

1st Thematic Seminar

“Recycling in textile and waste disposal”

Alcoi, 20th Oct. 2016
@Ágora - Plaça Ramón i Cajal, 6

organised with the collaboration of



Ajuntament
d'Alcoi



European Union
European Regional
Development Fund



VALLÉE DU RECYCLAGE
TEXTILE
RECYCLING VALLEY

Develop innovation and stimulate economic action in the field of recycled textile and circular economy

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FRANCE

The recycled textile

2015



600 000

Tons in the market of textile industries, linen and shoes

40 000

Collection Centers

32,5%

Of worn textiles Collected

176 200

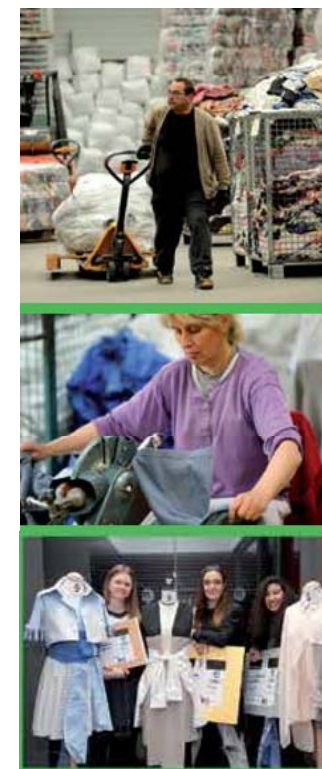
Tons collected and sorted out in

3 kg

Per capita

18%

Re-use



The Region

Hauts de France region was fixed as objective to become one of the most efficient, productive and sustainable world regions.



As it is the historical production and manufacturing location, the Hauts de France region has a huge deposit of textile waste. Even after delocalization, there is a large number of major producers in the region.

The Region leads different projects related to sustainability, circular economy and new ecological business models.

The CETI can also accommodate and assist in the development of collaborative R&D projects.

Textile Recycling

Introduction Valley

On account of the urgency to structure the textiles recycling sector and to develop the materials from which they will be sourced, but also to develop the collection of used textiles, the four excellence and competitive clusters:



- Build a common strategy and pilot it together
- Orient the research about regional and international current situation.
- Finance the innovation: AAP and INTERREG projects
- Rise and label innovative collaborative projects support on the technological platforms
- Analysis and cartography of different expertise and networking the of qualified stock deposits
- Support the new eco-business and development of new eco-design, circular economy activities
- Lead the network
- Promote collectively the initiative

Whats exactly



Textile Recycling Valley is an agreement which aims to Develop innovation and stimulate economic action in the field of recycled textile and circular economy

The main goals are

- ✓ Create profitable businesses and sustainable jobs in the textile eco-business (recycling, circular economy)
- ✓ Raise new skills to meet the sustainable sector's needs
- ✓ Create a sustainable strong chain of value
- ✓ Support, rise and label innovative eco-projects
- ✓ Create a transferable model

This agreement has the support of the French government, the Conseil Régional Hauts de France and Lille Métropole Européenne de Lille.

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Textile Recycling Valley

Ho?



Watching

- Potential Actors
- Regional and National Know-how
- Sustainable Supply chain
- Experts and environmental Institutions (ADEME, HTS DE FR)

Awareness

- Congress
- Symposiums
- Workshops (Sorting, Eco-design, analysis of the life cycle)
- workshops, colloquium and thematic Days

Communication

- Dissemination and promote
- identify the modus operandi of communication and raising awareness

