



IoT in Agriculture

Using new technologies to better use natural resources



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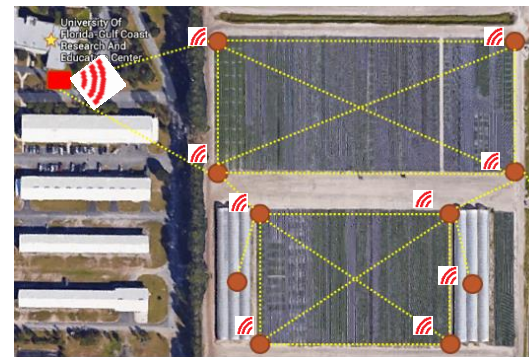
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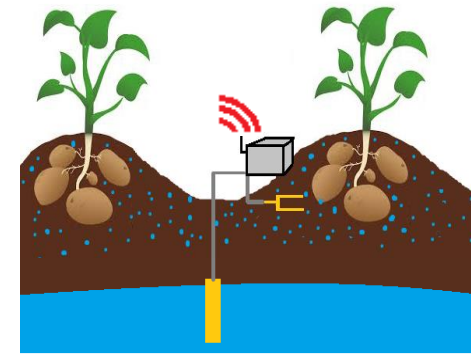


Objective: By using IoT in Agriculture:

- Improve the spatial coverage of the Strawberry Disease System
- Improve water table level monitoring & solenoid valves control in subsurface irrigation systems



Strawberry Project



Irrigation Project

Approach:

- Designing and implement low cost Wireless Sensor Networks (WSN) with leaf wetness, air temperature, RH and soil moisture sensors
- WSN will be uploaded, processed, and made available online at **AgroClimate.org**.
- Short term weather forecast will be integrated in the irrigation management system

Impacts:

- Site-specific spraying of fungicides on demand
- Irrigation water savings and reduction of Nitrogen leaching
- Improved frost protection in strawberry fields.