

ISCO & THE ISCO NEWSLETTER

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

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

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INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



WORLD ENVIRONMENT DAY

A Practical Guide to living sustainably in harmony with nature,
developed for World Environment Day 2022.



Climate change, nature and biodiversity loss, and pollution and waste – evidence that Earth is “code red” is all around us and growing more ominous every day.

The way out of this dilemma is to transform our economies and

societies to make them inclusive, fair, and more connected with nature. We must shift from harming the planet to healing it.

#OnlyOneEarth calls for collective, transformative action on a global scale to celebrate, protect and restore our planet.

The good news is the solutions and the technology exist and are increasingly affordable.

Truly transformative options need to be available, affordable and attractive to people so they can make better daily decisions. Many of these options can only be created by larger entities: national and sub-national governments, financial institutions, businesses, international organizations, and other organizations with the power to rewrite the rules, frame our ambition and open up new horizons.

The #OnlyOneEarth Practical Guide outlines some of the transformative actions that organizations and people can take.

Take inspiration from these suggestions and work out how you can have the biggest impact. Share your action by taking part in the [Earth Action Numbers](#), and using #OnlyOneEarth and #WorldEnvironmentDay on social media. There are also multilingual [social media cards and key messages available here](#).

DOWNLOAD THE #ONLYONEEARTH PRACTICAL GUIDE

ISCO AMBASSADORS

(Members with special responsibilities in specified geographical areas)

Carlos Sagrera	Región Iberoamericana
Matthew Sommerville	UK London
John Noble	UK London & South'ton
Wu Yue	China

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Click on the link below –

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ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION

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

All who have the relevant qualifications and the required level of experience can apply for Professional Membership of ISCO. The organization offers independent validation and integrity. Each grade of membership reflects an individual's professional training, experience and qualifications. You can apply for MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO)

[About Professional Membership](#)

[Professional Membership Application Form](#)

**ISCO NEWS****ISCO'S NEXT VOLUNTEER GROUP ZOOM MEETING**

This will take place on Thursday 26th May at 3pm Detroit time or 8pm GMT or the equivalent time in your own time zone.

The link for joining the meetings is <https://us02web.zoom.us/j/81185103365>

Meeting ID: 811 8510 3365 No pre-set agenda – So please think of any points you would like to bring up.

ISCO WILL BE AT INTERSPILL IN AMSTERDAM

If you are going to be there please call at the ISCO stand **A11** in the exhibition. Captain Bill Boyle MNI, Hon.FISCO will be representing ISCO and Helena Rowland will be assisting. Member of ISCO Council, Dennis van der Veen will also be at the conference.

Quite a number of ISCO members will be exhibiting including Balaena, Briggs, Cedre, Desmi, Fastank, Markleen, Meke Marine, Ohmsett, OSRL, Surfcleaner, Vikoma and a few others (not yet listed).

It looks like it's going to be a really first class event – great conference programme, workshops, training opportunities, and other things going on.

SHORELINE CLEAN-UP IN CHINA

Wu Yue, ISCO's Ambassador in China, reports "My team has done "Clean the beach , protect the Ocean" SIOETC day.



“清洁岸滩，爱护海洋”公益日活动

"Clean Beach, Care for the Ocean" Public Welfare Day" 随着人类活动的加剧，全球气候变暖、海洋酸化、海洋污染已经成为威胁人类生存的环境问题。其中，海洋垃圾问题已经成为世界海域的顽疾，全世界没有一条海岸线不受到海洋垃圾的污染。据统计，每年新增的塑料垃圾就达到近 800 万吨。

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Mike Watson at
spillcontrol@mwadigital.com

With the intensification of human activities, global warming, ocean acidification and ocean pollution have become environmental problems that threaten human existence. Among them, the problem of marine garbage has become a chronic disease in the world waters, and there is no coastline in the world that is not polluted by marine garbage. According to statistics, the newly added plastic waste reaches nearly 8 million tons every year.

海洋垃圾不仅导致数以万计的海洋生物受伤甚至死亡，在海中分解的微粒或毒素还会通过海产品或直接接触返回到人类身上，从而影响健康。

Marine garbage not only causes tens of thousands of marine organisms to be injured or even killed, but also particles or toxins decomposed in the sea can be returned to humans through seafood or direct contact, thus affecting health.

保护海洋环境已迫在眉睫！

Protecting the marine environment is imminent!

联合国环境署于 2017 年 2 月发起了清洁海洋全球倡导活动。

UNEP launched the Global Advocacy for Clean Oceans in February 2017.

在过去几年中，清洁海洋已发展成为全球最大规模的防治海洋垃圾污染倡议。如今，已有 60 个国家签署这一倡议，覆盖了世界 60% 以上的海岸线。

In the past few years, Clean Ocean has developed into the world's largest initiative to prevent marine garbage pollution. Today, 60 countries have signed this initiative, covering more than 60% of the world's coastlines.

倡议不断催生变革，推动各国政府出台“禁塑”/“减塑”政策和法规，督促行业减少塑料使用&重新设计塑料包装，呼吁消费者改变“用过即丢”的一次性生活方式，要求公共和私营部门采取更多行动。

The initiative constantly promotes changes, urges governments of various countries to introduce policies and regulations of "banning plastics"/"reducing plastics", urges industries to reduce the use of plastics & redesign plastic packaging, calls on consumers to change the disposable lifestyle of "disposable", and requires public and private sectors to take more actions.

山东国际海洋工程培训中心位于山东省潍坊市滨海经济技术开发区，已成为国际海洋石油工业培训组织、全球风能组织、国际清污组织、国际应急管理学会、中国海工联盟的合作伙伴，是中国为数不多的 OPITO 培训中心及全球风能组织认证中心，中心颁发认证全球通用。

Shandong International Offshore Engineering Training Center, located in Weifang Binhai Economic and Technological Development Zone, Shandong Province, has become a partner of the International Offshore Oil Industry Training Organization, the Global Wind Energy Organization, the International Pollution Cleaning Organization, the International Emergency Management Society and the China Offshore Alliance. It is one of the few OPITO training centers and the certification center of the global wind energy organization

in China, and the certification issued by the center is universal.



为进一步增强广大职工的环保意识，继承和发扬志愿服务精神，营造人人参与创建国家卫生城市的良好氛围。5月13日上午，山东国际海洋工程培训中心志愿者在公司副总张志华的带领下来到潍坊市滨海区欢乐海沙滩，开展“清洁岸滩，爱护海洋”公益活动，清理沙滩垃圾，让海岸线恢复清洁，让我们享有一个洁净、美丽的海滩环境，以实际行动呼吁大家增强环保意识，共建美丽家园。

In order to further enhance the environmental awareness of the employees, inherit and carry forward the spirit of voluntary service, and create a good atmosphere for everyone to participate in the creation of a national health city. On the morning of May 13th, volunteers from Shandong International Ocean Engineering Training Center, led by Zhang Zhihua, vice president of the company, went to Joy Sea Beach, Binhai District, Weifang City, to carry out the public welfare day of "Clean Beach, Care for the Ocean", clean up the beach garbage, make the coastline clean again, and let us enjoy a clean and beautiful beach environment. With practical actions, we call on everyone to enhance their awareness of environmental protection and build beautiful homeland together.

