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Integration of environmental modeling, real-time monitoring, and renewable power systems for applications to sustainability, focusing on the food-energy-water nexus. Applications: off-grid desalination and soil salinity sensor networks.

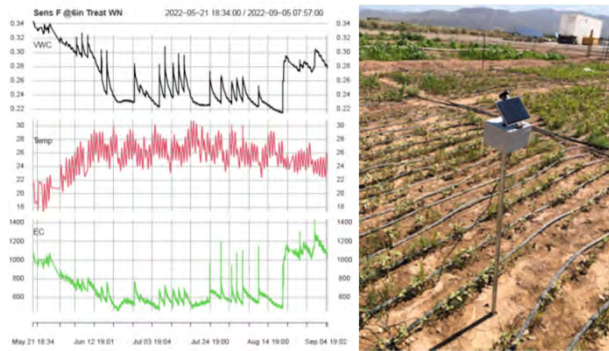
Food-Energy-Water Nexus



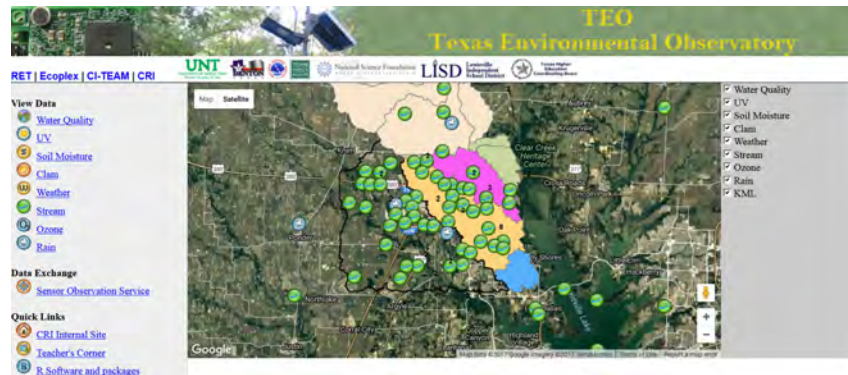
Off-grid on-farm desalination



Real-time Environmental Monitoring



Soil sensor networks



Environmental Observatory

Textbooks