Projects

- Promote
- Rise
- Support

Innovative eco-projects

Textile Recycling Valley

lille—design
paper*



n°2

*Ne pas laver en machine

LANCEMENT DE LA VALLÉE DU RECYCLAGE TEXTILE

La Vallée du Recyclage Textile (VRT) a été lancée en 2013 par quatre pôles d'excellence et de compétitivité, le CD2E (éco-activités et éco-transition), T2M (Textile Mode & Matériaux), TEAM² et UP-tex. Nous sommes également parrainés par Eco-TLC, l'éco-organisme français collecteur des éco-contributions des metteurs en marché dans l'habillement, le linge de maison et la chaussure. Nous avons choisi d'unir nos forces, nos savoir-faire et compétences autour d'un plan d'actions commun afin de développer des projets innovants et stimuler l'action économique dans le champ des textiles recyclés et de l'éco-conception. La VRT a principalement pour mission la création d'activités rentables et d'emplois pérennes dans le recyclage textile par la mise en relation des entreprises et des différents projets existants de recyclage des déchets textiles.

Ho?



W Colloque

18 DECEMBRE 2014

RECYCLAGE TEXTILE LA VAGUE PORTEUSE



La vallée française du recyclage textile en tissage à Lille

A peine deux des douze kilos de textile achetés chaque année par chacun d'entre nous est collecté. Et ce qui est collecté est loin d'être recyclé. Les acteurs du développement du textile et des éco-activités s'associeront demain, au salon lillois Environord, pour créer une nouvelle filière inédite en France sur le recyclage des textiles.

PAR YANNICK BOUCHER
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PHOTO ARCHIVES SAMI BELLOUMI

Ce temps fort du salon des solutions environnementales marquera à la fois la volonté de l'industrie textile de réussir sa (douloureuse) reconversion, et celle des pilotes de l'économie verte d'afficher leur dynamisme. Les deux pôles de compétitivité Up-Tex (textile) et Team2 (recyclages) s'unissent avec les pôles d'excellence T2M (textile mode et matériaux) et CD2E (éco-entreprises) pour capter et structurer le marché colossal de la



On peut acheter neuf, mais on peut aussi choisir des vêtements recyclés, comme le sont deux sur trois dans le monde.

ZOOM

Au programme

Le salon Environord ouvre ce matin à Lille Grand Palais avec cent quatre-vingt-cinq exposants sur les éco-solutions, jusqu'à jeudi soir. Le congrès européen des éco-technologies l'accompagne pendant ces trois jours où l'on attend plus de six mille visiteurs dans ce qui est devenu le plus important événement sur l'économie verte au nord de l'Europe. Le congrès consacre cette journée de mardi à la ville durable, dans toutes ses dimensions.
► www.salon-environord.com
► www.eco-technologies.org.

« *tribunaux de textiles.* » Entre la famille Mulliez et les leaders de la vente à distance (3 Suisses International, La Redoute), l'idée ne peut que séduire. Eco-TLC, l'éco-organisme national du textile, a d'ailleurs été créé par un ancien de Klabi et s'associe à la nouvelle val-



Textile Recycling

Valley Examples

Recycling / upcycling / waste disposal

EKO ROOM:

Development of paving stones of acoustic false ceilings in recycled textile

Coordinator : LE RELAIS
Partner : WECOSTA



Spécialiste de la thermo-compression

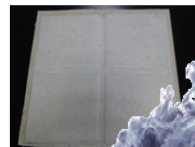
Acoustic air intake duct



Spécialiste de la fabrication de non-tissé thermolié

EKO ROOM

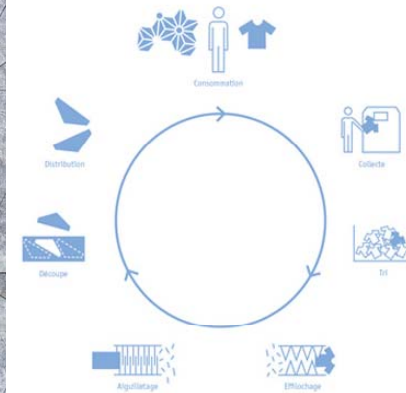
Dalle de faux plafond acoustique



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BETON DE CHIFFONS

Ornamental recycle Pave anti-noise



Textile Recycling Valley



CALAFIL

CALAFIL opens a new path of recovery for recycling these virgin production falls.

