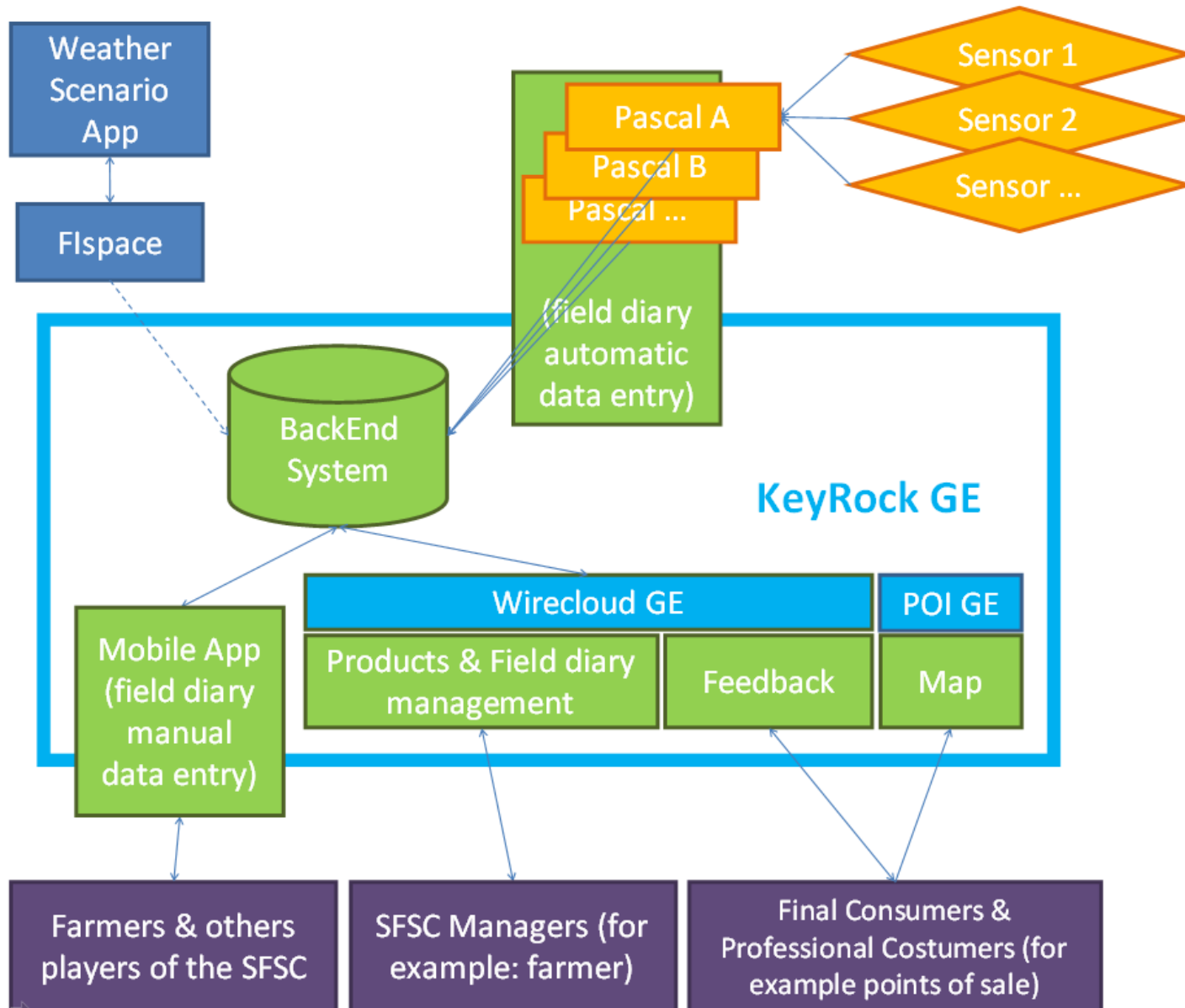


INTOFOOD SYSTEM



Overall architecture



Pascal architecture

Installation kit: the hardware is composed of several elements, which can be used to configure the system on the basis of the characteristics and needs of the company.



