

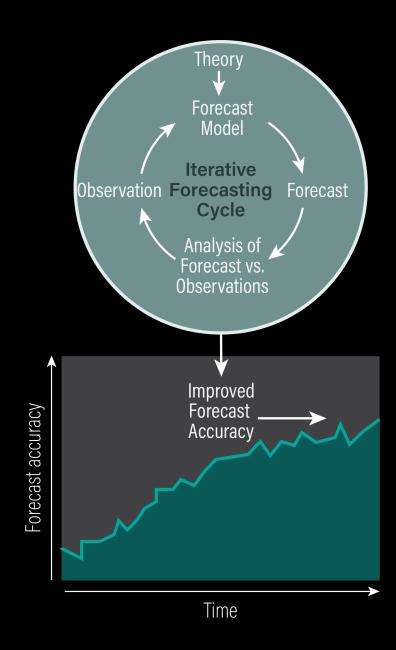
Iterative Forecasting to determine potential program effectiveness for Sudden Oak Death

Chris Jones, Shannon Jones, An**Re**trasova Vashek Petras, BenSeliger, Eli Horner, Ross Meentemeyer



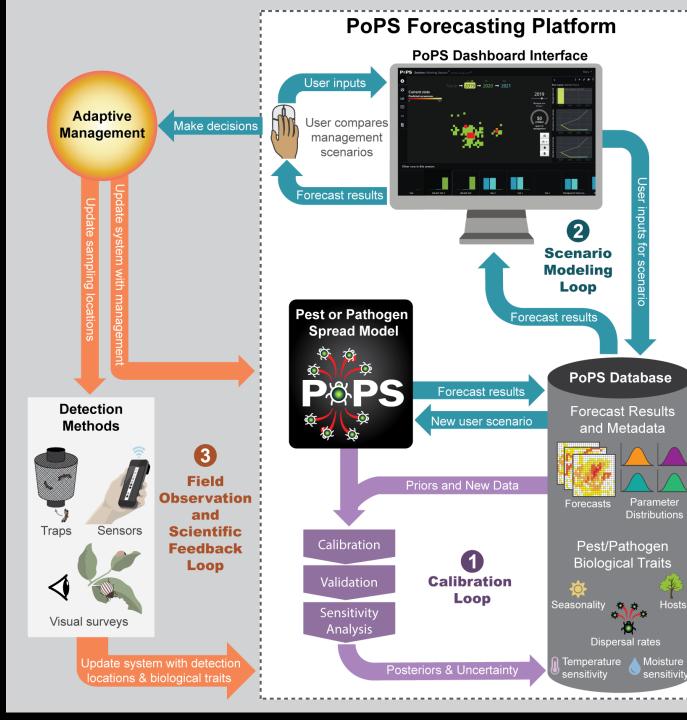


Iterative Forecasting Improves Forecasts Steadily Over Time



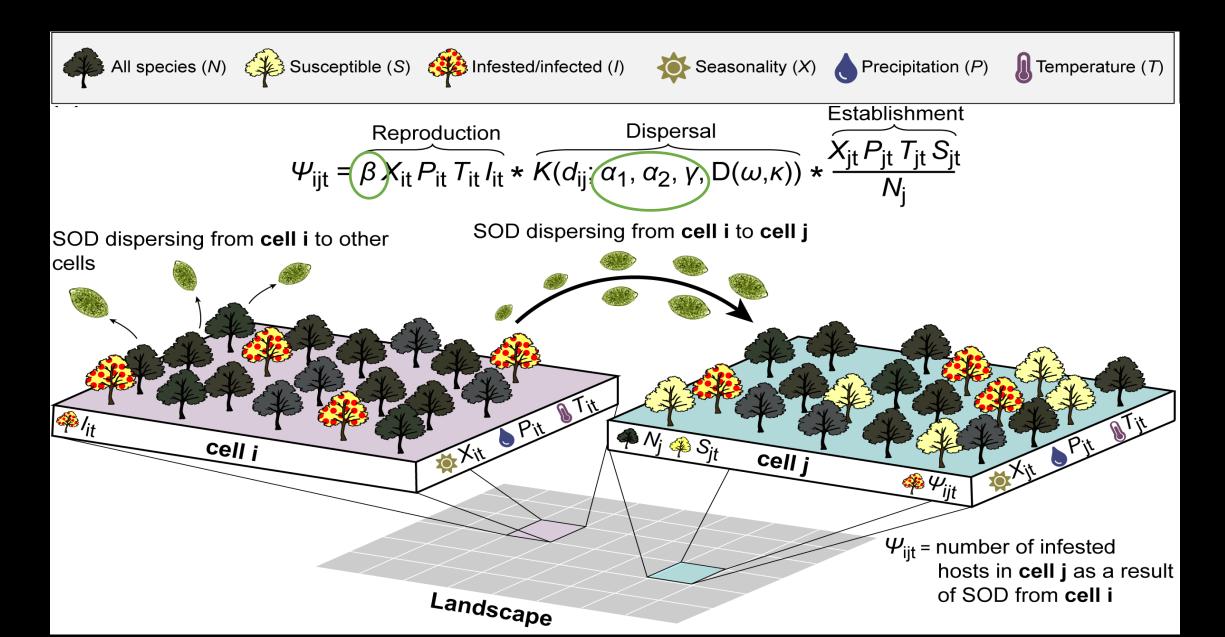
Iterative Forecasting in Ecology:

