



(LIFE12 ENV/ES/000568)



Recovery of tannery wastes for functional microencapsulated products

OBJECTIVE:

Demonstration of the feasibility of collagen and gelatines recovery from non-tanned tannery wastes, with suitable properties for their use as shell-forming polymers in microencapsulation processes of active substances.

PROJECT ACTIONS:

- Establishment of best conditions for collagen and gelatine extraction to adequate their properties to the desired application.
- Development of a demonstration plant for the *in situ* recovery of untanned wastes.
- Demonstration of the use of collagen and gelatine obtained in the demonstration plant in the microcapsules production.
- Assessment of environmental and economical impact of untanned waste recovery.
- Project dissemination.

EXPECTED RESULTS:

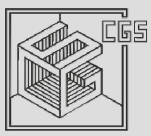
- Availability of a procedure for the recovery of untanned solid waste from tanneries in the European Union.
- Valorisation of 15% of untanned solid waste.
- Reduction of waste transportation, with the resulting reduction in the CO2 emissions and environmental costs of the tanneries.
- Production of valuable by-products, providing the tanneries with the new niche opportunities.

PROJECT DATA:

- Strand: LIFE+ Environment Policy and Governance
- Starting date: 01/11/2013
- End date: 31/10/2016

Coordinating Beneficiary:

Associated Beneficiary:



<http://microtan.eu>