

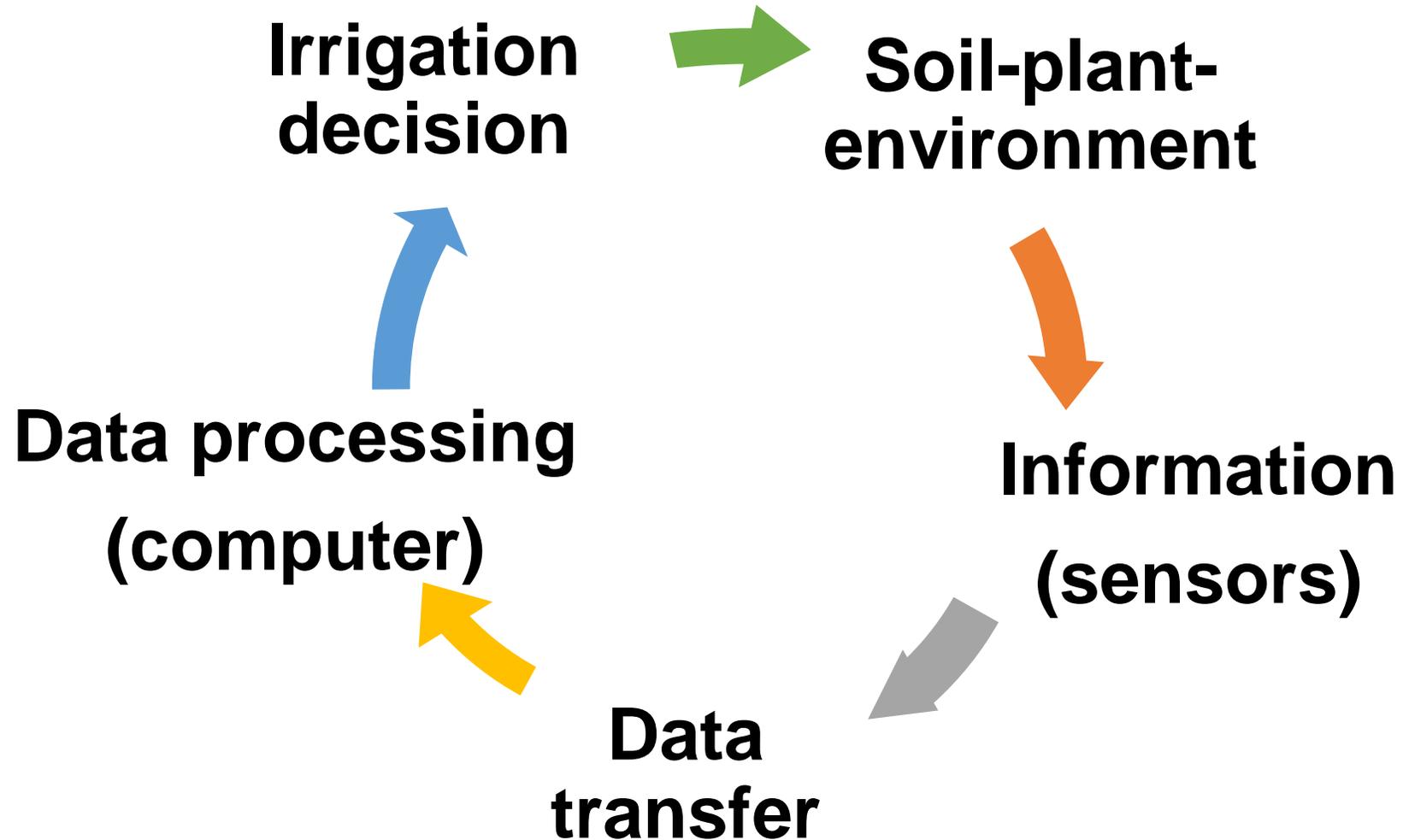
CropMonitor: A Decision support system for citrus irrigation management

