

ISCO & THE ISCO NEWSLETTER

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

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

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INTERNATIONAL NEWS

CLICK ON THE BANNERS BELOW FOR MORE INFORMATION ON THE EVENTS FEATURED



JUNE 19-21, 2018
PORTLAND OREGON

Spill prevention and response for oil and hazardous materials in the marine and inland environment

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SPILLCON

20 – 24 May 2019 Perth, Australia

IMO'S KITACK LIM HERALDS NEW GLOBAL OCEAN INSTITUTE



IMO Secretary-General Kitack Lim attended the inauguration of the new maritime and ocean policy research institute at the World Maritime University (WMU) in Malmö, Sweden (8 May).

Mr. Lim, who is also Chancellor of WMU, said that the establishment of the WMU-Sasakawa Global Ocean Institute was of great strategic importance for IMO and, indeed, for all those who seek to advance the global ocean agenda. "The Global Ocean Institute will further WMU's distinguished legacy of educating maritime and oceans leaders who have the knowledge and responsibility to affect change in their home countries and who will contribute to the global conservation and sustainable use of the ocean," Mr. Lim said.

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INTERNATIONAL NEWS (CONTINUED)

Also speaking at the inauguration of the institute were Cleopatra Doumbia-Henry, President, WMU; Mr. Yohei Sasakawa, Chair, Nippon Foundation; and Ms Isabella Lövin, Minister for International Development Cooperation and Climate, and Deputy Prime Minister, Sweden.



The WMU-Sasakawa Global Ocean Institute will provide a space for policy makers, the scientific community, regulators, industry actors, academics, and representatives of civil society to meet to discuss how best to manage and use ocean spaces and their resources for the sustainable development of present and future generations, supported by evidence-based research, educational programmes and capacity building. The institute was established with funding from the Nippon Foundation, supported by the Governments of Canada and Sweden and the city of Malmö.

The Ocean Institute is a concrete response to the United Nations Sustainable Development Goals and in particular Goal 14 - the **Ocean Goal** - that commits governments to "conserve and sustainably use the oceans, seas, and marine resources for sustainable development".

The inauguration was held at the opening of the WMU Global Ocean Conference 2018 (8-9 May). IMO's Stefan Micallef delivered a keynote address, outlining IMO's role in the ocean space and in supporting the sustainable development goals. <http://www.imo.org/EN/Pages/Default.aspx>

NATIONS RALLY TO PROTECT GLOBAL ENVIRONMENT

Close to 30 countries have jointly pledged US\$4.1 billion to the Global Environment Facility (GEF) to better protect the future of the planet and human well-being. With the health of the global environment worsening, the GEF has received strong support for its new four-year investment cycle, (known as GEF-7), to help safeguard the world's forests, land, water, climate, and oceans, build green cities, protect threatened wildlife, and tackle new environmental threats like marine plastic pollution.

"We are pleased with the outcome of the negotiations; It is entirely in line with government priorities," said Isabella Lovin, Deputy Prime Minister and Climate Minister of Sweden, who hosted the donors meeting here today. "Also, the Fund's working methods have been further strengthened, giving it more of a strategic climate focus and increased resources, including for biodiversity, chemicals and waste.

"A clear majority of donors have stepped up their support for the GEF, signaling the urgency of the global environmental agenda, and trust in the GEF to help tackle the problem and achieve even greater results," said Naoko Ishii, GEF CEO and Chairperson. "We need to forge the partnerships that will help transform the food, urban and energy systems in an integrated way. GEF-7 is designed to do just that," she said.

More information on the GEF-7 replenishment: <https://www.thegef.org/events/gef-7-replenishment> Maritime Executive / [Read more](#)

IMPLEMENTATION AGREEMENT ON THE SUB-REGIONAL MARINE OIL POLLUTION CONTINGENCY PLAN SIGNED BY CYPRUS, GREECE AND ISRAEL

May 8 - Cyprus, Greece, and Israel have signed the Implementation Agreement on the Sub-Regional Marine Oil Pollution Contingency Plan. The objective of the Plan is an effective reaction to spills and to facilitate the co-operation among the three countries in the field of oil pollution preparedness and response. The Plan was signed on Tuesday, 8 May along with other instruments for the cooperation among the three countries.

The Heads of State and Government Nicos Anastasiades, President of the Republic of Cyprus; Alexis Tsipras, Prime Minister of the Hellenic Republic; and Benjamin Netanyahu, Prime Minister of the State of Israel), who were meeting in Nicosia for their Fourth Trilateral Summit, were present at the signing ceremony. Their final declaration includes the following reference to the Agreement and expression of appreciation to the Secretariat of the Barcelona Convention:

