




Overview of projects funded by Refashion





since 2010 within the Innovation Challenge

KEY


Strategic line








































-  Preparation of materials for recycling
-  Incorporation of materials from CHF recycling into other sectors
-  Eco-design of products from the CHF sector

































Status










-  Projects abandoned/inconclusive results
-  Projects finalized/conclusive results but no industrial development planned
-  Projects in progress
-  Projects finalized/industrial pilots validated

Category of products concerned

-  Textiles
-  Footwear

N°	Nom du porteur de projet Nom du projet	Projet	Contact / Mail	AAP	Axe strat.	Statut
1 	BIC ISOKTEX	Developing an innovative textile insulation.	Michel KEKAYAS m.kekayas@cobic.fr	2010		
2 	NOVAFLOOR NOVATEX	Incorporating end-of-life textiles as inert fillers in decorative plates.	Vincent FORGET vf@ecolomy.com	2010		
3 	DECATHLON OXYLANE	Manufacturing polyester yarn from post-consumer polyester textiles.	Raffaele DUBY raffaele.duby@decathlon.com	2010		
4 	PÔLE ÉCO-INDUSTRIES POITOU-CHARENTES MULTITEX	Developing a process for chemical separation of used mixed textiles (2 projects).	Damien DELETRAZ d.deletraz@pole-ecoindustries.fr	2011		
13 	PÔLE ÉCO INDUSTRIES POITOU-CHARENTES MULTITEX 2	Feasibility study of a pilot enabling the chemical separation of used mixed textile materials (2 projects).	Damien DELETRAZ d.deletraz@pole-ecoindustries.fr	2013		
5 	FILATURES DU PARC FILATURES DU PARC	Manufacturing recycled wool yarns of the same quality as yarns made with virgin wool fibres.	Fabrice LODETTI filatures.parc@wanadoo.fr	2011		
6 	TRUCS-TROUVAILLES TRUCS-TROUVAILLES	Recycling rubber soles into new soles.	Sylvie DAMERON sylvie.dameron@gmail.com	2011		
7 	AGENCE AIR COOP FOOTWEAR RECYCLING PROJECT	Developing and testing an industrial grinding and separation process in view of creating a footwear recycling pilot line.	Benjamin MARIAS bm@air.coop	2012		
18 	AGENCE AIR COOP FOOTWEAR RECYCLING PILOT LINE	Improving the purity of the resulting materials (leather/rubber) and output from the recycling line.	Benjamin MARIAS bm@air.coop	2014		
8 	FRAMIMEX VIACOVER	Developing an exterior sound insulation shield in lightweight concrete integrating post-consumer textile fibres.	Mehdi ZERROUG mehdi.zerroug@ecotextile.fr	2012		
9 	FEYECON SEPREX DECOTEX 1	Developing an undyeing process for used polyester clothes to enable their recycling.	Daniéla TRAMBITAS daniela.trambitas@feyecon.com	2012		
21 	SEPREX DECOTEX 2	Moving the DécoTex 1 project (FEYECON) - supercritical CO2 undyeing technology to pilot scale.	Daniéla TRAMBITAS daniela.trambitas@feyecon.com	2015		
10 	CC PAYS DE COLOMBEY & SUD TOULOIS RECYTEX	Technical, economical and commercial feasibility study of creating a rigid decorative tile integrating 20 to 50% of used textiles.	Raphaël KUENY raphael.kueny@univ-lorraine.fr	2012		