The project was launched at the initiative of CD2E

This project aims to valorise waste from: polyester, viscose, polyamide, acrylic and cotton, to create new eco-designed products from waste.

Calafil is a new way of recovery for recycling scrap virgin production. It is an innovative industrial organization in line with the Textile Recycling Valley in Nord-Pas-de-Calais region.

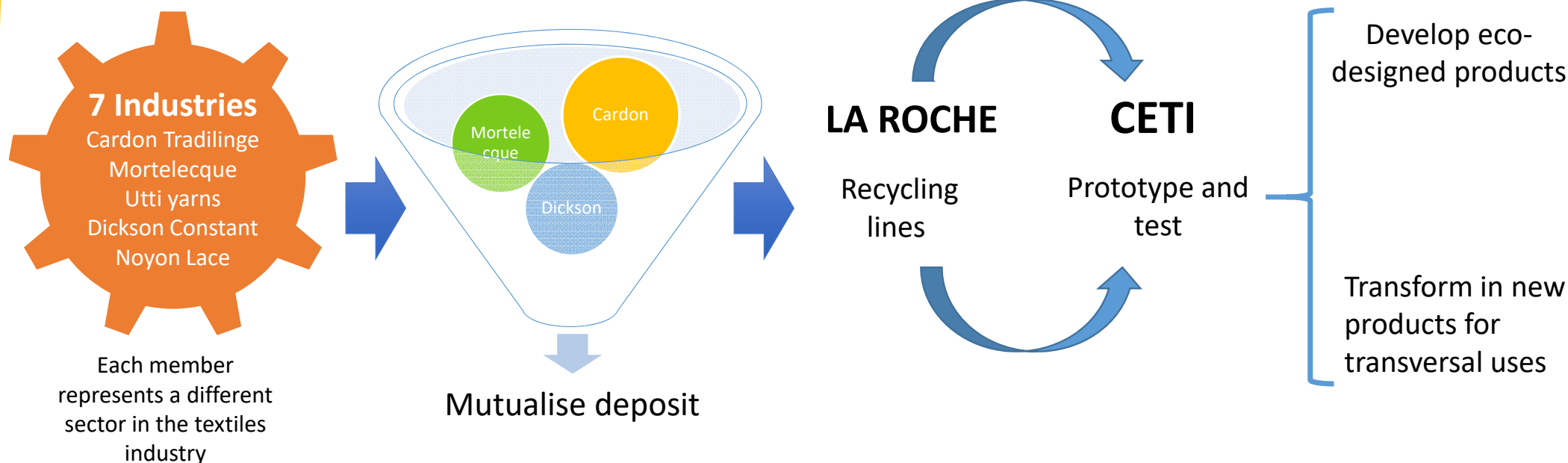
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Textile Recycling Valley

CALAFIL

Among other, recycle the lace yarns "falls" of specialists of Calais lace to transform in filters for technique industry.



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Whats happened in the Region from Textile Recycling Valley 2013



- ✓ Following the Calafil test prototypes, industries have planned to create new dedicated jobs for recycling and promoting eco-conception of products.
- ✓ CETI is setting-up one of the most ambitious eco projects in France about recycling / **REWIND**
- ✓ Textile Recycling Valley organized several international Colloquium and congress
- ✓ Fashion brands are more than ever interested by the dynamism created in the Region around sustainability
 - ✓ ID Group (Okaidi / Jakadi) is committed on the collect of worn fabrics and sustainable development.
 - ✓ Happy Chic (Jules, Brice, Beezbee) has launched a new Made in France collection from recycled jeans recycled at 98%.
 - ✓ The ecological cluster and La Redoute performs workshop with the aim of improving their sustainable strategy.
- ✓ The industries, competitiveness poles, fashion and sport brands and Research and Development centers work together to look for solutions addressing environmental issues.