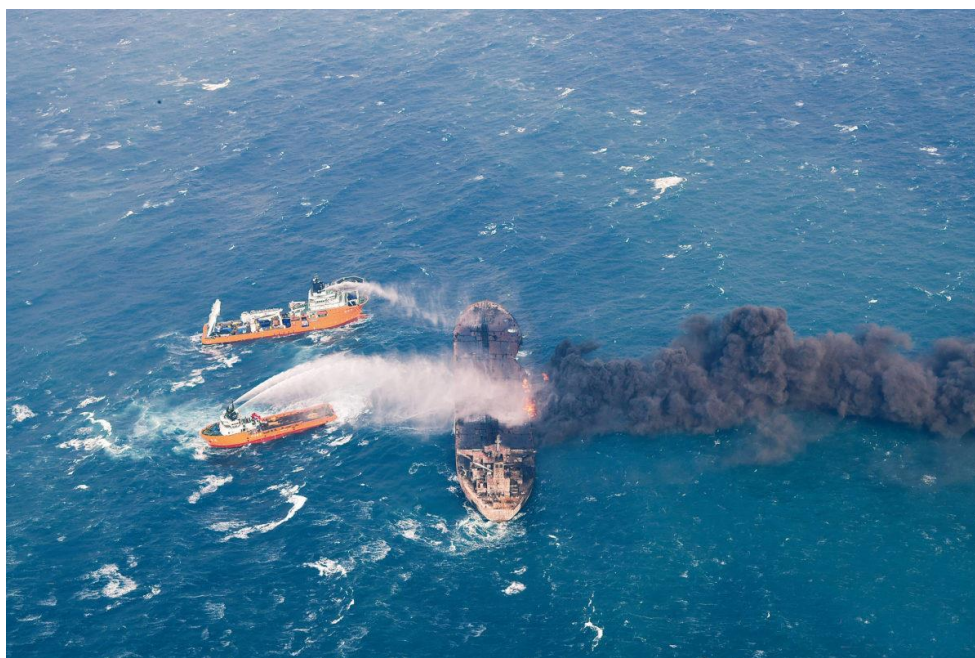
“We welcome today’s meeting of our three competent Ministers and the subsequent signing of the Implementation Agreement on the Sub-regional Marine Oil Pollution Contingency Plan. This constitutes both tangible evidence and reflects our willingness to further enhance and upgrade our cooperation in a proactive manner. In this regard, we acknowledge and welcome the presence today of the representative of the Barcelona Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean and express our appreciation for the invaluable support given by its Secretariat for the preparation of the aforementioned Agreement.”

Mr. Gaetano Leone, Coordinator of the UN Environment / Mediterranean Action Plan, who attended the signing ceremony, noted his appreciation of this important development of sub-regional cooperation in the context of the UN Environment/Mediterranean Action Plan (MAP)-Barcelona Convention, which is dedicated to continuing to provide support, building capacity to respond to oil spills, and sharing the experiences and lessons learned across the Mediterranean region.

The Sub-Regional Marine Oil Pollution Contingency Plan between Cyprus, Greece, and Israel has been prepared in the framework of the MAP-Barcelona Convention system with the leadership and support of the Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea (REMPEC), one of the Regional Activity Centers of the MAP system, jointly established by UN Environment and the International Maritime Organization in 1976.

Through the Plan and the cooperation activities that have led to its signing, the three countries have strengthened the regional response mechanism established under REMPEC. This is a product of the Joint Declaration of Intent on Cooperation in the Field of Environmental Protection, signed by the Ministers of Cyprus, Greece and Israel in April 2016. This Declaration, with the first priority focusing on pollution from hydrocarbons in the Mediterranean, emphasises the political will to strengthen cooperation between the three countries in the field of preparedness and response to marine pollution, taking into account the increasing risks in the south-eastern Mediterranean region. REMPEC / [Read more](#)

SPLIT VERDICT OVER ‘SANCHI’ TANKER COLLISION WITH CHINESE FREIGHTER - IRAN TV



Rescue ships work to extinguish the fire on the Panama-registered Sanchi tanker carrying Iranian oil, which went ablaze after a collision with a Chinese freight ship in the East China Sea, in this January 10, 2018 picture provided by China’s Ministry of Transport and released by China Daily. China Daily via REUTERS

INTERNATIONAL NEWS (CONTINUED)

May 5 - A committee investigating a collision between an Iranian tanker and a Chinese freighter has come to diverging conclusions over the causes of the worst oil ship disaster in decades, Iran's state television reported on Saturday.

The Panama-registered Sanchi, run by Iran's top oil shipping operator NITC, collided with the CF Crystal, registered in Hong Kong, off the coast of China near Shanghai and the mouth of the Yangtze River Delta on Jan. 6.

The Sanchi sank on Jan. 14 after burning for several days. The entire crew of 30 Iranians and two Bangladeshis, are presumed dead.

"(Representatives of) China and Hong Kong believe that both vessels were to blame, but Iran, Panama and Bangladesh see the veering to the right by the Crystal as the cause of the disaster," Iran's state TV quoted Nader Pasandeh, the country's representative on the investigating committee, as saying.

Pasandeh later told the television that a court will likely have to rule in the case. gCaptain / [Read more](#)

EMERGENCY SPILL RESPONSE MARKET GROWTH FACTORS, INDUSTRY OVERVIEW, PRODUCT TYPES AND APPLICATION BY REGIONAL ANALYSIS & FORECAST TO 2022

May 10 - The Emergency Spill Response Market report is source of key information about the Market, including invaluable facts and figures, expert opinions, and the latest developments across the globe. The Emergency Spill Response Market Report discuss about recent product innovations and gives an overview on potential regional market shares. The Report also calculate the market size, the report considers the revenue generated from the sales of This Report and technologies by various application segments.

