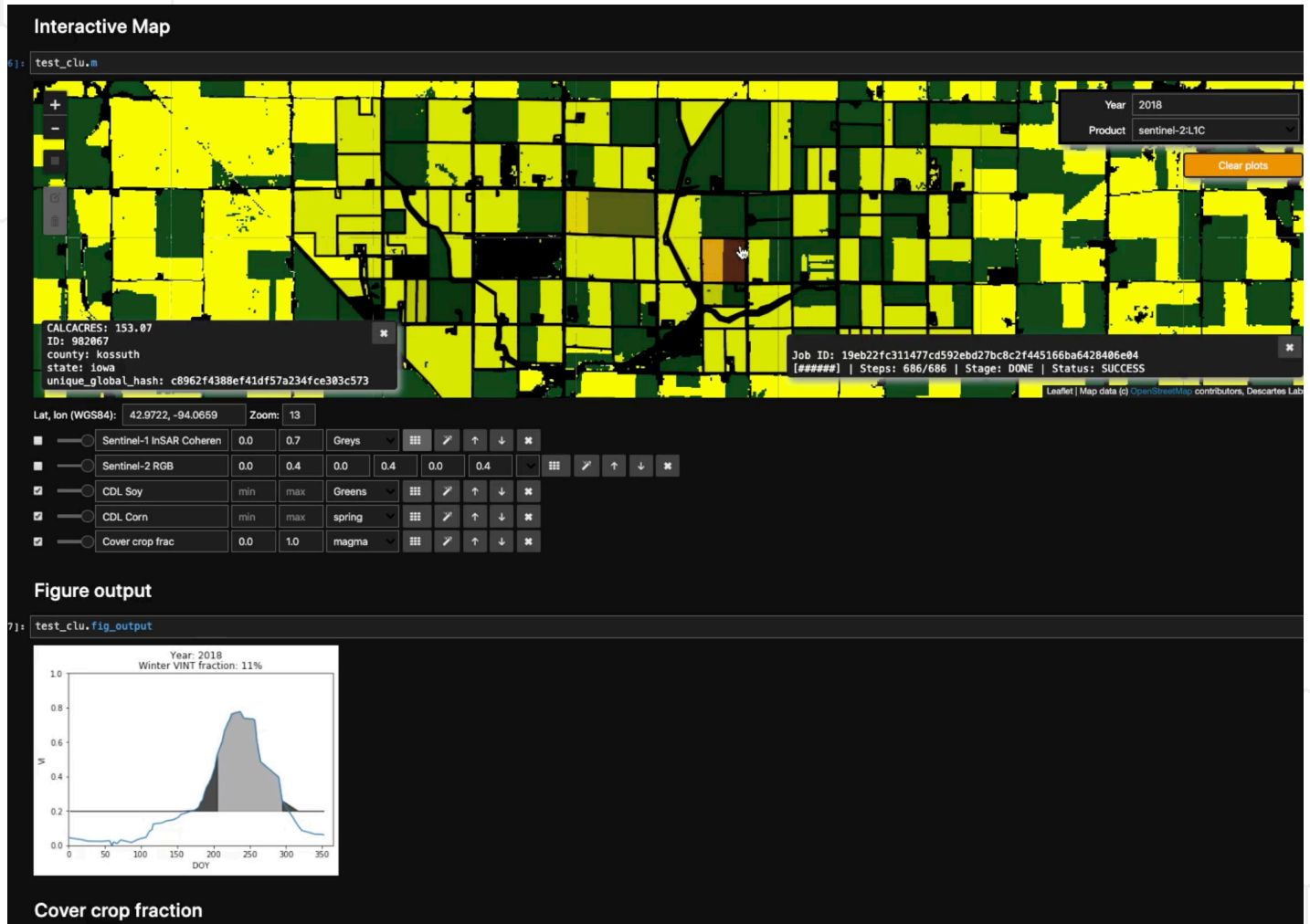


USE CASE:

# Sustainable Agriculture Detection (Cover Crops)

## Datasets

Sentinel 1 GRD | Sentinel 1 InSAR |  
Sentinel 2 | Landsats 4-8 | SPOT 6-7 |  
Daymet weather data | USDA Common  
Land Units | customer ground-truth



Contains modified Copernicus Sentinel data 2020

## Summary

This method derives vegetation phenology from a Landsat NDVI time series and identifies summer main crops (corn/soybean) based on phenological metrics. By excluding the main summer season from the calculation of accumulated NDVI, the relative cover crop abundance is estimated during the remaining seasons using the ratio of accumulated NDVI in winter to the annual total of accumulated NDVI.