



Green Business: Clean Production

255727	TILEATHER Substitution of Chrome in Leather Tannery	The project concerns the application of an environmentally friendly technology in the tannery-leather industrial processes consisting in the substitution of the chrome with titanium. The project proposes the innovative adaptation of the patented Sanotan technique to be applied in the tannery sector at European level.
255887	ECOTPU Biobased thermoplastic material for shoes	The proposal aims to introduce into the market an innovative bio-based thermoplastic (TPU) material for shoe production, the so-called "ecoTPU". The project describes tangible environmental benefits in terms of reducing the toxicity of TPU made of renewable resources and on CO2 emission in comparison to the production of standard TPU.
255993	CFT Ceramic tiles' cutting	The project aims the industrialization of an innovative line for the ceramics tiles' cutting by the adoption of a new dry cycle that allows also the elimination or reduction of mud produced in the cutting and grinding working phases.
256055	GLASSPLUS Ceramic tiles from Cathodic Ray Tube	The GLASS Plus project concerns an innovative industrial process aimed at using recycled cathodic ray tubes (CRT) glass in the ceramic industry to partly replace feldspar in the production of ceramic tiles.
256080	ECOBULLNOSE Process for bull-nose ceramic tiles	The Eco bull-nose project concerns the industrialization of an innovative line for the bull-nose ceramic tiles that allows a drastic reduction of polishing and grinding sludge production during the finishing operations.
256087	HI-REACH Resource efficient motorcycle parts	The project aims to produce new parts for motorcycle fabrication, with reduction in environmental impacts on raw materials use, waste generation and pollution effects.
256112	BISCOL Biodyes for textiles	The project aims to produce and introduce into the market a new type of bio-dyes for the textile industry with a focus on the reduction of the environmental impact of the textile chain production by replacing high polluting chemicals with biological compounds, and by reducing energy consumption of the dyeing process.
256162	BIOLIGNIN Lignin plant for eco-binders	BIOLIGNIN will facilitate the use of lignin for eco-binders (from straw) needed for instance by wood-based panel manufacturers. To achieve this, an industrial plan to produce lignin (together with bleached paper pulp and C5 sugar syrup) will be set up.

Green Business: New services and advanced EMAS

256171	GREENPAL Pallet trading support	Webbased ICT solution for trading old and new pallets, reducing transport and increasing re-use of EU pallets. This new service offers the possibility for wide, fast and independent matchmaking between supply and demand of used pallets.
256189	INTOUR supply chain management in mass tourism	Ecolabel and advanced Cluster EMAS of hotels for tour operators and travel agencies involving national and European associations. Replication and expansion of existing Dutch initiative based on a previous LIFE project.
256100	PROSPEC EMAS for printing sector	Advanced EMAS for print clusters in UK and GR, aiming for 23+12 companies. In consortium: trainers, consultants, verifiers. It will create the first two EMAS clusters in printing industry (UK + GR) and integrate existing methods to a printing specific platform, which will serve SMEs, consultants and verifiers. It will share Cluster lessons with other sectors.
255948	ECO-STEVEDORING EMAS for ports	Advanced EMAS for cargo (un-) loading in ports through developed software tool. 15 ports companies will be targeted with a cluster and triple perspective of freight loading (containers, bulk and roll-on/roll-off). Builds on successful national demonstration and focus on carbon footprint of the transportation sector.



Recycling: *New products from recycled material*

256005	WAP-WIR Substituting dangerous materials with recyclables in ceramics	WAP-WIR aims at replacing polyester resins, volatile solvents and hazardous pigments with recycled natural stone and glass powders in decorative bass-relief ceramics.
256025	NATURALISTA Footwear waste into new consumer products	The project addresses the recycling of post-used shoes and footwear industry waste to be used in the manufacturing of new products. This will be done by means of a mechanical treatment very similar to the one used in tyre recycling, which is basically a shredding and grinding process.
256120	PROWASTE Recycled plastic lumber	The project aims at promoting an innovative industrial process for the production of more environmentally friendly high performance recycled plastic lumber.
256151	ACE Rubber based products	This proposal aims to introduce an innovative hybrid material, a recycled polymer called "Eco-rubber", made from recycled rubber and plastic to European markets by adapting and fine tuning the material towards end users' needs.

Recycling: *New recycling services*

256142	EUROC2C CARPETCHAINS Carpet recovery	The project aims at developing a collection and recycling scheme of used carpets in 6 European countries.
256184	WACOIL Recycling of Waste Vegetable Oils	This proposal aims at improving different stages in the recycling of waste vegetable oil by using street containers with a sensor level device from one hand and undertaking experimental tests of the residues from pre-treatment and the by-products from refining.

