

Peer-review 2

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Paper reviewed: Environmental Monitoring - Spencer Crump

1. What is the key insight behind the system?

The key insight is to use TV white space frequencies of 470-698 MHz along with 10-20 sensor nodes every 40 acres to gather soil measurements.

2. Does the system design seem plausible? Does it address an issue presented in the introduction?

Yes, it seems ~~very~~ plausible. It addresses the issue from the introduction, namely, that these readings will help farmers know which locations have the best microclimate for different types of plants.

3. If completed, would the evaluation convince you the design works?

Yes, the evaluation would convince me that the design works.

- accuracy of sensors
- power consumption
- stable radio
- lifetime of device

4. How could the paper be made stronger?

See comments in paper.

- how much space will sensors take up?
 - farmers' willingness to sacrifice space for 10-20 sensor nodes every 40 acres
- soil measurement frequency
 - is every hour really necessary?
 - will a less frequent data collection work just as well?

Overall, I thought the paper was very well-written. You explained all the necessary capabilities of the sensor and how data will be collected and sent. You also gave excellent metrics on how to evaluate your system.