# ECOMONDO 2023
# Brochure
# EU Funded Projects

European Union Stand

**STAND SCHEDULE**

## European Climate, Infrastructure and Environment Executive Agency (CINEA)

| Tuesday 07/11 | | Wednesday 08/11 | | Thursday 09/11 | | Friday 10/11 | |
|---|---|---|---|---|---|---|---|
| **AM** (9:00-13:00) | **PM** (14:00-18:00) | **AM** (9:00-13:00) | **PM** (14:00-18:00) | **AM** (9:00-13:00) | **PM** (14:00-18:00) | **AM** (9:00-13:00) | **PM** (14:00-18:00) |
| **WAGA4WORLD** | **WAGA4WORLD** | **ALGAENAUTS** | **ALGAENAUTS** | **LIFE GREEN FACTORY** | **LIFE GREEN FACTORY** | **LIFE GREEN FACTORY** | **LIFE GREEN FACTORY** |
| **GreenFIT** | **GreenFIT** | **Hydrogen Mobility** | **Hydrogen Mobility** | **Catching the Potential** | **Catching the Potential** | **Catching the Potential** | **Catching the Potential** |
| **LIFE-STEAM** | **LIFE-STEAM** | **LIFE-ALFIO** | **LIFE-ALFIO** | **WINBLUE** | **WINBLUE** | **WINBLUE** | **WINBLUE** |

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| LIFE |
| CEF |
| EMFF |
| INNOVATION FUND |

## European Innovation Council and SMEs Executive Agency (EISMEA)

| Tuesday 07/11 | Wednesday 08/11 | Thursday 9/11 | Friday 10/11 |
|---|---|---|---|
| STRATUS | ECOSHEET-PRO | SUSTONABLE | SUSTONABLE |
| ColiSense Online | Bioflex | Resortecs | Resortecs |
| PlanticsInside | EggPlant | FOIL'ON | FOIL'ON |

## European Research Executive Agency (REA)

| Tuesday 07th Nov 23 | Wed 08th Nov 23 | Thu 09th Nov 23 | Friday 10th Nov 2023 |
|---|---|---|---|
| RES4LIVE | PROMISCES | Circularinvest (CCRI) | Blue Rev |
| TheGreefa | CENTRINNO | InvestCEC (CCRI) | SOL- REC2 |
| FAIRCHAIN | CONEXUS | Loop Cluster/NYMPHE | CIMPA/GenB |

## European Health and Digital Executive Agency (HaDEA)

| Tuesday 07/11 | Wednesday 08/11 | Thursday 9/11 | Friday 10/11 |
|---|---|---|---|
| STAGE (Horizon Europe) | ReVAMP (Horizon 2020) | CARBAFIN (Horizon 2020) | SURE 5.0 (Horizon Europe) |
| Up2CIRC (Horizon Europe) | FutuRaM (Horizon Europe) | ORIENTING (Horizon 2020) | BRIDGES 5.0 (Horizon Europe) |
| H4C Europe and H4C ECoP (Horizon Europe) | ELECTRA(Horizon 2020) | | |

