THE MARINE ENVIRONMENT

January - The event, held remotely on 16 Nov 2021, was structured to address policy, economic and technological perspectives on the protection of the marine environment, both internationally and in the national context.

It was attended by participants from across a spectrum of ministries and agencies with responsibilities to manage marine pollution. At the invite of the Directorate General of Sea Transportation (DGST), GISEA presented on the application of technology in the implementation of international maritime legislation, framed by past, current and emerging issues and subjects of interest.

Advances in oil spill preparedness and response in the wake of the Macondo well control incident were also highlighted. Central to the the discussion is the role of technology as an enabler and accelerator for change. GISEA / [Read more](#)

ITALY: MEMORANDUM OF UNDERSTANDING SIGNED BETWEEN ISPRA AND THE ENVIRONMENTAL FORENSIC CHAMBER



January 19 - The President of ISPRA Prefect Stefano Laporta and the President of the Environmental Forensic Chamber (CFA) Avv. Cinzia Pasquale have signed a three-year memorandum of understanding to promote collaboration between the two institutions on environmental protection.

In particular, the lines of collaboration will concern the promotion of advanced training and legal updating projects in the environmental field; technical-scientific and cultural dissemination; technical-scientific training activities on territorial governance; joint activities on the issues of the "green economy", the "blue economy", the circular economy, with municipal administrations and local stakeholders. ISPRA / [Read more](#)

MAURITIUS: PHOTOS: SALVAGE OF WAKASHIO WRECK COMPLETED



Photo: Wakashio salvage completed in Mauritius Chinese barge crane Hong Bang 6 conducted the salvage (bMC Group)

January 20 - Eighteen months after the Japanese-owned bulk carrier Wakashio went ashore on the reef at Mauritius, the salvage team completed its work last weekend. According to reports from the site, all the debris has now been collected and moved to shore for recycling.

The effort to remove the stern section of the wreck had begun in the fall of 2020, with the government of Mauritius demanding that it be completed as quickly as possible. After the 984-foot bulk carrier grounded on the reef off Point d'Esny, the vessel fractured and

ultimately split in two. The forward section that contained most of the cargo holds remained afloat and was towed out to sea and sunk leaving the stern section with the accommodations block, bridge, and engine room on the reef.

The salvage team reports that it was a challenging assignment because of the exposed position of the wreck. In addition to having to deal with shallow water in the area, they also were exposed to weather and high surf conditions. The project had to be suspended due to weather conditions and stretched across two seasons. The Maritime Executive / [Read more](#)

PHILIPPINES: HOW RECYCLERS ARE HELPING WIN THE WAR AGAINST PLASTIC WASTE

January 20 - Though humanity's ability to produce waste still outstrips its ability to manage it, Pinoy waste pickers and junkshops are helping turn the tide in their own way. Partnerships in Environmental Management for the Seas of East Asia (PEMSEA), a regional organization which pushes for integrated solutions to coastal and marine problems, including marine plastic pollution, talks with three of them.

"The best time to hunt for scrap is right after homeowners leave their garbage out, but before government collection trucks arrive, usually between 10PM to 7AM. The sooner you can pick through garbage for good finds, the better," shares Sherwin Salazar , a 38-year old mangangalakal or waste picker". [Continue reading this fascinating article from PEMSEA](#)

UK COASTGUARD CELEBRATES 200 YEARS OF SERVICE

Photo: Modern day Coastguard at work

January 17 - From its beginnings with coastal lookouts to today's hi-tech national network of coordination centres, from small localised beginnings to international players – one thing has stayed the same for two centuries – Her Majesty's Coastguard seeks to search, to rescue and to save.

Two hundred years of saving lives along the UK coast and at sea, as well as coordinating rescues for those in distress in international waters, is being marked this year as HM Coastguard celebrates its milestone anniversary.

It was on 15 January 1822, that HM Coastguard was formally brought



into existence and has been working to keep people safe at the coast and sea ever since. IIMS / [Read more](#)

USA: INTERIOR DEPARTMENT, FEDERAL PARTNERS ANNOUNCE INTERAGENCY EFFORT TO CLEAN UP LEGACY POLLUTION, IMPLEMENT INFRASTRUCTURE LAW

January 19 - The Department of the Interior announced an interagency initiative today to implement a new federal program for addressing orphaned wells, a key initiative of the Bipartisan Infrastructure Law. The law includes \$4.7 billion for orphaned well site plugging, remediation, and restoration activities.

