

SOURCE OF POLLUTION

The Chiarini 2 site is located in the surroundings of Bologna (44° 50' N, 11° 28' E). It is part of a former **illegal landfill**, subject since the end of World War II to **dumping** and deposits of **waste of various origins** (war residues, stockpiles, artisanal waste, raw materials, industrial waste).



Bologna, Italy

TRIAL CROPS



SORGHUM



HEMP



MISCANTHUS

TREATMENTS APPLIED

Control and humic/fulvic acids x mycorrhizae are common to all crops, the third treatment is specific for each crop:

- Humic and fulvic acids for miscanthus
- Protein hydrolysates for hemp
- Protein hydrolysates x mycorrhizal for sorghum

SUMMARY

Cu (copper) and Zn (inc) were detected in the above-ground biomass of all the three crops.

In the second year lower concentrations and accumulations were detected

RESULTS

Treated plots produced higher yields than control ones in sorghum in both year

No treatment positive effect recorded for hemp

Treated plots produced higher yields than control ones starting from the second year in miscanthus

