

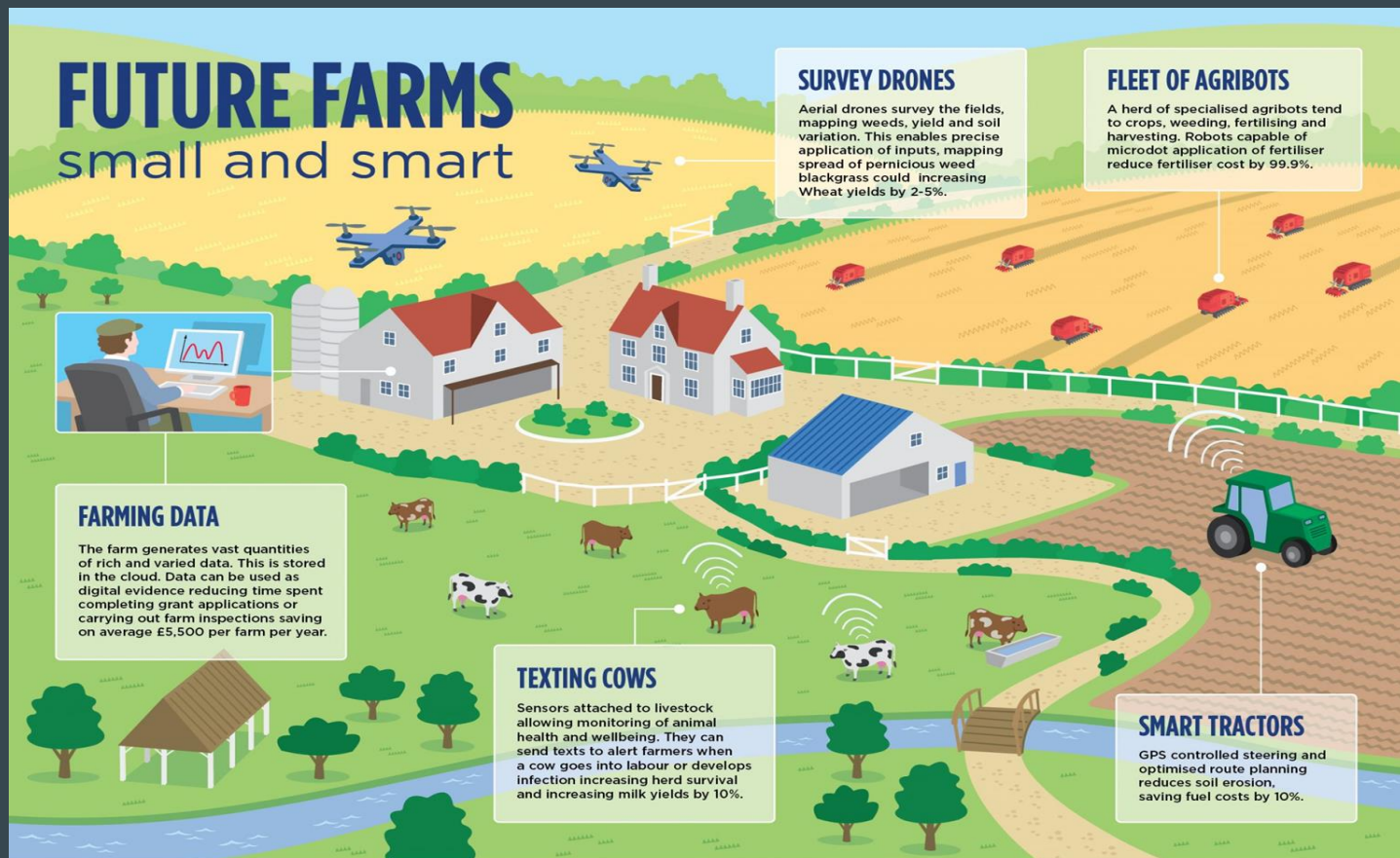
Implementing Smart Farm Prototype with Internet of Things

...

Jashandeep Singh*, Jorge Hernandez Ortega*, Crystal Saini, Jesus Gonzalez

Advised by Dr. Dae Hee Kim

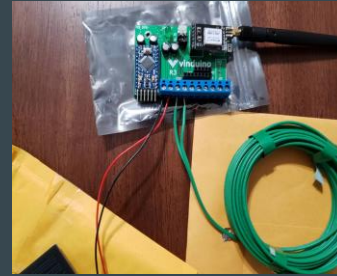
What is a Smart Farm?



