



BIO-ON Among Leading Green Innovations

JUNE 16, 2014 - Today, Scandinavian think tank **SUSTAINIA**, releases a study on 100 leading sustainability innovations deployed on global markets. And **BIO-ON** is selected for its state-of-the-art innovation.

"We are extremely pleased to be selected among so many sustainable innovations," said Marco Astorri Bio-on CEO on Italy. "Our mission is to develop and produce organic polymers friends of nature and made from nature. The SUSTANIA 100 publication will allow future users worldwide to be able to use a new bio-material that can replace the plastic obtained from petroleum."

More than 900 technologies and projects on nearly all continents have been researched to identify the 100 outstanding cases, and to document where and how innovations are being developed and deployed. The study, SUSTAINIA100, is showing a growing diversity in sustainability innovations globally, which is providing businesses with new market opportunities.

"The selected Sustainia100 solutions are an inspiration to companies, cities and consumers worldwide. Sustainable innovation is truly transforming markets and industries these years – things are happening at an incredible pace. You will lack behind if you as a business does not gear your company towards a changed landscape, where an efficient and sustainable operation is key to long-term survival," says Laura Storm, Director of Sustainia.

The released study, SUSTAINIA100, covers new efforts to turn the fashion and food industries, homes, offices and transportation systems more efficient, sustainable and enjoyable. All identified innovations are readily available with demonstrated sustainability environmental, social and economic effects. The 100 selections are currently deployed in 142 countries.

"While we don't have the luxury of time to fix the problems, we do have the luxury of readily available solutions. And with Sustainia100, we now know where to find the most inspiring of them," says Dr. Rajendra K. Pachauri, Chair of the UN panel for climate Change, IPCC.

The published SUSTAINIA100 cases presents' trailblazing innovation across 10 industries. Among the cases, three drivers are shaping market-ready innovation: circular economy products, data analytics and sustainability practices throughout the supply chain.

MEDIA ENQUIRIES

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RESOURCES

The full Sustainia100 publication with 100 selection cases available here
http://www.sustainia.me/resources/publications/3rd_sustainia100_2014.pdf



BIO-ON

Bio-on was founded in 2007, its aim is to work in the field of the modern biotechnologies applied to widely used materials. Our intention is to create 100% natural products and solutions based on renewable resources or on agricultural processing waste material.

Bio-on designed and patented the first fully bio-based plastic PHAs in the world to be 100% naturally biodegradable in water and soil (certified in 2008 by Vinçotte). With the industrial production of Polyhydroxyalkanoate-PHAs, linear polyesters produced in nature by bacterial fermentation of sugar or lipids, we can create a 100% biodegradable plastic. PHA is a polymer of the polyester family. It was isolated and characterized in 1925. To this day, it is considered to be the best polymer in the world. More than 150 different monomers can be combined within this family to give materials with extremely different properties. They can be either thermoplastic or elastomeric materials, with melting points ranging from 40 to 180 °C.