



RAPID 'ŌHI'A DEATH

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The ROD Working Group

USDA Forest Service

USDA Agricultural Research Service

UH Mānoa College of Tropical Agriculture and
Human Resources

Hawai'i Department of Agriculture

Department of Land and Natural Resources –
Division of Forestry & Wildlife

US Geological Survey

Hawai'i Invasive Species Council

Invasive Species Committees

Coordinating Group on Alien Pest Species

Carnegie Airborne Observatory

The Nature Conservancy

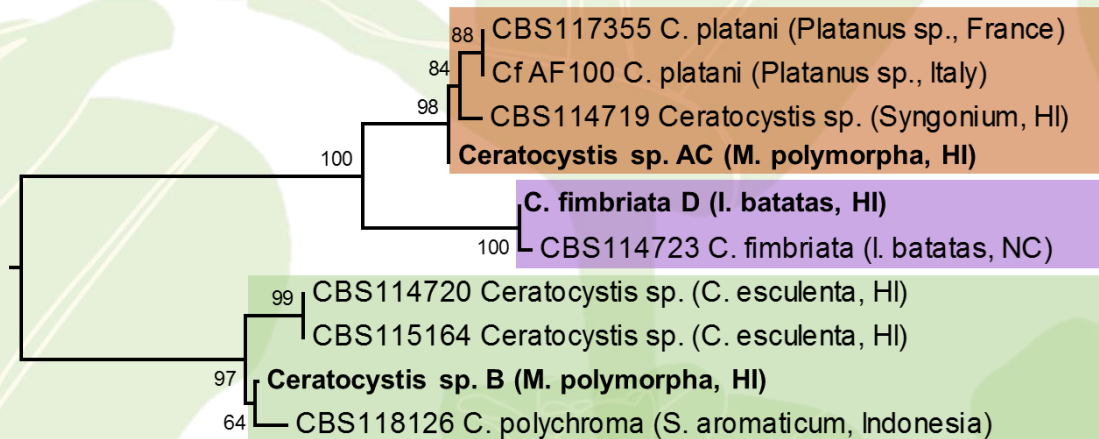
Iowa State University

And many others...

