

BIEN: Botanical Information and Ecology Network

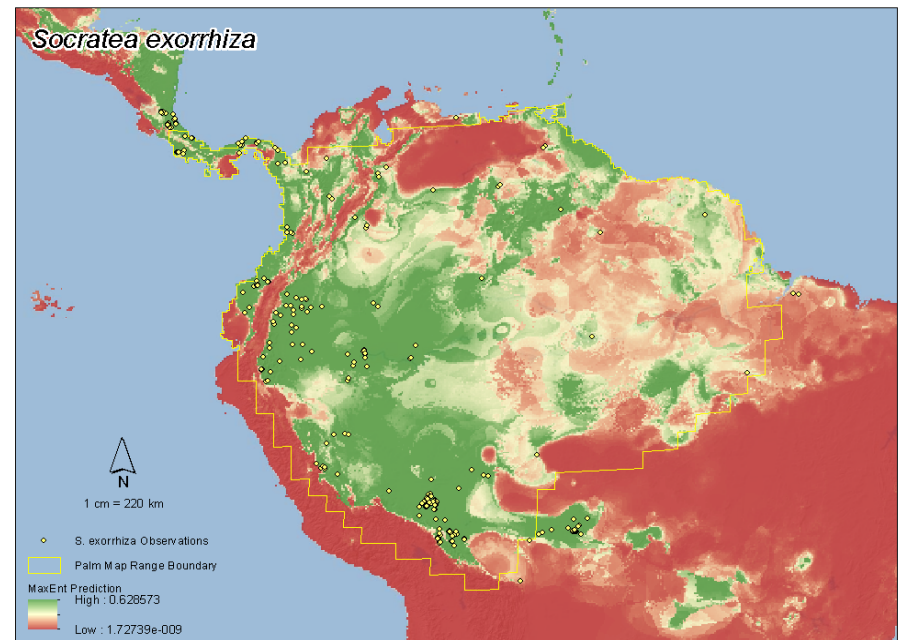
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iPlant 2010 Conference, Las Vegas

BIEN goals

Amalgamation of existing online plant species occurrences:

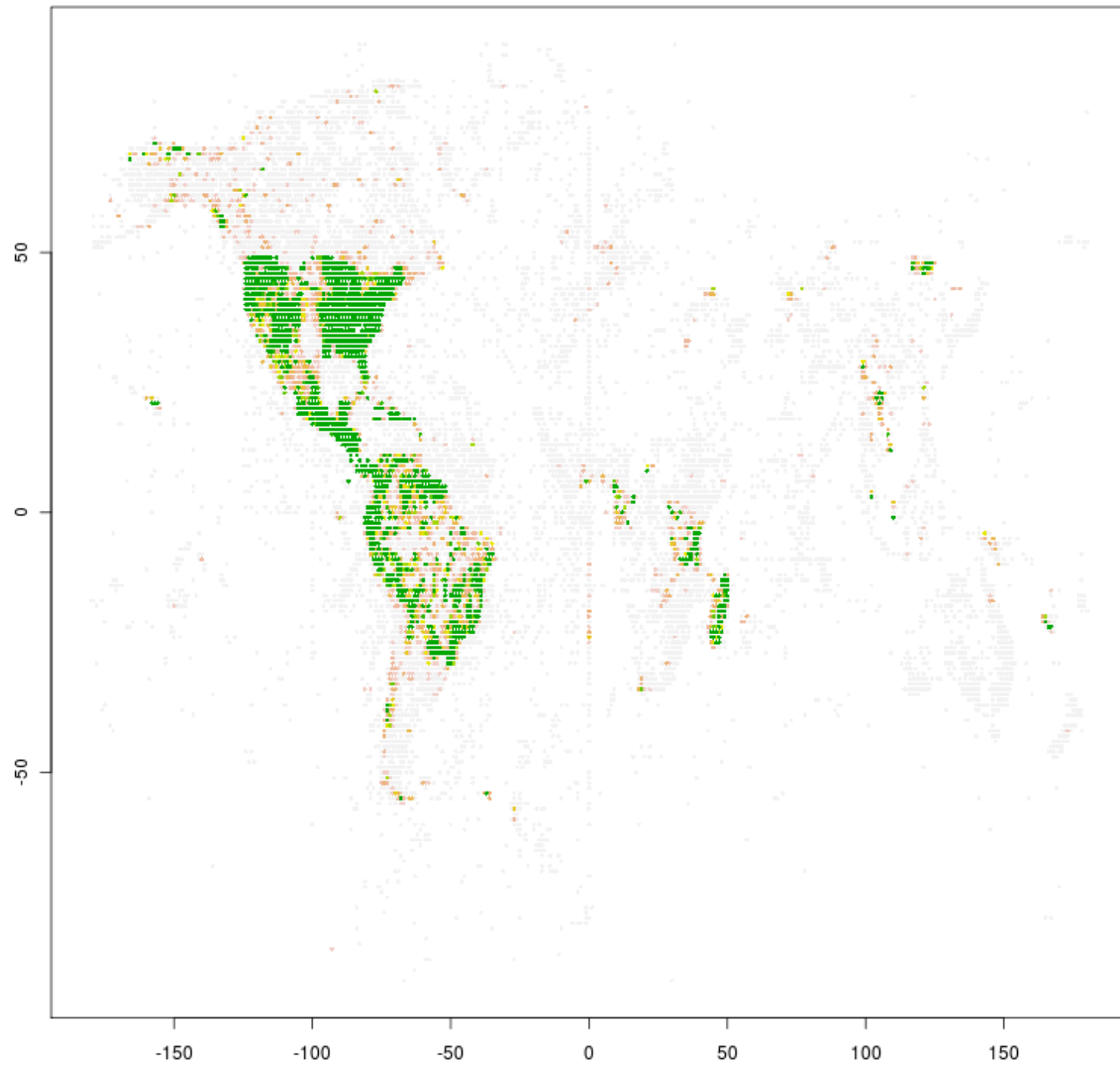
- Collect all in one place in common format for ease of use
- Design a database to allow regular updates
- Careful screening of taxonomy
- Open access