Fig. 1 - 1 concentrator PASCAL

Fig. 2 - 1 sensor atmospheric data

Fig. 3 - 3 amperometric transformers for electric energy measurement (toroid)

Fig. 4 - 1 USB memory

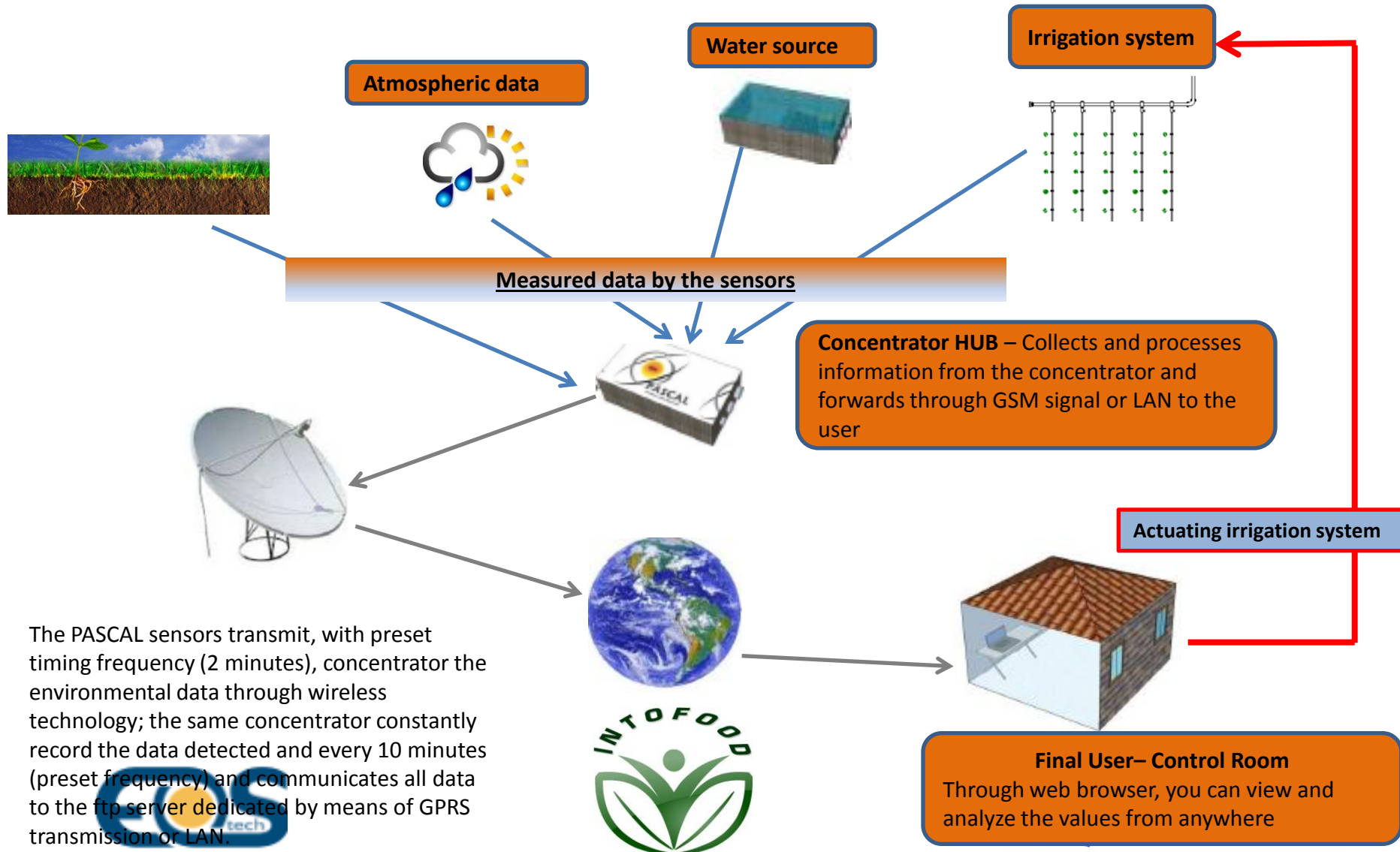
Fig. 5 - 1 humidity soil sensor

Fig. 6 - 1 probe detecting water quality

Fig. 7 - 1 water meter

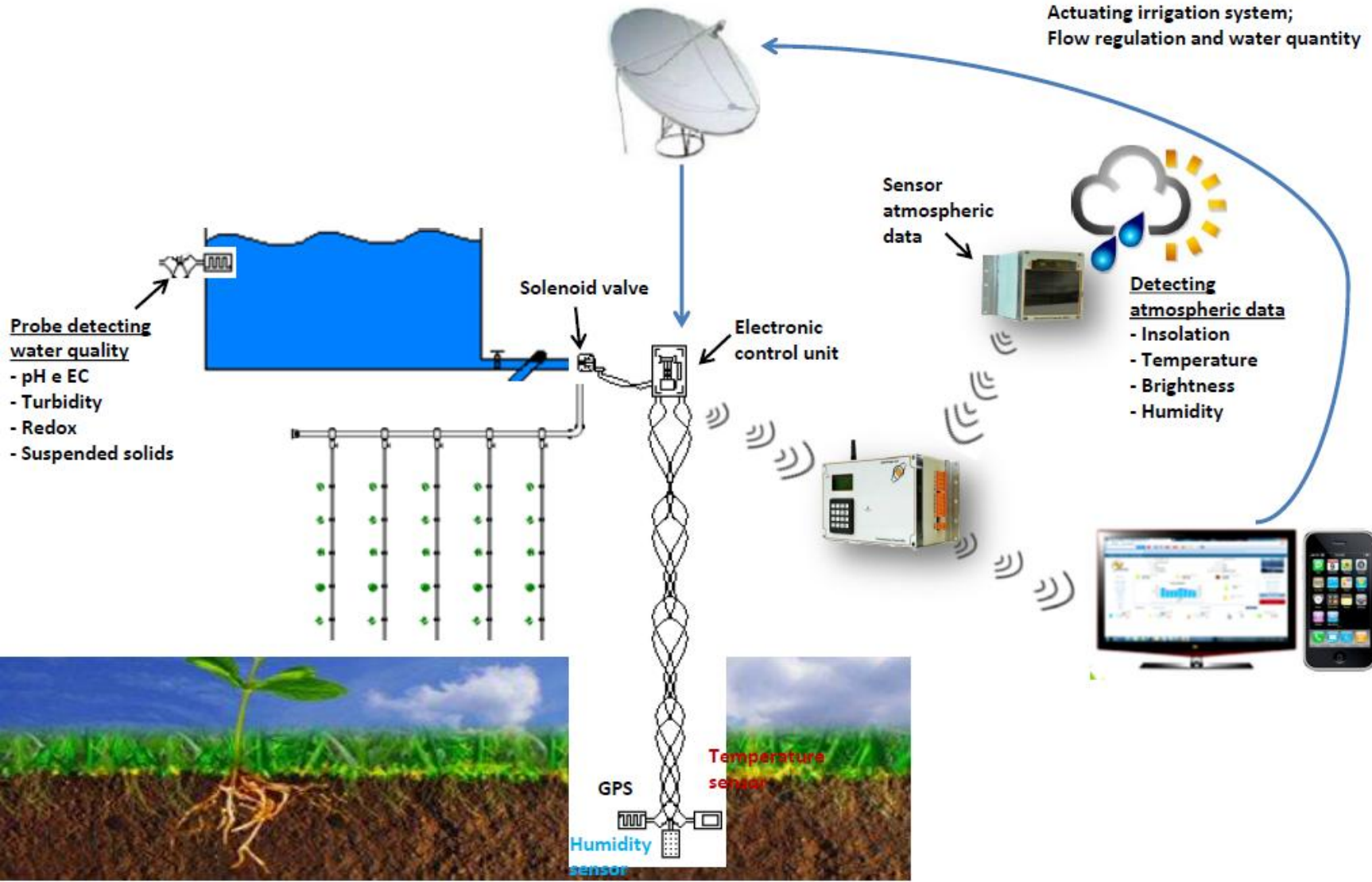
Fig. 8 - 1 data SIM card

