



LIFE14 ENV/IT/000443 LIFETAN



LIFETAN – Eco friendly tanning cycle

Funded by the European Union with the LIFE programme (2014-2020)

PROJECT

LIFETAN aims at demonstrating, in the whole leather tanning process, the use of innovative natural products and technologies for the bating, defatting, fatting, dyeing and tanning phases.

OBJECTIVES

The main environmental, social and economic goal is the replacement of current commercial chemical and toxic products with natural products in the whole tanning cycle, in order to establish a significantly eco-sustainable and convenient business for companies. Production of high quality leather products, traditional or new, perfectly workable.

Demonstration at three levels:

- 1st. Laboratory level
- 2nd. Semi-industrial level
- 3rd. Pre-industrial level

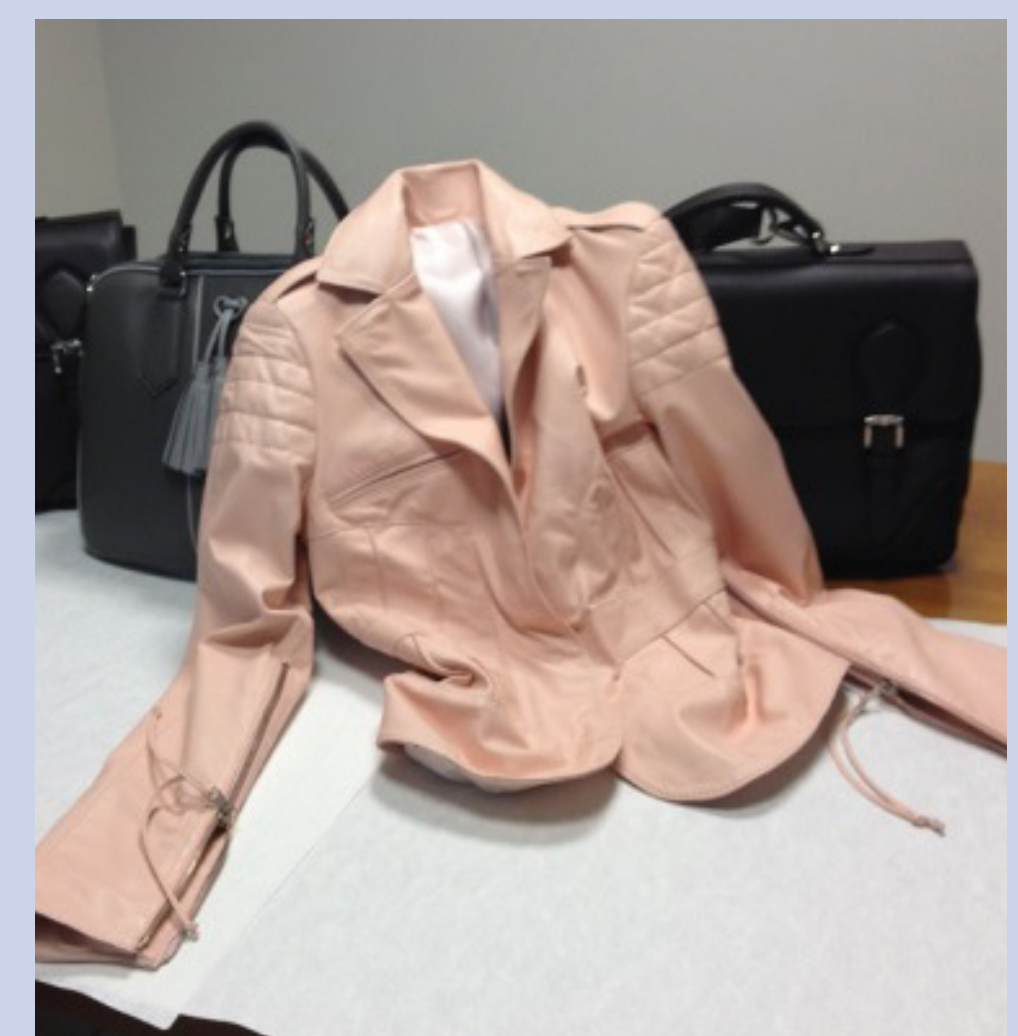
