



International Center for Tropical Agriculture
Since 1967 Science to cultivate change

Scalable solutions for pest and disease detection and prediction

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CIAT is a CGIAR Research Center

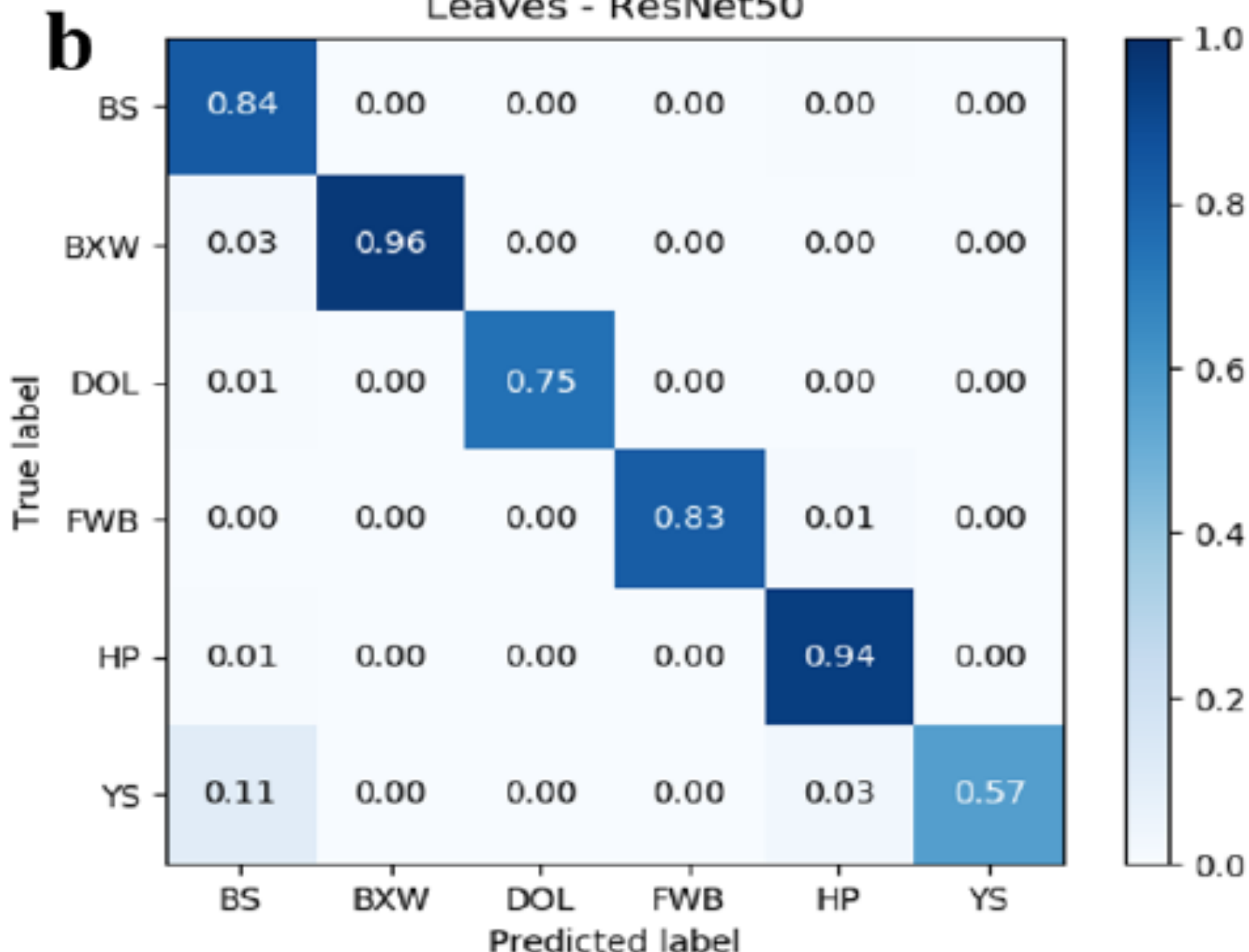
1



Image coll



Leaves - ResNet50



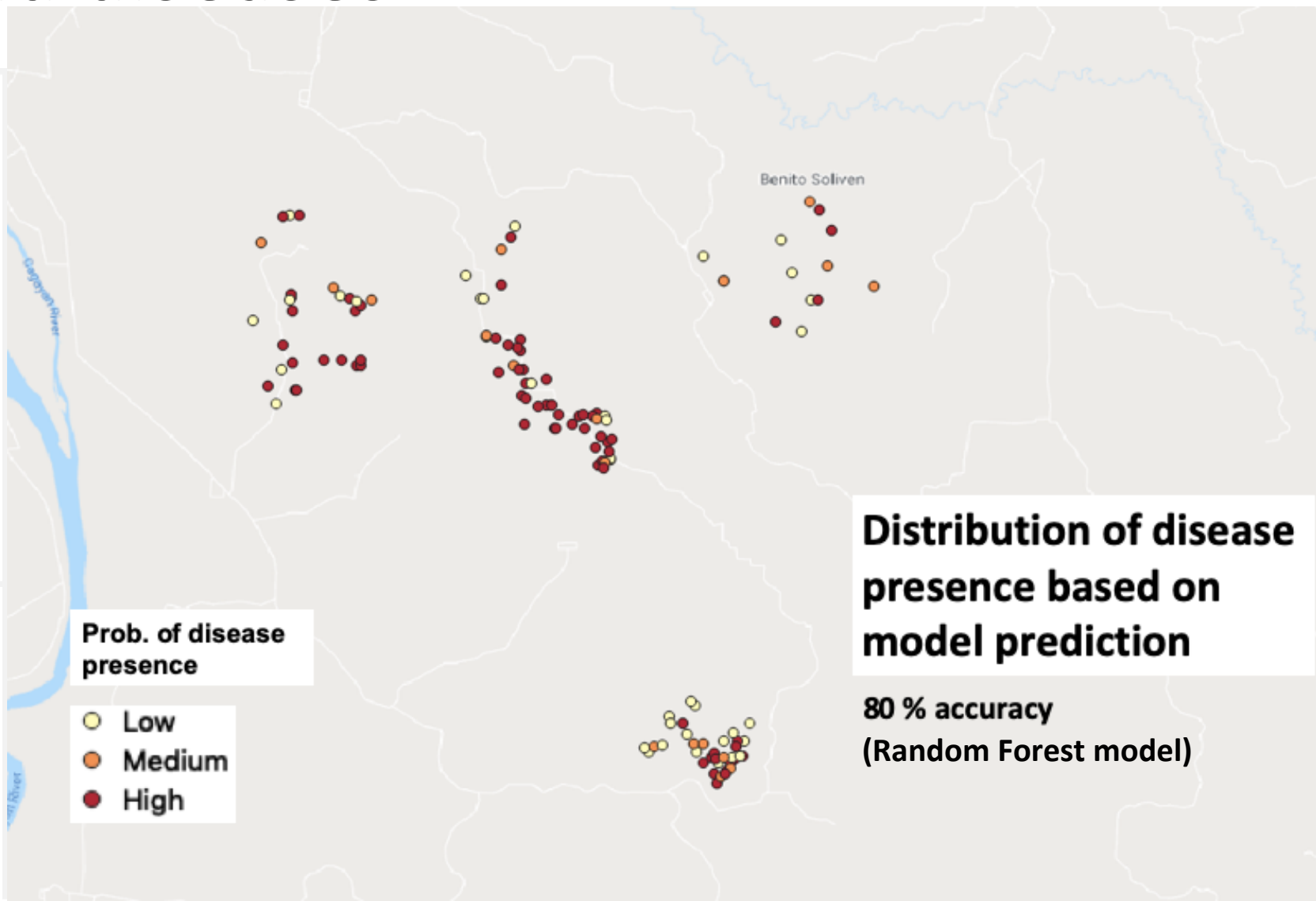
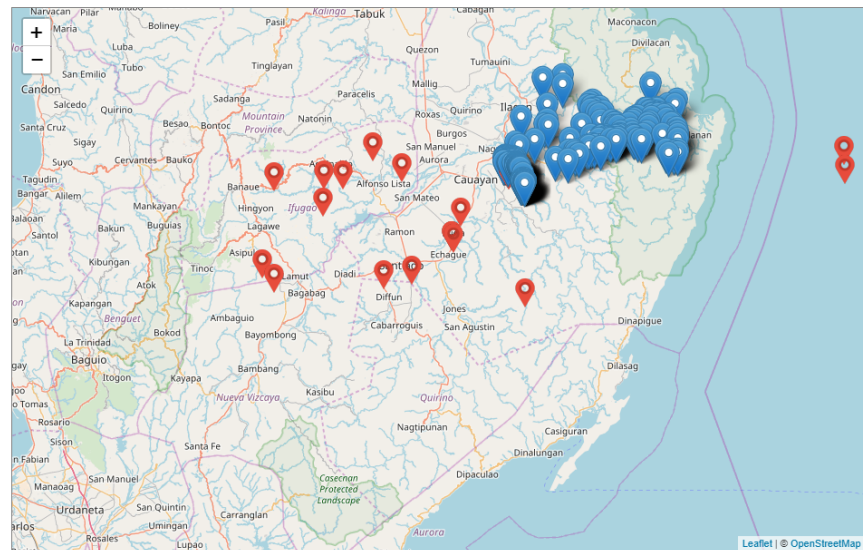
Disease detection