Recycling: *New recycling Processes/Technologies*

256180	WS-REC Design and construction of a ELV-windscreen recycling line	The project aims at implementing a recycling plant for car windscreens, enabling commercial re-use of glass and polyvinyl butyral (PVB) and avoidance of land-filling or incineration. The project includes the optimisation of current practices for the recycling of glass and an innovative method for PVB recycling.
256141	THE DIAPERS PROJECT Recycling of diapers	This project will demonstrate the economical feasibility of an industrial sized sorting and recycling processing plant for used nappies using proven technology (with improvements) and thus avoiding the need for their incineration or placing in landfills.
256130	FIBERROTOR Reusable fibres from waste glass fibre	The project will implement a machine for the recycling of clean unhardened waste fabric-type glass fibre into single fibres which can be re-used as a raw material. A prototype of the machine already exists.
256010	Big Tyre Recycling Recycling big tyres	The proposal aims at building up a commercial plant for recycling big end-of-life tyres (diameter greater than 1.4 m) by separating rubber and steel using Ultra High Pressure (UHP) water jet cutting technology.
256152	RECYTUBE Reuse scraps containing carbon nanotubes	The project will reuse scraps containing carbon nanotubes, which are generated during the generation of plastics nanocomposites.
256154	BP Sorting Black Polymer Sorting with HELIOS SWIR	The objective of the project is to develop bring on the market a new sorting system for black plastics based on a hyperspectral imaging sensor.
256174	PARILAS Sorting of shredded aluminum scrap	This project aims to develop a process based on laser technology for identification and sorting of shredded aluminium scrap to different alloy types.



Food and Drink

255890	PLACOTOP Bottle stopper from cork and plastic	PLACOTOP aims at optimizing and introducing into the market a new type of bottle stopper made of a composite material - plastic and cork. The project contributes to reducing the environmental impact of materials linked to food packaging and at protecting cork oak forests by facilitating their preservation and better management.
256031	OMIWAT Treatment of waste water from olive oil production	OMIWAT addresses the important environmental issue related to olive oil production and its polluting effluents. A three-stage filter system to treat olive mill waste water will be set up. The system will produce highly valuable by-products such as a fertilizer, polyphenols for the food and drink sector, timber and recycle water for irrigation.
256032	ECOBIONET Bio-degradable nets for agriculture and packaging	ECOBIONET's objective is to industrialize the manufacture of different types of bio-degradable and compostable nets for agriculture and shellfish packaging products.
256045	ECO3CIP Cleaning of waste water from dairy production	The aim of this project is to develop an ozone-based clean-in-place solution which lowers the volumes of water required, lowers the volumes and strength of wastewater discharged and reduces the need for the use of aggressive chemicals. The main application is within the dairy industry but there is scope for extension to include other disinfection processes within the food industry.
256048	ECOPACK Green labels for packaging and mulching plastics	Proposal aims to integrate eco/human toxicology tests to the requirements of the EN13432 standard. The environmental benefits arise from a more environmentally safe product, enhancing the composting of labelled plastics, and the eventual benefit of biodegraded agricultural plastics as soil fertiliser
256052	RECOWATER Wastewater treatment for food industry	RECOWATER aims to provide an innovative solution to the recycling of cooling waters within the food industry as well as reducing the impact on the generation, collection and treatment of wastewater.
256062	GREENBOTTLE Recyclable milk bottles	GREENBOTTLE focuses on a novel technology to replace plastic milk bottles with bottles made a molded recycled paper outer shell and a thin, loose plastic inner liner. At the end of the product life, the consumer can easily separate the two components which fit into existing recycling streams.
256067	miniAD Portable treatment of animal by-products	MiniAD aims at replicating a system based on existing anaerobic digestion technology to treat animal by-products. Innovative in the small scale and portability of the plant, and in the processing of outputs (such as digestate and biogas).
256083	ECOBLOOD On-site treatment of animal by-products to water and biogas	The ECOBLOOD project aims to provide an eco-friendly technology for on-site blood processing, comprising a blood coagulator and a membrane filtration unit. The technology will produce clarified water and blood meal to produce biogas.
256095	Sterilis Optimised sterilization equipment for food and drink industry	The project concerns new continuous vertical sterilization equipment for the food & drink industry. It offers additional environmental benefits such as the lower consumption of water for sterilisation and cooling, lower energy and an overall reduced footprint.
256123	ENBED Limiting losses of food industry	ENBED addresses new ICT technologies aimed at the monitoring of food conditions during transport with the purpose of limiting losses in terms of food products and improving efficiency of energy consumption during transports.
256136	APRE Animal by-products for fertiliser and energy	The aim of the APRE project is to produce a high quality fertilizer and energy through the co-digestion of energy crops with animal by-products in a centralized biogas plant.



(Food and Drink – continued)

256149	PHOBIOR Clean production of free omega-3 fatty acids	The scope of this proposal is to build a commercial scale reactor for producing a healthy product, guaranteed mercury –free omega-3 fatty acids, altogether under clean production conditions.
256169	LASERMARK New way of fruit labelling	The LASERMARK proposal aims to replace conventional fruit labelling processes (i.e. paper and coated labels) with a more environmentally friendly and innovative solution, which consists in an edible contrast substance that changes colour when activated with the laser.

Buildings/Construction

255934	BACOM Bio-waste to construction material	Innovative process to recycle bio-solid waste from water treatment plants into composite construction materials.
256009	SANGUSS Installation walls using foam glass	SANGUSS offers a new process to fill installation walls using foam glass produced from waste that is not recycled today with advantages on higher resource efficiency.
256179	ECBP Eco-labelled wood floor adhesive	An innovative an eco-labelled wood floor adhesive with no heavy metals or volatile organic compounds.
256186	SUSCON-EPV Sustainability index for concrete	SUSCON-EPV aims to develop a sustainability index and a green label for concrete. The proposed solution wants to be a credible alternative to present national less sustainable prescription based practices.