



D4.2 Statement of ETV verification and eco-labels definition

Executive summary

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URBANREC project aims to valorize urban bulky waste into high added value recycled products. It focuses on the following raw materials : PU foam, wood, mixed hard plastics and mixed textiles. URBANREC will also implement an eco-innovative and integral bulky waste management system and demonstrate its effectiveness in different EU regions (Spain, Turkey, Poland, Belgium).

In the framework of the project, several demonstrators based on the use of recycled products coming from waste were defined :

- Foam core layer and foam top layer
- Adhesives
- Needlefelts
- Fibre reinforced composites
- Wood based composites
- Insulation panel
- Solvent or additive for fuel (methylal).

For all these products, it is important to select the most adapted ecolabel in order to prove their reduced impact environment throughout their life cycle. European ecolabel but also number of other ecolabels as well as national ones coexist well.

In this deliverable, the following Ecolabels were presented by analysing their geographic scope, features, impact on the market.



Finally, the partner in charge of the production of the previous demonstrators selected the most adapted ecolabel for their product.

In parallel, RESCOLL was in charge of investigating the possibility to implement Environmental Technology Verification (ETV) on the polyurethane foam chemical degradation process developed by RAMPF.

ETV is a new tool to help innovative environmental technologies reach the market. Claims about the performance of innovative environmental technologies can be verified by qualified third parties called "Verification Bodies". The "Statement of

Verification" delivered at the end of the ETV process can be used as evidence that the claims made about the innovation are both credible and scientifically sound.

Conclusions of the quick (first step in the ETV evaluation process) enable Rescoll to build a list of recommendations and requirements on test design that would have to be followed in order to continue in this direction.