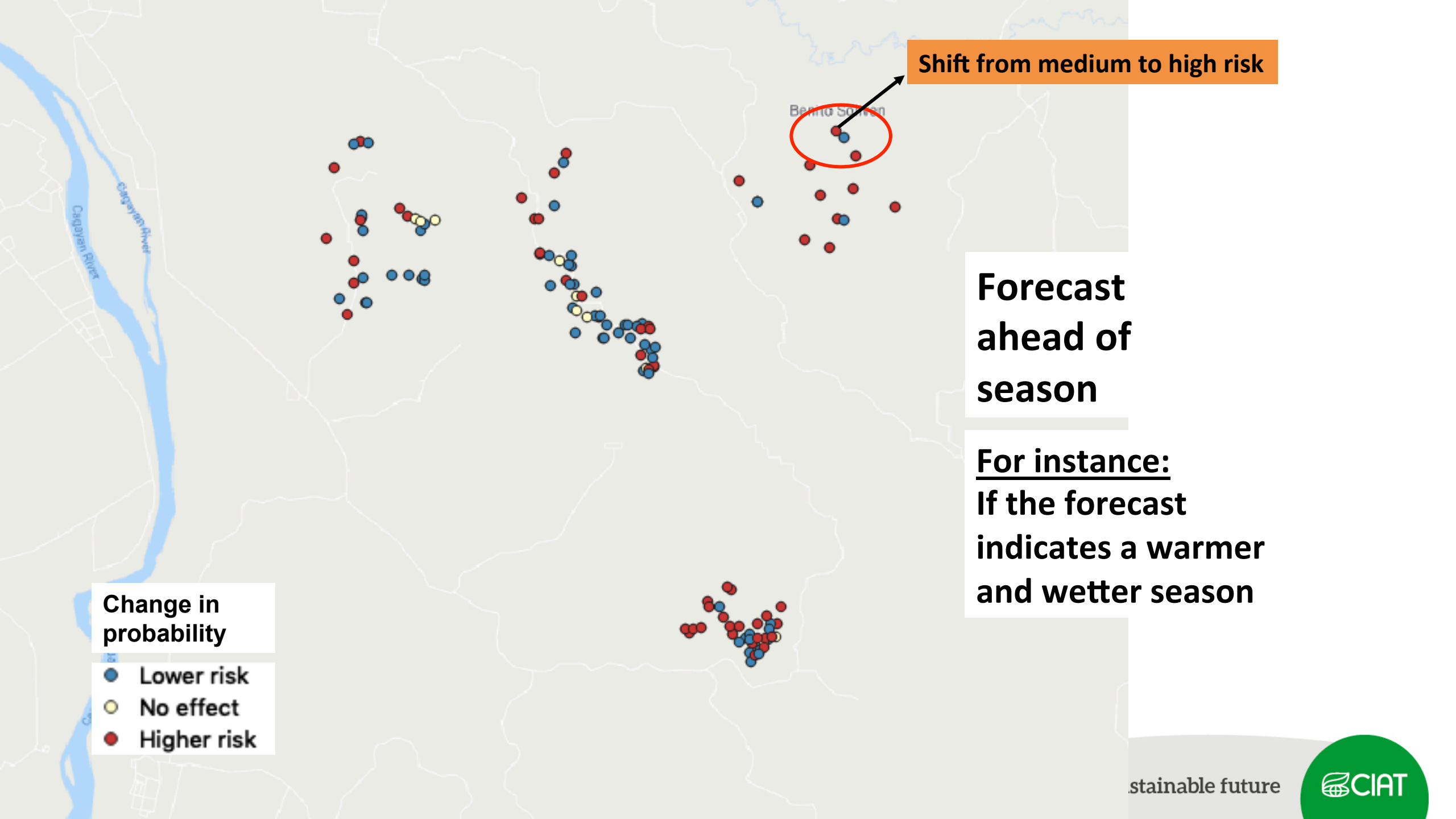
2

Prediction models for early warning of crop pest and diseases

GPS Plot Points

GPS plot points in Isabela





Shift from medium to high risk

Forecast
ahead of
season

For instance:
If the forecast
indicates a warmer
and wetter season

Change in
probability

- Lower risk
- No effect
- Higher risk

From paper surveys to dynamic data collection and delivery



Taken from Chatbots Magazine