

Contract No: **T7ΔKI-00038-FORTE**

Title: **Supply and application of fiber crops for sustainable soil remediation & bio-based raw material production for industrial uses**

Duration: **14/11/2019-13/11/2022**

Abstract:

In both Greece and China, a large proportion of soils is considered as polluted by heavy metals and metalloids, mainly due to anthropogenic activities. Phytoremediation is a new, non-invasive and publicly acceptable technology that can remediate the soil and at the same time produce useful feedstock for further uses. FORTE project aims at the phytoremediation of polluted mining and agricultural sites in Greece and China using fiber crops and at the production of biomass useful for the production of biomaterials for industrial uses. Improved varieties of industrial hemp, flax and kenaf will be cultivated in pilot fields and will be evaluated for their tolerance and phytoremediation ability. The project will provide economic, environmental and social benefits to local communities and will stimulate the development and well-being of rural areas in both countries.

The project is funded by the Greek General Secretariat for Research and Innovation (GSRI), under the Operational Programme “Competitiveness, Entrepreneurship and Innovation” (EPAnEK) 2014-2020, in the frame of bilateral research and technological cooperation between Greece and China.

CHIMAR role in this project includes the evaluation of the biomass produced in polluted soils for use in the production of innovative lightweight particleboards and insulation panels.



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