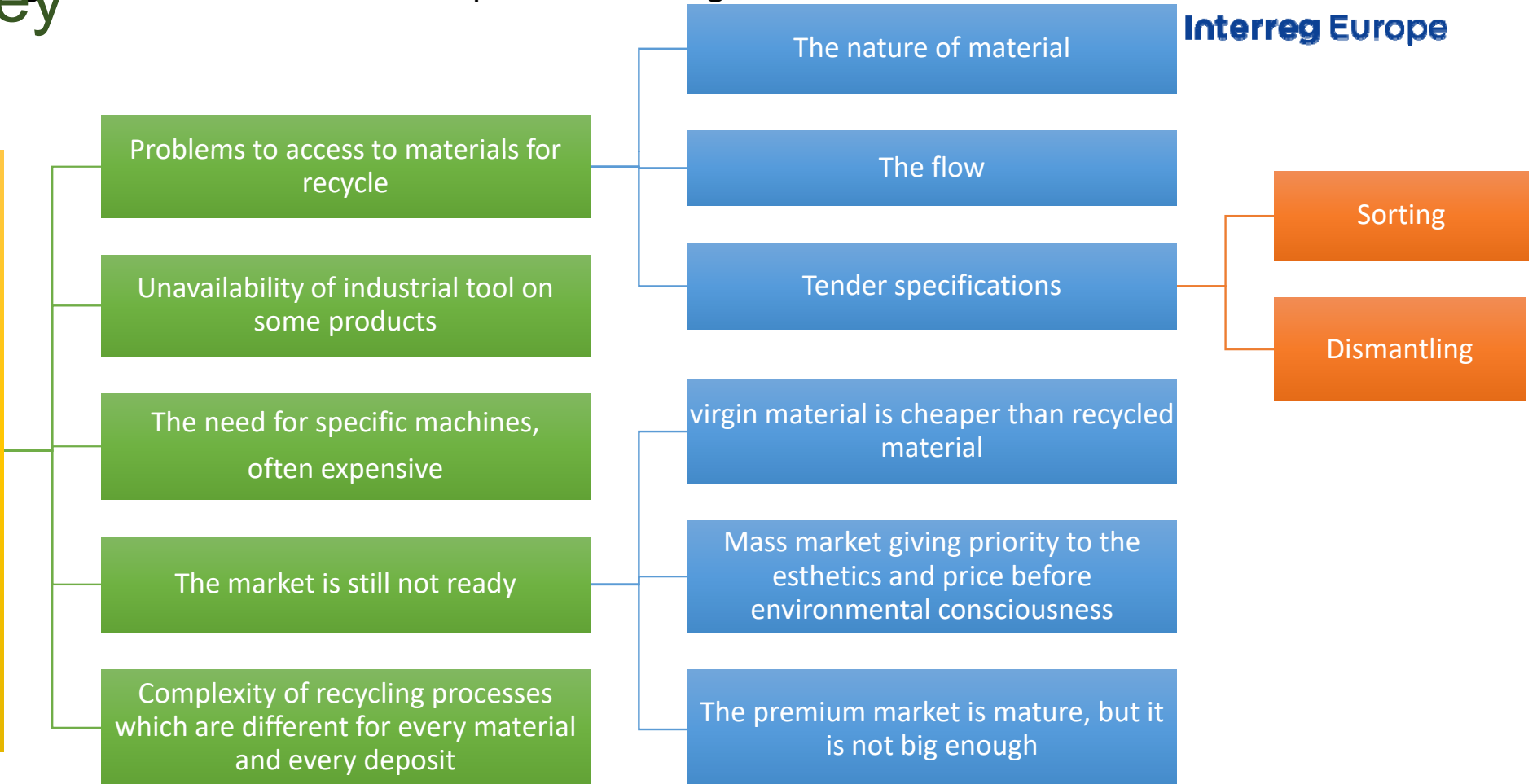
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Textile Recycling

Technological barriers still exist which prevent building an industrial economical model

