

**ECOMINING**

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**AN INNOVATIVE  
MODEL BASED ON  
CLEAN TECHNOLOGIES  
FOR THE EXTRACTION  
OF ARIDS (GRAVEN  
AND BARREL) AND THE  
GENERATION OF  
POSITIVE  
ENVIRONMENTAL  
SCENES**

**ECOMINING**

# ECOMINING

The project pursues to demonstrate the feasibility of innovative models on a European scale based on clean technologies and the obtaining of final scenes with a positive environmental balance for the activity of extraction of arids (gravel and barren).

## OBJETIVES:

1°.-Demonstrate the high minimization potential of negative environmental impacts on the sector; water, air, ground, environment and biodiversity, through the implementation of innovative clean technologies.

2°.-Experiment the feasibility of an innovative sustainable extraction model for transference purposes that combines the clean technologies with other prevention and minimization measures of environmental impacts (best practices).

3°.-Promote the introduction of innovative concepts aimed at generating favourable environmental impacts (improving instead of restoring and agreeing instead of arguing); using the potential of the mining activity in order to act on the environment.

Two activity ambits and three experimentation lines:

Ambit concentrated on preventing and minimizing negative environmental impacts:

**LINE 1:** Validation of the prototype based on clean technologies combined with the objective of demonstrating high water savings in mineral washing processes and the maximal recovery of this hydric resource through an optimal and friendly drying of the mud generated; reducing water uses, drainage rafts and those problems linked to.

**LINE 2:** Validation of a "sustainable exploitation" model with a great transferability potential, which assembles 15 best practices orientated to demonstrate and to quantify the minimization of the negative impacts generated by this activity.

Ambit concentrated on generating positive environmental impacts:

**LINE 3:** Model two final scenarios with a "positive balance" on the environment, using the potential of the mining activity to influence on the setting (improving instead of restoring and agreeing instead of arguing for the environmental benefit).

**Line 3.1:** Model aimed at demonstrating the potential of a planned restoration to define a final scenario with a high ecologic value.

**Line 3.2:** Model aimed at demonstrating the potential of the Environment as a conciliatory element of antagonistic interests when the property of the land and the mining right miner are in different hands, through the environmental improvement directed to the land use and planning and the enrichment of grounds for forest and/or agricultural purposes, green spaces of leisure...

