



1. Line of research

Agricultural mechanization sustainability.

2. ERC descriptor

LS9_5: Agriculture related to crop production, soil biology and cultivation, applied plant biology.

3. Job description

The activity will be devoted to the ascertainment of the sustainability levels of the main mechanized tasks in agriculture, in open field and specialized chains. Both the main environmental parameters (which condition global warming and consequently climate change) and those affecting the operators' health will be studied, included the complete change from human labor to robotic means.

4. We offer

- The grant holder will carry out his activity in the "Agricultural machinery" research group, carrying out activities to ascertain the performance tractors and other self-propelled agricultural machines performance, as well as carried and towed implement, with field and laboratory tests.
- Moreover, he/she will collaborate in the preparation of comparative tests of robotic vehicles for field work.

5. Desired skills

Applicants will have acquired advanced knowledge of the performance characteristics of agricultural machines, going deep on automatic and autonomous driving solutions of those self-propelled. Applicants with previous experience on robotization of agricultural processes will be preferred.

6. Contacts

Per maggiori informazioni su questa sottolinea potete scrivere a domenico.pessina@unimi.it
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