



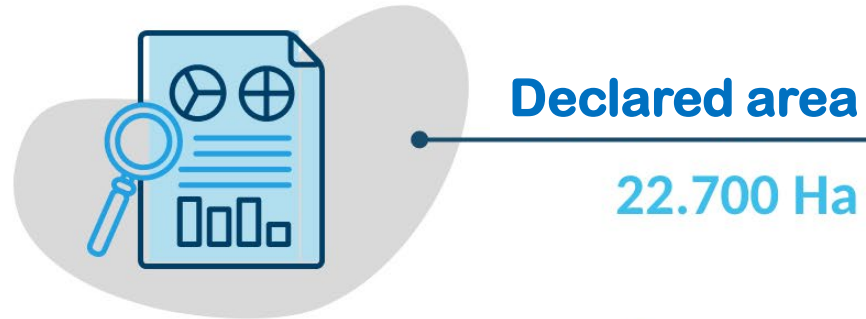
THE **ACQUA VIRTUOSA** PROJECT: SMART IRRIGATION AND WATER TARIFFS

WHAT IS THE “ACQUA VIRTUOSA” PROJECT?

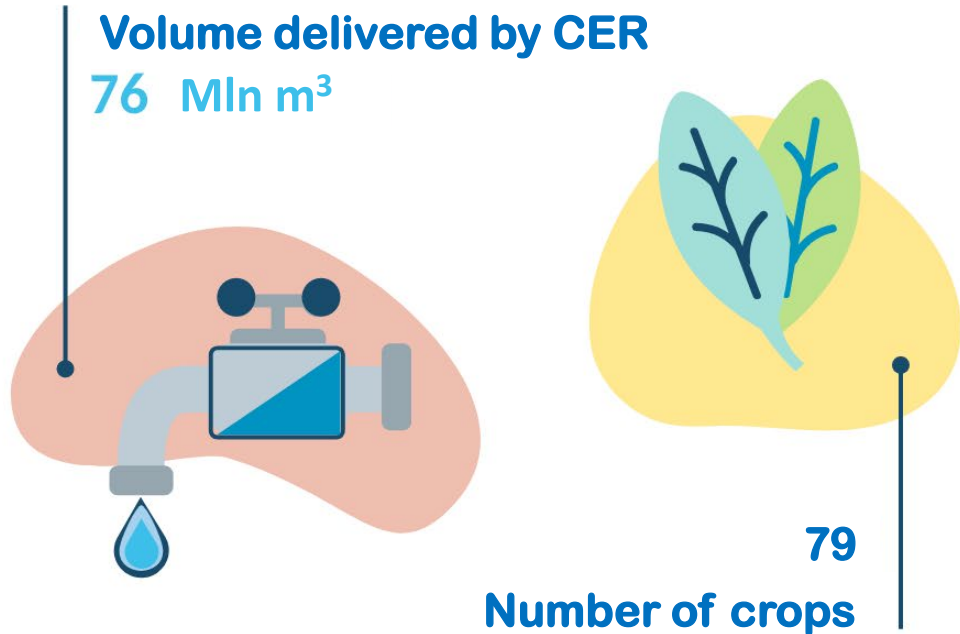


- The project aims to create a channel of dialogue with local farms in order to be even more efficient in meeting the needs of irrigators;
- Also rationalise water distribution and improve its use by farmers (Irrinet + water balances per district);

To whom do we distribute the water?



Volume delivered by CER
76 Mln m³



STRENGTHENING THE RELATIONSHIP WITH FARMS



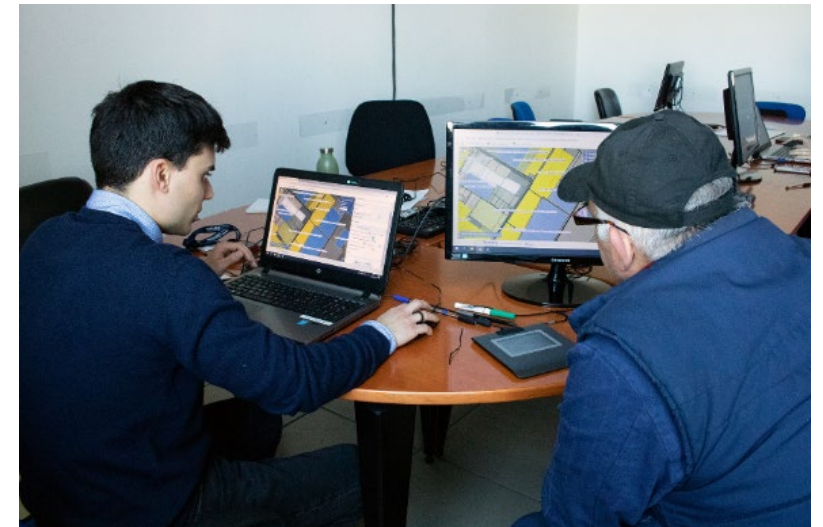
051 295295

Internal call center: over 1.500 calls per year received and made



SMS: 150 messages sent per year on average for a total of 20.000 messages sent for:

- extraordinary maintenances
- irrigation service interruptions
- shifts
- environmental issues
- invitations to events and meetings



IRRIGATION TARIFF

2016 → Application of the new Classification Plan
of Benefits



Irrigation Tariff:

From **single-part tariff** to **two-part tariff** (fixed + variable charge)

Advantages of the new Irrigation Tariff:

- greater contribution equity
- knowledge of irrigated areas (better irrigation management)

THE VARIABLE COMPONENT OF THE IRRIGATION TARIFF

The Variable Component of the Irrigation Tariff is calculated as:

$$\text{BQv} : \text{ICC} * \text{IBP} * \text{ICP} * \text{IMI} * \gamma * \text{surface (Ha)}$$

Water Consumption Class Index: an index related to the average irrigation water requirement of every crop

Location Benefit Index: an index related to the method of water withdrawal

Water withdrawal timing index: an index for surcharge in case of irrigation before and/or after the irrigation season (April 1st - September 30th)

Gamma: an adjustment index for specific cases

Irrigation Method Index: an index based on the efficiency of the irrigation methods

Use of average irrigation water requirements instead of measuring water withdrawn in cubic meters:

- simpler management;
- reliable and accurate data:
- reduced costs (no installation and maintenance of water meters)

Thank you for your attention!

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