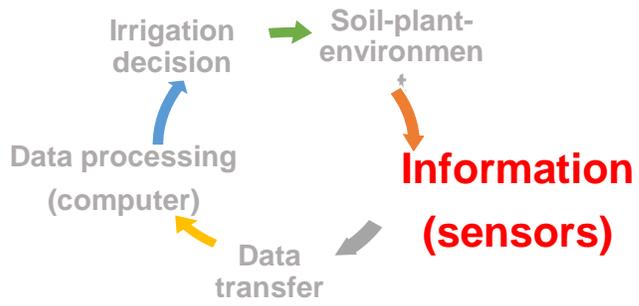
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Assistant professor Irrigation-Hydrology

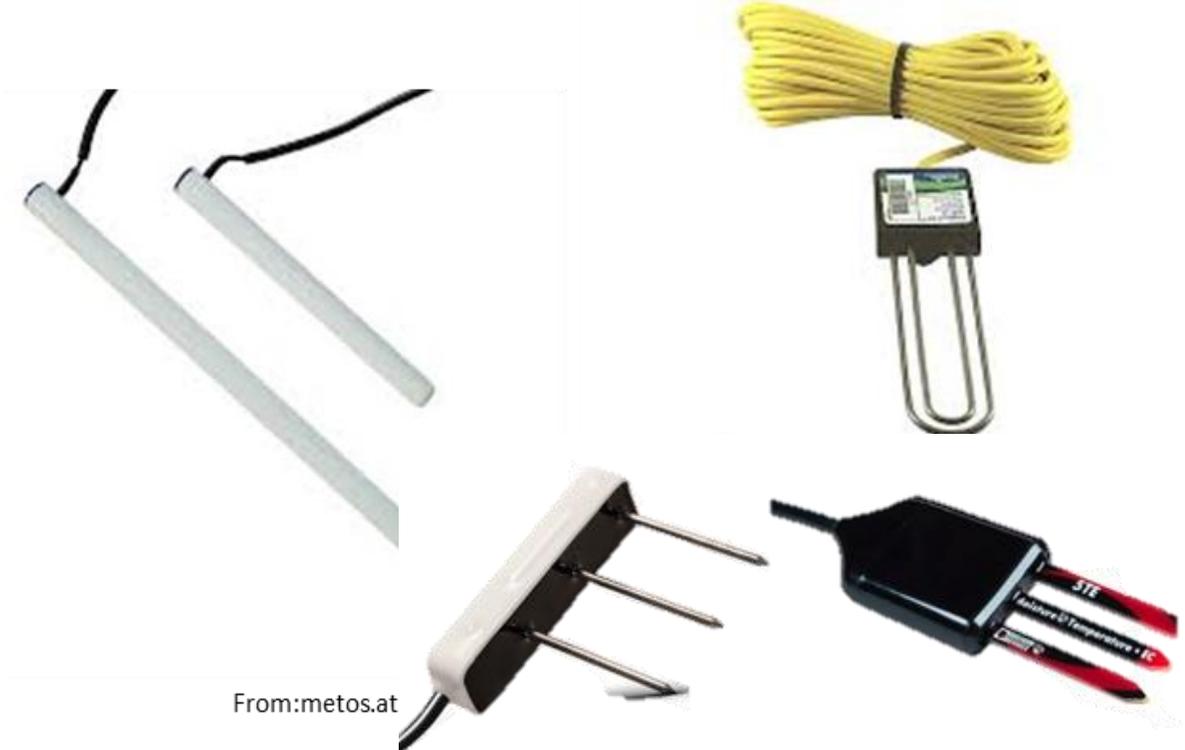
**Agricultural and Biological Engineering- Indian River
Research and Education Center (IRREC) Fort Pierce**

The process of irrigation scheduling





Soil moisture sensors



From:metos.at

Weather stations



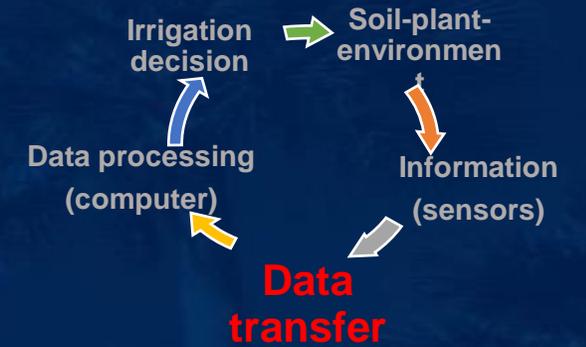
Groundwater

What else a SMS system read?