Prototypes

Vinduino Components:

- Vinduino, Soil Moisture Sensors, Solar Panel, Battery, LoRa module, LoRa Gateway



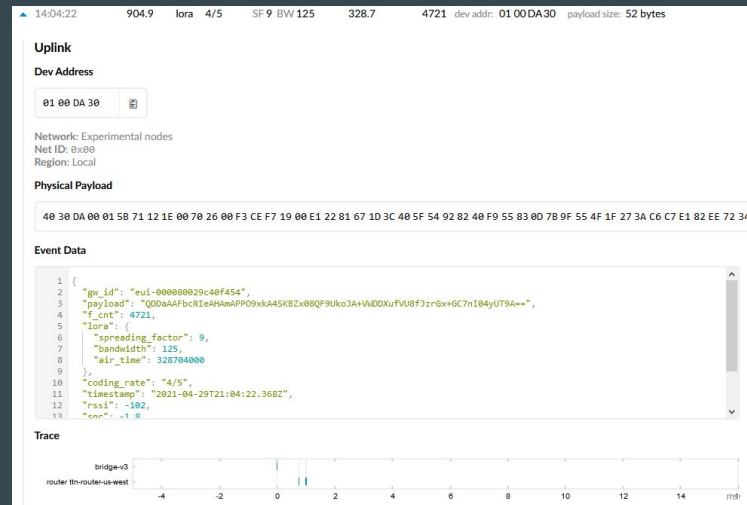
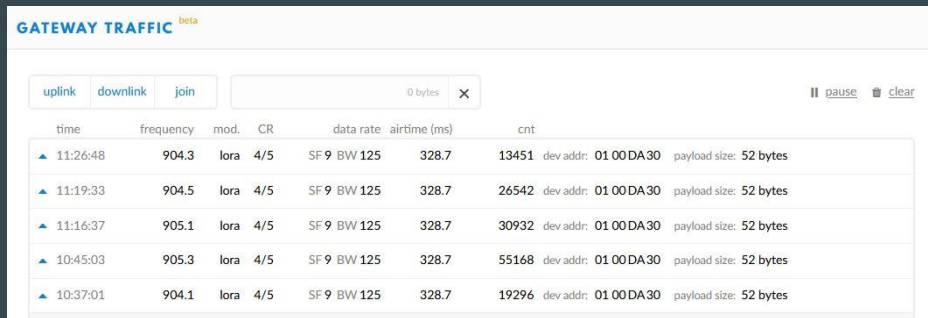
Sensoterra Components:

- Soil Moisture Sensors, LoRaWan Gateway, Web and Mobile Application

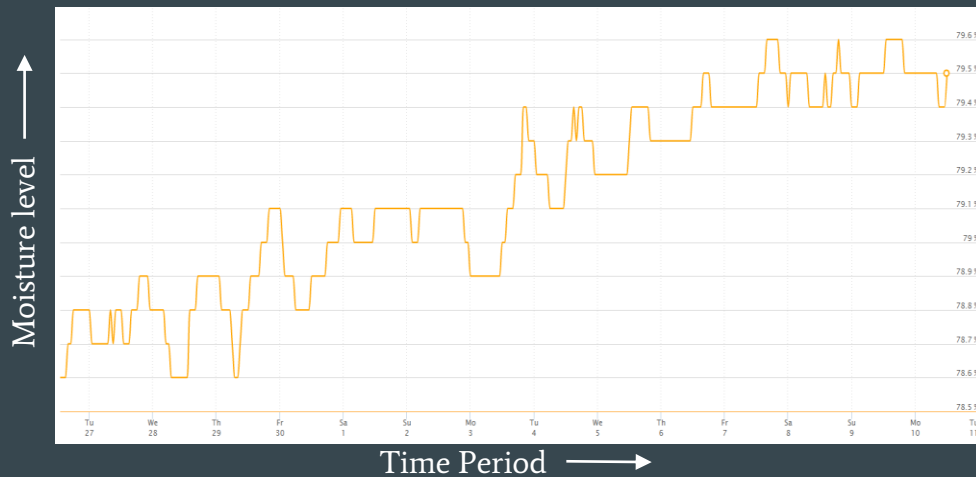


Results

Vinduino



Sensoterra



DISABLE EDITOR TABS

EDITOR X MOISTU...

	MoistureData	
10	2021-03-23 16:24:20 UTC	0.0
11	2021-03-23 17:24:20 UTC	0.0
12	2021-02-24 16:46:54 UTC	69.5
13	2021-02-24 17:46:54 UTC	69.5
14	2021-02-24 18:46:53 UTC	69.5
15	2021-02-24 19:46:53 UTC	69.5
16	2021-02-24 20:46:52 UTC	69.5
17	2021-02-24 21:46:52 UTC	69.5
18	2021-02-25 00:46:51 UTC	69.5
19	2021-04-01 04:49:07 UTC	78.5
20	2021-04-01 05:49:07 UTC	78.5
21	2021-04-07 14:48:16 UTC	78.5

Thank you! Questions?

Jorge Hernandez Ortega: jhernandezortega@csustan.edu

Jashandeep Singh: jsingh72@csustan.edu

Crystal Saini: csaini@csustan.edu

Jesus Gonzalez: jgonzalez174@csustan.edu

Advisor

Dr. Dae Hee Kim: dkim10@csustan.edu