Flows of information and the feedback supporting the irrigation strategy

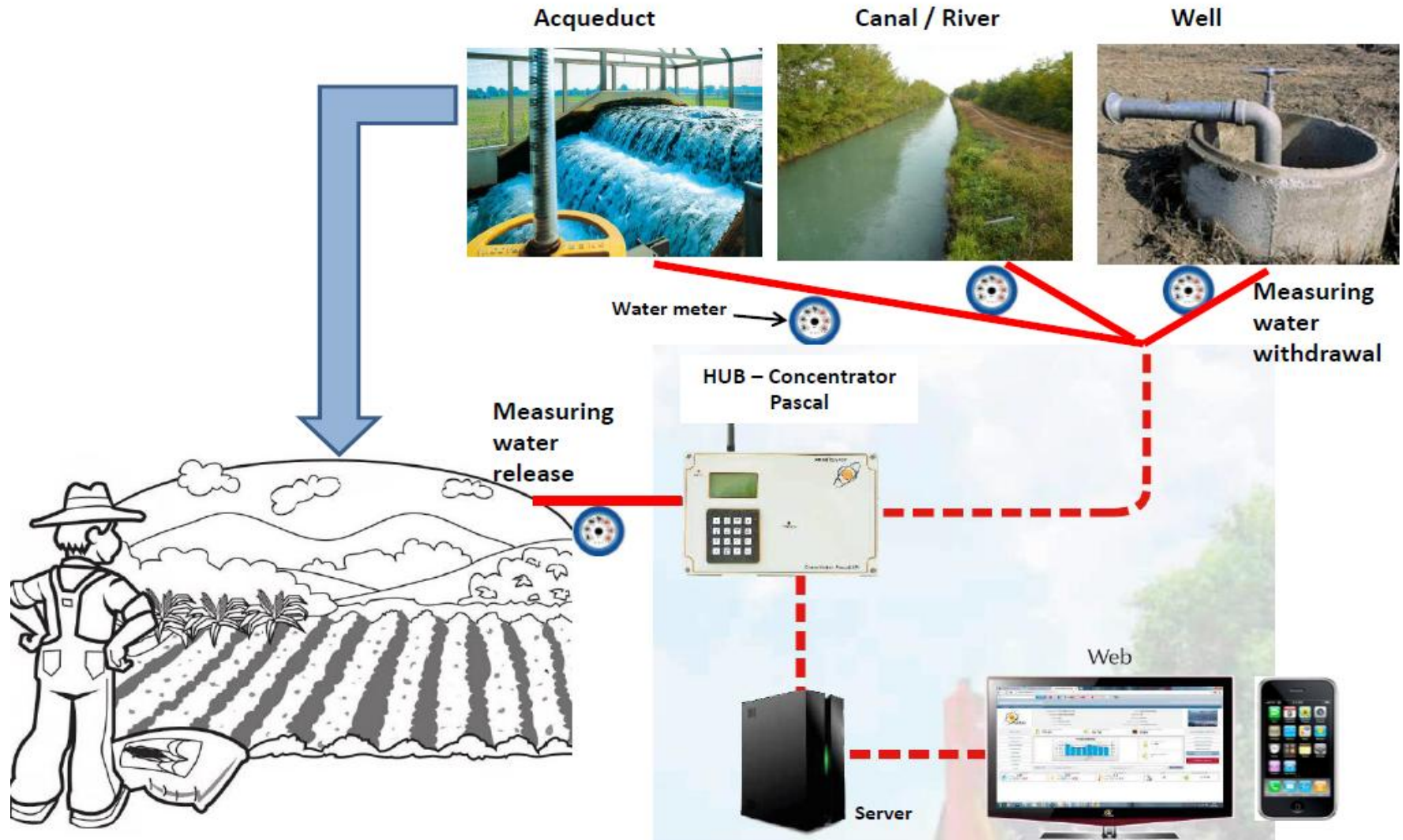


How the APP supports a better irrigation management

