

In-field monitoring and precision water/crop management to enable robotics applications

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The automation of farming tasks both in arable crops and orchards requires some kind of rules or prescription maps to unleash its effectiveness. In order to obtain faithful estimations and produce accurate and precise maps, a good sensor network is often required, aside some monitoring and data-collection campaigns during the season. In this talk, we'll present some of the existing solutions for on-field monitoring, together with the technology used, advantages and drawbacks, in order to enable the robotics applications available to execute labor-intensive or time-consuming farming management tasks.