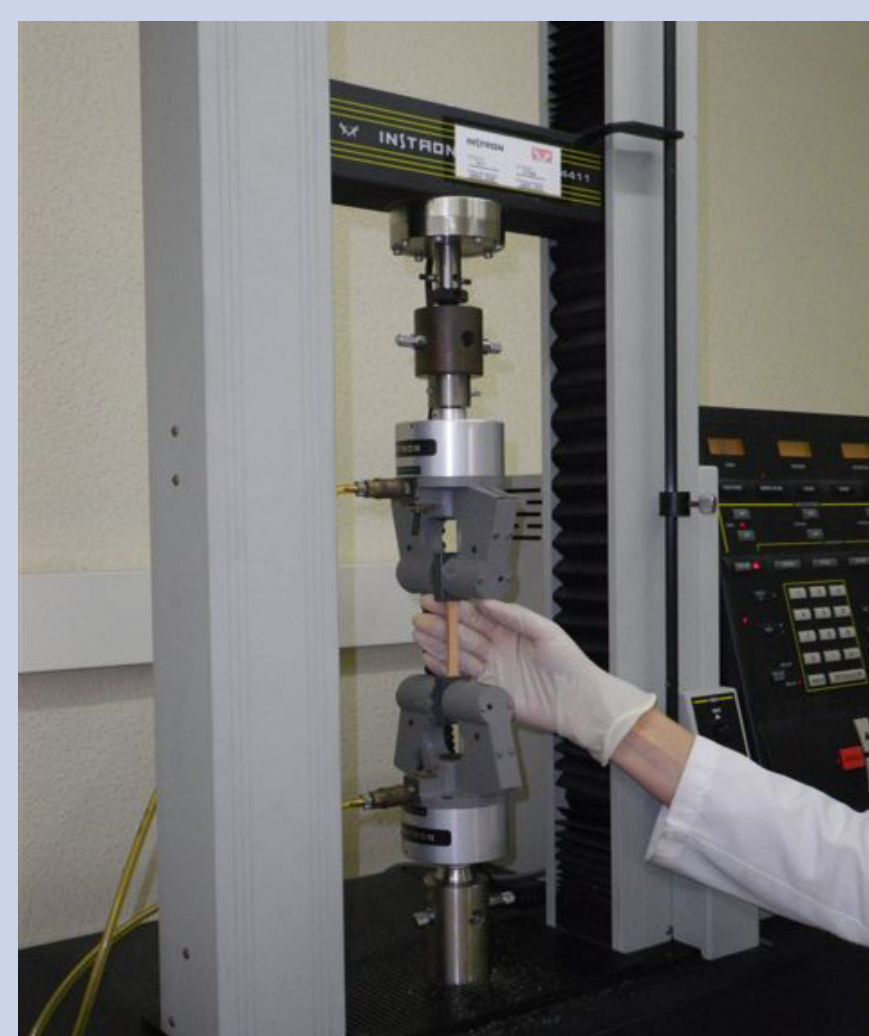
EXPECTED RESULTS

- 6 new tanning formulations with natural products
- recycling and use of poultry waste to obtain technical products for the bating phase
- 100 leather samples tanned with natural products for each level:
 - laboratory - semi-industrial - pre-industrial
- further 100 leather products in line with EU Ecolabel criteria
- 20% reduction of pollutants in wastewater
- 20% reduction of water consumption
- 20% reduction of greenhouse gases
- increased biodegradability of the used molecules
- increased penetration of hides by novel products and high performance of the finished product
- demonstration of the technical, social and economic feasibility of chrome-free leather tanning.

www.lifetan.eu

Project coordinator Alice Dall'Ara alice.dallara@enea.it

(Duration: 01/10/2015 – 30/09/2017)



Project coordinator

Beneficiaries