N°	Project developer name Project name	Project	Contact / Mail	CFP	Strat. line	Status
11 	PRÉMICES & CO. BÉTON DE CHIFFON	Creating a range of decorative acoustic products entirely made from recycled textiles.	Amandine LANGLOIS amandine@premicesandco.com	2013		
27 	PRÉMICES & CO. PIERRE PLUME	Finishing the "Béton de chiffon" project and developing it to industrial scale.	Amandine LANGLOIS amandine@premicesandco.com	2016		
12 	MAPEA ÉCO-CHARGES	Recycling of used cotton and polycotton clothes for use as reinforcement in the plastic industry.	René GENILLON r.genillon@mapea.com	2013		
14 	LE RELAIS EKOROOM	Developing acoustic suspended ceiling tiles from recycled textiles.	Jean-Paul LOPEZ jplopez@lerelais.org	2014		
15 	FILATURES DU PARC PARCOT	Developing a defibration method for recycling used polycotton clothes into materials suitable for weaving or knitting new clothing products.	Fabrice LODETTI filatures.parc@wanadoo.fr	2014		
16 	MINOT RECYCLAGE TEXTILE MINOT RECYCLAGE TEXTILE	Optimising the end-of-life textiles recycling process in order to achieve a higher percentage of used textiles in the garnetting process.	Jean-Luc DUSSART jldussart@lerelais.org	2014		
17 	CHAUSSETTES ORPHELINES ANIMA	Recycling used socks into a recycled yarn for use in hosiery.	Marcia DE CARVALHO contact@marciadecarvalho.fr	2014		
19 	WECOSTA SILENCIO	Developing an eco-friendly acoustic silencer for housing ventilation systems.	Hugues BROUTÉ hbroute@wtxautomotive.com	2015		
20 	IN SOFT ECTOR	Developing an eco-designed shoe with a knitted fabric upper.	Patrick MAINGUENÉ pamainguene@in-soft.fr	2015		
34 	IN SOFT ECTOR SE RECYCLE	Recycling the Ector eco-designed shoes.	Patrick MAINGUENÉ pamainguene@in-soft.fr	2017		
22 	SYNERGIES TLC AUTOTRI	Studying and developing a new sorting method for non reusable textiles in order to use these secondary materials.	Thomas FRAINEUX thomas.fraigneux@synergiestlc.fr	2015		
23 	CETI DELISS	Studying and developing either automatic or semi-automatic processes for removing trims from used clothing to facilitate recycling.	Pascal DENIZART pascal.denizart@ceti.com	2016		
24 	CTC GROUPE THERMICUIR	Recovering heat from waste leather from end-of-life shoes.	Régis LETY rlety@ctcgroupe.com	2016		
25 	LA MANUFACTURE GROUPE ERAM DESIGN FOR REPAIR	Developing a new design and manufacturing process allowing for easy disassembly of all components in a shoe at end of life.	Gauthier BEDEK gbedek@eram.fr	2016		
26 	L'ÉQUIPE 1083 JEANS RECYCLÉS	Developing a recycled cotton yarn from old jeans.	David LEROMAIN david@1083.fr	2016		
28 	SILAC INDUSTRIE ECO3F	Making a range of acoustic insulation for the automotive industry from used textile materials.	Valéran HIEL vhiel@silacindustrie.com	2016		
29 	IFTH / UTT / LE RELAIS CAREFIL	Improving the quality of yarns made from recycled used clothes.	Philippe MESNAGE pmesnage@ifth.org	2017		

N°	Project developer name Project name	Project	Contact / Mail	CFP	Strat. line	Status
30 	CID PROCESS CID PROCESS	Mechanical separation of cotton and elastane in used jeans.	Roland GUIBERT roland.guibert@wanadoo.fr	2017		✗
31 	L'ÉQUIPE 1083 CELL-JEANS	Wet-spinning cotton waste from used jeans in order to create a man-made cellulosic fibre.	David LEROMAIN david@1083.fr	2017		
32 	CAMY HODEI	Designing and developing a modular, monomaterial and recyclable shoe.	Benjamin CAMY benjamin@hodei.fr	2017		
33 	AUDACIE PLAS'TILE	Recycling used non-reusable textiles into plastic resins.	Charlotte WALLET c.wallet@audacie.org	2017		✓
35 	AGENCE AIR COOP REVIVE/RECYCLE	Setting up a pilot project for repairing used clothes and preparing them for recycling.	Virgile AYMARD va@air.coop	2017		✓
36 	LES TISSAGES DE CHARLIEU LES TISSAGES DE CHARLIEU	Improving, in terms of technology and industrial process, an article entirely made of recycled post-consumer intra-European polyester, and assessing the difference between cost price and market price.	Éric BOËL e-boel@lhc-jacquard.com	2017		✗
37 	AUCHAN RECYC'LAB	Recovering fibres from end-of-life clothing into mobile phone cases using the Roctool induction heating technology.	Isabelle DAYDE idayde@auchan.fr	2018		✗
38 	DECATHLON 4RFID	Developing a pilot to achieve textile traceability, allowing for their end-of-life management, thanks to the RFID technology.	Stéphanie BAILLY stephanie.bailly@decathlon.com	2018		➡
39 	FCBA MOBIOTEX	Assessing the possibilities of using recycled textile fibres as an essential component of wood framed constructions.	Zaratiana MANDRARA Zaratiana.Mandrara@fcba.fr	2018		✓
40 	MAXIMUM TISSIUM	Developing a rigid material made from textile waste fibres intended for furniture manufacturing for the tertiary sector.	Romée DE LA BIGNE romee@maximum.paris	2018		✓
56 	MAXIMUM TISSIUM INDUSTRIE	Development of a pilot production unit of the rigid composite material Tissium, made from recycled textile waste, in the form of machinable panels for the furniture and furnishing markets.	Romée DE LA BIGNE romee@maximum.paris	2021		NEW
41 	TECHTERA JEPLAN	Assessing the reliability of an implantation project in France of a JEPLAN's plant for recycling used polyester textiles into recycled PET pellets.	Julie RAFTON -JOLIVET jrafton@techtera.org	2018		✓
42 	VERT-TICAL NORD ÉCO-LOGIC WALL	Developing a green wall using recycled textiles to replace substrates and sphagnum (natural moss) currently used.	Frédéric LOGEZ contact@vert-tical.fr	2018		✓
55 	VERT-TICAL NORD SOLIOTI	Development of a full size (> 50m2) green wall demonstrator integrating a recycled textile nonwoven and an optimised watering system.	Frédéric LOGEZ contact@vert-tical.fr	2018		➡
43 	WECOSTA QWIET	Developing solutions to improve the acoustic comfort in public spaces (offices, industrial premises, etc.) by using ecological materials including materials from the used textiles sector.	Hugues BROUTÉ hbroute@wtxautomotive.com	2018		➡