Soil temperature
Electrical conductivity
Water table rise



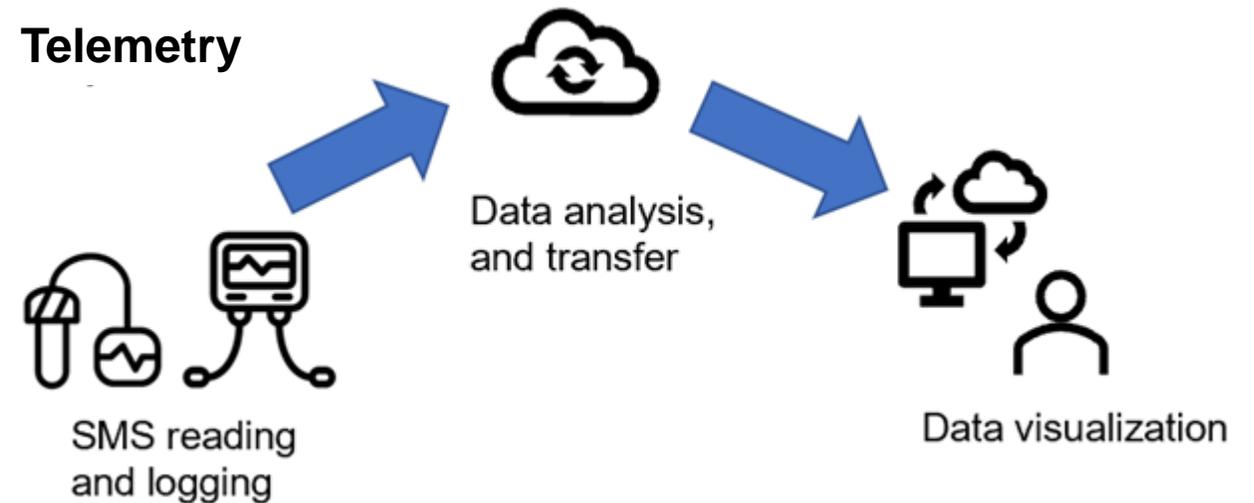
Automation in Irrigation



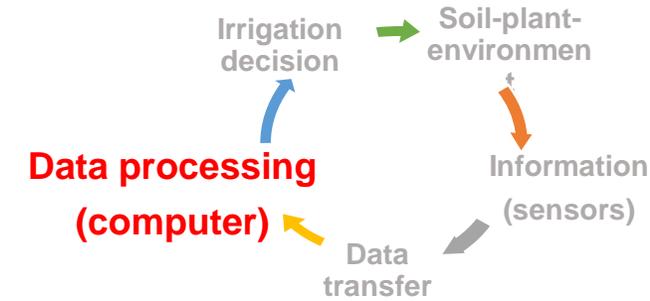
Semi-Manual



Telemetry

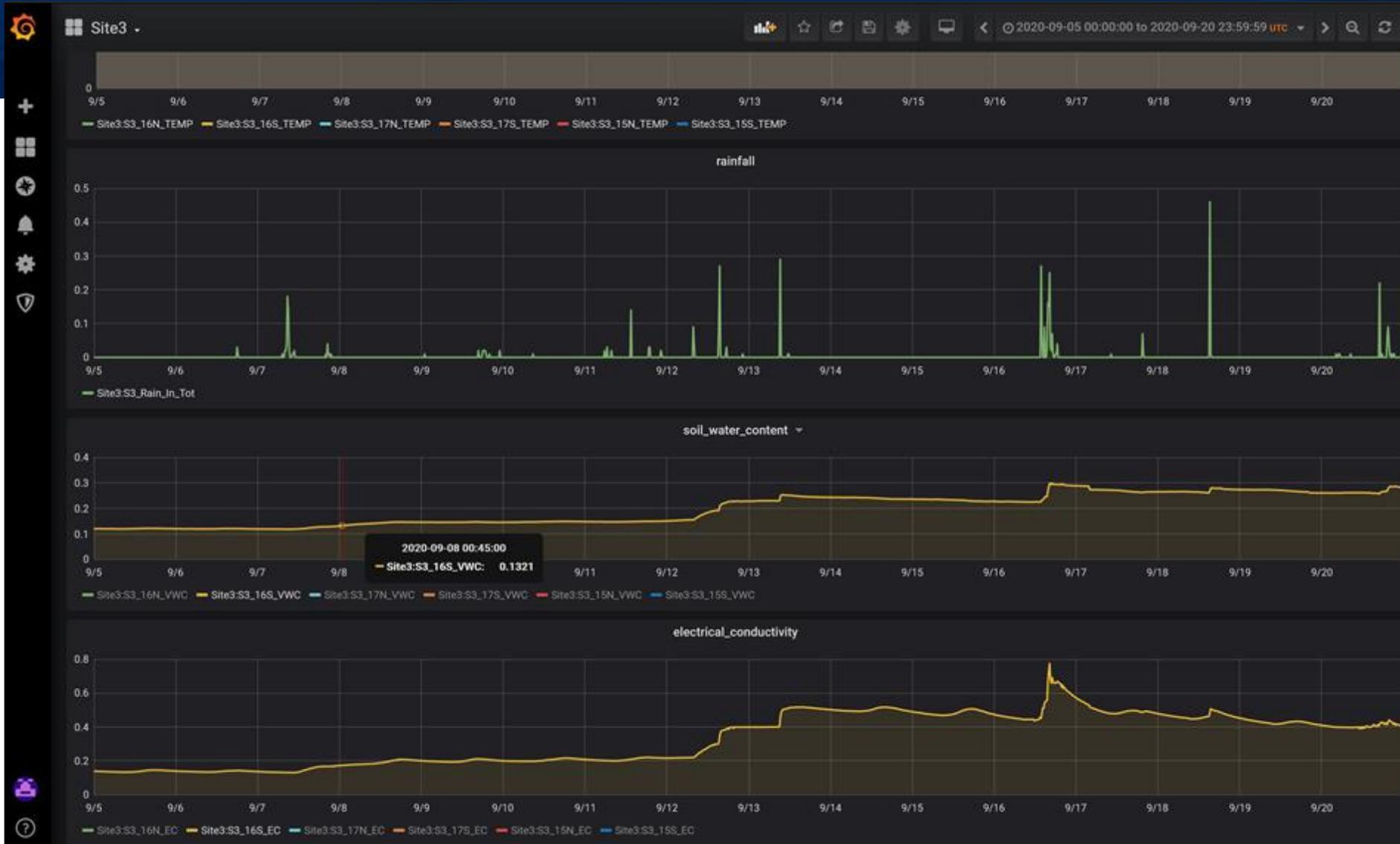
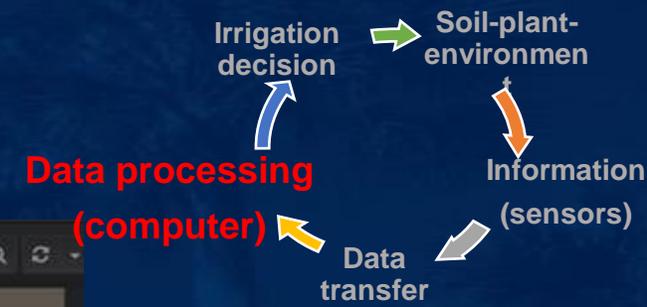


No telemetry? CropMonitor



- In our lab we developed *CropMonitor* a software that gathers data coming from soil moisture and other sensors in the field including weather. CropMonitor was developed to provide sensor data visualization in the cellphone and PC when telemetry is not available.
- With *CropMonitor* the user can manage and personalize their weekly irrigation schedules. Crop Monitor allows to incorporate many sensors from multiple brands and visualize rain forecast or other water information required for irrigation.