# PROJECTS PARTICIPATING IN #ECOMONDO2023

| | Programme | Project Acronym | Coordinator/ Company | Description | Social media |
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| 1 | LIFE | LIFE STEAM | HERA S.p.A | The LIFE STEAM project will develop an innovative prototype based on steam explosion technology to effectively pre-treat mowing and pruning before sending them to anaerobic digestion. Here the lignocellulosic biomass will be processed into advanced biofuels, for use in the transportation sector, and fertilizers for agricultural use. | Facebook<br>X (Twitter)<br>Website<br>LinkedIn |
| 2 | LIFE | LIFE ALFIO | Alina | LIFE-ALFIO will pilot the use of a non-toxic substitute for biocides found in paints and coatings. It will develop 16 biocide-free paint and coating formulas using an organoclay-based material developed by ALINA. These Ecolabel-compliant formulas will cut VOCs in the manufacturing process from 50 grams per litre to 10 grams per litre, in line with EU targets. | Website<br>LinkedIn<br>Facebook |
| 3 | LIFE | LIFE GREEN FACTORY | LOSMA S.p.A | The LIFE GREEN FACTORY project aims to test an innovative technology to reduce PM concentrations in metal factories through a cost-effective and energy-saving electronic detection system. The system filters all the indoor air (internal and coming from outside) and recirculates only clean air in the working areas, reducing the quantity of inhaled pollutants by 3.2 mg/day per worker on average. | LinkedIn<br>Website |
| 4 | EMFAF | ALGAENAUTS | BIORIZON BIOTECH SOCIEDAD LIMITADA | The proposed ALGAENAUTS innovation project aims at developing a new line of sustainable and eco-friendly biopesticides line of products for agriculture from microalgae biomass cultivated recovering nutrients from wastewater and pig manure and also with seawater. ALGAENAUTS has been designed from a circular bioeconomy approach. | Website<br>X (Twitter)<br>LinkedIn<br>YouTube<br>Instagram |

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| 5 | EMFAF | CATCHING THE POTENTIAL | STICHTING PROSEA MARINE EDUCATION - ProSea foundation | The CTP-project is a cooperative effort of fishing sector and educators to develop and implement an effective, international standard for sustainable fishing training for fishers. An accepted, international standard would change education of all fishers in Europe. | Website |
| 6 | EMFAF | WINBLUE | CONSIGLIO NAZIONALE DELLE RICERCHE | The project WINBLUE intends to accelerate the empowerment of women in the blue economy through facilitating their participation in five different sectors revolving around the conservation and sustainable use of the aquatic resources: circular blue bioeconomy and biotechnology, aquaculture and fisheries, offshore renewable energy, sustainable coastal tourism, cutting-edge enabling technology for protecting and restoring marine ecosystems. | Website |
| 7 | CEF Transport | HYDROGEN MOBILITY | HysetCo | The Action aims to deploy 8 large-scale Hydrogen Refuelling Stations (HRS) in the Paris area, to support the market uptake of fuel cell electric vehicles (FCEV), especially taxi fleets with the aim to reach at least 5% zero-emission vehicles (e.g. approximately 2500 FCEVs) operating for the transport of persons by 2024 when the Olympic Games will take place in Paris. | Website<br>LinkedIn<br>X (Twitter) |
| 8 | CEF Transport | GREEN FIT | TRELLEBORGS HAMN AB | The project will also contribute to achieving climate objectives and low-carbon mobility. It will enable an increased competitiveness and environmental performance of shipping and a modal shift. Overall, it supports the sustainability and decarbonization of long-distance transport chains. At the same time, it will provide two best practice models for clean energy collaboration and port environmental management. | Project info |
| 9 | Innovation Fund | WAGA4WORLD | Waga Energy | The Waga 4 World (W4W) project aims at producing cost competitive and grid-compliant biomethane from landfill gas using the WAGABOX® technology, developed by Waga Energy. | LinkedIn<br>Website |