A new Memorandum of Understanding (MOU), signed by the Departments of the Interior, Agriculture, and Energy, the Environmental Protection Agency, and the Interstate Oil and Gas Compact Commission, establishes a framework to implement the orphaned well program and commits the signing parties to leverage their capabilities, resources, and expertise in support of the initiative. Mirage News / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

January 20 – Please click on the links below to download and read the latest news reports from NOAA OR&R.

[Settlement Finalized for Restoration at Metal Bank Superfund Site in Pennsylvania](#)

On November 4, 2021 a settlement was finalized to resolve the liability of a dozen public utility companies for injuries to natural resources stemming from hazardous waste pollution at the [Metal Bank Superfund site on the Delaware River in Philadelphia, Pennsylvania](#).

[\\$15.3 M Settlement Finalized for the Texas City Y Oil Spill Case in Galveston Bay, Texas](#)

On January 18, 2022, a \$15.3 million settlement was finalized in Federal District Court to restore natural resources damaged from the 2014 [Texas City Y oil spill](#) in Galveston Bay, Texas.

[FY 2022 Lagniappe Awards Selected](#)

The Disaster Preparedness Program (DPP) has selected nine projects submitted by the National Ocean Service (NOS) programs for funding as part of the “Lagniappe Awards.”

PEOPLE IN THE NEWS

USA: TRI-STATE OIL PROGRAMS HAS A NEW DIRECTOR



We are excited to announce that we have a new Oil Programs Director, Mandy Fischer. Mandy is coming to us from the Delaware Animal Response (DAR) program, where she has been the Program Coordinator for the past year, responsible for statewide planning and disaster response relating to companion animals during catastrophes in Delaware. DAR is a part of the Office of Animal Welfare, and Mandy has worked with the Delaware Emergency Management Agency, the state Office of Preparedness, Office of Animal Welfare Animal Services Officers, first responders, pet sheltering groups, and a team of volunteers to ensure preparedness to assist the pet families of Delaware during disasters (manmade or natural).

She also has extensive background in wildlife and exotic animal husbandry. Prior to taking on the DAR program, she worked for over 22 years as an animal husbandry professional in facilities accredited by the Association of Zoos and Aquariums (AZA). She has wide-ranging experience in the care and management of numerous taxa from mammals to reptiles, and she has served on numerous AZA advisory committees as an elected member and managed many projects relating to animal welfare, behavior management, husbandry, and conservation of wildlife. https://tristatebird.org/wp-content/uploads/2022/01/Oiled-Wildlife-Log_Volume-5-1.pdf

FRANCE: CHRISTOPHE LOGETTE APPOINTED AS NEW DIRECTOR OF CEDRE



In the picture: Stéphane Doll, Christophe Logette and François Cuillandre at Cedre. | WEST-FRANCE

January 20 - Christophe Logette is the new director of Cedre, the centre for documentation, research and experimentation on accidental water pollution. He succeeds Stéphane Doll who held this position for six years in Brest (Finistère).

The new director of Cedre Christophe Logette, was welcomed today by François Cuillandre president of Cedre who welcomed him and thanked Stéphane Doll for the work done.

<https://www.ouest-france.fr/bretagne/brest-29200/brest-christophe-logette-nouveau-directeur-du-cedre-de41ae80-7917-11ec-90c1-203364d92360>

NEWS FROM ISCO MEMBERS

OSRL – 2022 TRAINING CALENDAR RELEASED, EARLY BIRD DISCOUNT AND SOME UPCOMING COURSES [Download 2022 Calendar](#)

Book your 2022 training early and receive a 5% discount. Choose from face-to-face, remote or blending learning options.

[Oil Spill Clearance - On-Scene Commander \(IMO Level 2 Equivalent\)](#) 25 - 29 March 2022 / 5 Days

[Shoreline Oil Spill Response and SCAT](#) 27 - 29 June 2022 / 3 Days

[Oil Spill Response Management \(IMO Level 3 Equivalent\)](#) 21 - 24 March 2022 / 3 Days

[Remote OSRL Masterclass](#) 13 - 16 June 2022 / 4 Days

[Remote Shoreline Response Essentials: Oil and Non-oil Pollutants](#) 15 March 2022 / 1 Day

[UKCS Responder Refresher \(OPEP Levels 3 & 4\)](#) 5 April / 1 Day

[Remote UKCS Responder Refresher](#) 23 - 24 February 2022 / 9 hours

LAMOR: IMPROVING RESPONSE CAPABILITIES THROUGH DRILLS AND EXERCISES IN THE RED SEA REGION

January 13 - Lamor is currently delivering a 3-year agreement for the National Center for Environmental Compliance (NCEC) in Saudi Arabia to strengthen the Oil Spill Response capabilities in the Red Sea Area. [More info](#)