Global Emergency Spill Response market competition by top manufacturers/players, with Emergency Spill Response sales volume, Price (USD/Unit), revenue (Million USD), Players/Suppliers Profiles and Sales Data, Company Basic Information, Manufacturing Base and Competitors and market share for each manufacturer/player; the top players including: Oil Spill Response Limited, Marine Well Containment Company, Polyeco Group, Vikoma International, Desmi A/S, Veolia Environmental, Clean Harbors, US Ecology, Adler and Allan, Markleen. Financial Consulting / [Read more](#)

TEMPORARY MOVE FOR INTERTANKO'S SINGAPORE OFFICE

May 11 - INTERTANKO will be moving out to a temporary office and our new address with effect from 1 June 2018 is: 9 Temasek Boulevard #09-01 Suntec City Tower 2, Singapore 038989 Contact numbers and emails remain unchanged.

<https://www.intertanko.com/>

INCIDENT REPORTS (IN CHRONOLOGICAL ORDER)

USA: PENNSYLVANIA - OIL SPILL REPORTED IN MACUNGIE'S SWABIA CREEK

May 2 - Lehigh County, state and local officials were dispatched to Swabia Creek in Macungie on Tuesday night on a report of an oil spill into the creek. Macungie police Sgt. Travis Kocher, the acting chief, said environmental officials are investigating.

"Preliminary reports from personnel on scene suggest that the creek waters in that area may have suffered an exposure from an outside foreign source," Kocher said.

"Several agencies were deployed and are on scene to investigate the event." The Morning Call / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

USA: LOUISIANA - CITGO RESPONDS TO OIL SPILL IN CALCASIEU RIVER

May 3 - After the early Tuesday morning [oil spill into the Calcasieu River](#) near CITGO, the company has released a statement.

"The leak that occurred at CITGO yesterday, May 1, has been secured and cleanup is complete," says CITGO Vice President and General Manager Jerry Dunn. "The impacted area has been cleared for normal operations by regulatory agencies." KPLC / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

USA: ALASKA - STATE INVESTIGATING RELEASE OF 7,000 GALLONS OF GASOLINE AT SCAMMON BAY TANK FARM

May 4 - Seven thousand gallons of gasoline were released into a secondary containment vessel at a gasoline tank farm in Scammon Bay -- some of which may have escaped and migrated into the Kun River over a two week period in April, according to the Alaska Department of Environmental Conservation.

The cause of the release from the main tank into the secondary containment remains under investigation. ADEC says mixed water and gasoline were likely pumped over the side of the secondary containment by the tank farm operator, and an unknown amount of fuel may still be under snow and ice inside the containment vessel and in the area between the tank farm and an unnamed creek. KTUU / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

INCIDENT REPORTS (IN CHRONOLOGICAL ORDER)

CANADA: BRITISH COLUMBIA - CHEMICAL SPILL CULLS FISH POPULATION IN 'MAJOR TRAGEDY'

May 7 - Investigators are looking into incidents of dead fish found in three North Shore creeks in West Vancouver. Officials believe the fish died after being exposed to a chemical spill. In one of the affected creeks, officials believe the spill caused an extinction of a local population of cutthroat trout.

Investigators are looking into incidents of dead fish found in three North Shore creeks in West Vancouver. Officials believe the fish died after being exposed to a chemical spill. Insurance Business / [Read more](#)

KOREA: JAPANESE TANKER FIRE IN TSUSHIMA STRAIT

May 8 - Product tanker SUNNY ORION reported fire on board at 0910 Seoul time (UTC +9) May 8 in Tsushima Strait, some 55 nm south of Busan, Korea. Tanker with 4700 tons of xylene, highly flammable and toxic liquid is en route from Hong Kong to Ulsan. In about 20 minutes fire, which erupted in an empty cargo tank, was extinguished, according to Master's report. Maritime Bulletin / [Read more](#)

CANADA: ONTARIO - FUEL SPILL IN BALSAM LAKE PROMPTS DRINKING WATER WARNING

May 8 - A fuel spill in Balsam Lake in the City of Kawartha Lakes has prompted a warning from health officials to not drink water in the southern part of the lake. The Ontario Ministry of the Environment and Climate Change is monitoring the situation as clean-up efforts continue. Global News / [Read more](#)

NEWS REPORTS FROM AROUND THE WORLD (COUNTRIES LISTED IN ALPABETICAL ORDER)

CANADA: MANITOBA - SWAN LAKE PROTESTER SHIFTS FOCUS TO MAKING OIL PIPELINES SAFER

May 6 - Gerald Scott's perspective has shifted since he spent 10 days on the Standing Rock Sioux reservation in North Dakota which — until early last year — was the site of months of high-profile protests against the Dakota Access oil pipeline. Scott, who is from the Swan Lake First Nation in Manitoba, wanted to take a stand against what he saw as trampling of Indigenous rights. "I'm a warrior by nature. I'm a warrior by heart."

Scott has since focused his fight on making pipelines safer. More than a year after Standing Rock, he was one of 60 Indigenous people from Western Canada to complete a three-week pipeline monitoring program at SAIT Polytechnic in Calgary.