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| 10 | Horizon Europe | CircularInvest | INOVA+ - Innovation Services, SA | Powering access to investment for next generation circular economy initiatives in cities and regions. The project aims to provide CE investment projects at the local and regional levels with a set of distinctive and efficient Project Development Assistance services that will enable the closure of investments. https://cordis.europa.eu/project/id/101081845 | LinkedIn<br>@CircularCityEU<br>Website |
| 11 | Horizon Europe | InvestCEC | Enspire Science LTD | Supporting the transition towards circular economy in European cities and regions. Development of a replicable model for local circular economy projects. https://cordis.europa.eu/project/id/101082131 | LinkedIn<br>@InvestCEC<br>Website |
| 12 | Horizon 2020 | Frontsh1p | K-FLEX POLSKA SP ZOO | A FRONTrunner approacTransition to a circular & resilient future: deployment of systemic solutions with the support of local clusters and the development of regional community-based innovation schemes. FRONTSH1P project will ensure the green and just transition of the Poland's Lodzkie region towards decarbonisation and territorial regeneration. https://cordis.europa.eu/project/id/101037031 | LinkedIn<br>@frontsh1p<br>Website |
| 13 | Horizon 2020 | EcoeFISHent | Finanziaria Ligure per lo Sviluppoeconomico FI.L.S.E. SPA | The EU-funded EcoeFISHent project will develop innovative biomass pre-treatment and extraction technologies. Its aim is to enable sustainable and efficient exploitation of fish-processing side streams by obtaining bio-actives and galantine for high value-added food supplements and skin care products, as well as biodegradable and compostable barrier layers for food packaging. https://cordis.europa.eu/project/id/101036428 | LinkedIn<br>@ecoefishent<br>Website |
| 14 | Horizon 2020 | Agro2circular | Asociacion Empresarial de Investigacion Centro Technologico del Calzadoy del plastico de la region de Murcia | Agro2Circular project will develop the first recycling value chain for post-industrial multilayer films based on a synergistic approach. It will combine innovative sorting, physical delamination, enzymatic depolymerisation, decontamination and mechanical recycling. To address a lack of digitalisation in the agri-food sector, the project will employ a Data Integration System as a digital tool to ensure traceability and as a predictive decision tool. https://cordis.europa.eu/project/id/101036838 | LinkedIn<br>@Agro2Circular<br>Website |

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| 15 | Horizon 2020 | CircularFoam | Covestro Deutschland AG | The EU-funded CIRCULAR FOAM project develops a cross-sectoral systemic solution for the circularity of high-performance plastics from diverse applications. The waste streams is upcycled chemically and valorised to become new virgin-equivalent feedstock for the chemical industry to produce new high-performance plastics.<br>https://cordis.europa.eu/project/id/101036854 | LinkedIn<br>@Circular_Foam<br>Website |
| 16 | Horizon 2020 | RES4LIVE | Agricultural University of Athens (AUA) | Farmers in Belgium, Italy, Germany and Greece have teamed up to show that it is possible to reduce agriculture's fossil fuel dependence and move towards the adoption of renewable energy sources. The project demonstrates the selected technologies, including PVT systems, PV panels, modular heat pumps, biogas upgrading to biomethane, biomethane-fueled tractors and electrically powered on-farm machinery.<br>https://cordis.europa.eu/project/id/101000785 | LinkedIn<br>@RES4LIVE<br>Website |
| 17 | Horizon 2020 | TheGreefa | ZURCHER HOCHSCHULE FUR ANGEWANDTE WISSENSCHAFTEN (ZHAW) | The EU-funded TheGreefa project proposes a new technology for heating, cooling, air humidity control and water recovery in greenhouses as well as for drying of agricultural goods using thermochemical conversion principles (desiccant fluids). These fluids absorb water vapour from air, converting the latent heat into sensible heat.<br>https://cordis.europa.eu/project/id/101000801 | LinkedIn<br>@TheGreefa<br>Website |
| 18 | Horizon 2020 | FAIRCHAIN | INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT (INRAE) | Towards a balanced distribution of value in fruit, vegetable and dairy sectors. The EU-funded FAIRCHAIN project inspires and encourages larger actors to downscale to address the growing consumer demand for local high-quality products. Specifically, the project tests recently developed technological, organisational and social innovations to expand the production of affordable nutritious food.<br>https://cordis.europa.eu/project/id/101000723 | LinkedIn<br>@FairchainEU<br>Website |