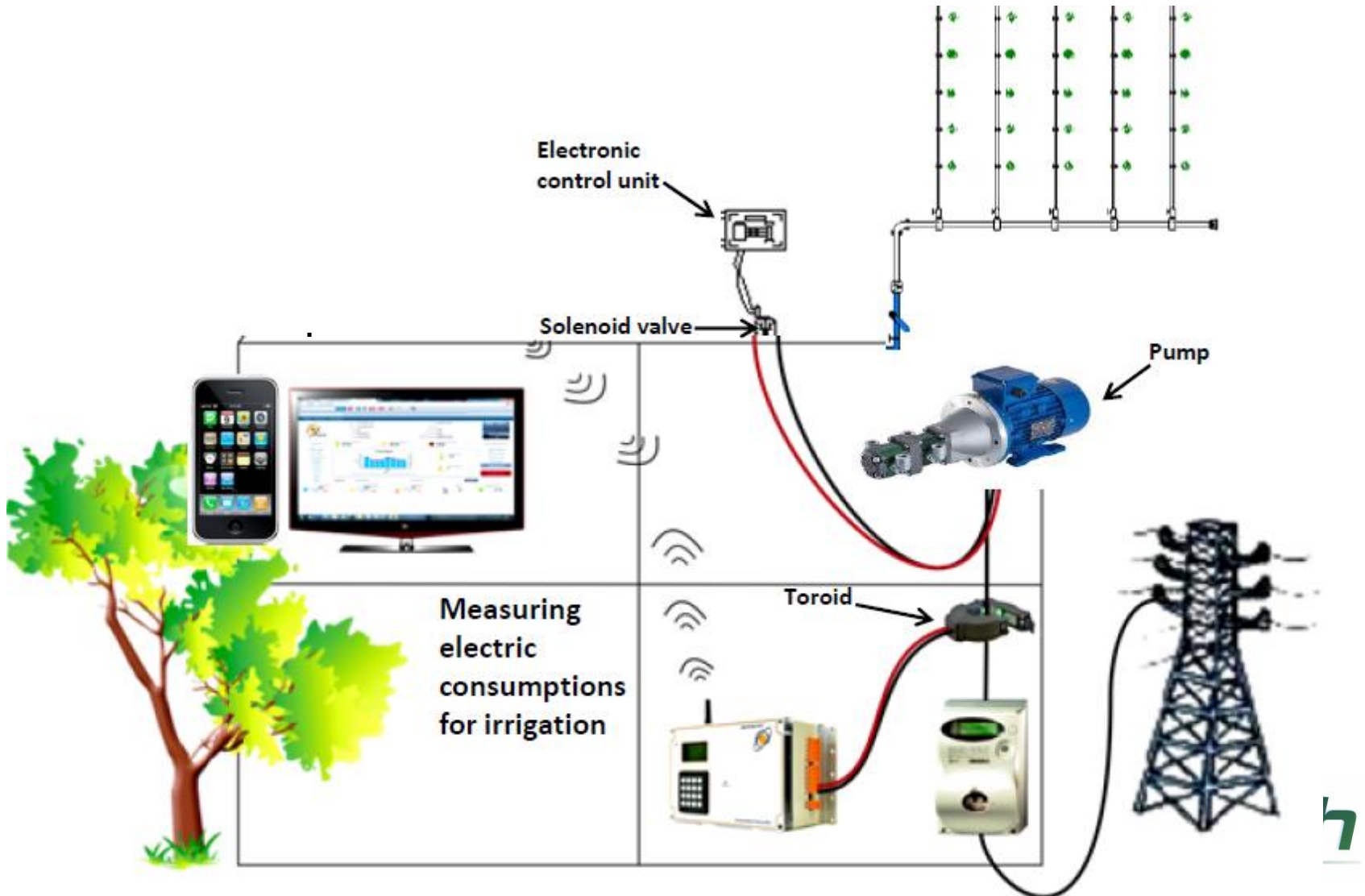
Actuating irrigation system;
Flow regulation and water quantity



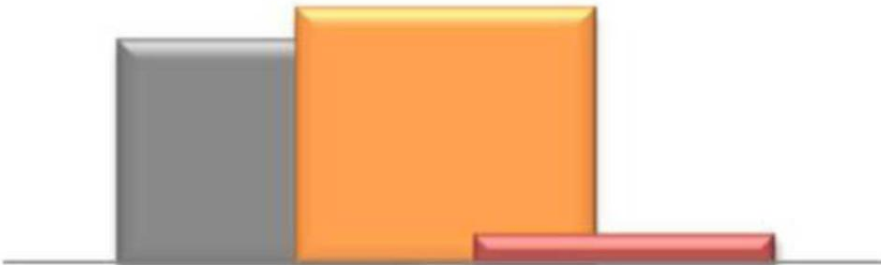
Water consumption in the irrigation process