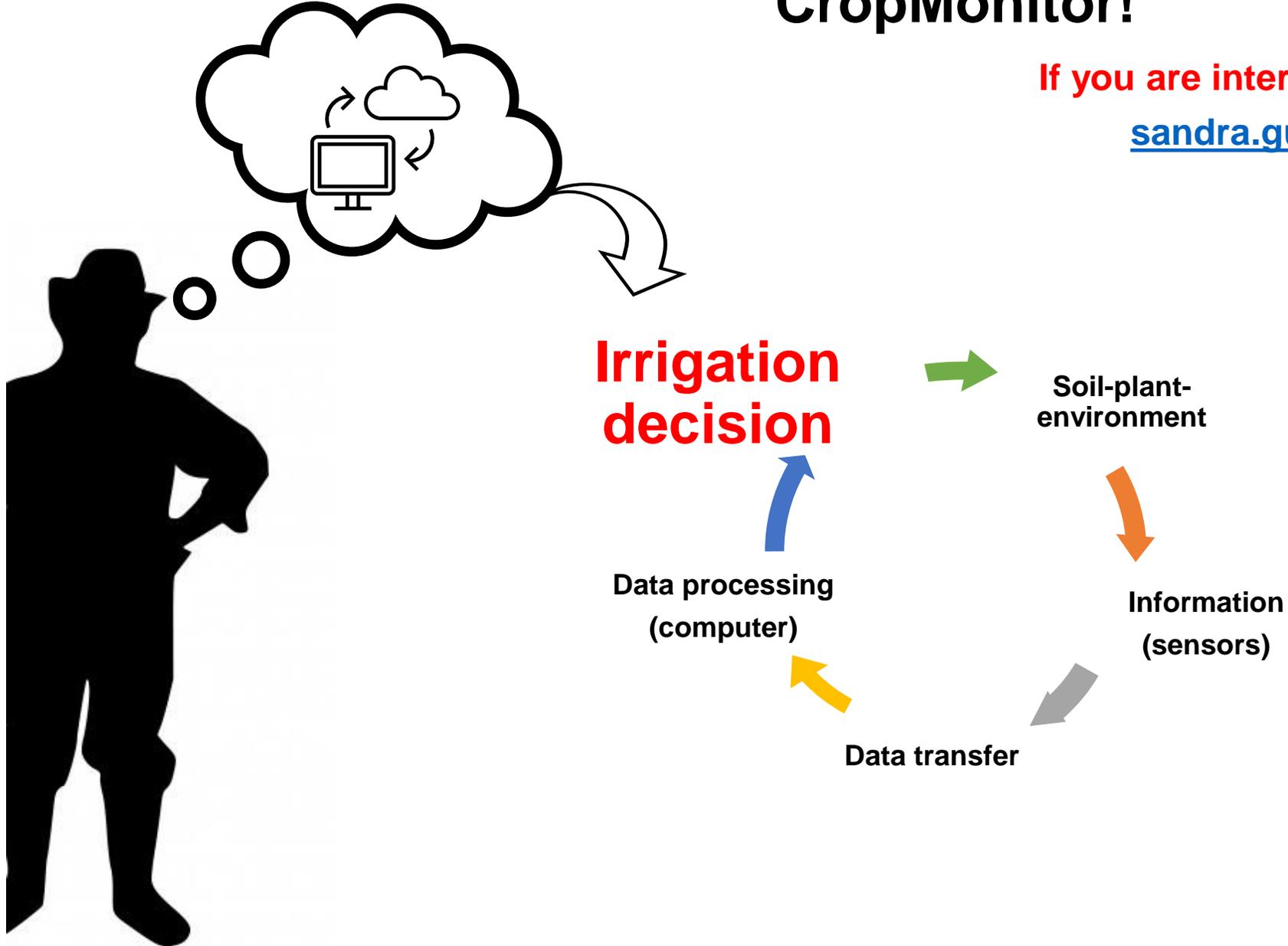
Our software makes easy for you to visualize data in your PC or cellphone



We are looking for growers that want to test CropMonitor!

If you are interested send us an email:

sandra.guzmangut@ufl.edu



Research sponsor



United States Department of Agriculture
National Institute of Food and Agriculture

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<https://youtu.be/qOhfxNQ9BkQ>

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Thank you Questions?

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