The course, a pilot project, delved into inspection techniques, pipeline operations and safety — all through an Indigenous lens. With the classroom portion complete, trainees will embark on either a research project with an industry mentor or a work placement. Some students will train this summer with a dog handler to learn how potential leaks can be sniffed out.

Armed with his new knowledge, Scott says he can better represent his First Nation's interests in talks with his employer, Calgary-based pipeline giant Enbridge Inc. The company's extensive Line 3 project crosses Swan Lake land, and knowing what specific inspections and maintenance work to demand could be helpful. "Now I'm still a warrior, but I just want the best deal for people."

Scott started working for Enbridge as a digger, but has more recently acted as a community liaison. The company encouraged him to take the monitoring course and he's hoping for a pipeline safety career that will allow him to stay close to home. CBC / [Read more](#) [Thanks to Bill Hazel, MPC]

CANADA: YOUR SMARTPHONE IS ABOUT TO GET SMARTER

May 7 - Canadians no longer have to be near a television or radio to receive emergency alerts from Alert Ready, Canada's National Public Alerting System. Life-threatening emergencies such as a flash flood, forest fire or chemical spill, will be broadcasted on compatible mobile smartphones in which officials can send a localized text warning directly to mobile devices.

For more information visit us on Twitter [@SaultFire](#), Facebook [@SaultFireServices](#) or [saultsternie.ca/getprepared](#). Sootoday / [Read more](#)

CANADA: UNDER CHRISTY CLARK, B.C. URGED OTTAWA TO FIX 'SAFETY GAPS' IN CASE OF KINDER MORGAN EMERGENCY

May 10 - The former B.C. government of Christy Clark pressed Ottawa early in 2016 to fix 11 "marine safety gaps" in case of an emergency surrounding the Kinder Morgan Trans Mountain pipeline and oil tanker expansion project, reveal internal briefing notes obtained by National Observer. If built, the Kinder Morgan project would multiply oil tanker traffic by seven times in the Burrard Inlet near Metro Vancouver, and off the Pacific Ocean coast.

In the picture: Former B.C. premier Christy Clark speaks to delegates at the Manning Networking Conference in Ottawa on Feb. 10, 2018. File photo by Alex Tétreault

But the project has been mired in uncertainty in recent weeks due to opposition in B.C., including efforts led by the new NDP government of Premier John Horgan to restrict the transportation of bitumen, the tar-like heavy oil from Alberta that would be shipped on the new pipeline.

Kinder Morgan has threatened to cancel the project by May 31 if it can't resolve its differences with all of the stakeholders involved. But both the Alberta and federal government have been negotiating a financial deal to bail out the oilpatch project with taxpayer money.

Many of the points raised in the newly-released briefing notes, including concerns about spill prevention and response times, remain a priority of the Horgan government, as well as many First Nations and other opponents along the pipeline route and the coast.

Federal ministers have said in recent weeks that they have introduced policies to close gaps and ensure the oil expansion project will be safe. The office of Environment and Climate Change Minister Catherine McKenna, for example, has noted that there is "significant" research by federal experts in this area.

"There are no gaps in the science that hinder our confidence in the decision we have made regarding the safety of this project," McKenna's spokeswoman Caroline Thériault said in an email to National Observer. National Observer / [Read more](#)



DENMARK : STENA OIL EXPANDS IN COLLABORATION WITH THE PORT OF FREDERIKSHAVN: NEW MARINE FUEL TERMINAL TO BE ADAPTED FOR THE NEW SULPHUR DIRECTIVE 2020

May 5 - One of the purposes of the new terminal will be to collect slops (water used to clean oil tanks), leading to improved customer service. Several services can be carried out simultaneously – reducing transportation and turnaround times. The boat that supplies fuel can carry slops back to the terminal where they are pumped into tanks and cleaned in an environmentally sound process. Handling slops is carried out in collaboration with Stena Oil's sister company, Stena Recycling A/S.

The new terminal will also provide a base for Stena Oil's EMSA (European Maritime Safety Agency) work. Under this collaboration, Stena Oil provides rapid response ships and equipment for oil spill cleaning in Scandinavian waters. With equipment in Frederikshavn, Stena Oil can respond more quickly to oil spills in the busy waters of Skagerrak. Hellenic Shipping News / [Read more](#)

EQUATORIAL GUINEA: STRENGTHENING OIL SPILL RESPONSE



May 5 - Emergency preparedness and response in the oil and gas sector was at the core of a workshop held in Malabo, Equatorial Guinea (7-10 May). The aim of the workshop was to strengthen the country's capacity to prepare for and respond to marine pollution from oil spills.

This workshop follows on from a series of

events developed with the Republic of Equatorial Guinea with a view to making recommendations to improve the national preparedness and response system in the country, including a more robust national oil spill contingency plan. The course also focus on the International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC), which deals with pollution incidents, either nationally or in cooperation with other countries.

The workshop was organized under the auspices of the Global Initiative for West, Central and Southern Africa (GI WACAF) – a joint IMO-[IPIECA](#) project. The event brought together over forty representatives from different ministries, public agencies and the private sector involved with the country's national preparation and response system.