Energy consumption in the irrigation process

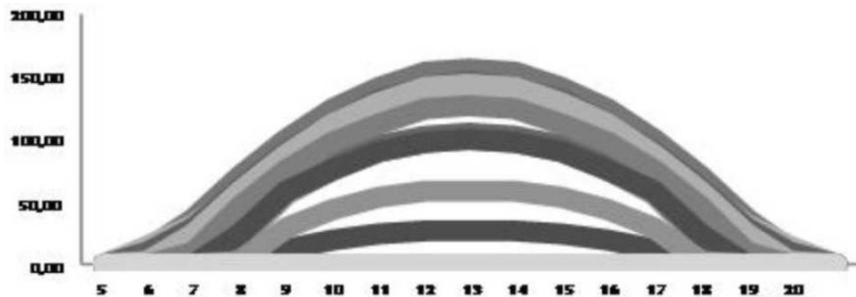
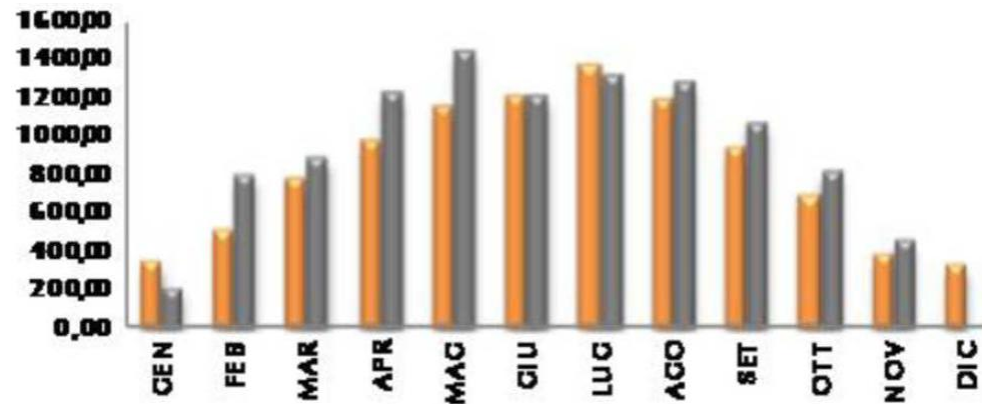


Data processing and visualization on water consumption



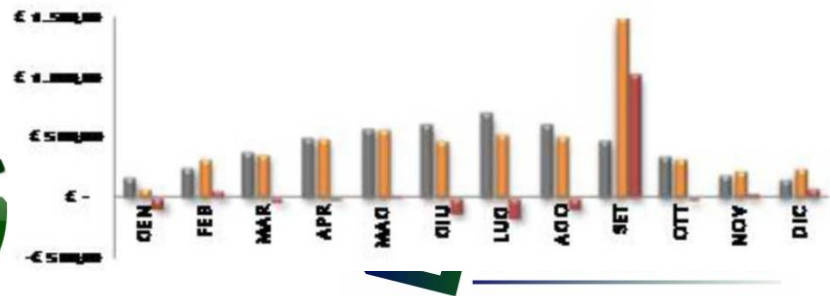
Comparison utilization different water resources (aqueduct, well, canal/river)