当天上午，志愿者们一来到海滩，立即拿着垃圾袋、工具夹、铲子等迅速投入环保行动中，对欢乐海附近的海滩进行地毯式的清洁。大家干劲十足，全神贯注、一丝不苟地捡拾沙滩上的饮料瓶、塑料袋、烟头、包装纸、瓶盖等生活垃圾，不放过任何一个要“收拾”的目标，不一会儿，手里拎的垃圾袋就装满了，本中心培训部副部长刘政与其他教练负责将垃圾运送到指定地点。虽然又脏又累，但是看着海滩在自己的手中正在变得干净起来，大家都非常满足和高兴。不少在沙滩上游玩的游客也纷纷驻足观望，投来赞许的目光。



On the morning of the same day, as soon as the volunteers came to the beach, they immediately took garbage bags, tool clips, shovels, etc. and quickly threw themselves into the environmental protection action to carpet clean the beach near Joy Sea. Everyone was full of energy, absorbed and meticulous in picking up domestic garbage such as beverage bottles, plastic bags, cigarette butts, wrapping paper, bottle caps, etc. on the beach, not letting go of any goal to "clean up". In a short time, the garbage bags in their hands were full. Liu Zheng, deputy director of the training department of the center, and other coaches were responsible for transporting the garbage to the designated place. Although it is dirty

and tired, everyone is very satisfied and happy to see that the beach is becoming clean in their own hands. Many tourists who are playing on the beach have also stopped to watch and cast their eyes of approval.

“虽然太阳很晒，但是大家的热情很高，觉得这样的活动很有意义，看到海岸线的垃圾‘图斑’被消除，点点零落的垃圾被清理，沙滩恢复洁净，心中满满是胜利与喜悦。”本中心培训部部长李继浩说道。”

Although the sun is shining, everyone's enthusiasm is very high, and they think this kind of activity is very meaningful. Seeing that the garbage 'map spots' on the coastline have been eliminated, bits and pieces of garbage have been cleaned up, and the beach has been restored to cleanliness, their hearts are full of victory and joy." Li Jihao, Minister of Training Department of the Center, said.

中心负责人 Amanda 表示，“守护海岸线活动不是一次性活动，也不是一个人的活动，而是每个人都应该参加的活动，今天我们来海边，通过净滩行动守护美丽的家园，希望更

多的志愿者能够参与我们的行动。”

Amanda, the head of the center, said, "Protecting the coastline is not a one-off activity, nor a one-person activity, but an activity that everyone should take part in. Today, we came to the seaside to protect our beautiful home through the clean beach action, hoping that more volunteers can participate in our action."

据悉，本次清理行动，共清理沙滩各类垃圾 40 余袋，主要是涉及从海上及海岸线周边养殖海域漂来的塑料瓶、包装袋、海藻、泡沫、养殖用竹竿、地笼、渔网等垃圾。

It is reported that in this clean-up operation, more than 40 bags of various kinds of garbage on the beach were cleaned, mainly involving plastic bottles, packaging bags, seaweed, foam, bamboo poles for cultivation, ground cages, fishing nets and other garbage floating from the sea and the aquaculture waters around the coastline.

INTERNATIONAL NEWS (CONTINUED)

本次活动历经 3 个多小时，最后大家把垃圾分类打包运到垃圾存放点，经过清理过的这一片海滩一下子变得清洁靓丽。希望通过此次活动影响更多的人加入环保队伍，积极参与到环境保护中来，保护青山绿水、碧海蓝天，爱护自己的美好家园。

This activity lasted for more than 3 hours, and finally, everyone sorted and packed the garbage and transported it to the garbage storage point. The cleaned beach suddenly became clean and beautiful. It is hoped that this activity will influence more people to join the environmental protection team, actively participate in environmental protection, protect the green mountains, green waters, blue seas and blue skies, and take good care of their beautiful homes.

参加人员：张志华 董名 李继浩 周煜 刘玮琦 周巧 王鲁蒙 王家兴 刘政 王小涛 王学杰 wuyue wuyue@osrtec.com

MORE INTERNATIONAL & REGIONAL NEWS

HELPING TO KEEP THE OCEAN PLASTIC FREE - BIMCO JOINS GLOLITTER PARTNERSHIP PROJECTS TO HELP PREVENT AND REDUCE MARINE LITTER FROM SHIPPING

May 5 - Key to reducing plastics in the ocean is working together- collaborating both within our sector and wider. That is why we are delighted to join the GloLitter Partnerships Project as a strategic partner. Assisting developing countries to prevent and reduce marine plastic litter from maritime transport and identifying opportunities for the reduction of plastic uses in shipping are shared ambitions – vital for supporting the long-term health of our ocean.

BIMCO has become a strategic partner of the GloLitter Partnerships Project. The GloLitter Partnerships Project aims to help shipping and fisheries move to a low-plastics future. In particular the project will assist developing countries identify opportunities to prevent and reduce marine litter, including plastic litter, from within the maritime transport and fisheries sectors, and to decrease the use of plastics in these industries, including identifying opportunities to re-use and recycle plastics. BIMCO / [Read more](#)

IOPC FUNDS - OCTOBER 2022 MEETING OF THE GOVERNING BODIES TO TAKE PLACE IN PERSON

May 16 - The Director is pleased to announce that the next meeting of the IOPC Funds governing bodies is set to take place in person at the IMO Headquarters building in London, the week commencing 24 October 2022. IOPC Funds / [Read more](#)

INTERNATIONAL DAY FOR WOMEN IN MARITIME



MORE INTERNATIONAL & REGIONAL NEWS (CONTINUED)

May 18 - The IOPC Funds is proud to support the first International Day for Women in Maritime today, 18 May 2022. Established and championed by the International Maritime Organization (IMO) following its World Maritime theme for 2019, "Empowering Women in the Maritime Community", the focus for this year's event is 'Training-Visibility-Recognition: Supporting a barrier-free working environment'. That theme is the focus of discussion at a symposium organised as part of the day's celebrations. [Read more](#)

May 20 - IMO Symposium looks to break down barriers for women in maritime - An IMO Symposium (virtual) on "Training-Visibility-Recognition: Supporting a barrier-free working environment for Women in Maritime" heard from nine panelists - seven women and two male allies. They addressed: what type of training supports a barrier-free working environment for women in maritime; how to enhance visibility for women in the workplace/environment; and recognition in the work environment of women's contributions to maritime. IMO / [Read more](#)

NATURA 2000 AWARDS: EU RECOGNISES EXCELLENCE IN NATURE PROTECTION ACROSS EUROPE

May 19 - On the occasion of the 30th anniversary of the creation of the Natura 2000 network, the EU Commissioner for the Environment, Oceans and Fisheries Virginijus Sinkevičius announced the winners of the 2022 edition of the Natura 2000 Awards. The six winners include projects from Austria, Bulgaria, Greece, Portugal, Spain and a cross-border project from Germany, Austria, Luxembourg and Switzerland. European Commission / [Read more](#)

IMO: COMMITTING TO PROTECT THE MARINE ENVIRONMENT IN THE CARIBBEAN

May 20 - Caribbean Member States and industry have set the course for the future to protect the Caribbean marine environment during the latest meeting of the Regional Marine Pollution Emergency, Information and Training Centre – Caribe (RAC/REMPEITC-Caribe).