We believe iterative ecological forecasting can help us improve our ability to model pest and pathogen spread.



Stakeholder feedback Workshops and stakeholder interactions 4 **Participatory Feedback** Loop Updated model and interface **External Data** Host Map Weather

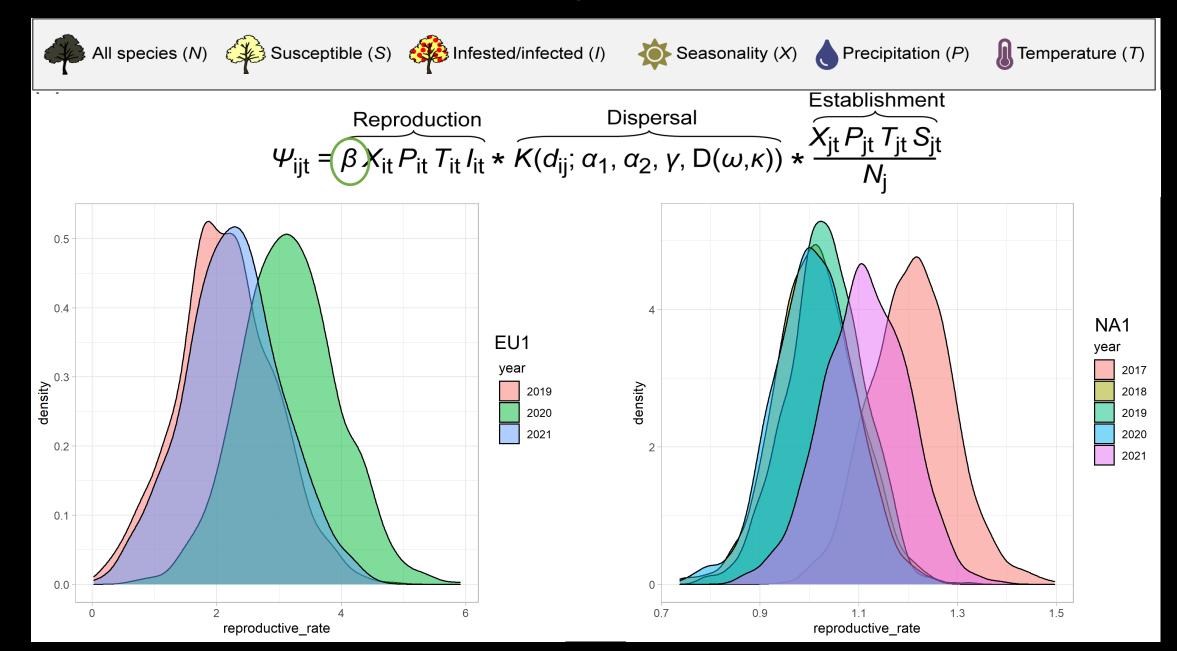
Forecasting SOD spread