Current BIEN database

- 15,059,583 occurrence records
 - 5,130,485 are plots, with an abundance
 - 9,929,098 are herbarium records
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- 9,931,559 records have a confirmed species name
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- 244,103 distinct names

BIEN Database Species Occurrence Density



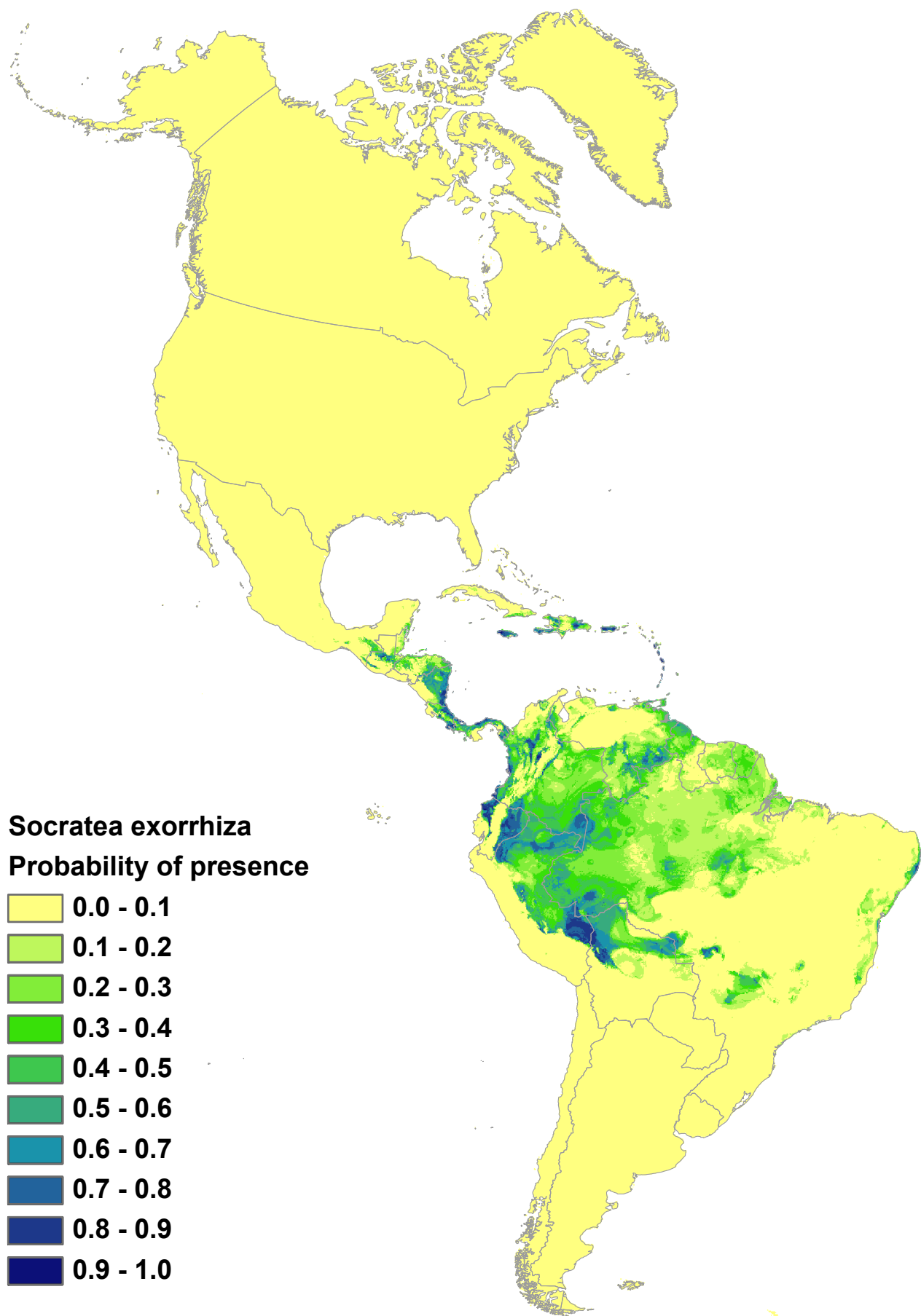
Socratea exorrhiza

Actual distribution

