

A system calculates the exact amount of water a crop needs to save water

LOCATION: Churriana (Málaga)

DURATION: 1'32"

SUMMARY: The Andalusian companies AT4 and Verdtech are the creators of this sensors network connected via WIFI to measure humidity, temperature or the size of the trunk; factors that will determine how much water will the plant need. This will permit an efficient irrigation, very necessary in Spain as in this country more than 12.000 cubic hectometres of water are wasted, enough to fill around five million Olympic pools.

VTR:

More than 12.000 cubic hectometres of water are wasted in Spain every year, enough to fill around five million Olympic pools. It is the consequence of not applying an efficient irrigation that permits regulating...

DIEGO ARQUILLO
AT4 technician

"The necessary irrigation intensity."

To avoid it, scientists of the Institute for Research and Training in Agriculture and Fisheries in Churriana (Málaga) are developing sensors that installed in the plants and the ground help calculating the exact amount of water needed for irrigation.

ELISA MARTÍNEZ FERRI
Scientist IFAPA

"It intends to provide an efficient irrigation and this way optimizing water resources managing a sustainable agriculture."

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"All this information arrives to a server, we use it to access that information for decision making, using it in the future to program automatic irrigation."

Software that saves natural and economic resources. Agriculture of the twenty first century that tries to preserve a precious element, water.

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