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| 19 | Horizon 2020 | PROMISCES | BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES | The project develops new analytical methods and toxicological tools to deliver data on persistent, mobile (PM) substances in complex environmental matrices and investigate sources of PM substances released from soil, sediments, landfills and wastewater treatment plants and via urban runoff into relevant natural systems. https://cordis.europa.eu/project/id/101036449 | LinkedIn<br>@Promisces_EU<br>Website |
| 20 | Horizon 2020 | CENTRINNO | Comune di Milano | The EU-funded CENTRINNO project aims to develop and demonstrate strategies, approaches and solutions for the regeneration of industrial historic sites and areas as creative production and manufacturing hubs that stay true to the ecological challenges of our time.<br>https://cordis.europa.eu/project/id/869595 | LinkedIn<br>@CentrinnoEU<br>Website |
| 21 | Horizon 2020 | CONEXUS | THE UNIVERSITY OF SHEFFIELD | Urban ecosystem renewal in EU and CELAC cities. CONEXUS brings together community, private, public and research partners to experiment with novel co-production methods to deliver Nature Based Solutions innovations in 'Life-Lab' pilots, using a place-based approach to solve problems together with citizens (in São Paulo, Bogotá, Santiago, Buenos Aires, Lisbon, Barcelona and Turin).https://cordis.europa.eu/project/id/867564 | Instagram<br>@ConexusNBS<br>Website |
| 22 | Horizon Europe | Blue Rev | AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA (APRE) | Revitalisation of European local communities with innovative business models and social innovation in the blue bio-based sector. The aim of the EU-funded BlueRev project is to encourage innovation in local communities by focusing on "blue" sustainability and creating positive environmental impacts.<br>https://cordis.europa.eu/project/id/101060537 | LinkedIn<br>@BlueRevEU<br>Website |
| 23 | Horizon 2020 | SOL- REC2 | INTERNATIONAL PROJECT MANAGEMENT PLATING ET MATERIALS SARL | The EU-funded Sol-Rec2 project develops and implements innovative strategies to improve the sorting, separation, and recycling of pharma blister packs and laminate consumer packaging waste. The project also develops pioneering digital watermark technologies, fast and effective sorting of multi-layer packaging, and a toolbox of advanced green solvent systems to delaminate multi-layer packaging material and selectively dissolve targeted polymers.<br>https://cordis.europa.eu/project/id/101003532 | LinkedIn<br>@sol_rec2<br>Website |

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| 24 | Horizon 2020 | CIMPA | CENTRE TECHNIQUE INDUSTRIEL DE LA PLASTURGIE ET DES COMPOSITES | A Circular Multilayer Plastic Approach for value retention of end-of-life multilayer films. The EU-funded CIMPA project develops a recycling chain for post-industrial and post-consumer multilayer films from food and agricultural applications. https://cordis.europa.eu/project/id/101003864 | Website<br>LinkedIn<br>@CIMPA_Project |
| 25 | Horizon 2020 | REMADYL | CENTEXBEL | Removal of Legacy Substances from polyvinylchloride (PVC) via a continuous and sustainable extrusion process: https://cordis.europa.eu/project/id/821136 | Website<br>LinkedIn<br>@REMADYL_EU |
| 26 | Horizon Europe | GenB | AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA (APRE) | Informing and educating young people on more sustainable behaviours and choices to build a future Generation informed and interested in Bioeconomy: https://cordis.europa.eu/project/id/101060501 | Website<br>LinkedIn<br>@biovoices |
| 27 | Horizon Europe | STAGE | INSTITOUTO ANAPTIXIS EPICHEIRIMATIKOTITAS ASTIKI ETAIREIA | The STAGE project addresses barriers faced by industrial SMEs in implementing advanced technologies by creating a sustainability transition ecosystem, providing training, innovation support and sustainability assessment. Over 2000 SMEs will be transformed into agile, green and competitive leaders through this project, which aims to achieve a Grant Amount Multiplier of 100x with private finance. | LinkedIn |
| 28 | Horizon Europe | Up2CIRC | CAMERA DI COMMERCIO INDUSTRIA ARTIGIANATO AGRICOLTURA DI TORINO | Up2Circ supports SMEs in adopting circular business models and achieving sustainable growth. It provides customised advisory services, expertise and learning modules to develop actionable plans. By leveraging existing results and collaborating with EU networks, it enhances innovation support ecosystems and fosters closer connections with SMEs. | LinkedIn |

