











LIFE16 ENV/IT/000416

"GOAST"-Green Organic Agents for Sustainable Tanneries

S. Tieuli¹, M. Signoretto¹, F. Menegazzo¹, R. Pasquale², M. Silvestri³, E. Mistrorigo⁴

1 Università Ca' Foscari- Venezia, Dipartimento di Scienze Molecolari e Nanosistemi, Venezia, Italy,

2 GSC GROUP SPA, Montebello Vic.no, Italy,

3 PASUBIO SPA, Arzignano, Italy,

4 MEDIO CHIAMPO S.P.A., Montebello Vic.no, Italy;

sebastiano.tieuli@unive.it

WHAT

LIFE GOAST project is an European project funded by LIFE Programme, which focuses on the implementation of a novel leather tanning technology. Therefore, LIFE GOAST combines the expertise on leather chemical auxiliaries with high level tanning competences and waste-water treatment management to give an innovative and complete approach to leather tannage.

EQUIPMENT SET-UP TEMPERATURE GSC GROUP CONTROLLER PASUBIO A pilot plant for for leather, for you Thermocouple Quartz tube MASS FLOW CONTROLLER **GOAST** shaving Implementation for the Implementation of production and the production of waste treatment characterization of eco-friendly leather articles polymer-based will be realised. N_2 adopting the new FURNACE tanning agent **GOAST tanning process** TEMPERATURE Combustion boat CONDENSERS CONTROLLER Implementation of the biological wastewater **Revaluation of the** GOAL treatment process using **GOAST** shaving waste for the **BIO-CHAR** wastewater generated **GOAST SHAVING WASTE** production of by the new GOAST process "biochar" and its MEDIO CHIAMPO SPA application as SOIL **IMPROVER** LIFE16 ENV/IT/000416 **Improved** soil carbon **PYROLYSIS Decreased** nutrients runoff Improved soil Improved soil water **CHARACTERISATION OF** retention **Fatliquoring agents BIO-OIL SHAVING WASTE**