The 10th RAC/REMPEITC-Caribe Steering Committee Meeting (which is held every two years) was held in Curaçao Netherlands (18-19 May).

Through the Centre, IMO supports capacity-building activities, including practical training in oil spill preparedness and response; workshops on implementing IMO's Ballast Water Management Convention to prevent the introduction of invasive aquatic species; and regional gatherings of maritime administrators to share best practices and receive updates on regulatory matters. [Read more](#)

GEF: 139 COUNTRIES GET HEAD START ON EFFORTS TO REVERSE SPECIES LOSS

May 20 - With global biodiversity loss at dangerous levels, 139 countries have received a lifeline to fast-track efforts to conserve, protect and restore species and ecosystems as soon as a new global accord currently under negotiation is approved.

The new financing from the Global Environment Facility, totaling \$43 million, will give developing countries the means to quickly put the anticipated Post-2020 Global Biodiversity Framework into practice and make headway towards the goal of halting and reversing species loss this decade. GEF / [Read more](#)

NEWS REPORTS FROM AROUND THE WORLD

BRAZIL: IBAMA REDUCES CORAL IMPACTS IN OFFSHORE OIL AND GAS PRODUCTION VENTURE BY 95%

May 12 - The environmental licensing conducted by the Brazilian Institute of the Environment and Renewable Natural Resources (IBAMA) required a revision of the "Project for the Revitalization of the Maduros maritime fields of Marlim and Voador, Campos Basin", forwarded by Petrobras, and achieved, with this, the reduction of 95% of environmental impacts on corals located in the area of the enterprise. IBAMA / [Read more](#)

CANADA: ITOPF GRANTS 11TH ANNUAL RESEARCH AND DEVELOPMENT (R&D) AWARD TO POLITE PROJECT

May 16 - The 2022 ITOPF Research and Development (R&D) award has been granted to the Huntsman Marine Science Centre in Canada, in partnership with Bigelow Laboratory for Ocean Sciences, USA.

The winning project – POLITE – seeks to understand the behaviour of Low and Ultra-low Sulfur Fuel Oils (LSFOs and ULSFOs) when exposed to sunlight and their effects on the marine environment. ITOPF / [Read more](#)

CANADA: ENVIRONMENTAL RESPONSE EXERCISE TO TAKE PLACE ON THE ST. CLAIR RIVER, ONTARIO

May 16 - The Canadian Coast Guard advises the public that an environmental response exercise will be conducted on the St. Clair

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

River, near Walpole Island, Ontario, on May 17, 2022.

The routine exercise will involve environmental response personnel from Canada and the United States. Members of the public may see increased Coast Guard presence, and marine and air traffic during the exercise.

The exercise will simulate a response to a major pollution incident, where coast guard personnel will deploy booms to contain pollutants and protect the surrounding environment. Canadian Coast Guard / [Read more](#)

CROATIA: WORKSHOP HELD IN SIBENIK

May 19 - On the 18th of May, a workshop was held for participants as a part of the PEPSEA project. The workshop was held in cooperation between ATRAC and Sibenik-Knin County. The participants were students of Traffic and Technical School Sibenik and the representatives of the City of Sibenik, to whom the most important activities and results of the project were presented. Through the presentation, participants were also introduced to the importance of the protection of the sea, marine environment, and ecosystem. ATRAC / [Read more](#)

CURACAO: 10TH ORDINARY MEETING STEERING COMMITTEE OF RAC-REMPEITC CARIBE



Two photos kindly provided by Carlos Sagrera – from left to right - Lcdr. USCG Lucas Rodríguez - IMO Representative RAC-REMPEITC; CDR. USCG Wes James - Office Marine Environmental USCG; Gisette Seferina - Chair Person 10^o Ordinary Meeting Steering Committee; Christopher Corbin - Active Coordinator of the Cartagena Convention Secretariat; Patricia Charlebois - Deputy Director Marine Environment Division IMO; Carla Bikker - Director RAC-REMPEITC Caribe; Sara Zelaya - Jefa del Departamento de Protección del Medio Marino DGMM-Honduras; Paul Schuler - ORSL Director External Affaires-America



May 19 – Report received from Carlos Sagrera, ISCO Representante América Latina - "According to what was reported last week by ISCO Newsletter No. 838, the 10th Ordinary Meeting Steering Committee of RAC-REMPEITC Caribe took place between May 18-19,

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

2022, in Willemstad Curacao, fulfilling all the scheduled objectives: the review and completion of the RAC/REMPEITC-Caribe's Work Plan for 2022 – 2024, in addition to topics on MARPOL Convention Activities, Recommendations and Proposals /Sargassum Monitoring /GloLitter Project; the NCP/OPRC Convention Activities, Recommendations and Proposals in the countries of the Wider Caribbean Region; as well as in relation to Stony Coral Tissue Loss (SCTL), Ballast Water Management (BWM) Convention Activities, Recommendations and Proposals. For the first time in the region, the case of the spill in Peru (January 2022) was presented, considering the main aspects of its management. Patricia Charlebois, Deputy Director, Marine Environment Division of IMO, made the opening remarks. Those interested in the documentation of the event can find it soon at: www.racrempeitc.org

DENMARK: RPAS OPERATION BEGINS OFFERING ENHANCED MARITIME SURVEILLANCE TO DANISH NATIONAL AUTHORITIES

May 17 - From mid-May EMSA RPAS are flying from Denmark's northernmost town Skagen, offering enhanced maritime surveillance. The service is being provided by EMSA following a request from the Royal Danish Navy which is using the service alongside fellow national authorities, including the Danish Customs and Danish Fisheries Agency, as they implement coast guard functions.

The RPAS service is delivered by EMSA through the contractor, Schiebel Aircraft GmbH and will see a Schiebel Camcopter S100 deployed in support of Danish authorities' maritime surveillance activities over a two-month period. The aircraft is an unmanned helicopter with an endurance of six hours and a range of more than 100 km. It is equipped with both an optical and infrared camera, as well as an AIS receiver and an automated maritime search sensor capable of detecting objects on the sea surface.