Comparison between water consumption expected and effective consumption

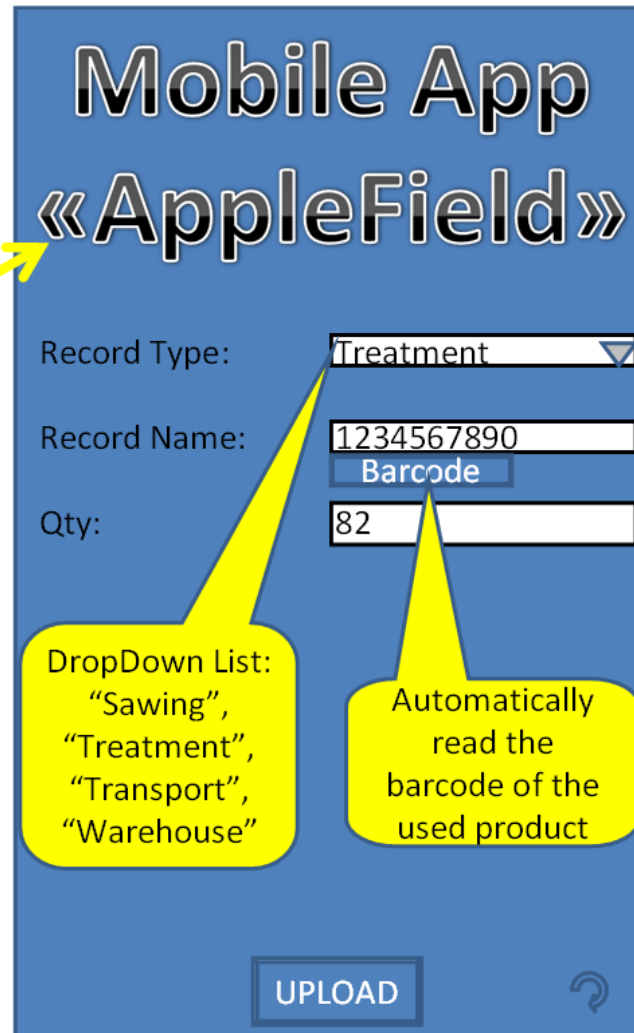
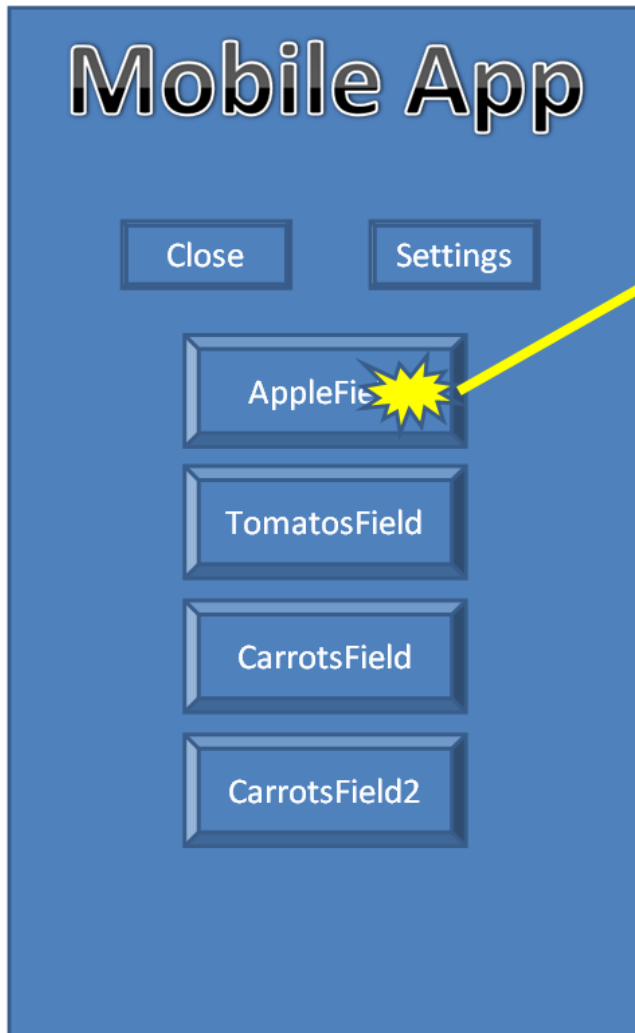