LAMOR: IMPROVES CUSTOMER SERVICE LEVEL IN NORWAY

January 17 - Lamor Corporation increased its efforts to serve customers in Norway by establishing a Norwegian office in January 2022. The local Lamor office is located in Straume, Bergen area, west coast of Norway. [More info](#)

ANNOUNCEMENT

ANNOUNCEMENT RECEIVED FROM DUBAI POLICE

At the request of the The Dubai Police Marine Pollution Control Centre (MPCC) we are printing the following announcement –

"Dubai widely known as a hub for maritime shipping and logistics in which it is ranked first among all other Arab destinations, having an average of 20,000 number of vessels calling to Dubai Ports annually. The Dubai Police Marine Pollution Control Centre (MPCC) was established with the objective to response to an oil spill and will take action in case of oil spill incident in the offshore, inshore and inland waterways and to protect vital installations of the emirate of Dubai.

It has the capabilities and experience in the field of oil spill response, having a highly skilled and experienced personnel with modern well-maintained equipments along with structured facilities and response procedures. It's quality systems ensures high standards of preparedness, and response delivery. It owned three oil spill response vessels for containment and recovery and dispersant spraying operations and a stockpile of OSR equipments for Tier 1 and 2 responses, stored at a central location in Dubai, while the Dubai Police Airwing will provide aerial surveillance to confirm and locate the oil spill and likewise use drones for immediate deployment and improve response decision-making where there is a risk to human life and it is too dangerous for a helicopter to monitor.

Aside from Oil Spill Response, Dubai Police – MPCC has been Accredited by the United Arab Emirates Ministry of Energy & Infrastructure to conduct Oil Spill Response Trainings & Exercises to Government & Private stakeholders, volunteers, local coastal communities, hotel owners, sea professionals and students within the Emirate. It is the first Police Force organization in the Middle East that provides a fully trained, competent Oil Spill Response Team & operational Oil Spill Response Equipments, applied innovation processes, cost effective and cost efficient government organization, certified ISO 9001(Quality) and ISO 14001(Environment) standards compliant." For more info, please contact V.CURSO@dubaipolice.gov.ae

TRAINING COURSES

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 [2022 calendar](#).
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)

TRAINING COURSES (CONTINUED)

- **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

UPCOMING EVENTS

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](#)

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

To see ALL of the posted events you will need to click on “LOAD MORE” at the foot of each opened “upcoming events” page. Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed. Your Editor does his best to keep the listing up-to-date but it should not be assumed that listed events have not been cancelled or postponed. It is recommended that you check with event organisers before finalising your attendance plans.

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

UPCOMING WEBINARS

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

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

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

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

FEBRUARY 1 – ExxonMobil Oil Spill Response Knowledge Transfer Webinar 6

EM OSR Knowledge Transfer Webinar will be resumed on Feb. 1st, 2022. Our guest speaker is Dr. Christopher Reddy, and he will share his knowledge / experiences and lessons learned on oil spill response from his perspective.

Dr. Chris Reddy is a senior scientist at Woods Hole Oceanographic Institution and studies marine pollution, petroleum geochemistry, and develops natural products for the cosmetics industry. When the Deepwater Horizon disaster occurred in 2010, Reddy pivoted to focus much of his research on this iconic spill. He spent nearly a decade tracing nature’s response to the thousands of chemical compounds released with the spill to determine what biodegraded or evaporated, and what is still present in the Gulf of Mexico. Reddy has extensive experience communicating science to the media, policy makers, and the public. He has written nearly twenty opinion pieces, testified before Congress and Senate five times, and given hundreds of interviews. In 2014 he was honored with the prestigious and international C.C. Patterson Award for leading an innovative breakthrough of fundamental significance in environmental geochemistry, particularly in service to society. More recently, he was honored as a 2018 Fellow in the American Geophysical Union and bestowed with their Ambassador Award.