EMSA / [Read more](#)

INDIA: COAST GUARD, KOLKATA PORT JOINT EXERCISE ON OIL SPILL

May 19 - The exercise was conducted with the aim to test the preparedness of various stakeholders and agencies as part of a contingency plan for oil spill. Representatives from various stakeholders, including oil companies, attended the drill that was inaugurated by deputy inspector general, Pankaj Verma, Coast Guard commander (WB) who emphasized on execution and effective implementation of national oil spill disaster contingency plan (NOSDCP).

The exercise commenced at Coast Guard hoverport with presentations by domain experts from Coast Guard/ HDC and culminated with practical demonstration of pollution response equipment undertaken by HDC. It not only assisted in providing insight into the functioning of pollution response equipment but also in imparting first hand information to all stakeholders.

The Statesman / [Read more](#)

INDONESIA: JOKOWI RATIFIES 1990 INTERNATIONAL OIL POLLUTION CONVENTION

May 19 - President Joko Widodo, known as Jokowi, on Thursday officially issued Presidential Regulation No.76/2022 which ratifies the 1990 international convention on oil pollution preparedness, response, and cooperation. The regulation has been effective since the day of the signing on April 28.

The convention was adopted at the International Maritime Organization Conference held on November 30, 1990, in London, which aimed to tackle oil spills at sea and ensure the protection of the maritime environment. Tempo / [Read more](#)

IRELAND: EPA PUBLISHES GUIDELINES ON THE INFORMATION TO BE CONTAINED IN ENVIRONMENTAL IMPACT ASSESSMENT REPORTS

May 17 - The Environmental Protection Agency (EPA) today published 'Guidelines on the information to be contained in Environmental Impact Assessment Reports'. The Guidelines are primarily intended to be an authoritative reference to those preparing Environmental Impact Assessment Reports (EIARs) for projects covered by the EIA Directive. Clear, concise, unambiguous information is essential throughout these reports. The Guidelines contain the systematic approach, standard descriptive methods and effect descriptions that can be used by developers. This ensures that all the likely significant effects are adequately considered and clearly communicated. EPA / [Read more](#)

JAPAN: IOPC FUNDS VISIT

May 16 - The IOPC Funds' Director, Mr Gaute Sivertsen, travelled with the Policy Officer, Mr Yuji Okugawa, to Tokyo, Japan during the week of 9 May 2022 to meet with both Japanese Government representatives and contributors to the IOPC Funds. The Director held fruitful meetings with the Chairman of the Petroleum Industry Marine Association of Japan (PIMA), the Petroleum Association of Japan (PAJ), and with the Director of the International Shipping Division at the Maritime Bureau, Mr Miyazawa, and other officers at the Ministry of Land, Infrastructure, Transport and Tourism (MLIT). [Read more](#)



KUWAIT: OPENING OF THE ENVIRONMENTAL MEDIA TRAINING COURSE

May 16 - Under the auspices of His Excellency Sheikh Abdullah Al-Ahmad Al-Hammoud Al Sabah, Director General of the General Authority for Environment and Chairman of the Board of Directors and the presence of the Deputy Director General of Technical Affairs Dr. Abdullah al Zaidan opened the founding session of environmental media and organized by the General Authority for the Environment in cooperation with the Kuwaiti Journalists Association. Kuwait EPA / [Read more](#)

MONACO HOSTS SPECIAL EVENT DEDICATED TO THE FIRST EDITION OF SPAMI DAY

May 19 - Celebrations of the [first edition of SPAMI Day](#) will culminate in a special event to be held on 20 May 2022 in Monaco under the auspices and with the participation of H.S.H. Prince Albert II. [\[Programme\]](#) The **live streaming** will start on Friday, 20 May, at 09:00 CET from the [SPA/RAC YouTube channel](#).

The Monaco SPAMI Day special event, which SPA/RAC is organizing jointly with the Pelagos Agreement Permanent Secretariat and the Oceanographic Museum of Monaco, will be attended by Ministers of the Environment of Mediterranean countries hosting the 39 Specially Protected Areas of Mediterranean Importance (SPAMIs) listed under the Barcelona Convention. The special event will also bring together the managers of the SPAMIs and representatives of institutions involved in SPAMI management and governance. [Learn more about SPAMI Day](#) UNEP / [Read more](#)

NEW ZEALAND: OIL SPILL RESPONSE PRACTICED LAST WEEK

May 16 - The Tairāwhiti marine oil spill team used their newest gear in an Inner Harbour training exercise last week, getting a big thumbs up from Maritime New Zealand representatives who were on site. Scoop / [Read more](#)

NIGERIA: BAYELSA VILLAGERS LOSE LIVELIHOODS TO OIL POLLUTION, CRY OUT

May 17 - Residents of Ikarama, a riverside fishing and farming community in Yenagoa Local Government Area, Bayelsa State, have raised the alarm over non-stop crude oil spills that have contaminated their farmlands and fishponds, over the years, dispossessing them of their means of livelihood. Vanguard / [Read more](#)

NIGERIA: BMI INTERNATIONAL PUBLICATIONS UPDATE 18 MAY 2022

May 18 – Message from BMI - We have received repeated requests for information related to the Bodo Remediation and Revegetation Project. The BMI Directorate is pleased to provide this collected assembly of Project-related publications in well-respected and peer-reviewed international journals to enable downloads at your convenience. The list will be expanded as additional articles reach the publication stage. Please do not hesitate to ask for additional information.

[Editor: No URL provided for downloading the list. Please contact Bariton Lezabbey, BMI Communications Officer for more info. BMI Communications bmicommunications2@gmail.com]

PERU SUES REPSOL FOR \$4.5B FOR LIABILITIES FOR JANUARY 2022 OIL SPILL



Photo: Workers cleaning some of the 75 miles of coastline impacted by the spill (Repsol)

May 16 - Peru filed a civil suit against Repsol and others for liabilities in the January 2022 oil spill off its coast asking the court for a total of \$4.5 billion in compensation in what it calls the first civil claim for liabilities in the case. This suit specifically seeks compensation for the affected consumers, users, and third parties and is separate from criminal charges that the authorities were exploring against the managers of Repsol's La Pampilla refinery complex.

The Maritime Executive / [Read more](#) [Thanks to Dan Sheehan, Hon.FISCO]

PERU SEEKS EXTRADITION OF TANKER CAPTAIN FROM JANUARY OIL SPILL

May 18 - Prosecutors in Peru confirmed that they are seeking the extradition of the captain of the Italian-flagged tanker Mare Doricum back to Lima as part of the ongoing investigation into what they are calling the worst oil disaster in the country's history. Giacomo Pisani was in command of the Suezmax tanker that was unloading its cargo of crude oil to the Repsol facility on January 15 when the oil spill occurred. The Maritime Executive / [Read more](#)

TUNISIA: UNEP/MAP COORDINATOR CONFERS WITH THE MINISTER OF THE ENVIRONMENT DURING OFFICIAL VISIT

May 19 - On 9 May the UNEP/MAP Coordinator Tatjana Hema met with Leila Chikhaoui, Minister of the Environment of Tunisia, and heard an unequivocal statement of support to the Mediterranean Action Plan and commitment to the implementation of the Convention for the protection of the marine environment and the coastal region of the Mediterranean ([Barcelona Convention](#)).

