



## INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

"KEY ELEMENTS FOR A SUSTAINABLE WORLD: ENERGY, WATER AND CLIMATE CHANGE"

### Proposal of Environmental Recovery of the Urban Area of the Ouro Monte River Watershed

D. Mondardo <sup>a</sup>, P. P. Bellon <sup>b</sup>, L. B. Santos <sup>c</sup>, C. C. Meinerz <sup>D</sup>, A. F. Haoui<sup>E</sup>

*A.c. Universidade Estadual do Oeste do Paraná, Marechal Cândido Rondon, - PR  
daniela Mondardo, [loanabergamo@gmail.com](mailto:loanabergamo@gmail.com)*

*b.d. Universidade Estadual do Oeste do Paraná, Marechal Cândido Rondon – PR,  
patriciabellon, [crismeinerz@hotmail.com](mailto:crismeinerz@hotmail.com)*

*e. Universidade Tecnológica Federal do Paraná, Medianeira,  
[ali.haoui@hotmail.com](mailto:ali.haoui@hotmail.com)*

---

#### Abstract

The transformation of the rural environment into urban environment will always result in important ecological changes. The planning of a city mustn't be linked only with the urban center, but also with the rural places, including an ample region, inclusive hydrographical basin, if they exist.

It's necessary to do a study of the soil use and its discipline, verifying the areas of using, occupations and activities to be done to keep its quality and its balance in an acceptable level. Therefore, the purpose of this project is to assess the environmental aspects of the "Monte Ouro" river source and to propose solution to recover the same one. Also, to the stretch which goes through the neighborhood "Parque Independência", located in Medianeira borough, proposing conscientious alternatives to the soil treatment, creating a drain treatment system, generated by the drain of rain waters residences. It also suggests a plan of environment control to possible future problems in the neighborhood.

*Keywords: Urban, Ecological planning, Sustainable environment.*

---