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| 29 | Horizon Europe | H4C Europe and H4C ECoP | CIAOTECH Srl and INSTITUTO DE SOLDADURA E QUALIDADE | The Hubs4Circularity Community of Practice is a network of partners from industries, regions, and cities set up under Horizon Europe to facilitate the building, scaling up and replicating ecosystems of industrial and industrial-urban symbiosis and the circular economy. Two consortia with complementary strengths and expertise, H4C Europe and H4C ECoP, have been selected by the European Commission to collaborate towards a common goal: to drive the Community of Practice for Hubs4Circularity between 2022 and 2026. Hubs4Circularity are socio-technical ecosystems for full-scale industrial symbiosis, industrial-urban symbiosis and circular economy, closing energy, resource and data loops at regional scale. These are essential building blocks for achieving the climate neutrality targets by 2050. The initiative tackles knowledge, tools, models, and solutions through a digital Knowledge Platform, making them accessible to the Community of Practice.<br><br>The two consortia - H4C Europe and H4C ECoP - are collaborating to develop a set of key performance indicators for Hubs4Circularity, define business models and promote funding and finance opportunities to boost industrial and industrial-urban symbiosis and circularity. The Community benefits from synergies with P4Planet when it comes to creating and validating knowledge and establishing channels of interaction with essential stakeholders. | LinkedIn |
| 30 | Horizon 2020 | ReVAMP | VDEH-BETRIEBSFORSCHUNGSINSTITUT GMBH | REVaMP improves metal production efficiency by retrofitting facilities with sensors and control tools. It reduces energy consumption and CO2 emissions through optimised feedstock selection and scrap analysis. The project targets electric/oxygen steelmaking, aluminium refining and lead recycling to evaluate technology performance and benefits. | Website |

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| 31 | Horizon Europe | FutuRaM | WASTE OF ELECTRICAL AND ELECTRONICAL EQUIPMENT FORUM AISBL | The FutuRaM project aims to facilitate the exploitation and develop knowledge on secondary raw materials (SRMs) availability and recoverability in the EU, with a focus on critical raw materials (CRMs). Addressing various waste streams, it will support the transition to a climate-neutral, circular and digitised economy while raising awareness of raw materials challenges and proposing EU statistics for SRMs. | @FuturamProject<br>LinkedIn |
| 32 | Horizon 2020 | ELECTRA | FACHHOCHSCHULE NORDWESTSCHWEIZ | ELECTRA revolutionises waste and petrochemical industries with a circular solution for olefin and polyolefin production. It uses innovative technologies, such as catalytic pyrolysis and the roto-dynamic reactor, to achieve sustainable and low GHG footprint. | @ElectraH2020<br>LinkedIn |
| 33 | Horizon 2020 | CARBAFIN | ACIB GMBH | CARBAFIN develops an integrated biocatalytic production technology to use surplus sucrose from sugar beet biomass. It aims to co-produce functional glucoside and fructose, enabling applications in nutrition, cosmetics, detergents and bio-based plastics. | @carbafin<br>LinkedIn |
| 34 | Horizon 2020 | ORIENTING | FUNDACION TECNALIA RESEARCH & INNOVATION | ORIENTING creates a robust methodology for life cycle sustainability assessment (LCSA) of products and services, integrating environmental, social and economic impacts. It develops tools, indicators and guidance to enable informed business decisions and promote a level playing field in the European market. | @orientingEU<br>LinkedIn |
| 35 | Horizon Europe | SURE 5.0 | AEROSPACE VALLEY | SURE 5.0 seeks to support European SMEs working in specific industrial ecosystems, to advance in their digital transformation process while becoming more human-centric, sustainable and resilient. The main target audience of SURE5.0 are SMEs working at the Civil transportation and Electronics ecosystems (Mobility, Transport & Automotive – Aerospace & Defence – Electronics). SURE5.0 has acceleration programmes for a direct funding of maximum €50,000. | @SUREproject<br>LinkedIn |
| 36 | Horizon Europe | BRIDGES 5.0 | TNO | Bridges 5.0 aims to build a theoretical and conceptual framework for Industry 5.0. Its objective in doing so is to enable the development of solutions for the workforce skills required in Industry 5.0. | @Transform_H2020<br>LinkedIn |