Minister Chikhaoui reaffirmed the Ministry's determination to secure the ratification of the [Integrated Coastal Zone Management \(ICZM\) Protocol](#) and acknowledged the importance of ratifying the [Prevention and Emergency Protocol](#). UNEP / [Read more](#)

UGANDA: LATEST DEVELOPMENTS ON CRUDE OIL REFINERY PROJECT

May 18 - The 60,000 barrels of oil per day Uganda crude oil refinery that is set for development in Kabaale, Buseruka sub-county in Hoima District is expected to start operations in 2027 according to the Energy Minister, Ruth Nankabirwa. Construction Review Online / [Read more](#)

USA: NEW YORK - GOWANUS SUPERFUND PROJECT

May 15 - Despite the strong opposition of New York City, including Mayor Michael Bloomberg, and local Councilman Bill deBlasio, the Gowanus Canal, called one of the most polluted waterways in the world, was finally declared an EPA Federal Superfund site in 2010. This meant that the canal would be subject to federal jurisdiction when it came both to cleanup as well the prevention of future pollution. Star Revue / [Read more](#)

USA: \$230M SETTLEMENT REACHED OVER 2015 CALIFORNIA OIL SPILL

May 16 - The owner of an oil pipeline that spewed thousands of barrels of crude oil onto Southern California beaches in 2015 has agreed to pay \$230 million to settle a class-action lawsuit brought by fishermen and property owners, court documents show. Houston-based Plains All American Pipeline agreed to pay \$184 million to fishermen and fish processors and \$46 million to coastal property owners in the settlement reached Friday, according to court documents. JWN Energy / [Read more](#)

USA: WITH \$113 MILLION FEDERAL INFUSION, DREAMS OF A RESTORED ST. LOUIS RIVER 'FINALLY COMING TO FRUITION'

May 18 - "This is an exciting day for everyone who loves the St. Louis River," said Debra Shore, leader of the EPA's Midwestern office. "Thanks to the bipartisan infrastructure law and the support from our private and state partners, we are on track to finish cleanup and restoration in the St. Louis River Area of Concern by the end of this decade ... and maybe as early as 2027." Star Tribune / [Read more](#)

USA: 2022 SCAA ENVIRONMENTAL EXCELLENCE AWARD - SUNY MARITIME COLLEGE



May 19 - 2022 marks the 14th year of SCAA's Environmental Excellence Award Program which recognizes a graduating Midshipman or First Classman at each academy who has demonstrated outstanding interest, creativity, initiative and commitment to environmental excellence in the performance of their course of study and extracurricular involvement.

At SUNY Maritime College, SCAA awarded the 2022 Environmental Excellence Award to Jordon King, a graduating student.

Dr. Caterina Panzeca, Vice Chair of MES presented the award. SCAA / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

May 21 – Please click on the links below to download and read the latest News Reports from NAAA OR&R

NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

[Request for Proposals for FY 2022 Hurricane Response Marine Debris Removal Fund](#)

On May 17, the National Fish and Wildlife Foundation, in partnership with the NOAA Marine Debris Program, announced a request for proposals under the Hurricane Response Marine Debris Removal Fund.

[Emergency Response Division Presents at the NASTTPO Conference](#)

Recently, NOAA gave a virtual presentation on the [CAMEO® software suite](#) to emergency planners from across the country at the annual National Association of SARA Title III Program Officials (NASTTPO) conference.

[Lessons with Little Learners: Marine Debris Program Does Virtual Outreach with Honolulu Elementary School](#)

Even our youngest learners are eager to explore ocean issues and stewardship. On Monday, May 16, the Marine Debris Program virtually engaged with four first grade classes at Wai'alae Elementary in Honolulu.

[Examining the Emergency and Environmental Response Systems Interface](#)

On April 27, OR&R Director Scott Lundgren joined officials from Department of Commerce and others from the federal interagency to take part in a component of the National Level Exercise (NLE) 2022, an exercise that also incorporates a declared Spill of National Significance exercise.

[Director and Chief Scientist Share NOAA Advances at Annual Meeting of Spill Control Association of America](#)

From April 27-28, 2022, the NOAA OR&R Director Scott Lundgren and Senior Scientist Lisa DiPinto participated in the Annual Meeting of the [Spill Control Association of America \(SCAA\)](#)([link is external](#)) held in Savannah, Georgia.

NEWS FROM ISCO MEMBERS

Corporate Members of ISCO can submit news about new products and services in the “News from ISCO Members” section of the ISCO Newsletter. This is a free facility for Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 50 countries, it's a cost-effective way to promote your company. If you have some news you would like to share with readers of the ISCO Newsletter, send it to John.McMurtrie@spillcontrol.org

“... AND THE RIVER FLOWS BELOW ! ”



This is the status in many rivers, ponds, streams and backwaters in India. Hyacinth and other weed proliferate very quickly and covers the surface of the water body, denying sunlight to the waterbody beneath to remain healthy. This proliferation is usually due to presence of organic pollutants. While the long term solution is arresting these pollutants at source, in the short term these can be arrested and brought to riverside by floating barriers for low cost removal for further W2E possibilities. In the image, you can see the floating barriers holding back a large patch of hyacinth as the river waters flows below.

[#rivercleanup](#) [#oceancleanup](#)
[#rejuvenation](#) [#sustainability](#)
[#hyacinth](#) [#water](#) [#India](#)

Captain D. C. Sekhar

sekhar@alphamers.com

<https://alphamers.com/>



A COLUMN CREATED BY DR. MERV FINGAS, MEMBER OF ISCO COUNCIL

This is part of a weekly column which provides the references and abstracts of new peer-reviewed scientific publications on oil spills. These references are selected on the basis of those papers that provide new insights into the fate, effects and control of oil spills. Readers may choose to obtain the full publications and to do so, one of three methods is suggested; contact your library, search the internet with the DOI (digital object identifier) provided, or search the internet for the exact title. These are given in the order of likely success in obtaining the article. We hope that this provides useful information. Merv Fingas, ISCO colleague.