IMO's Julien Favier of the GI WACAF project and a team of consultants facilitated the event, which was hosted by Ministry of Transport, Posts and Telecommunications. <http://www.imo.org/EN/Pages/Default.aspx>

HONDURAS: UPDATE ON OIL SPILL RESPONSE REQUIREMENTS (INCLUDING ADOPTION OF BIMCO-ISCO RESPONSECON EMERGENCY RESPONSE CONTRACT)

May 9 - Subsequent to a publication last December by the International Group on new oil spill response requirements in Honduras, a circular issued by the Honduras General Director of Merchant Marine on April 25th has stated that the deadline for compliance for ships calling at Puerto Cortés is now May 26th 2018.

The new oil spill response requirements apply to both tank and non-tank vessels.

All vessels must nominate an oil spill response organisation (OSRO) which has been approved by the Authority to secure the availability of private personnel and equipment necessary to remove, to the maximum extent practicable, a worst-case discharge, and to mitigate or prevent a substantial threat of such a discharge.

Only one such OSRO currently exists, that being Ocean Pollution Control SA Honduras, which has agreed to contract on an unamended RESPONSECON form — the standard industry contract developed by BIMCO/ISCO for the hire of specialized spill response services and equipment in the event of an incident in international waters outside the US – in the event of a spill. The terms and conditions conform to International Group's guidelines for vessel response plan contracts.

The Honduras Maritime Authority has confirmed that an IG Club's Certificate of Entry is sufficient evidence of insurance to cover the liability of the registered owner for pollution damage for all vessels calling at Honduran ports or requesting anchorage within Honduran waters. This is required to be submitted to Port State Control officials at least 24 hours prior to the vessel's arrival together with, for CLC tankers, the vessel's State Certificate issued in accordance with the International Convention on Civil Liability for Oil Pollution Damage.

The shipowner will also need to arrange via their local ship's agent in Honduras a standby contract — Certificate of Coverage for marine pollution response issued by Ocean Pollution Control SA Honduras. Insurance Marine News / [Source Document](#)

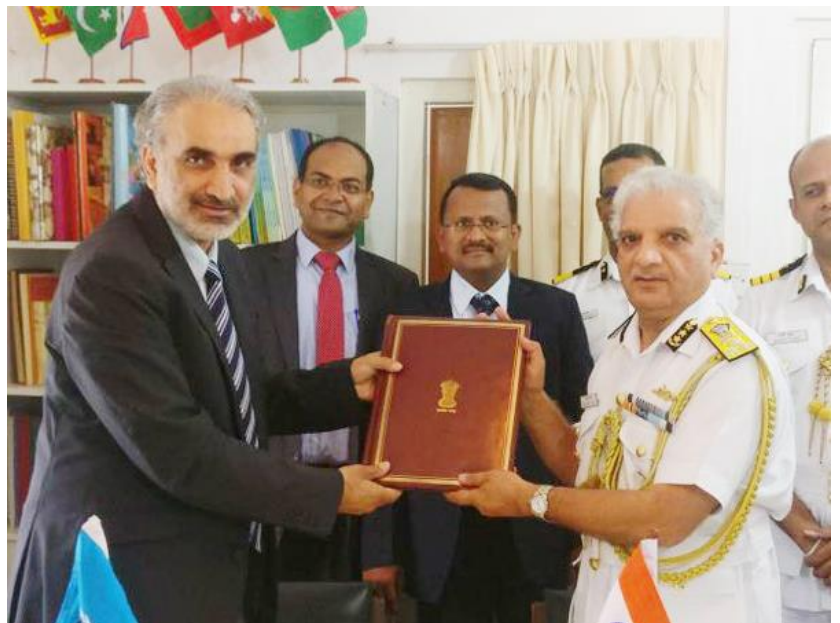
INDIA OKAYS MOU TO TACKLE OIL SPILLS

May 12 - The Union Cabinet chaired by Prime Minister Narendra Modi on Wednesday approved a Memorandum of Understanding (MoU) between India and South Asian Cooperative Environment Programme (SACEP) for co-operation on the response to oil and chemical pollution in the South Asian seas in Sri Lanka's capital, Colombo.

The MoU intends to promote closer cooperation between India and other maritime nations comprising the South Asian seas region namely Bangladesh, Maldives, Pakistan and Sri Lanka for protection and preservation of the marine environment in the region.

Indian Coast Guard on behalf of the centre will be responsible for cooperation and respond to all incidents of oil and chemical pollution in South Asian Seas Region as and when assistance is requested by the member state during a spill.

The SACEP jointly with the International Maritime Organisation (IMO) developed a "Regional Oil Spill Contingency Plan" in 1989 to facilitate international co-operation and mutual assistance in preparing for and responding to a major oil pollution incident in the seas around the Maritime States of Bangladesh, India, Maldives, Pakistan and Sri Lanka. (ANI). ANI News / [Read more](#)



UK: 40 YEARS ON FROM MARITIME DISASTER THAT HIT OUR COASTLINE

May 7 - It's the 40 year anniversary of a maritime disaster that struck the Norfolk coast.

The Greek Eleni V oil tanker got into difficulties and capsized after colliding with the French owned Roseline in thick fog in May 1978.