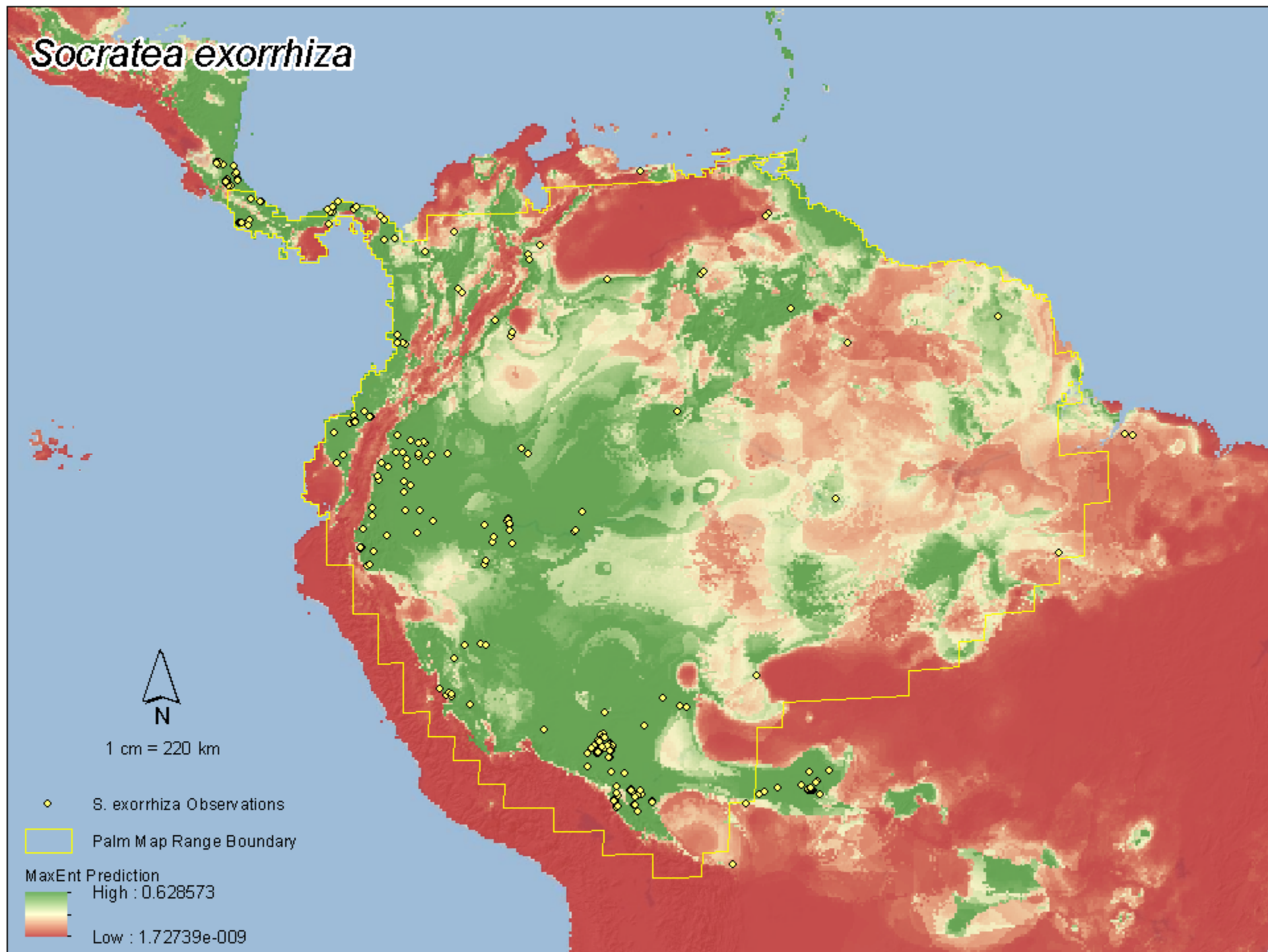


Socratea exorrhiza

Potential distribution

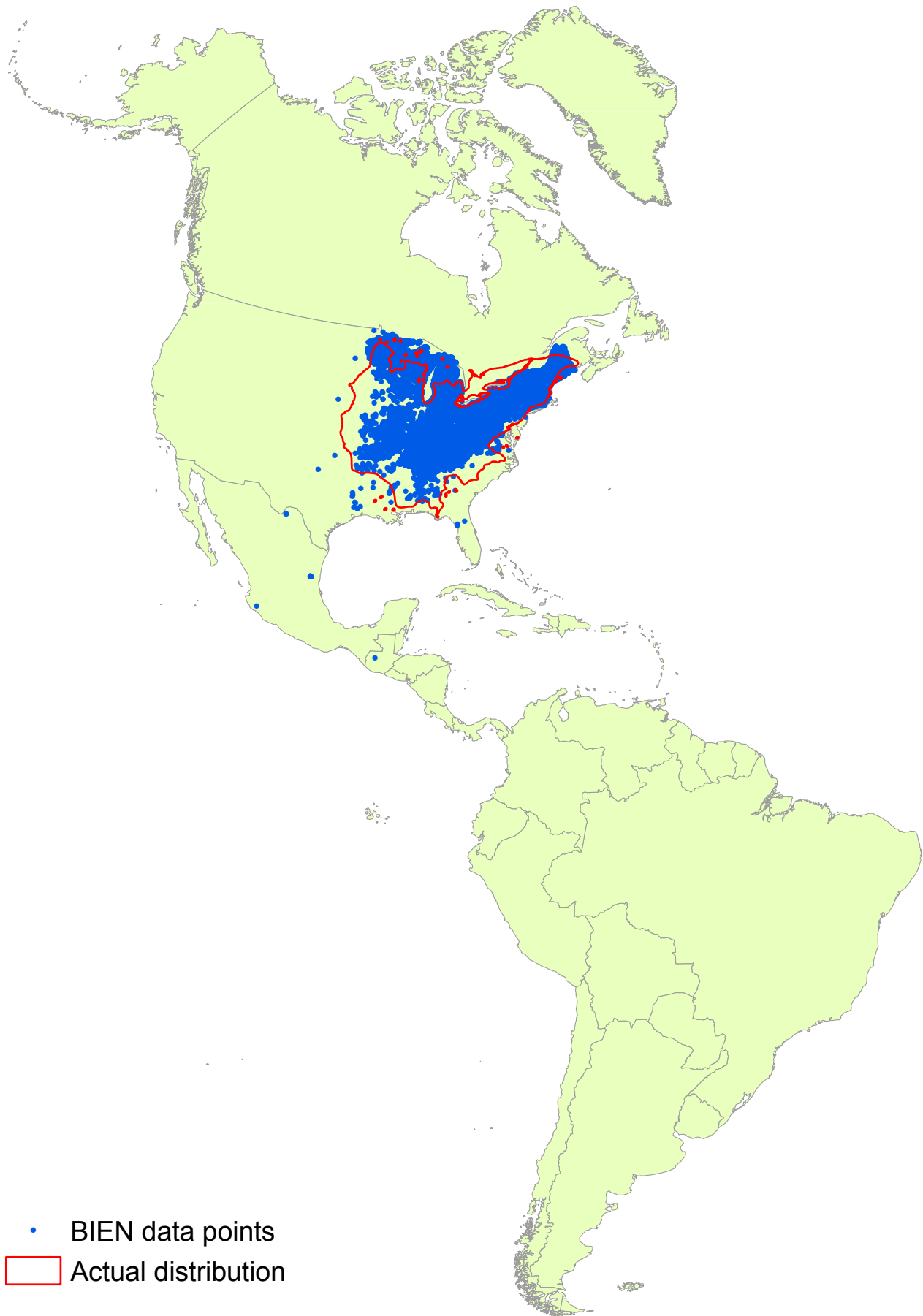


Socratea exorrhiza



Acer saccharum

Actual distribution



Acer saccharum

Potential distribution

