

# Addition of inorganic by-products to sewage sludges to stabilize organic carbon



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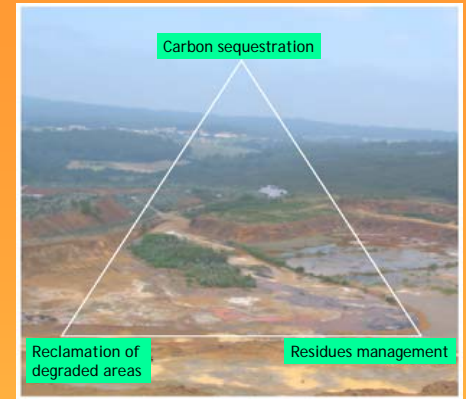


# IDEA

To elaborate soils from mixtures of unconsolidated residues derived from human activity. This could be a feasible method of reusing waste products and restoring degraded areas

# OBJECTIVE

- Greenhouse experiment to elaborate mixtures of residues:
  - reduce heavy metal availability
  - improve nutritional balances
  - stabilize organic C (described only this objective)



- AN sewage sludge
- AE sewage sludge
- AN + AE sewage sludge (50:50 DW basis)
- Shot blasting machine scrap
- Fettling
- LD slag
- Green foundry sand
- Fly ash
- Barley straw

- 3 replicates
- Daily irrigation to field capacity with DD-water
- No drainage
- 4 wk incubation



85:15 and 65:35 mixtures (DW basis, except straw 99:1 and 97:3)