The ExxonMobil Oil Spill Response Knowledge Transfer Webinar series is a monthly webinar to allow highly experienced OSR experts to communicate their knowledge to attendees. The webinar series will be held every first Tuesday of the month. 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

FEBRUARY 9 - WEBINAR ON POINTS TO CONSIDER IN THE SELECTION OF OIL SPILL BOOMS - 10:00 AM (CET) More info at <https://spillcontrol.org/upcoming-webinars/>

MESSAGES FROM EVENT ORGANISERS

USA: CLEAN WATERWAYS - APRIL 5-7, PITTSBURGH, PA

Full Conference Agenda Now Available for CLEAN WATERWAYS 2022. We are excited to announce that the [official conference agenda](#), with speakers, is now available for CLEAN WATERWAYS 2022! The conference sessions we have planned are led by experts

MESSAGES FROM EVENT ORGANISERS (CONTINUED)

in both industry and government and focus on topics specific to fresh water spills and environmental considerations.

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

USA: CLEAN PACIFIC - ANNOUNCING 2022 DATES + CALL FOR PRESENTATIONS

We are pleased to announce that the 2022 CLEAN PACIFIC Conference will be held August 23-24 on Lake Washington outside of Seattle, WA. Registration and exhibit space/sponsorship sales will open next month so be on the lookout for those important announcements!

CLEAN PACIFIC brings together the tight-knit response community in the Western United States and Canada to address spill prevention, response and remediation matters pertinent to that region's environmental sensitivities. The goal of CLEAN PACIFIC is to deliver a valuable event that covers region-specific issues that face the Western United States and Canada and offer ample time for attendees to network and cultivate the relationships that are crucial before, during, or after a response.

We are now accepting abstracts to be reviewed by our committee of experts in spill prevention and response at the upcoming CLEAN PACIFIC 2022 planning meeting. Prospective speakers are invited to [submit](#) a 200–300-word abstract(s) [online](#) for consideration **by Friday, February 11th**. All abstracts are reviewed for content and relevance by the planning committee and are selected by consensus. <https://www.cleanpacific.org/>

EUROPE: BRING EUROPEAN MARITIME DAY TO YOUR COUNTRY IN 2022 - DEADLINE FOR THE SUBMISSION OF YOUR EVENTS: 31 JANUARY 2022

EMD 2022, the annual EU meeting point on maritime affairs and sustainable blue growth, and the place where 'Ocean Leaders Meet', will take place in Ravenna, Italy on 19 & 20 May 2022. As every year, this will not be the only action to celebrate our seas and oceans. EMD In My Country 2022 events will also take place all over Europe from 1 April till 31 October 2022. EMD / [Read more](#)

CONTRIBUTED ARTICLE

A DOZEN WAYS NOAA ADVANCED MARINE POLLUTION SCIENCE IN 2021- PART 2

An article by Megan Ewald, Office of Response and Restoration

To answer the question "How does pollution impact the ocean and what can we do about it?" NOAA experts often need to conduct research that advances our knowledge of marine pollution science.

Each year NOAA Office of Response and Restoration (OR&R) scientists collaborate with leading experts on topics like marine debris, environmental economics, endangered species, environmental chemistry, and many other subjects that intersect with pollution science.

All of these studies have different goals, but all advance OR&R's ability to respond to, assess the impacts of, and restore the environment after oil spills and hazardous waste and marine debris pollution.

This blog highlights 12 scientific articles about research advancing pollution response and assessment published in Fiscal Year 2021.

7. Mitigating Waste During Scientific Conferences

"Walking the talk: The responsibility of the scientific community for mitigating conference-generated waste" highlights waste reduction efforts that took place at the Sixth International Marine Debris Conference in 2018.

Scientific conferences generate opportunities for waste through food and beverage services, giveaways, marketing and registration materials, poster and trade exhibits, attendee travel, lodging services, and local transportation.

Zero waste measures instituted at the Sixth International Marine Debris Conference resulted in the avoidance of 76,300 single-use items. This publication calls on scientists to "walk the talk" and plan events that reduce waste.



in

8. Cleaning Field Equipment for Sound Science

"Assessment of Hydrocarbon Carryover Potential for Six Field Cleaning Protocols" is a NOAA Technical Memo establishing guidelines for cleaning equipment to reduce cross-contamination of oil samples.

After the 2010 Deepwater Horizon oil spill in the Gulf of Mexico, field teams collected tens of thousands of samples to analyze oil as part of a natural resource damage assessment. Some published guidelines recommend using organic solvents in the cleaning routine, but carrying these liquids in the field raises health, safety, and environmental issues.

In this publication, researchers analyzed several cleaning techniques to compare their efficacy and recommend best-practices for cleaning field equipment during oil spill response.

9. Reviewing How Pollution Impacts Marine Life

“[Effects of pollution on marine organisms](#)” is a literature review of studies examining the wide range of impacts human-caused pollution inflicts on marine life.



