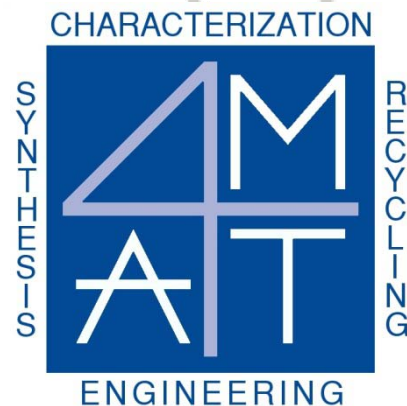


Université Libre de Bruxelles (ULB) 4MAT Department Recycling & Environment Group



ULB/4MAT & Recycling Group

Expertise:

- Life-cycle assessment:
 - Solar energy and energy storage
 - Wood manufacturing processes & hybrid LCA
 - Social aspects in building sector
- Waste management & disassembly (PV cells)
- Materials science (mainly inorganics)
- Selection of materials, especially regarding durability

Equipment (relevant for waste study):

- SimaPro and access to LCA databases
- Materials and chemicals characterization: SEM, TEM, ICP, FTIR, TGA,...

ULB/4MAT & Recycling Group

Proposed project:

- Topic: social economy to increase recycling at the urban scale
 - Increasing recovery of waste through local/social economy
 - Focus on electronic scraps, rare earth metals,...
- Partners: CF2M/CF2D, RETRIVAL, SAWB, FEBRAP, 21Solutions
- Desired partners
 - Regions or municipalities > 1 000 000 inhabitants
 - Expertise in sociological aspects of waste management (center/univ.)
 - Industrials seeking to increase recycling rate of metals & polymers



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