Rapid 'Ōhi'a Death Pathogen: *Ceratocystis*

Lisa Keith, Wade Heller

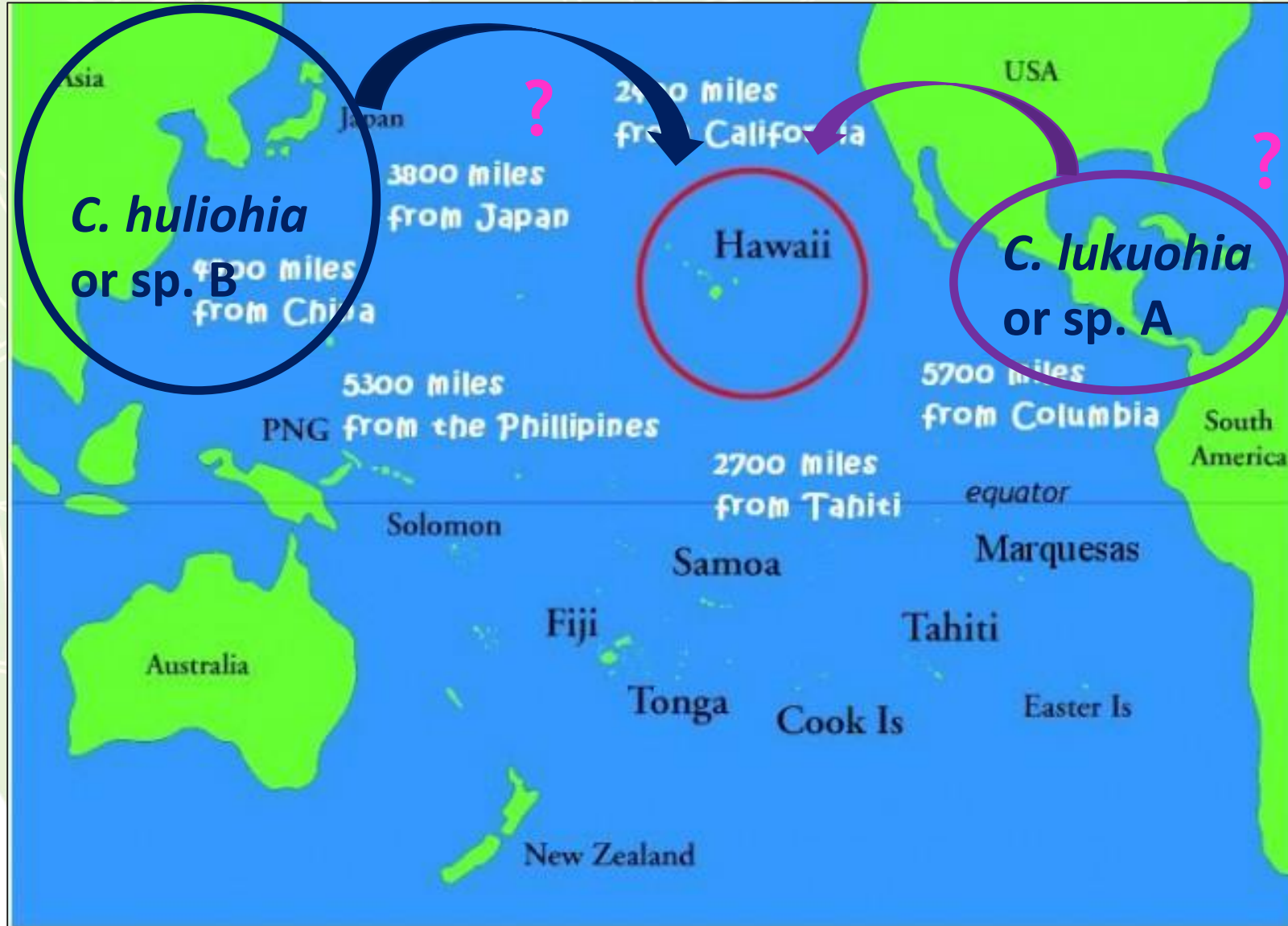
MOLECULAR ANALYSES, GROWTH, MORPHOLOGY