This review, the latest of dozens of past annual reviews conducted by Office of Response and Restoration, comments on 212 selected articles on subjects ranging from laboratory toxicity testing to field surveys, as well as observations on polluting activities around the world.

Specific topics include effects of physical disturbances, oil spills, wastewater discharges, marine debris, artificial night lighting, noise, dredging and dumping, and field survey methods. This literature review helps to synthesize best-available information about pollution and ocean life.

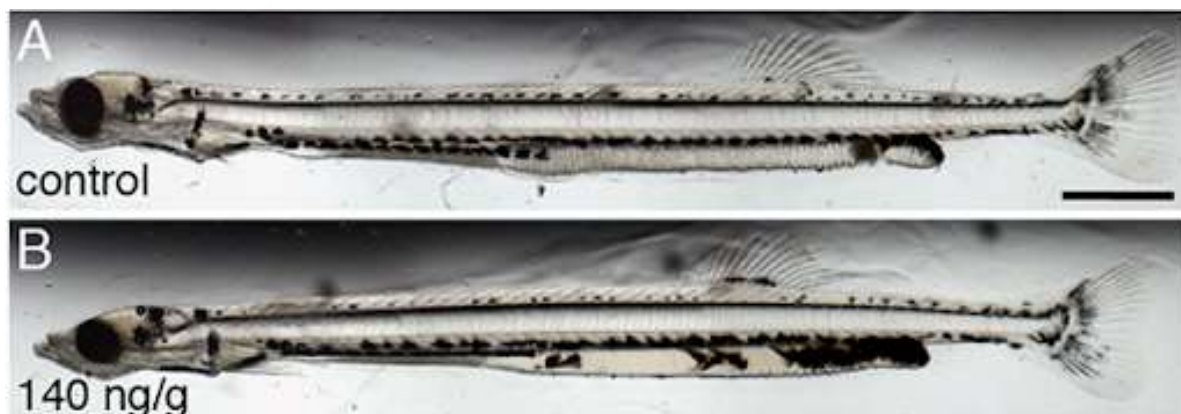
10. Developing a Model for PCB Pollution and Bottom-Dwellers



“[Acute PCB Benthic Invertebrate Toxicity Testing to Support the 2017 Chronic Dose-Response Sediment Injury Model](#)” generates a dose-response model to help scientists understand how PCB-contaminated sediments impact invertebrates that live on the bottom of marine habitats.

Building off a study published in 2017, researchers generated a continuum of benthic chronic injury-dose response for PCB contaminated sediments. In this study the authors determine that the chronic values found in the original model look-up table provides a close approximation to sediment PCB toxicity. This research aims to advance scientific methods that support assessment work at pollution sites across the country.

11. Studying How Oil Impacts Fish Heart Development



“[Low-level embryonic crude oil exposure disrupts ventricular ballooning and subsequent trabeculation in Pacific herring](#)” examines the mechanisms behind how low-levels of oil exposure impact the development of embryonic Pacific herring.

Researchers studied the mechanisms behind heart, or cardiovascular, development issues in Pacific herring that were exposed to low-doses of oil during embryonic development. They found that oil exposure leads to specific developmental changes, driven by dysregulation of calcium cycling between cells, which are precursors to long-term cardiac problems and overall reduced health. Researchers also identified specific genes whose expression changes in response to oil exposure. This advances our ability to use altered gene expression as a diagnostic marker of oil exposure and injury in fish.

12. Using Citizen Science to Keep Beaches Clean



Photo: A shoreline survey team on Chincoteague Island, Virginia, records a plastic lid on their transect survey datasheet. Image credit: NOAA.

“[Temporal Trends and Potential Drivers of Stranded Marine Debris on Beaches Within Two US National Marine Sanctuaries Using Citizen Science Data](#)” used the results of citizen science monitoring surveys of items stranded on shorelines within the Greater Farallones and Olympic Coast National Marine Sanctuaries to estimate marine debris abundance and temporal trends, and identify drivers of debris loads.

Researchers demonstrated that changes in debris counts and composition reflect seasonal

patterns of coastal upwelling and downwelling, but longer temporal trends in overall debris loads depend on the sampling window. However, researchers found that the observational data provided by the citizen science monitoring surveys makes it difficult to identify the causes of stranded debris. Researchers also discovered that there is a need to standardize the number of participants and their search pattern for debris in shoreline monitoring efforts. This shoreline marine debris data can be used to evaluate the impact of management decisions and identify new targets for mitigation.

This article was reprinted here with kind permission and thanks to NOAA OR&R.

