

An experience of environmental protection and urban regeneration

Giuseppe SCARATTI - *University of Bergamo*

The main purpose of the workshop is to present the project for the construction of a paper and plastic regeneration plant to optimise the economic yield of separate waste collection and the treatment of bulky waste, for the benefit of the entrusting municipalities. The site identified is contiguous to the Chiuduno (BG) operating site and will be built in the municipality of Grumello (BG).

The treatment plant will be able to receive waste collected from the entities already currently served, as well as from the new municipalities. The plant will be completely immersed in the green area that surrounds it; the land will be modelled on the sides of the structures, making the production buildings invisible from the outside and thus guaranteeing the best possible landscaping. The land thus modelled will provide an experimental agricultural area where olive trees, vines and vegetables will grow. The quality of the agricultural products grown alongside the plant will be monitored and controlled in research laboratories, thus demonstrating the possible coexistence of plants, health, and environmental quality. The plant will include a conference centre that will house the auditorium and laboratories, and a fully protected educational trail will run along pedestrian walkways that are safely accessible and will allow visitors to closely observe the activities carried out by the production lines, as well as to walk through green spaces among typical local crops.