43. EFFECTS OF DISPERSANT-TREATED OIL UPON BEHAVIOURAL AND METABOLIC PARAMETERS OF THE ANTI-PREDATOR RESPONSE IN JUVENILE EUROPEAN SEA BASS (*DICENTRARCHUS LABRAX*),

Aimon, C., Lebigre, C., Le Floch, S., Claireaux, G. (2022)
 Science of the Total Environment, 834, art. no. 155430,
 DOI: 10.1016/j.scitotenv.2022.155430

ABSTRACT: Acute exposure to oil and oil dispersants can cause a wide range of physiological dysfunctions in marine fish species and evidences for consequences on behaviour are also increasing. In response to the presence of predators or to food availability, the modulation of locomotor activity and schools' behaviour enable fish to maximize their survival rates. However, the degree to which this regulatory process is affected by exposure to oil and/or dispersants is yet unknown. Here we investigated the effect of a 62-h experimental exposure to dispersant-treated oil on the behavioural (shoal cohesion, spontaneous activity) and metabolic (oxygen consumption) responses to simulated predation in juvenile European sea bass, *Dicentrarchus labrax* L. Our results suggest that exposure to petroleum hydrocarbons may affect negatively individual fitness through impaired ability to respond to predation. Shoal cohesion was not affected, but fish swimming activity was higher than control individuals under predation pressure and the amplitude of their metabolic response was significantly reduced. Fish recovered from alteration of their metabolic response 7 days post-exposure. Additionally, a strong habituation component was observed in C fish and the absence of such pattern in E fish suggest altered capacity to habituate over time to the surrounding environment and possible impairments of the related cognitive performances. Altogether, our data show that juvenile sea bass exposed to oil exhibit transient physiological dysfunctions and impairments of complex behaviours that may have major population-level consequences.

44. BEST AVAILABLE TECHNIQUE FOR THE RECOVERY OF MARINE BENTHIC COMMUNITIES IN A GRAVEL SHORE AFTER THE OIL SPILL: A MESOCOSM-BASED SEDIMENT TRIAD ASSESSMENT,

Kim, T., Lee, C., Lee, J., Bae, H., Noh, J., Hong, S., Kwon, B.-O., Kim, J.-J., Yim, U.H., Chang, G.S., Giesy, J.P., Khim, J.S. (2022)
 Journal of Hazardous Materials, 435, art. no. 128945,
 DOI: 10.1016/j.jhazmat.2022.128945

ABSTRACT: Ecotoxicological effects of spilled oils are well documented, but study of recovery of marine benthic communities is limited. Long-term recovery of hard bottom communities during physical and biological remediations after a spill was monitored. A 60-day experiment was conducted using a mesocosm with monitoring of eight endpoints by use of the sediment quality triad (SQT). First, physical treatment of hot water + high pressure flushing maximally removed residual oils (max=93%), showing the greatest recovery among SQT variables (mean=72%). Physical cleanup generally involved adverse effects such as depression of the microphytobenthic community during the initial period. Next, biological treatments, such as fertilizer, emulsifier, enzyme and augmentation of the microbes, all facilitated removal of oil (max=66%) enhancing ecological recovery. Analysis of the microbiome confirmed that oil-degrading bacteria, such as *Dietzia* sp. and *Rosevarius* sp. were present. A mixed bioremediation, including fertilizer + multi-enzyme + microbes (FMeM) maximized efficacy of remediation as indicated by SQT parameters (mean=47%). Natural attenuation with "no treatment" showed comparable recovery to other remediations. Considering economic availability, environmental performance, and technical applicability, of currently available techniques, combined treatments of physical removal via hand wiping followed by FMeM could be most effective for recovery of the rocky shore benthic community.

45. VERTICAL DISTRIBUTION CHARACTERISTICS AND INTERACTIONS OF POLYCYCLIC AROMATIC COMPOUNDS AND BACTERIAL COMMUNITIES IN CONTAMINATED SOIL IN OIL STORAGE TANK AREAS,

Xu, G., Geng, S., Cao, W., Zuo, R., Teng, Y., Ding, A., Fan, F., Dou, J. (2022)
 Chemosphere, 301, art. no. 134695,
 DOI: 10.1016/j.chemosphere.2022.134695

ABSTRACT: Polycyclic aromatic compound (PAC) contamination in soil as a result of oil spills is a serious issue because of the huge global demand for fossil energy. This study assessed the vertical variation in polycyclic aromatic hydrocarbons (PAHs), derivatives of PAHs (dPAHs) and bacterial community structure in deep soil with long-term contamination by oil spillage. Our results suggest that the content of total PACs ranged from 1196.6 µg/kg to 14980.9 µg/kg and decreased with depth at all sites. PAHs were the most abundant PACs, with a mean concentration of 6640.7 µg/kg, followed by oxygenated PAHs (mean 156.3 µg/kg) and nitrated PAHs (mean 33.4 µg/kg). PAHs are mainly low molecular weight PACs such as naphthalene, fluorene and phenanthrene, while derivatives of PAHs are all low molecular weight PACs and mainly oxygenated PAHs. Low molecular weight PAHs were an important source of

dPAHs under specific conditions. The bacterial community structure showed higher bacterial diversity and lower bacterial richness in shallow soil (2–6 m in depth) than in deep soil (8–10 m in depth). Spearman's analysis confirmed that dramatic bacterial community shifts are a response to contamination. At the genus level, the presence of PACs highly selected for *Pseudomonas*, belonging to Proteobacteria. Moreover, functional predictions based on Tax4Fun revealed that soil with long-term contamination had a strong potential for PAC degradation. In addition, statistical analysis showed that oxidation-reduction potential (Eh) was closely related to variations of bacterial community composition and function. Finally, *Ramlibacter*, *Pseudomonas*, *Pseudonocardia*, c_MB-A2-108, f_Amb-16S-1323, and *Qipengyuania* were identified by cooccurrence network analysis as keystone taxa contributing to the maintenance of bacterial ecological function. Together, our results provide evidence of tight bacterial effects of PAHs and dPAHs and a more complete understanding of the fate of PACs in deep contaminated soils.

46. INTEGRATIVE DESCRIPTION OF CHANGES OCCURRING ON ZEBRAFISH EMBRYOS EXPOSED TO WATER-SOLUBLE CRUDE OIL COMPONENTS AND ITS MIXTURE WITH A CHEMICAL SURFACTANT,

González-Penagos, C.E., Zamora-Briseño, J.A., Améndola-Pimenta, M., Elizalde-Contreras, J.M., Árcaga-Cabrera, F., Cruz-Quintana, Y., Santana-Piñeros, A.M., Cañizález-Martínez, M.A., Pérez-Vega, J.A., Ruiz-May, E., Rodríguez-Canul, R. (2022) *Toxicology and Applied Pharmacology*, 445, art. no. 116033, DOI: 10.1016/j.taap.2022.116033

ABSTRACT: The effects of crude oil spills are an ongoing problem for wildlife and human health in both marine and freshwater aquatic environments. Bioassays of model organisms are a convenient way to assess the potential risks of the substances involved in oil spills. Zebrafish embryos (ZFE) are a useful to reach a fast and detailed description of the toxicity of the pollutants, including both the components of the crude oil itself and substances that are commonly used for crude oil spill mitigation (e.g. surfactants). Here, we evaluated the survival rate, as well as histological, morphological, and proteomic changes in ZFE exposed to Water Accumulated Fraction (WAF) of light crude oil and in mixture with Dioctyl Sulfosuccinate Sodium (DOSS, e.g. CEWAF: Chemically Enhanced WAF), a surfactant that is frequently used in chemical dispersant formulations. Furthermore, we compared the hydrocarbon concentration of WAF and CEWAF of the sublethal dilution. In histological, morphological, and gene expression variables, the ZFE exposed to WAF showed less changes than those exposed to CEWAF. Proteomic changes were more dramatic in ZFE exposed to WAF, with important alterations in spliceosomal and ribosomal proteins, as well as proteins related to eye and retinal photoreceptor development and heart function. We also found that the concentration of high molecular weight hydrocarbons in water was slightly higher in presence of DOSS, but the low molecular weight hydrocarbons concentration was higher in WAF. These results provide an important starting point for identifying useful crude-oil exposure biomarkers in fish species.