The tanker was sliced in two. The larger stern section stayed afloat and was towed back to Rotterdam where it had sailed from. The bow section was almost totally submerged.

It contained three thousand tons of oil which began to spill into the sea.

For more than three weeks there were discussions over what should happen to the hull. It was towed further out to sea off Lowestoft where Navy divers attached thousands of pounds of explosives and blew it up.

ITV / [Read more and watch video](#)

UK: MCA - OIL POLLUTION RESPONSE - BEACH SUPERVISOR COURSE



May 11 - The MCA will provide 6 Beach Supervisor courses in the financial year commencing April 2018. These courses are held at the request of individual or neighbouring authorities at local authority venues. The course aims to provide local authority staff, and other government agency staff, with an overview of the technical approaches to shoreline clean up, as well as the management framework for responding to an oil pollution incident.

Who should attend? The course is designed for local authority staff and their contractors who have a role to play in supervising and undertaking shoreline clean-up operations.

Course Content - A typical programme for this training will consist of one day in the classroom followed by a one-day practical session. The topics covered are: ▪ The Role of Beachmaster ▪ Local Authority Response ▪ Problems of Oil Spill Response ▪ Methods of Response - Booming ▪ Methods of Response - Inshore Recovery ▪ Methods of Response - Shoreline Clean-up ▪ Scenarios ▪ Health and Safety ▪ The Management of Oily Waste ▪ Booming Validation ▪ Equipment Demonstration ▪ Beachmaster Exercise. MCA / [More info](#)



USA: WHAT IS OPA 1990?

May 6 - On March 24, 1989, Exxon Valdez, an oil tanker, struck a reef while traversing through Prince William Sound and spilled nearly 11 million gallons of crude oil into the surrounding Alaskan waters. To date, this is one of the most catastrophic oil spills in human history, but it did lead to some impactful legal reform.

Congress voted to pass the Oil Pollution Act (OPA) in 1990 shortly after the spill. The Oil Pollution Act amended the Federal Water Pollution Control Act and outlines how companies are required to prevent, respond to, and pay for oil spills.

Prior to the Oil Pollution Act, the average discharge from tankers carrying oil in U.S. waters was about 70,000 barrels. After OPA was implemented, the federal government's efficiency in cleaning up oil spills drastically improved.

What is the Oil Pollution Act? - The Oil Pollution Act placed additional restrictions on companies that ship oil in the United States. A responsible party under OPA is the vessel or facility that's found responsible for discharging oil, or that has created a significant threat of oil discharge. A ship or facility carrying oil must provide documentation showing how they plan on preventing an oil spill. Additionally, the party must have a comprehensive emergency response plan on board or on site that details how a spill will be cleaned up if it does occur. Documentation needs to be approved by the U.S. Coast Guard before a vessel can embark on its route or a facility can handle the movement of oil.

OPA also mandated a double hull requirement for U.S. operating tank barges and newly built tankers. The act created a phase-out schedule for existing tankers; single hull tankers began being phased out in 1995.

Additionally, OPA established the U.S. Coast Guard as the group responsible for enforcing the act. The Coast Guard is supposed to consistently enforce the law, encourage related businesses and communities to comply with OPA, use resources effectively that will help with the enforcement of OPA, and must train their personnel on the best ways to handle all OPA-related queries and situations.

Lastly, the Oil Spill Liability Trust Fund (OSLTF) was authorized under OPA, even though the fund was originally established in 1986. It's financed by a crude oil tax on barrels produced within or imported to the U.S. and can distribute up to one billion dollars per incident. The fund was created to compensate the victims of oil spills and is managed by the federal government.

gCaptain / [Continue reading](#)

USA: SEA GRANT TEAM RELEASES PAIR OF PUBLICATIONS DETAILING DEEPWATER HORIZON OIL FATE

May 7 - The Sea Grant oil spill outreach team has produced two new publications outlining what scientists know about the fate of that oil in the Gulf of Mexico environment.

Those documents, Where did the oil go? A Deepwater Horizon fact sheet and Microbes and Oil: What's the connection? Both can be viewed and downloaded at <https://gulfseagrant.org/oilspilloutreach/publications/> [Thanks to NOAA OR&R]

USA: SHORT-RANGE DRONES FOR THE MARITIME ENVIRONMENT



May 8 - The Coast Guard “sees a clear opportunity to perform many of its missions faster, cheaper and more safely through the use of short-range unmanned aircraft systems,” according to Lt. Cmdr. Ryan Lampe, short-range UAS platform manager in the service's Office of Aviation Forces. But exactly what are the risks, benefits and limitations of operating this technology in a maritime environment? The Research, Development, Test and Evaluation Program has partnered with the Department of Homeland Security Science and Technology Directorate to get those answers.

Picture on left - Coast Guard personnel launch an AeroVironment drone called Puma All Environment from a response boat-medium during recent short-range unmanned aircraft system demonstrations at Singing River Island in Mississippi.

The Coast Guard Research and Development Center has been evaluating short-range, hand-launched UAS for several years under its Robotic Aircraft Sensor Program for the Maritime Environment (RASP-M). Researchers have evaluated short-range UAS in realistic maritime security, first responder and pollution response scenarios. The lessons learned are being used to develop concept of operations for Coast Guard-specific missions.

