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**EU SEAFRONT**



The partners of SEAFRONT have gathered in Bristol on July 5 and 6, kindly organised by the University of Bristol in the UK, for a very fruitful progress meeting. The results of the project so far are very positive and the collaborative atmosphere in the consortium is excellent.

The project has achieved most of its objectives and technical goals for the period with relatively minor deviations. During this final year of the project, the focus will be on completing field testing and basic understanding of fouling related phenomena, as well as on paying attention to further exploitation and dissemination of results. Progress and end results will be discussed in the project's final meeting in December in Bologna, Italy.

See also the project's website [www.seafront-project.eu](http://www.seafront-project.eu) for more information on the project.

Enjoy reading the latest newsletter of SEAFRONT!

**BIO-ON PRESENTS A REVOLUTIONARY NEW TECHNOLOGY TO ELIMINATE OIL POLLUTION IN THE SEA**



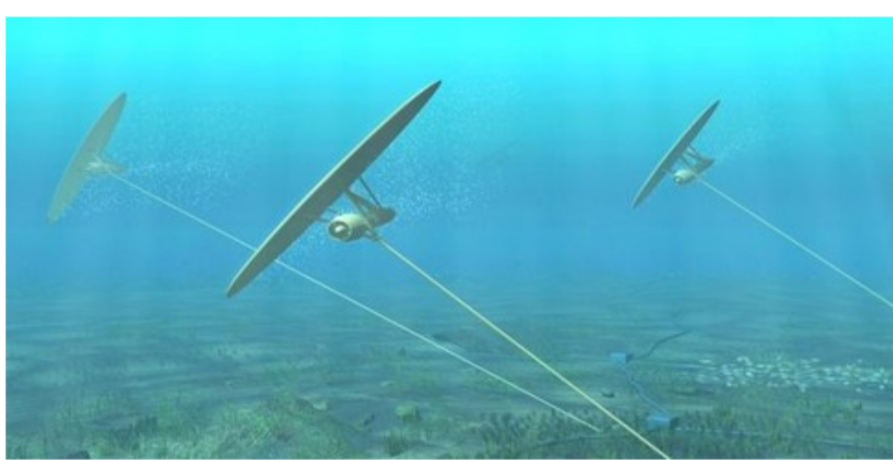
Bologna, 5 June 2017 – Some innovations bring truly revolutionary change to the planet and this is why Bio-on is proud to present its new technology, Minerv Biorecovery, which enables hydrocarbon sea pollution to be eliminated within approximately three weeks.

"From today we offer the world and the market the technology to take effective, natural and ecological action in the event of environmental disasters such as oil spills into the sea," explains Marco Astorri, Chairman and CEO of Bio-on, which announces the success of its research conducted in collaboration with IAMC – CNR in Messina. "We have discovered," explains Astorri, "that the particles forming our PHAs bioplastic are the ideal environment for hosting and feeding the special microorganisms that eliminate oil from the sea."

The World Bank Group will support Bio-on in raising awareness of the benefits of this technology for safeguarding the oceans as part of the Connect4Climate programme.

The full press release can be found [here](#).

**MINESTO: WORLDS-FIRST ANGLESEY 'SEA KITE' TIDAL PROJECT APPROVED**



A £25m tidal energy project which uses underwater "kites" to harness power has been awarded a marine licence to trial its technology off the Anglesey coast. Swedish-based Minesto has been granted permission by Natural Resources Wales to anchor one of the devices in the sea near Holyhead. It came after the impact on wildlife was deemed to be "not significant". If successful, the company said it would add more kites to power about 8,000 households in total.

Developers said it would be the first full-scale operation of its kind in the world, following ocean testing off Northern Ireland. The technology uses tidal currents to force water through a turbine as the underwater kites - known as Deep Green devices - "fly" through the sea.

The marine licence gives the green light for a 0.5MW kite, but Minesto hopes more will later be added, until the 10MW site is fully operational.

Ylva Sörqvist Hultgren, site development manager at Minesto, said: "This first step of implementing our unique technology in commercial scale is obviously an important one, and it is therefore satisfying to have reached this milestone."

The kite is expected to be installed later this year but electricity generation for use on the National Grid is not expected to happen before 2019 at the earliest.

For more information see: <http://www.bbc.com/news/uk-wales-north-west-wales-39638838>

**AKZONOBEL LAUNCHES NEW MARINE COATINGS APP TO IMPROVE USER EXPERIENCE**



Marine coatings customers will now enjoy anytime, anywhere access to data most critical to them, with the launch of AkzoNobel Marine Coatings' International mobile app. The app provides customers with increased convenience and flexibility in accessing the company's wealth of coatings data. It has been specially designed to provide access to application guides, technical datasheets, product brochures, information cards and regional contacts, as well as social media and blog posts. It is available on the Apple app store.

The International Marine Coatings app can be downloaded from the app store: <http://bit.ly/2IPapp>

You can read more [here](#).

**BIO-ON PRESENTS "THE MATTER". BIOPLASTIC TECHNOLOGY NOW OPEN SOURCE FOR RESEARCHERS AROUND THE WORLD.**



Bologna, 29 June 2017 – Bio-on is challenging the research world and announcing its new programme entitled "The Matter, is how we change our world" with which the company that created Minerv PHAs, the revolutionary natural and 100% biodegradable bioplastic, wants to involve researchers, inventors and scientists from public or private institutions to discover new applications for the bioplastic. To change the world and help safeguard the planet.

- Bio-on will make its natural and 100% biodegradable bioplastic, Minerv PHAs, available free of charge to researchers, inventors and scientists who would like to change the world and protect the environment.
- The most innovative projects will be chosen to test and demonstrate new applications for PHAs (polyhydroxyalkanoates) to push its use beyond the limits known today.
- Bio-on has launched a new website dedicated to "The Matter" programme, where submissions can be sent. Bio-on will respond within 30 days and will evaluate any financing for the research.

The full press release can be found [here](#).

**AKZONOBEL: 1000 VESSELS ALREADY PROTECTED WITH AKZONOBEL'S SUSTAINABLE COATINGS**



1000 vessels already protected with AkzoNobel's sustainable coatings AkzoNobel's ongoing efforts to make shipping more sustainable reached another landmark recently with the 1,000th application of Intersleek 1100SR, the biocide-free fouling control coating, part of the International® range. The milestone was achieved with the Al Gattara LNG (liquefied natural gas) tanker operated by Nakilat Shipping Qatar Ltd

Delivering outstanding macro and micro fouling control with improved static resistance, even in warmwaters, the product enables vessels to reduce drag and achieve fuel efficiency and emissions savings of 9% on average. Moreover, ship owners and operators that upgrade from a biocidal coating to a biocide-free solution from the Intersleek range are eligible to enrol in AkzoNobel's award-winning carbon credits initiative, which financially rewards them for investing in sustainable technologies.

You can read more [here](#).

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| Dutch Polymer Institute<br>International Paint Ltd<br>Fraunhofer IFAM<br>i-Tech AB<br>University of Newcastle upon Tyne<br>Minesto AB | Solvay Specialty Polymers<br>Delft University of Technology<br>Eindhoven University of Technology<br>University of Bristol<br>Val FoU<br>Biotrend<br>BioLog | University of Gothenburg<br>Bio-On<br>Bluewater Energy Services<br>Smartcom Software<br>Solintel<br>Hapag Lloyd |
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