47. MONITORING OF OIL SPILL IN THE OFFSHORE ZONE OF THE NILE DELTA USING SENTINEL DATA,

Abou Samra, R.M., Ali, R.R. (2022) *Marine Pollution Bulletin*, 179, art. no. 113718, DOI: 10.1016/j.marpolbul.2022.113718

ABSTRACT: This study aims to monitor and map the oil spills which occurred from 2019 to 2021 along the northeastern portion of the Nile Delta using Sentinel-1 (SAR) and Sentinel-2 (MSI) data. The examination of VV polarized SAR-C images displayed the presence of the oil spills as dark spots of different sizes. These images were processed using the oil spills detection model in SNAP Toolbox. The oceanographic parameters that may influence the dispersal of oil spills were mapped using GIS technique. This study identified 29 oil spills during the study period in the research area. The largest spill was detected on February 23, 2019, and covered an area of about 10.5 km². The band ratios and decorrelation stretch methods of available Sentinel-2 data confirmed the results of SAR-C data. The accuracy assessment of spills was achieved using Parallelepiped supervised classification model. The results demonstrated that the overall accuracy (OA) and Kappa coefficient (KC) for seawater, land, and oil spills classes were between 86% and 98% and 0.73% and 0.97%, respectively. The sensitivity zone of oil spills was higher in winter than in summer. This study proved the efficiency of VV polarized data of Sentinel-1 sensor for detection and mapping of oil spills. Several management strategies are needed in the offshore zone of the Nile Delta to limit oil pollution effects on the marine environment.

48. A PROBABILISTIC FRAMEWORK FOR RISK MANAGEMENT AND EMERGENCY DECISION-MAKING OF MARINE OIL SPILL ACCIDENTS,

Li, X., Zhu, Y., Abbassi, R., Chen, G. (2022) *Process Safety and Environmental Protection*, 162, pp. 932-943. DOI: 10.1016/j.psep.2022.04.048

ABSTRACT: Offshore oil spills may pose a severe threat to marine ecological environment. In this paper, a new methodology based on Bayesian network (BN) and Influence Diagram (ID) is developed for risk management and emergency decision-making of marine oil spill accidents. The methodology integrates risk management before accident and emergency response after accident, which can balance risk and cost, and render an optimal decision-making. Marine oil spill scenarios including root causations, intermediate and consequent events are identified and modeled using BN considering the dependencies and multi-state of incident process nodes. The probabilities of offshore oil spill incident and the resulting ecological disasters are estimated. The prevention and mitigation measures marine oil spill incidents are identified and added to BN for developing Bayesian ID model, in which the cost and utility of implementing

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

each safety measure are considered. Bayesian ID model can estimate the cost and utility of all safety strategies, and the optimal risk management and emergency strategy are determined by balancing the cost and utility. A case study of marine oil spill accident due to subsea oil pipeline leak is used to illustrate the methodology. It is observed that the methodology can efficiently support the decision-making of oil and gas sector in risk management and emergency response of offshore oil spill accidents.

49. RESEARCH ON SUNKEN & SUBMERGED OIL DETECTION AND ITS BEHAVIOR PROCESS UNDER THE ACTION OF BREAKING WAVES BASED ON YOLO V4 ALGORITHM,

Fang, S., Mu, L., Jia, S., Liu, K., Liu, D. (2022)
Marine Pollution Bulletin, 179, art. no. 113682,
DOI: 10.1016/j.marpolbul.2022.113682

ABSTRACT: Marine oil spill pollution is one of the most serious marine pollution issues. Aiming at the problems of low accuracy and slow speed in the process of detecting the behavior of sunken and submerged oil by traditional methods, a technology of sunken & submerged oil tracking based on YOLO v4 (YOLO refers to 'you look only once') algorithm is proposed in this paper. The image data used in this study are pictures of real oil pollution moving under breaking waves, and they are collected in the laboratory. First, the YOLO v4 model under CSPDarknet53 framework was established. Then, in order to simplify the oil detection model and ensure the efficiency of the model, this research used Mosaic data enhancement, random flipping, and Gaussian noise fuzzy data enhancement, as well as Cosine Annealing Learning Rate, and Label Smoothing to improve the effect of deep learning model. After data enhancement, the final data set was divided into a training set and a test set proportionally. The training set had 878 pictures, and the test set had 1945 pictures. The test set contained the situation where oil droplets were completely occluded by waves, so that the detection accuracy was closer to the real situation. The results show that the oil droplet is hit and then sunk, forming 'sunken and submerged oil' under the action of breaking waves of wave heights of 10 cm, 15 cm, 20 cm, 25 cm and 30 cm. The submergence time enhances with the increase of wave height of breaking wave, that is, the residence time of oil droplet for 10 cm, 15 cm, 20 cm, 25 cm and 30 cm breaking waves is 2.32 s, 2.52 s, 2.62 s, 3.20s, 7.12 s, respectively. The deepest position of oil droplet under the water for 10 cm, 15 cm, 20 cm, 25 cm and 30 cm breaking waves is 0.165 m, 0.179 m, 0.226 m, 0.297 m, 0.428 m, respectively. However, the drift velocity and sinking velocity of oil droplet show nonlinear variation. The speed of sinking to the deepest is 0.208 m/s, 0.222 m/s, 0.212 m/s, 0.359 m/s, 0.303 m/s, respectively.

TRAINING COURSES

USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- EUROPE – EMSA Academy 2022. [Courses Catalogue](#)
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2022 calendar](#).
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)
- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL <https://www.tamucc.edu/research/nscs/>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>
- USA – ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS - https://www.ahmpnet.org/events/event_list.asp

Members who would like to be listed here, please contact your editor – john.mcmurtrie@spillcontrol.org

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

Recently added to the Upcoming Events page – UN Stockholm +50 Meeting, 2nd to 3rd June, 2022, Stockholm, Sweden

UPCOMING WEBINARS & PODCASTS

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John.mcmurtrie@spillcontrol.org

From ISCO Member, HalenHardy - Draining stormwater from secondary containment sumps shouldn't eat up hours of your technician's time. Join us on Wednesday, May 25, 2022 at 10 am EST to learn how to automate this maintenance task with passive oil-water separators that allow clean water to drain while capturing oily sheen and preventing oil and fuel discharges. [More info](#)

Recently added to the Upcoming Webinars Page - ExxonMobil Oil Spill Knowledge Transfer Webinar No.9: Mr David Dickins (D.F. Dickins Associates) will share his extensive experience on Arctic oil spill response, 9th June 2022 10.00 to 11.15 am Houston Time; Interspill Inform Clean Seas Webibar Series - Marine Debris and Plastic Pollution 1400hrs (BST) 31 May; Emerging Pollutants 1400hrs (BST) 8 June; PEMSEA Ocean & Climate Dialogue, 8th June, 9am to 3pm UTC+8.