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/td012022.htm> 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.

NEW PUBLICATIONS

USA: TRI-STATE OILED WILDLIFE RESPONSE – NEW ISSUE OF OILED WILDLIFE LOG

In this issue Wheels for Wings, Responses with Paraprofessional Partners, New Hire: Oil Programs Director.

https://tristatebird.org/wp-content/uploads/2022/01/Oiled-Wildlife-Log_Volume-5-1.pdf

NEW ISSUE OF “THE MARINE INSURER”

The Marine Insurer is a quarterly journal launched in 2019. The latest January 2022 edition, Issue 8 – “Sustainability is top of the agenda as we head into 2022”. <https://marineinsurer.co.uk/the-marine-insurer/>

USA: INTERAGENCY COORDINATING COMMITTEE ON OIL POLLUTION RESEARCH (ICCOPR) - OIL POLLUTION RESEARCH AND TECHNOLOGY PLAN.



Fiscal Years 2022-2027.

This Oil Pollution Research and Technology Plan (OPRTP) presents the collective opinion of the 16 departments and agencies that constitute the members of Interagency Coordinating Committee on Oil Pollution Research (ICCOPR), regarding the status and current focus of the federal oil pollution research, development, and demonstration program (established pursuant to section 7001(c) of the Oil Pollution Act of 1990 (33 U.S.C. 2761(c))). [Download the plan](#) [Thanks to Dan Sheehan, Hon.FISCO]

USA: PFAS STRATEGIC ROADMAP: EPA'S COMMITMENTS TO ACTION 2021-2024

EPA, 26 pp, 2021 - All levels of government—federal, Tribal, state, and local—need to exercise increased and sustained leadership to accelerate progress to clean up PFAS contamination, prevent new contamination, and make game-changing breakthroughs in the scientific understanding of PFAS. The EPA Council on PFAS developed a strategic roadmap to lay out EPA's whole-of-agency approach to addressing PFAS. The roadmap sets timelines for the Agency to take specific actions during the first term of the Biden-Harris Administration. The strategic roadmap builds on and accelerates implementation of policy actions identified in the Agency's 2019 action plan and commits to bolder new policies to safeguard public health, protect the environment, and hold polluters accountable. The actions described in this document represent important and meaningful steps to safeguard communities from PFAS contamination. EPA's integrated approach to PFAS is focused on three central directives:

- Research: Invest in research, development, and innovation to increase understanding of PFAS exposures and toxicities, human health and ecological effects, and effective interventions that incorporate the best available science.
- Restrict: Pursue a comprehensive approach to proactively prevent PFAS from entering air, land, and water at levels that can adversely impact human health and the environment.
- Remediate: Broaden and accelerate the cleanup of PFAS contamination to protect human health and ecological systems.

https://www.epa.gov/system/files/documents/2021-10/pfas-roadmap_final-508.pdf See slides from October 2021

webinar: <https://www.epa.gov/system/files/documents/2021-10/slides-epa-pfas-roadmap-public-webinars.pdf>

UK: SCOTLAND - 'THOUSANDS OF GALLONS OF FUEL' LEAK INTO RIVER AS RESIDENTS HIT OUT



January 17 - A spill of what appears to be fuel in the River Esk in Musselburgh was reported to the Scottish Environment Protection Agency (SEPA) and East Lothian Council on Friday.

The local authority warned owners not to allow their dogs to go into the water as “thousands of gallons” of “diesel” leak into the river.

Local residents and charities fought the spill with homemade booms and launched a recovery operation to save wildlife.

Later on Sunday, SEPA said a contractor was being brought in to support clean-up work at the likely source – a manhole filled with “as yet unknown material” leading to a watercourse. STV News / [Read more](#)

January 18 - The Scottish Environment Protection Agency and East Lothian Council are continuing to work together to respond to Friday’s pollution incident in the River Esk at Musselburgh.

East Lothian Council arranged for further booms and inspections to be put in place earlier today to contain material, monitor and further protect the environment.

The council together with its contractor is continuing to assess remediation measures to mitigate the impact.

Close monitoring of wildlife on the river continues, with any distressed birds being taken into care by the Scottish SPCA as space at their National Wildlife Rescue Centre becomes available. E. Lothian Council / [Read more](#)

PERU: MAJOR OIL SPILL POLLUTES SHORELINE





Editor: Carlos Sagrera, ISCO Representante América Latina and ISCO Council Member for Panama, has sent your editor several reports, numerous photos, and links for local press reports.