To aid DHS components in their quest to incorporate the usage of drones into their missions, DHS S&T officials established both land- and maritime-based evaluation and training sites for DHS components to use. S&T partnered with the Army National Guard to use Camp Shelby, Mississippi, for land-based demonstrations. A partnership was also established with Mississippi State University to gain exclusive access to Singing River Island for maritime evaluation of drones. The Maritime Executive / [Continue reading](#)

PEOPLE IN THE NEWS

USA: POOJITHA YAPA TO BE NAMED PROFESSOR EMERITUS AT CLARKSON UNIVERSITY



May 9 - Clarkson University Professor of Civil & Environmental Engineering Poojitha D. Yapa will be named professor emeritus at Clarkson University's spring 2018 Commencement on May 12. He will be honored for exemplary service to the University.

Yapa has served as a faculty member at Clarkson University for 34 years

His research has focused on environmental hydraulics problems, covering fundamental development and modeling in various aspects of oil and gas releases to the environment, geothermal fluid releases in the deep ocean, and carbon dioxide releases in the deep ocean.

He single-handedly developed research programs in surface oil spill modeling, oil spreading in ice-covered conditions, models for deepwater blowouts consisting of oil and gas, and models for other deepwater problems, such as geothermal releases, CO2 storage releases, and ecological problems due to manganese mining.

Yapa and his students developed the well-known CDOG (comprehensive deepwater oil and gas) blowout model and the model to simulate METHANE GAs in DEEPwater (MEGADEEP). He was also the first to use a phenomenological approach to calculate oil droplet sizes (OILDROPLETS model), an approach that is now widely used by others.

The U.S. government sought Yapa's help during the Deepwater Horizon (DWH) accident in the Gulf of Mexico, to do real-time simulations using the CDOG model. He also served as a member of the Flow Rate Task Group (FRTG) that calculated the oil discharge rate in DWH. For his services, Yapa received the U.S. Geological Survey (USGS) Director's Award for exemplary services to the nation (in 2010) for the work he did during the spill response. He also was the chair of two oil spill task groups in two professional organizations respectively: for American Society of Civil Engineers and International Association for Hydro-Environment Research. Clarkson / [Read more](#)

SINGAPORE: ELFIAN HARUN JOINS INTERTANKO'S SINGAPORE TEAM



May 11 - INTERTANKO's Singapore team was joined this week by Elfian Harun. Taking on the role of Environment Manager, Elfian will be focusing on issues relating to emissions to water and other technical and environmental matters that INTERTANKO is working on as part of our Strategic Work Plan.

Elfian was previously the leader of the team that regulates and promotes Singapore's bunkering industry and is no stranger to the industry. He joins the organization with a deep understanding of and experience with marine issues and will be a great asset to the Secretariat as it steps up support to our Members.

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SCIENCE & TECHNOLOGY

LEARNING FROM NATURE: SCIENTISTS CREATE NEW MATERIAL INSPIRED BY LEAVES TO SEPARATE OIL FROM WATER FOR CLEANING UP OIL SPILLS

May 8 - Scientists have developed 3-D printed solutions to solve one of the most devastating man-made disasters. They looked at leaf structure to create a material that can separate oil and water, which has potential applications in safer and more efficient oil spill clean-up methods.

The researchers used 3D printing to mimic a biological phenomenon in leaves called "Salvinia effect," which enables leaves to be ultra hydrophobic, or highly resistant to water, and retain a surrounding air pocket when submerged in water due to water-resistant hairs. Their study focused on an aquatic fern native to southeastern Brazil called *Salvinia molesta*.

The research team believes that the plant's adaptation allowed this phenomenon. "I think the reason the plant's surface is superhydrophobic is because it lives on the water and requires air to survive," Yang Yang, a postdoctoral researcher on Chen's team, said.

The leaf hairs were found to be aligned in a structure that resembled a whisk or egg-beater, which the scientists explained is what gives the leaf surface its superhydrophobic property.

The scientists then successfully mimicked this egg-beater microstructure in samples made from plastic and carbon nanotubes, using a method called immersed surface accumulation 3-D printing (ISA-3D printing). The method allowed the team to demonstrate the fabrication of a material with both superhydrophobic and oleophilic (oil-absorbing) properties that, when combined, can be capable of highly efficient oil and water separation. [Natural News / Read more](#)

Story Source: [Materials](#) provided by [University of Southern California](#).