The daily consumption of water

Comparison between planned spending and actual spending for irrigation



Mobile App

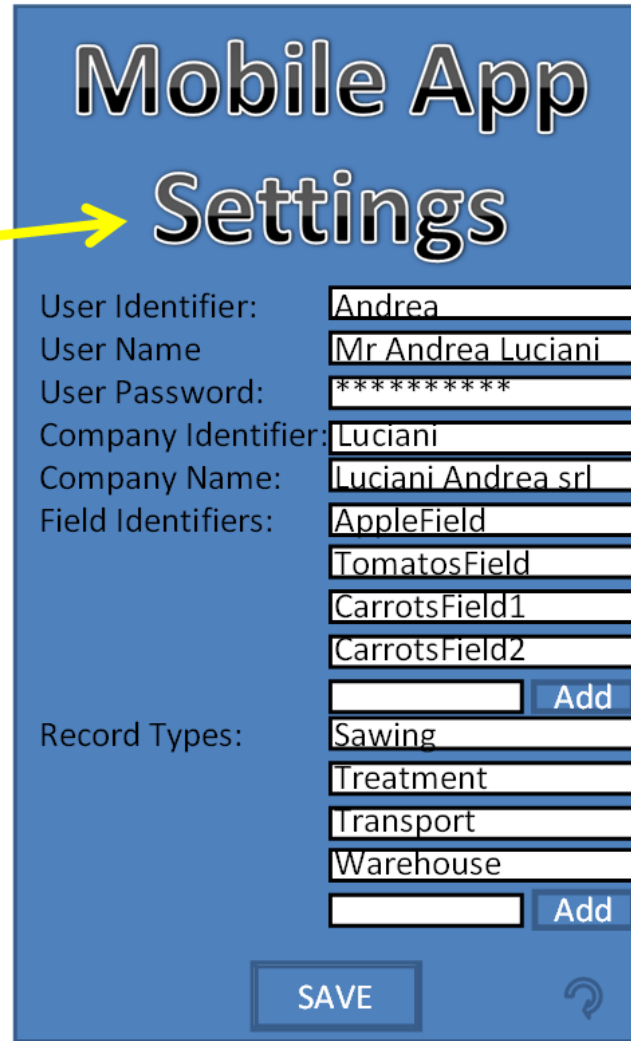
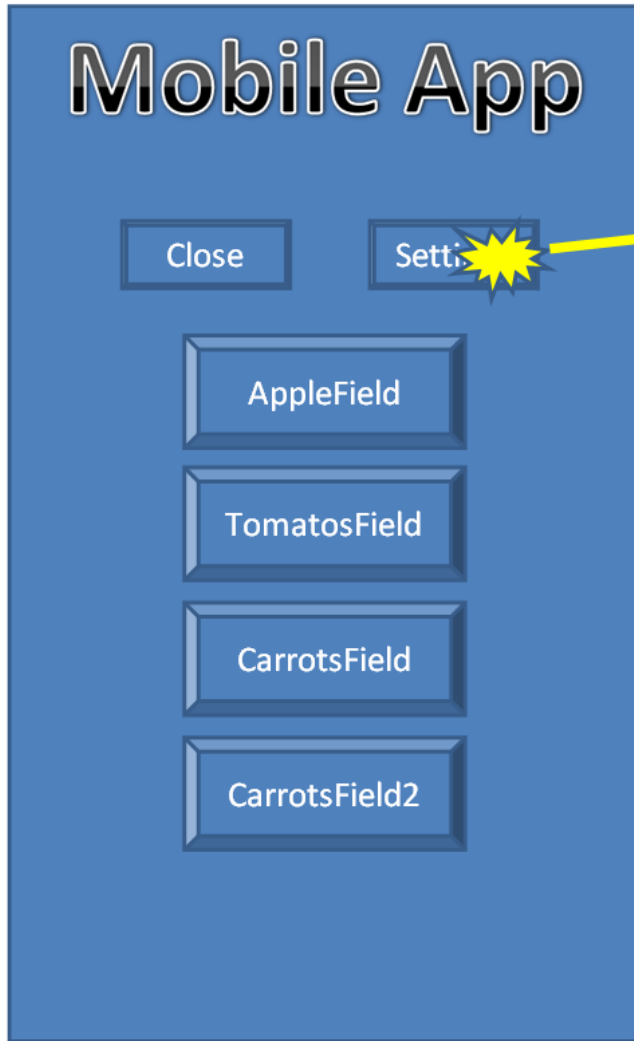


Day by day usage

- Open INTOFOOD App
- Select the proper Field Button to insert a new record: "CarrotsField2"
- Select the record type: "Treatment"
- Insert the record name or read automatically the barcode of the product used for the treatment:"1234567890"
- Insert the qty of the product used for the treatment:"82"
- Upload record
- Wait for the confirmation message



Mobile App



Configuration

- Open INTOFOOD Mobile App
- Select Settings
- Insert User Identifier, Insert Name and Password
- Insert Company Identifier and Name
- Add Field Identifiers: "AppleField", TomatosField", "CarrotsField1" "CarrotsField2"
- Verify the list of Record Types: "Sawing", "Treatment", "Transport", "Warehouse", ...
- (optional) Add new Record Types: "Fertilization"