Received on Wednesday 19th January – “On Saturday, January 15, there was a major oil spill in circumstances involving the unloading of the Italian-flagged tanker Mare Doricum at the Multibuoy Terminal No. 2 of the La Pampilla Refinery, under the responsibility of the REPSOL company. in the area of Ventanilla on the oceanic coast of Peru (see attached map). According to initial estimates by specialists from the TNC (The Nature Conservancy), more than a thousand fishermen and shellfish fishermen would have been affected in the areas of the National Reserve System of Islands, Islets and Puntas Guaneras - Islotes de Pescadores and in the Ancón Reserved Zone, especially rich in fish and shellfish. The initial cause of the incident that the company REPSOL alleges are collateral effects of the eruption of the Tonga volcano, which occurred the same day and affected the Peruvian coast located thousands of kilometers away. After initial estimates by the company that minimized the spill, the Peruvian Environment Minister estimated a quantity of 6,000 barrels of oil spilled and according to the local press and the Authorities there are 18 square km of contaminated coastline. The responsible authority in Peru, the National Service of Natural Areas Protected by the State (Sernanp), announced inspection and evaluation actions with the Environmental Assessment and Enforcement Agency (OEFA), the Specialized Environmental Prosecutor's Office (FEMA) and the General Directorate of Captaincies and Coast Guards (Dicapi) of the Navy. The civil authorities of the Mayor's Office of La Ventanilla have publicly denounced the company and DICAPI for not reporting the incident until the following day, Sunday, January 16, which caused damage to the affected beach areas. According to the NGO Oceana, in addition to fish and shellfish, the species most affected by the spill include guano birds, seagulls, terns, tendrils, sea lions and dolphins. The OEFA, for its part, established peremptory deadlines for the evaluation and completion of the cleanup, which, if not met, will generate administrative, civil and criminal actions in accordance with Peruvian environmental laws”.

Received on Friday 21st January – “Latest news regarding the oil spill in Peru, which has worsened its consequences as the direct environmental impacts and the consequent indirect socio-economic impacts that are evaluated, which has generated chain reactions from the authorities

The President of Peru, Pedro Castillo, visited part of the coastal area affected by the spill (Cavero beach) and signed a decree in situ declaring the climate emergency of national interest, thanking the efforts of the social groups that collaborate in the tasks of spill cleanup. He also declared that it has meant the most worrying ecological disaster on the Peruvian coast in recent times and that he hopes that the REPSOL company assumes its responsibilities. The Minister of the Environment, Rubén Ramírez, accused the company for the scant information provided by REPSOL after the spill, which meant that it did not act quickly to contain the impact of the environmental damage, which harmed the marine biodiversity of the area. He also warned that this type of action will be sanctioned. For her part, Prime Minister Mirtha Vásquez presented the first report of the Crisis Committee in which she indicated that the Peruvian Maritime Authority (Marina de Guerra del Perú), has indicated that the abnormal waves caused by the eruption of the Tonga volcano did not cause the oil spill. This statement contradicts the first statements of the REPSOL company, which indicated that it was not responsible for the ecological disaster, since no tsunami warning was communicated to it by the Maritime Authority. The investigation by the Authorities is now in full swing.

The company also issued a statement informing that they applied their contingency plan, which was questioned by environmental and local authorities, regretting "not having adequately communicated all our commitments and actions carried out and assumed to address the impact generated by the oil spill. oil in Ventanilla" (affected coastal area). Specifically, they indicated actions

which included:

1. Closing of valves, which allowed to stop the pumping action
2. Assignment of a team of divers that has been exploring underwater damage
3. Constant monitoring, aerial, maritime and land for the evaluation of the impact generated after the event occurred.
4. Deployment in the sea of more than 2,500 meters of containment barriers that cover the areas detected so far.
5. Use of ten boats with brigades of 50 people that have been recovering the spilled product with the corresponding materials and machinery (skimmers and special absorbent material)”

INCIDENT REPORTS (CONTINUED)

