

Technology's description

The technology, developed by IRD and Cadi Ayyad University (Morocco), uses the beneficial effects of native mycorrhizae found in contaminated mine sites to improve the phytostabilization process of the area with using fast growing plants, for example *Eucalyptus spp*, *casuarinas*, *jatropha curcas* or Australian acacias.

Thanks to this process, the mobility and dispersion of contaminants in soils are decreased. Consequently, the dust contamination in the air, in ground waters and agricultural lands at the vicinity of contaminated sites can be contained.

This innovative and environmentally friendly process is the appropriate solution to overcome the dispersion of heavy metals in the vicinity of contaminated sites.

Advantages

- Resistant & adaptable to any kind of environment & heavy metals ;
- Easy to use & inexpensive with respect to conventional physico-chemical treatments ;
- Environmental friendly.

Intellectual property

Patent

Development level

Technology validated in relevant environment



Applications

- Mining sites, Storage sites, site reclaiming, industrial area reclamation.

Technology transfer

- Licence, know-how,
- Co-developments.

