

## Mechanization and automation

Digital transition and advanced sensors to improve the integrated and sustainable development of the agri-food system

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The activity is aimed at precision agricultural and livestock mechanization and to the automation of functions and operations

The main expertise concerns the management of precision mechanization and are based on the fully mapped and geo-referenced experimental farm "Milano" of the Treviglio site as well as a network of commercial farms in the area

Among the main results achieved is the start of the transition of agricultural mechanization towards digitalization and, in some cases, automation

The activity is completed by the provision of professional, university and post-university courses (i.e. 1<sup>st</sup> level Master)

Brambilla M., Romano E., Toscano P., Cutini M., Biocca M., Ferré C., Comolli R., Bisaglia C. 2021. From conventional to precision fertilization: a case study on the transition for a small-medium farm. *AgriEngineering* 3: 438-446.  
<https://doi.org/10.3390/agriengineering3020029>.



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