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| 37 | Horizon 2020 | STRATUS | GENAQ TECHNOLOGIES SL | Air contains a little bit of water, but on hot and muggy days the air is saturated with moisture. Atmospheric water generators (AWGs) can extract water from the surrounding air and filter it to remove particulates and bacteria. The EU-funded STRATUS project is developing technology to generate drinking water by condensing ambient humidity. This will be particularly useful in areas where water is scarce or lacks sufficient quality. The project's new AWGs target residential, commercial and public premises, producing top quality drinking water with a maximum 200 litre daily capacity. The new AWGs will be less expensive and more efficient than conventional AWGs. The project will work to develop, validate and bring its AWG to market. | Website |
| 38 | Horizon 2020 | ColiSense Online | BNOVATE TECHNOLOGIES SA | Drinking water is essential for life, but if contaminated, it can pose substantial health threats. Take for instance, E. coli, one of the most common bacterial infections in humans and animals. Access to safe water is critical. The EU-funded ColiSense Online project is developing a fast, cheap and accurate cloud-based analyser that can quantify E. coli cells in drinking water. This solution, which takes only 60 minutes and costs just EUR 1 per analysis, can be applied anywhere – from waterworks to beverage distilleries – either at site or remotely. The goal is to eliminate E. coli-contaminated drinking water in the EU. | Website |
| 39 | Horizon 2020 | PlanticsInside | PLANTICS HOLDING BV | Combining excellent functional properties with low cost, plastics are an integral part of our life. While its use has grown steadily in the EU, only a third of plastic waste is recycled. Also, the shift to bio-based and biodegradable plastics has been slow. Bioplastics, mostly made of agro-based and ligno-cellulosic feedstock, represent under 1 % of the 355 million tonnes of plastic produced annually. The EU-funded PlanticsInside project will bring to market a new bio-based, recyclable and biodegradable plastic. It's based on Plantics-GX – a new cost-competitive thermoset bioplastic that meets both requirements. It can be used as an alternative to toxic and flammable fossil-based thermoset plastics like polyurethane or formaldehyde-based resins. | Website |

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| 40 | Horizon 2020 | ECOSHEET-PRO | I.C.M.A. SAN GIORGIO INDUSTRIA COSTRUZIONI MACCHINE E AFFINI SPA | ECOSHEET-PRO is an eco-innovative and cost effective alternative to plywood made from mixed plastic waste, suitable for high strength applications in the construction industry. This project will tackle two significant environmental challenges facing Europe, whilst also offering added value to the construction industry.<br>The first issue addressed is that of mixed plastic waste. In Europe, in 2014, 18 million tonnes of post-consumer waste plastics were landfilled or incinerated, as they could not be easily separated and recycled. Alternative uses for such waste must be found.<br>The second issue is the growth in the use of plywood, typically manufactured from slow-growing, tropical hardwoods. This material is a key, high volume commodity in construction industry formworks and an area the size of Madrid is deforested each year to meet Europe's demand.<br>ECOSHEET-PRO transforms mixed plastic that would otherwise be wasted into a competitive, reusable, plywood replacement. Previous attempts to create such boards have failed to deliver the required strength or cost effectiveness required by industry. We have overcome these barriers through an innovative manufacturing process, which will be scaled up and refined during this project. ECOSHEET-PRO has the potential to re-define the €1.8 billion European plywood industry and help Europe meet its demanding plastic recycling targets, contributing to the circular economy.<br>Our success stems from bringing together the complementary expertise of two eco-innovative SMEs from Italy and the UK, both with a strong ambition to grow and internationalise. Across a network of 13 facilities in 2023, ECOSHEET-PRO will create 77 jobs, generate annual revenues of over €76.5 million, annual profits of €26.8 million, and transform >221,000 tonnes of waste into valuable products. | Website |