N°	Project developer name Project name	Project	Contact / Mail	CFP	Strat. line	Status
44 	CYCL-ADD TEXTIC	Developing a recycling process for used non reusable polyamide clothing, including sorting, trimming, characterisation, micronization and compounding for plastic making.	Hervé GUERRY hguerry@cycl-add.fr	2019	 	✓
45 	FABBRICK FABBRICK	Developing a structural, insulating and aesthetic construction material from recycled used textiles.	Clarisse Merlet clarisse.merlet@fabbrick.fr	2019		➔
46 	FILATURES DU PARC PAMREC	Recycling used polyamide clothes into a recycled yarn for use in textile products.	Fabrice LODETTI filatures.parc@wanadoo.fr	2019	 	➔
47 	HUMEAU BEAUPRÉAU REBOOT	Pre-study on the feasibility and cost of recycling used PVC footwear; and testing of a recycling loop with defining specifications for setting up the recycling loop at an industrial scale.	Anne-Céline Humeau ac.humeau@bopy.fr	2019	 	➔
48 	IDELAM RECHAUSS	Developing an innovative technology for delaminating shoes (leather/textile) by supercritical fluid and a new recycling loop for used shoes.	Eric DURIVALT eric.durivault@idealtechnologies.fr	2019		➔
49 	LE SLIP FRANÇAIS LE SLIP CIRCULAIRE	Developing a yarn containing the highest possible % of recycled cotton with a fineness up to 1/60Nm from used underwear and socks for use in the making of Le Slip Français' products.	Solène NAEYE solene.naeye@leslipfrancais.fr	2019	 	➔
50 	SYNERGIES TLC UTILE	Feasibility study of setting an industrial unit for the trimming and sorting of used cotton, polyester and polyamide textiles (100% and blends), based on material specifications defined with recyclers.	Clara POTTON c.potton@synergies-tlc.com	2019		➔
51 	VALVAN TRIMCLEAN	Development of an automated integrated solution that allows the removal of trims (including labels, buttons, zippers etc.) from used clothing.	Maurits VANDEPUTTE maurits.vandeputte@valvan.com	2019		✓
52 	Groupe ERAM ZAPATEKO II	Development of a demonstrator for disassembling non-reusable footwear via automated sorting and assisted pulling.	Gauthier BEDEK gbedek@eram.fr	2020		➔
53 	Phénix Sport R-SHAPE	Developing a demonstrator for recycling non-reusable polyester sportswear into a plastic composite material used to create sport accessories (cups, cones, blocks, etc.).	Paul-Emmanuel GUINARD paul@phenix-sport.com	2020		➔
54 	SOEX TextID	Developing an automated sorting pilot line for textile materials recognition though NIR spectroscopy to the industrial scale.	Louisa TEMAL temal@ico-spirit.com	2020		➔
57 	IMPACTE CAPITAL REVIVAL	Building a demonstrator using EVA (elastomeric polymer) derived from the recycling of used sneaker outsoles to make underlay for parquet flooring.	Hélène GUERRET helene@impacte.capital	2021		NEW
58 	CEA MISTERY	Prototyping the use of multispectral optical sensors for the characterization of used household textiles.	Gaël PARENT gael.parent@cea.fr	2021		NEW
59 	INDUO GREENCOSE	Testing the Greencose chemical recycling process on cotton-rich used textile feedstock.	Sébastien FRANCOIS sebastien@induo.fr	2021	 	NEW
60 	RECYC'ELIT AURAREFIL	Adapting the Recyc'Elit chemical recycling process to transform post-consumer non-reusable polyester textiles (pure and blended) into recycled polyester threads.	Raouf MEDIMAGH r.medimagh@recyc-elit.com	2021	 	NEW