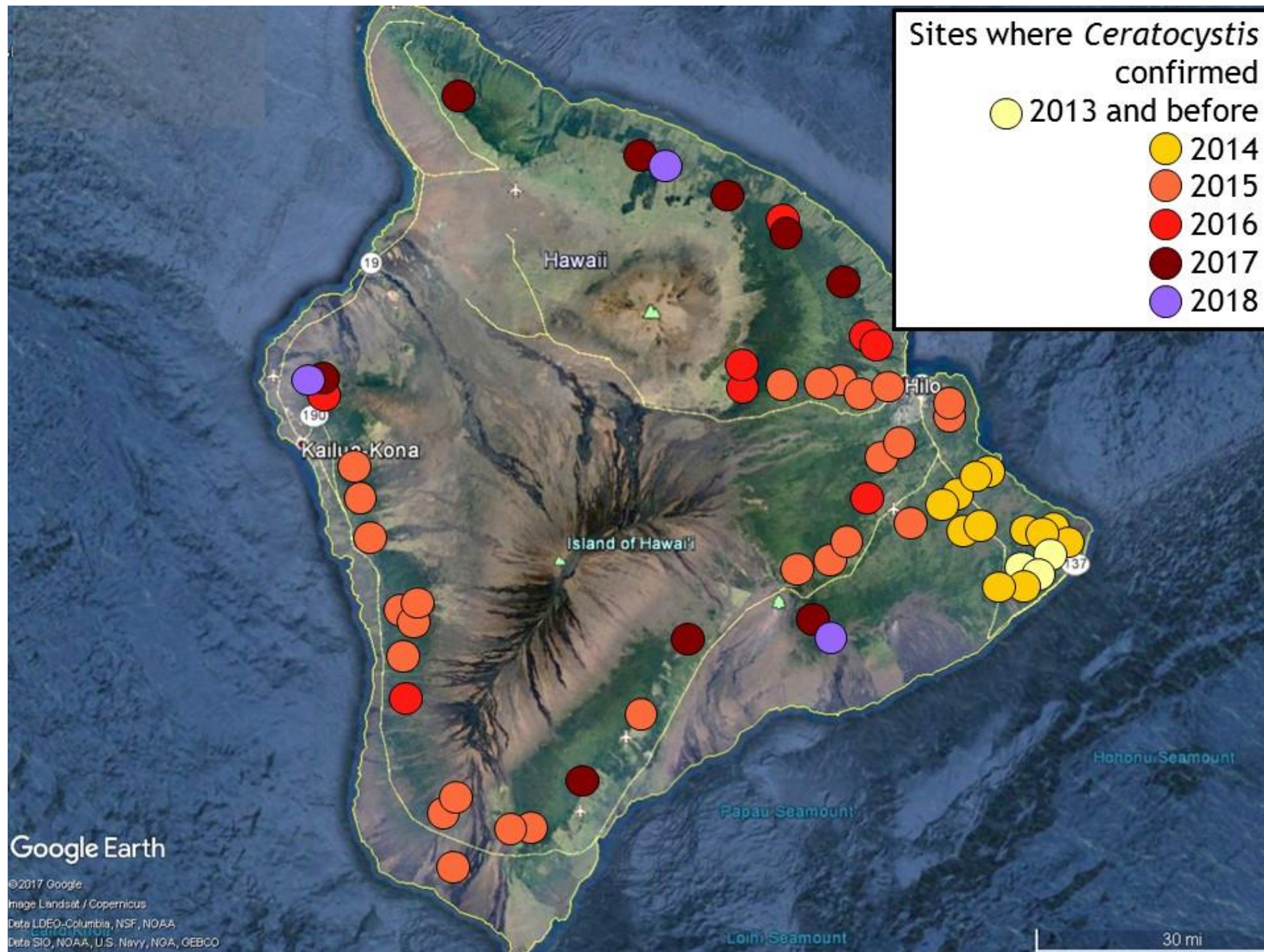


- Two new species of fungal pathogen ***Ceratocystis***
- Not found elsewhere
- *Ceratocystis lukuohia* (was A), *Ceratocystis huliohia* (was B)