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| 41 | Horizon 2020 | Bioflex | Lixea OÜ | Wood waste, contaminated and/or unwanted woody material, is an underutilised resource. The main components of wood (cellulose and lignin) can be isolated and used to create valuable materials. The EU-funded Bioflex project will divert wood waste from reaching landfills or incineration facilities and will prevent sawdust from going into fuel pellets. This will allow production of lignin and cellulose from these currently underused wood resources to enter new, emerging or existing value chains. The market is estimated to be EUR 40.9 billion for BioFlex-made cellulose and EUR 13.4 billion for wood waste recycling. The Bioflex process can be used with any kind of woody material and is compatible with metal and organic contaminants such as paint and preservatives | Website |
| 42 | Horizon 2020 | EggPlant | EGGPLANT SOCIETA A RESPONSABILITA LIMITATA | The Eggplant is an innovative two-phase water treatment procedure that filters industrial wastewater and applies a three-stage post-filtration process. Through this process, each Eggplant uses wastewater as a raw material for the production of bioplastics using a commercial bacterial culture. Critically, the water at the end of the process is purified and safe to be used as drinking water or for release into watercourses. The primary value of Eggplant is the reduction of waste from agri-food industrial wastewater from twofold to zero – filtration removes the majority of pollutants and fermentation removes organic contaminants. The resulting concentrate is then processed into PHA and PHB bioplastics. Moreover, an Eggplant, through the use of concentrated substrate can generate 3-4 times as much bioplastic from an equivalent volume of wastewater. | Website |
| 43 | Horizon 2020 | SUSTONABLE | INNOVATIVE TECHNOLOGIES STONE BV | The EU-funded SUSTONABLE project proposes a pioneering building material that has the physical shape and properties of engineered (quartz) stone, but it is thinner, ultra-light and having a better impact resistance. The product is made with natural minerals bond by recycled PET from plastic bottles and will be more affordable than comparable materials in the market. One of the goals of the H2020 project is to make the material fully recyclable in its own process. The project aims to create the next generation stone surface materials and contribute to the new sustainable circular economy. | Website |

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| 44 | Horizon Europe | Resortecs | REGENERATION | Resortecs project uses thermal technology to automate textile disassembly, allowing for better and faster recycling. Resortecs offers solutions to facilitate circularity for key stakeholders in the textile value chain. At manufacturing, brands can make clothing designed for recycling thanks to Smart Stitch™ and Smart Rivet™, heat-dissolvable threads and rivet buttons that perform as regular ones but melt at high temperatures (150-200 °C). At end-of-life, the Smart Disassembly™ industrial ovens automatically dismantle and sort tonnes of clothing so that recyclers can recover pure, high-quality fabric for recycling. | Website |
| 45 | Horizon Europe | FOIL'ON | LAM ON | LAM'ON LTD is a start-up that disrupts the printing and packaging market with two highly innovative products - a 100% biodegradable laminating film LAM'ON and a packaging foil PACK'ON made from corn. Both have the full performance capabilities of plastic film but are based on PLA and are therefore compostable. No recycling needed. They are completely compatible with current printing and packing industrial machines for immediate large-scale market entry, and do not require any changes to process or equipment. | Website |
| 46 | Horizon Europe | NYMPHE | ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA | New system-driven bioremediation of polluted habitats and environment https://cordis.europa.eu/project/id/101060625 | Website<br>LinkedIn<br>@Nympheproject |