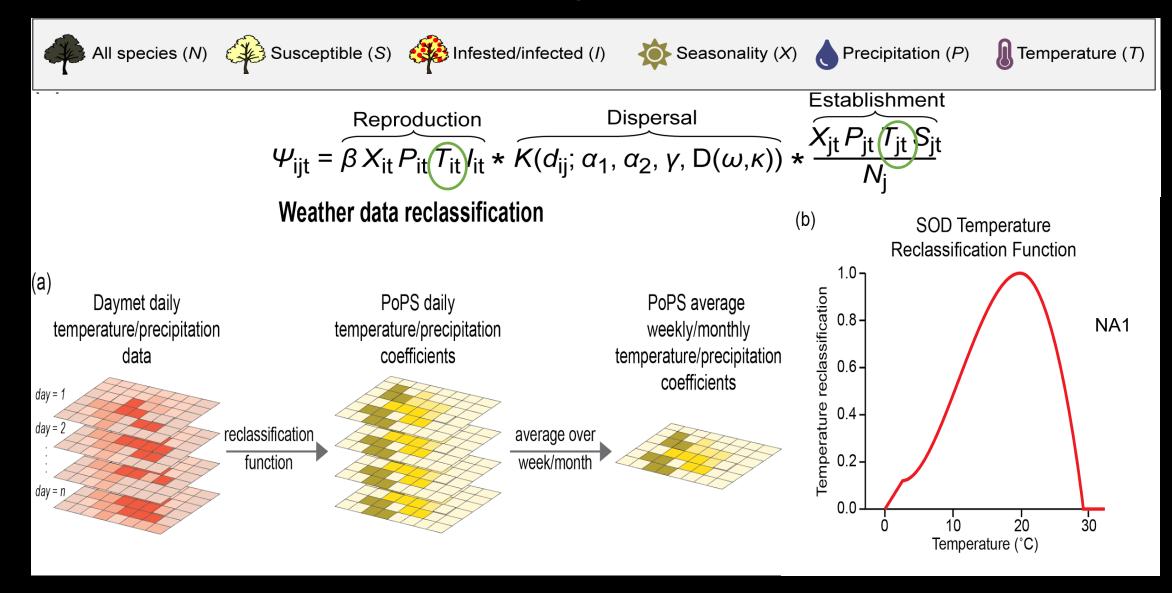
PoPS Forecasting and Control System



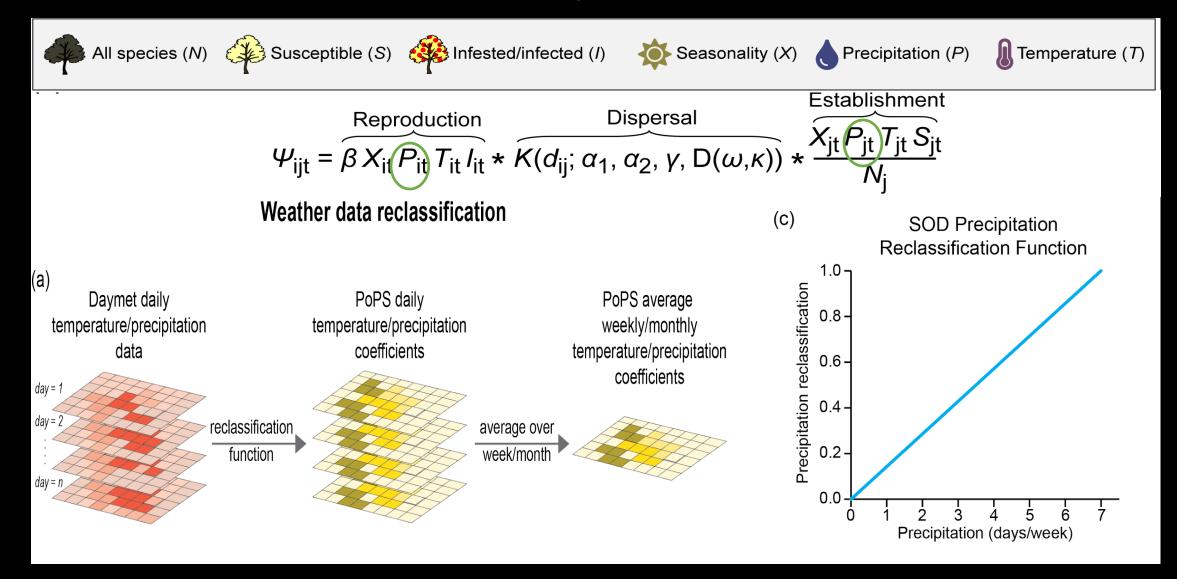
Forecasting SLF spread



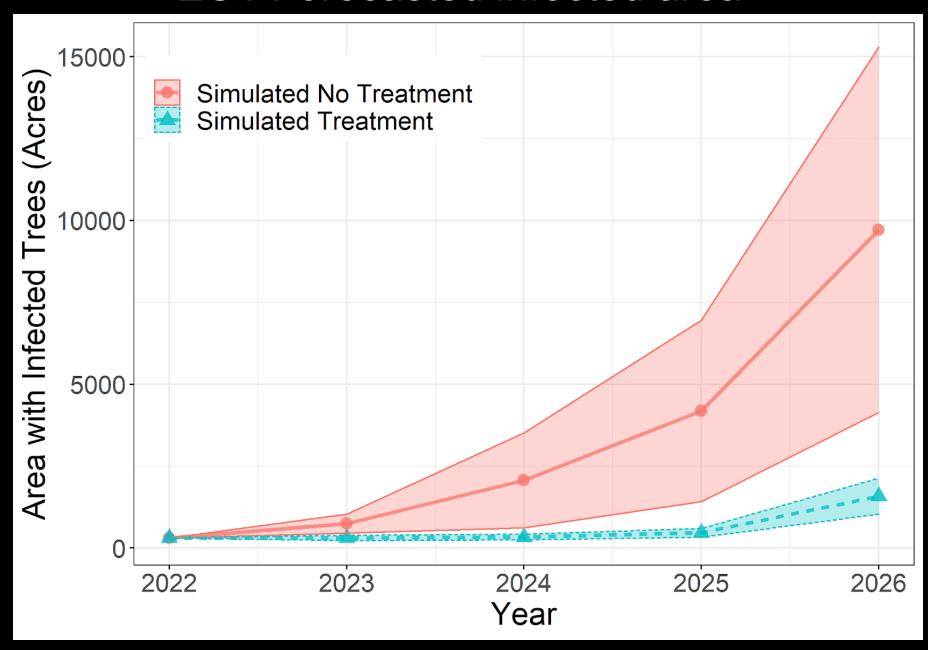
Forecasting SLF spread



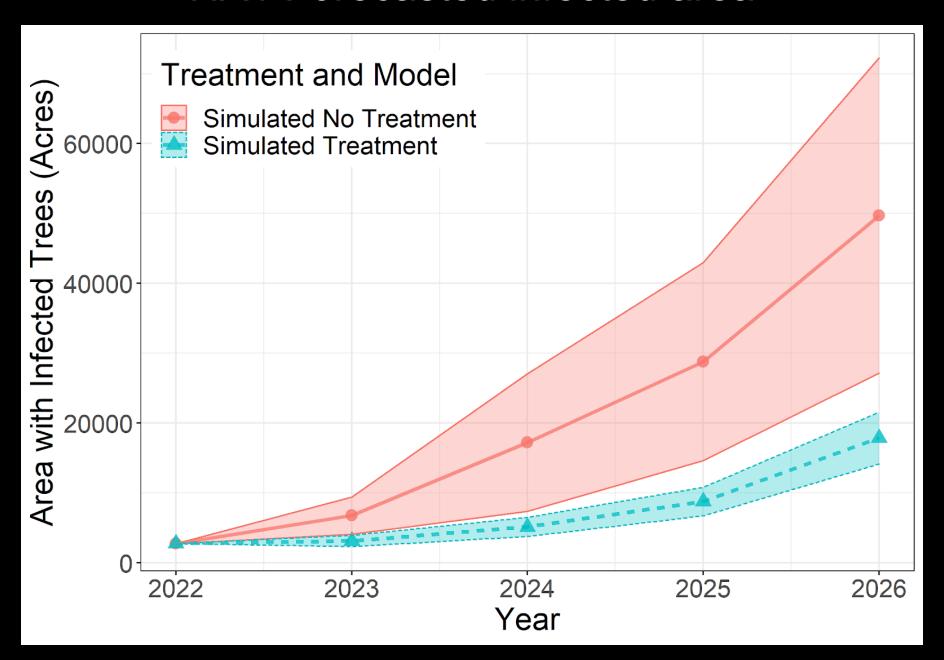
Forecasting SLF spread



EU1 Forecasted infected area



NA1 Forecasted infected area



Acknowledgements

Center for **Geospatial** Analytics

NC STATE UNIVERSITY

Megan Skrip **Shannon Jones** Vashek Petras Anna Petrasov Ben Seliger Kellyn Montgomery Ross Meentemeyer



Yu Takeuchi Glenn Fowler Kevin Bigsby Sunil Kunwar Devon Gaydos



Installation instructions at popsmodel.org

Funding:



