

TITOLO: **ANALISI AGRONOMO-AMBIENTALE DI SITI CONTAMINATI**

Title: **AGRONOMIC AND ENVIRONMENTAL EVALUATION OF CONTAMINATED SITES**

PROJECT

The projects (REF. HEU PROJECT “EDAPHOS”) will look into a holistic and innovative land management approach to contribute to the Mission “A Soil Deal for EU” and to its specific objective “Reduce soil pollution and enhance restoration”. During the research activity will develop a framework for land rehabilitation and ecological restoration of contaminated areas featuring nature-based solutions (NBS) technologies, to accelerate the recovery of contaminated lands to a healthy ecosystem status and making ecological restoration a mainstream business endeavor. The research project will improve the monitoring of contaminated soils and the understanding of precise pollution sources at selected EU regions and will perform lab and field studies to validate the technological readiness and the cost-effectiveness of NBS (i.e., co-cropping) as effective remediation strategy for reducing soil contamination in urban, peri-urban and rural settings and land uses. The best combinations of co-cropping systems will be determined to deliver optimized NBS to the market.

On the basis of the above, the research fellow is required to have good knowledge of non-food species with phytoremediation capacity, good knowledge of written and spoken English, basic knowledge of experimental statistical methodology, with particular reference to agronomic and intercropping trials, and a great aptitude for teamwork.

The activity will be carried out under the supervision of **Prof. Andrea Monti**.

WORKPLAN

The project work plan includes the following activities:

- Definition of experimental protocols for field and/or controlled environment trials;
- Support / carry on experimental trials
- Data collection of morpho-physiological trait
- Data analysis
- Support on report writing
- Participation to project technical meetings