Below are some reports in the Peruvian newspapers –

- <https://www.gob.pe/institucion/oefa/noticias/577029-oefa-dicta-medidas-administrativas-a-refineria-la-pampilla-s-a-a-para-evitar-afectacion-al-ambiente-y-salud-de-las-personas-en-ventanilla>
- <https://www.actualidadambiental.pe/denuncian-que-refineria-y-la-marina-no-informaron-a-tiempo-sobre-derrame-de-petroleo/>
- <https://www.vertigopolitico.com/internacional/internacional/notas/protestas-en-peru-por-derrame-de-petroleo>
- infobae.com/america/peru/2022/01/18/derrame-de-petroleo-en-ventanilla-fiscalia-abrio-investigacion-contra-representantes-legales-de-la-refineria-la-pampilla-y-otros/
- https://www.actualidadambiental.pe/derrame-ventanilla-pesca-ancon/?utm_source=rss&utm_medium=rss&utm_campaign=derrame-ventanilla-pesca-ancon
- <https://elcomercio.pe/lima/derrame-de-petroleo-de-repsol-en-ventanilla-en-vivo-ultima-hora-sobre-la-contaminacion-en-playas-de-lima-como-se-derramo-el-petroleo-en-ventanilla-oefa-lbposting-noticia/>
- <https://larepublica.pe/politica/2022/01/20/pedro-castillo-esperamos-que-repsol-asuma-las-responsabilidades-por-derrame-de-petroleo-en-ventanilla/>
- <https://larepublica.pe/politica/2022/01/20/ruben-ramirez-la-falta-de-informacion-de-repsol-hizo-que-no-se-actue-rapido-minam/>
- <https://larepublica.pe/sociedad/2022/01/20/derrame-de-petroleo-exigen-que-repsol-asuma-responsabilidad-por-el-desastre-ecologico-refineria-la-pampilla/>
- <https://www.infobae.com/america/peru/2022/01/21/derrame-de-petroleo-oleaje-no-tuvo-que-ver-con-el-derrame-de-petroleo-asegura-la-marina/>
- <https://www.bloomberglia.com/2022/01/20/derrame-de-petroleo-en-peru-repsol-lamenta-no-comunicar-adecuadamente-sus-acciones/>
- <https://larepublica.pe/sociedad/2022/01/22/derrame-de-petroleo-sospechan-que-hubo-negligencia-de-personal-de-repsol/>

There have also been hundreds of reports in the international press. Here are a few that contribute to the narrative.

Jan. 18 - Heavy Waves From Volcanic Eruption Caused Oil Spill in Lima, Peru [The Maritime Advocate](#)

Jan. 18 - Fishermen protest after Pacific volcano eruption causes oil spill in Peru [CBC News](#) [Thanks to Dr Merv Fingas, Hon.FISCO]

Jan. 19 - Peru opens probe of oil spill blamed on Tonga volcano and tsunami [Reuters](#)

Jan. 19 - Repsol Comes Under Fire for Response to Lima Oil Spill [The Maritime Executive](#)

Jan. 20 - Tsunami Induced Oil Spill in Peru Declared Environmental Emergency [gCaptain](#)

Jan. 20 - Drone Footage Shows Oil Spill Devastation in Peru [YouTube](#)

Jan. 20 - Peru-seeks-compensation-after-oil-spill-devastates-marine-life-video [The Guardian](#)

Jan. 21 - Crews Struggle to Clean Up Major Oil Spill Off Coast of Peru [The New York Times](#)

Jan. 21 - Peru's Foreign Affairs Min coordinates with international agencies to address oil spill [Andina](#)

Jan. 22 - Peru: FA Min announces arrival of UN experts to face oil spill [Andina](#)

THAILAND: OIL LEAK FROM SUNKEN TANKER

January 22 - Product tanker Por Andaman 2 sank in the evening Jan 22 in Gulf of Siam 62 nm north of Koh Samui island, Thailand, cause unclear. 6 crew rescued, all are safe. tanker has some 450-500 tons of fuel on board, oil leak occurred. stain some 10 kilometers long, up to 200 meters wide, reported drifting in northern direction, but it's a thin oil film, expected to dissolve naturally. Thai navy is monitoring stain drift, and situation in wreckage area. [The Maritime Bulletin](#) / [Read more](#)

Legal disclaimer: Whilst ISCO takes every care to ensure that information published in this newsletter is accurate unintentional mistakes can occur. No liability for consequences of errors is accepted but, if an error is brought to our attention, a correction will be printed in a following issue of this newsletter. Products and services featured in the ISCO Newsletter and/or the ISCO website, including the International Directory of Spill Response Supplies and Services, have not been tested, approved or endorsed by ISCO. Any claims made by suppliers of products or services are solely those of the suppliers and ISCO does not accept any liability for their accuracy. It should not be assumed that views and opinions expressed in linked reports, articles and other content reflect the views of the organization. Subscription is subject to acceptance of ISCO's Terms and Conditions as published on the website www.spillcontrol.org and your acceptance of ISCO's Data Protection and Privacy Policy.