Obstacles



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Textile Recycling Valley

To go further



OPPORTUNITIES

1

Establish a transferable innovative eco-model

2

Identify “secondary materials” required by the market

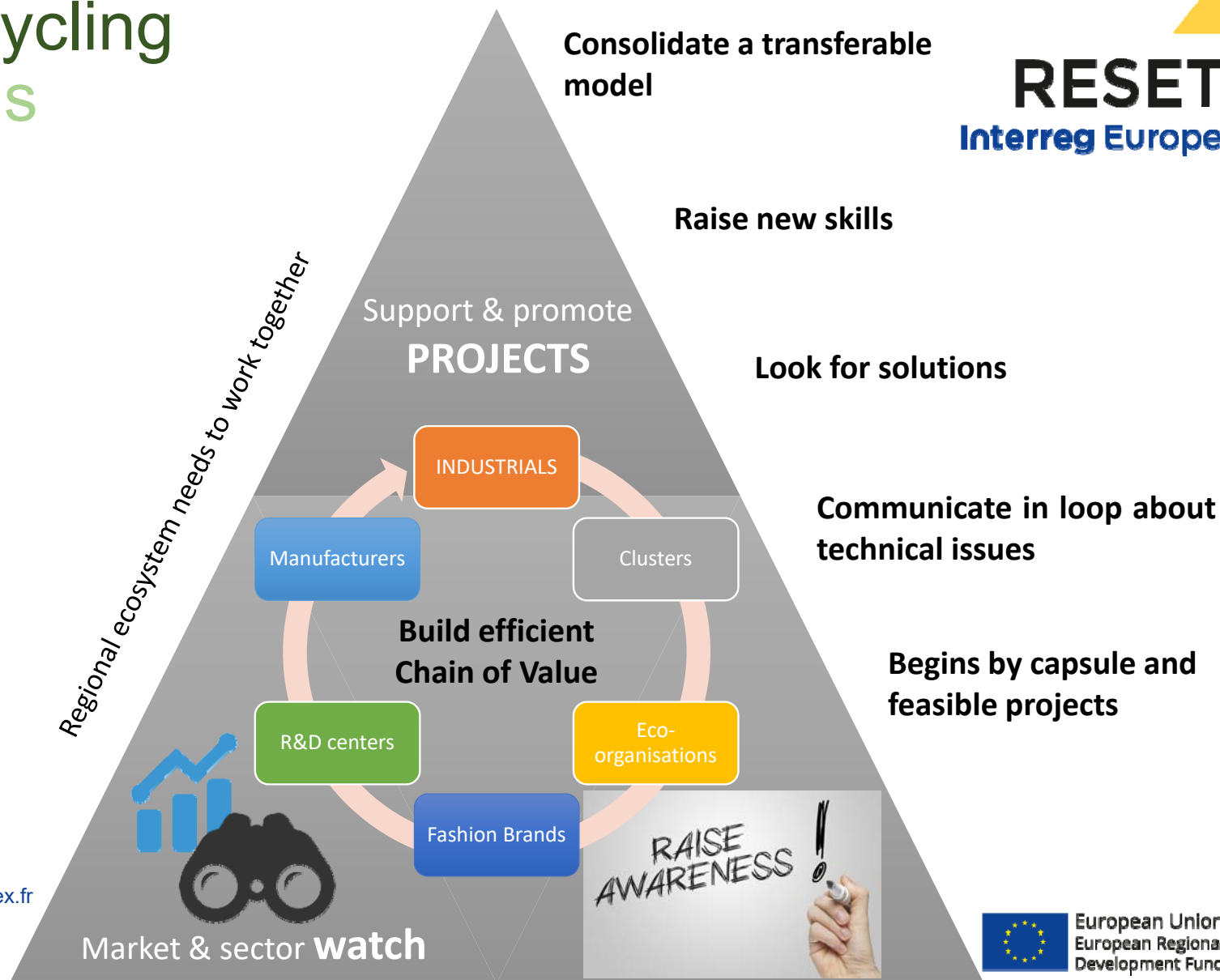
3

Identify new potential markets and create an efficient value chain

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Textile Recycling Conclusions Valley



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