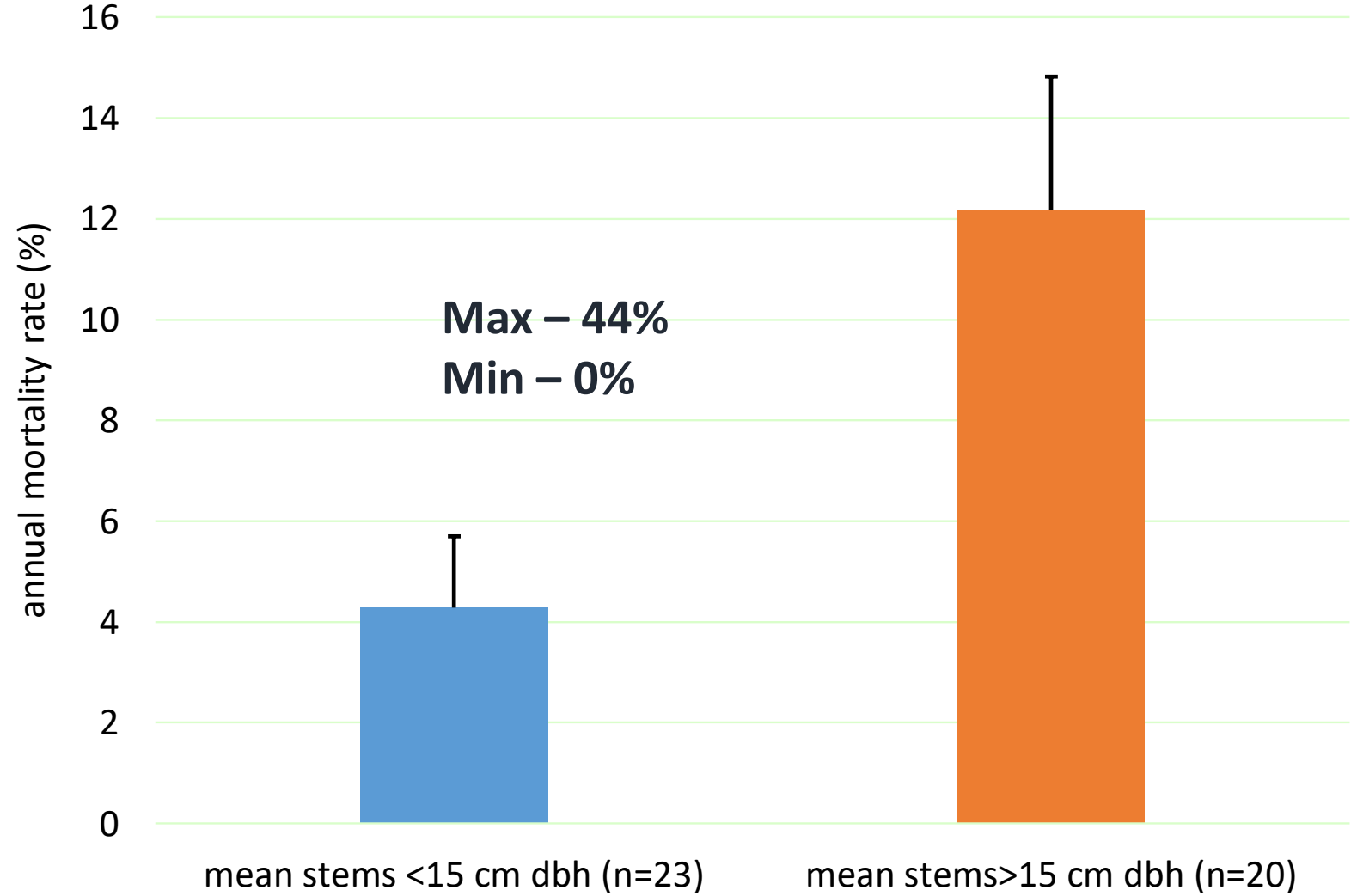


Where did the fungus come from?

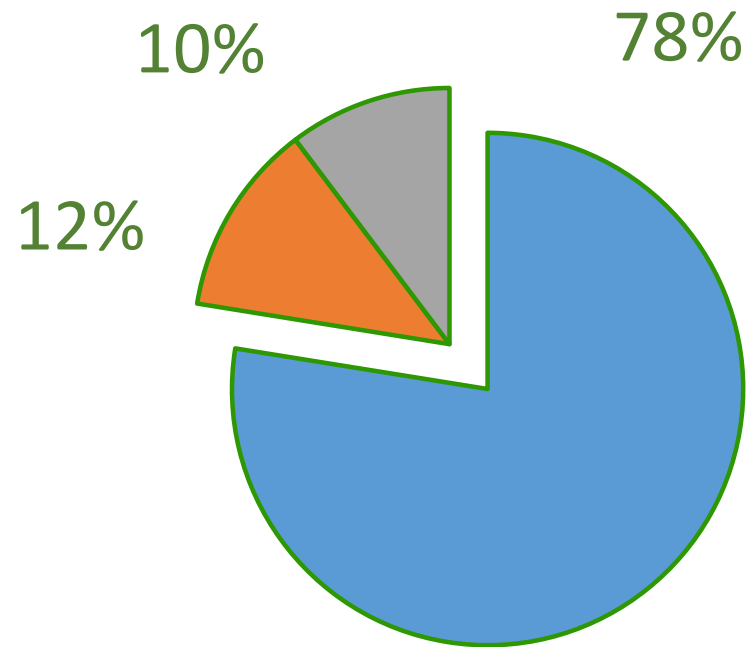




Ceratocystis-induced average annual mortality rate = 10%



Forest Stand Basal Area (Index of Biomass)



■ Ohia ■ Other Natives ■ Alien



RAPID
'ŌHI'A
DEATH

Statewide 'Ōhi'a Distribution