MESSAGES FROM EVENT ORGANISERS

PAPER SUBMISSION DEADLINE DATES

AUSTRALIA & NEW ZEALAND – ECOFORUM 2022: Deadline extended to May 25, 5pm AEST [More info](#)

CANADA: INTERNATIONAL OIL SPILL SCIENCE CONFERENCE - June 17, 2022. [About IOSSC 2022](#) [Call for Abstracts](#) [Registration](#)

USA: CLEAN GULF CONFERENCE & EXHIBITION – BOOK YOUR EXHIBIT SPACE AT BEFORE WE SELL OUT THE FLOOR! ONLY 25 SPACES LEFT.

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<https://www.interspill.org/about-interspill/registration-information-interspill-2022/>

Conference Programme: <https://www.interspill.org/about-interspill/interspill-conference-highlights/>

ON WATER DEMONSTRATION - As in 2015, Spill Response Holland, SRGH, are organising an onwater demonstration on the River Amstel on the Monday evening. All Exhibitors are invited to take part, and should contact SRGH directly to liaise at info@srgh.nl
<https://www.interspill.org/about-interspill/on-water-demonstration/>

USA: FULL CONFERENCE AGENDA NOW AVAILABLE FOR CLEAN PACIFIC 2022

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CANADA: 44th AMOP TECHNICAL SEMINAR ON ENVIRONMENTAL CONTAMINATION AND RESPONSE

This year's AMOP Technical Seminar on Environmental Contamination and will take place virtually from June 7 to 9, 2022. There will be no registration fees, but will have limited availability.

https://events.myconferencesuite.com/AMOP_44th/reg/landing

or <https://www.canada.ca/en/environment-climate-change/services/science-technology/arctic-marine-oilspill-program/registration-form.html>

Le colloque de l'AMOP sur la contamination de l'environnement et l'intervention de cette année aura lieu virtuellement du 7 au 9 juin 2022. Il n'y aura pas de frais d'inscription, mais les places sont limitées. https://events.myconferencesuite.com/AMOP_44th/reg/landing ou

<https://www.canada.ca/fr/environnement-changement-climatique/services/sciences-technologies/programme-deversements-hydrocarbures-mer-arctique/formulaire-inscription.html>

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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)

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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.

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

JOB VACANCIES



TECHNICAL OFFICER

MARINE ENVIRONMENT DIVISION

Classification Grade P.4

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Date of Issue 28/04/2022

Deadline for Applications 26/05/2022

The Technical Officer will serve as the institutional focal point for all policy and operational matters related to oil/HNS pollution preparedness and response (OPRC/HNS). In this capacity, the Technical Officer will be responsible for oversight and management of joint oil pollution preparedness projects with the petroleum industry (GI), to implement an array of technical capacity building activities worldwide, and to provide concrete technical guidance and assistance in the event of major pollution incidents.

Fixed-term for two years (first year is probationary) with the possibility of further extension, subject to satisfactory performance.

For more information please click on <https://spillcontrol.org/job-vacancies/>



Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC)

The International Maritime Organization (IMO) has published three vacancy positions located within REMPEC, based in Floriana, Malta:

- Project Manager (P2): Under the overall supervision of the Head of Office of REMPEC, and in close collaboration with Programme Officers, the incumbent will perform a variety of technical, programme support and policy functions related to the protection of the Mediterranean Sea against pollution from ships and pollution resulting from offshore exploration activities. The overall objective is to provide programme implementation support for the practical implementation of the Regional Prevention and Emergency Protocol and the Offshore Protocol. Link to the vacancy V.N. 22-09: <https://imo-recruit.azurewebsites.net/vacancies/670>

JOB VACANCIES (CONTINUED)

• Senior Administrative Assistant (G7): Under the direct supervision of the Head of Office, the incumbent will deliver varied and cross-functional tasks including General Administration and Office Management, Contract Administration, and Human Resources oversight and administration. Link to the vacancy V.N. G.S. 21-15: <https://imo-recruit.azurewebsites.net/vacancies/538>

• Project assistant (G4): Under the overall supervision of the Head of Office of REMPEC and the direct supervision of the Project Manager, the incumbent will provide administrative and secretariat support for the day-to-day operation. The overall objective is to assist REMPEC in providing programme implementation support for the practical implementation of the Regional Prevention and Emergency Protocol and the Offshore Protocol. Link to the Vacancy G.S.22-05: <https://imo-recruit.azurewebsites.net/vacancies/663>

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INCIDENT REPORTS

UK: OIL SPILL INTO RIVER CALDEW 'REPAIRED AND FULLY RESOLVED'

May 18 - An 'oil spill' in a Carlisle river has now been 'repaired and fully resolved', a leading manufacturer has now confirmed. The spill, affecting the waters of the River Caldey in Denton Holme, was confirmed by the Environment Agency on May 6. News & Star / [Read more](#)

PAPUA NEW GUINEA: EVALUATION OVER OIL SPILL UNDERWAY

May 19 - Maritime Safety Authority (NMSA) officers are currently on the ground in Kimbe to evaluate and determine the extent of any damages caused by an oil spill on Monday morning.

The officers are from the Authority's Marine Environment Protection department and according to NMSA, a report of the findings will be furnished before the end of this week.

The oil spill incident occurred near the Kimbe main wharf at 3am on Monday, whereby a huge volume of palm oil had reportedly leaked from one of the storage tank and into the sea. Loop PNG / [Read more](#)

HISTORY

THE LONG BLUE LINE: FOUR MINUTES AFTER MIDNIGHT—BLIGH REEF, MURPHY PREFERS MIDNIGHT! By Timothy Arbaugh, United States Coast Guard retired



May 20 – *US Coast Guard Photo* - Four minutes after midnight on March 24, 1989, 11 million gallons of Alaska crude oil, also known as “Black Gold,” was instantly transformed into black death when the supertanker Exxon Valdez grounded upon Bligh Reef. It ripped a huge gash in the steel hull releasing a black death, which soon spread throughout pristine Prince William Sound killing much of its abundant marine life.

The crew at Coast Guard Station Valdez went on red alert. Four hours later, the East Coast was awakened to the horrendous news from their televisions and radios. The blame game commenced almost immediately. Grandstanding politicians hurled fiery darts and the media were demanding a scurvy dog be tied to a yardarm, or so it seemed... [CONTINUE READING THIS ARTICLE](#)

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