Journal Reference: Yang Yang, Xiangjia Li, Xuan Zheng, Zeyu Chen, Qifa Zhou, Yong Chen. **3D-Printed Biomimetic Super-Hydrophobic Structure for Microdroplet Manipulation and Oil/Water Separation**. *Advanced Materials*, 2018; 30 (9): 1704912 DOI: [10.1002/adma.201704912](https://doi.org/10.1002/adma.201704912)

LINKS FOR DOWNLOADING & READING OTHER PUBLICATIONS

<p>Alga Cronicle AMSA Aboard ATRAC Newsletter Newsletter from George Holliday Bow Wave Cedre Newsletter CROIERG Enews EMSA Newsletter EUROWA Newsletter IMO News Magazine IMO Publishing News Intertanko Weekly News JOIFF "The Catalyst" Maritime Executive Magazine MOIG Newsletter NOWPAP Quarterly NOAA OR&R Ocean Orbit OCIMF Newsletter</p>	<p>News from Australia on Contaminated Land Remediation News from the Australian Maritime Safety Authority News from the Adriatic Training and Research Centre News and commentary on HSE issues from George Holliday Sam Ignarski's Ezine on Marine & Transport Matters News from Cedre in Brittany, France Canberra & Regions Oil Industry Emergency Response Group News from the European Maritime Safety Agency European Oiled Wildlife Response Assistance Module News from the International Maritime Organization New and forthcoming IMO publications International news for the oil tanker community Int'l Organisation for Industrial Hazard Management Often contains articles of interest to the spill response community News from the Mediterranean Oil Industry Group News from the North West Pacific Action Plan Weekly round-up of news from NOAA's Office of Response & Restoration Newsletter from the International Tanker Owners Pollution Federation News from the Oil Companies International Marine Forum</p>	<p>February 2018 December 2017 April 2018 issue On request email Current issue February 2018 October 2017 April 2018 issue October 2017 Spring 2018 issue April 2018 May 11, 2018 Q2 2018 issue March-April, 2018 April 2018 issue Quarter 2, 2017 May 11, 2018 August 2017 April 2018</p>
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LINKS FOR DOWNLOADING & READING OTHER PUBLICATIONS (CONTINUED)

PEMSEA E-Updates	Healthy oceans, people and economies in the East Asian Seas	April, 2018
Pollution Online Newsletter	News for pollution prevention & control professionals	May 9, 2018
Safe Seas, Clean Seas	Quarterly Newsletter from Maritime New Zealand	August 2017 issue
Salvage World	Quarterly Newsletter of the International Salvage Union	Current issue
Sea Alarm Foundation Newsletter	Oiled wildlife Preparedness and Response news from Sea Alarm	Spring 2018 issue
Spill Alert	Newsletter from the UK Spill Association	December 2017
Technology Innovation News Survey	News from US EPA – Contaminated Site Decontamination	March 1-15, 2018
Transport Canada Newsletter	News and articles re transport of dangerous goods in Canada	June 2017 issue
USA EPA Tech Direct	Remediation of contaminated soil and groundwater	May 1, 2018

Your editor depends on regular receipt of updated links for listed publications. If these are not received, relevant entries may be discontinued

EVENTS

Towards the end of each month the ISCO Newsletter publishes a round-up describing events taking place in the following two months. Every week a Summary of Upcoming Events during the next 12 months is published in the ISCO Newsletter. Requests for inclusion of new entries should be sent to the Editor.

UPCOMING EVENTS SUMMARY

COUNTRY	2018	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
UK	May 15	IMO 70 High Level Forum	London
BELGIUM	May 16-17	European Environmental Ports Conference 2018	Antwerp
USA	May 22-24	Inland Boom Shop 2018 (Hands-on Training)	Carmi, IL
UK	May 23-24	HAZMAT 2018	Stratford on Avon
NAMIBIA	May 29 – June 1	Sub-regional w'shop shoreline response to oil spills	Namibia
USA	June 11-15	NOAA Science of Oil Spills (SOS) Classes	Seattle WA
ITALY	June 20-22	INTERTANKO Annual Event 2018	Rome
USA	June 19	Pacific States/British Columbia Oil Spill Task Force Annual Meeting	Portland OR
USA	June 19-21	Clean Pacific Conference and Exhibition	Portland, OR
UK	June 21	9th Premium Conference 2018	London
USA	June 25-28	NOAA Science of Chemical Releases (SOCR) class	Mobile AL
UK	June 25-28	Int'l Harbourmasters Assoc. Congress & Exhibition	London
INDIA	July 5-6	Oil Spill India 2018 Conference & Exhibition	New Delhi
SWEDEN	August 27-30	HELCOM BALEX DELTA 2018 spill recovery ex'cise	Karlskrona Area
UK	Sept. 12-13	9th Maritime Salvage & Casualty Response	London
UK	Sept. 12-13	Flood Expo	Birmingham
UK	Sept. 12-13	Spill Response Expo	Birmingham
SINGAPORE	Sept. 25-26	Salvage & Wreck Asia	Singapore
CANADA	October 2-4	AMOP Tech. Seminar on Environmental Contamination and Response	Victoria, BC
UAE	October 2-4	El Middle East HSE Forum	Dubai
AUSTRALIA	October 2-4	Ecoforum Conference & Exhibition	Sydney
UAE	October 9-10	RECSO EnviroSpill Conference & Exhibition	Abu Dhabi
UK	October 22-26	IMO Marine Environment Protection Committee	London
TURKEY	Nov. 6-8	Regional Workshop & Oil Spill Exercise	Istanbul
USA	Nov. 13-15	Clean Gulf Conference and Exhibition	New Orleans, LA
COUNTRY	2019	TITLE OF EVENT	LOCATION
USA	April 16-18	Clean Waterways Conference	Cincinnati, OH
Australia	May 20-24	SPILLCON 2019 Conference and Exhibition	Perth
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

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