

Enveritas

Deforestation and Traceability in the coffee supply chain

Confidential
March 2022

Today's discussion



Risk assessment



Traceability

Risk assessment

Enveritas

Detect deforestation per EU regulation definition	
Provide country level risk assessment (high, medium, low)	
Provide deforestation risk measure at state, district and/or farm level	
Ensuring independence	
Global coverage (30 countries covering >99% of European coffee imports)	
Supporting ECF with explaining constraints to EC regarding traceability	

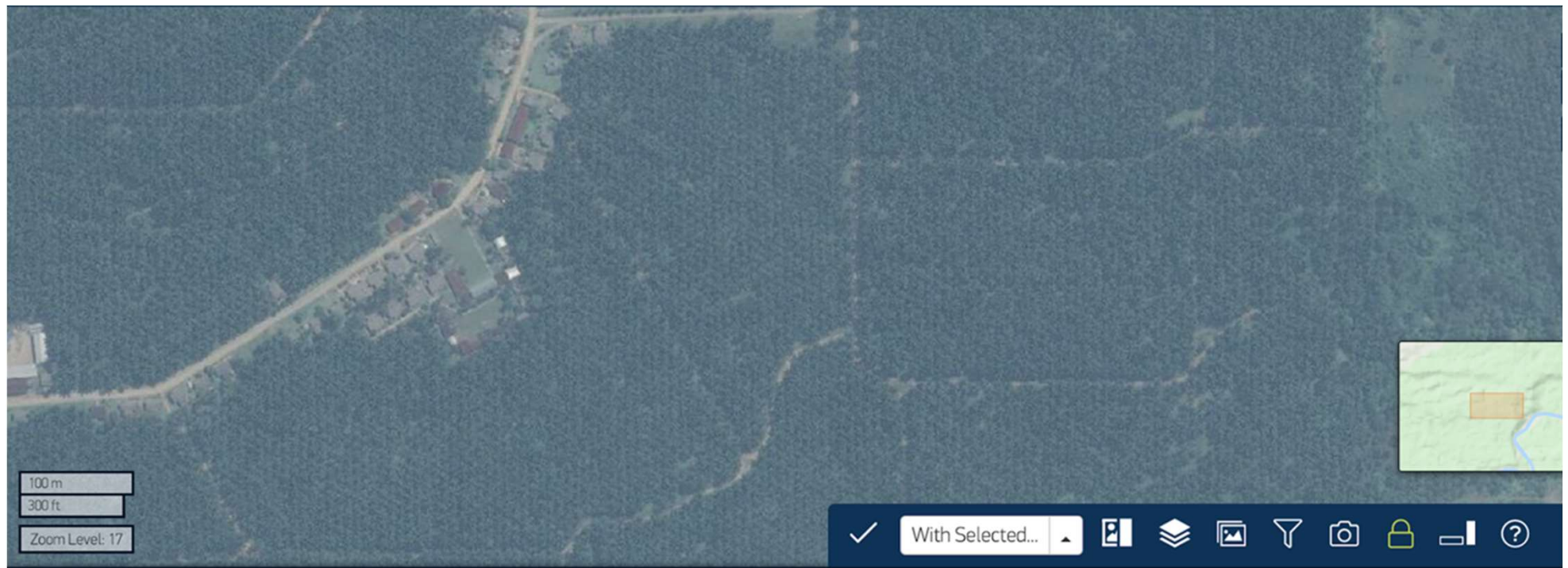
Deforestation detection per EU regulation



Mistaking palm oil plantation clearing for deforestation

Aug 2018

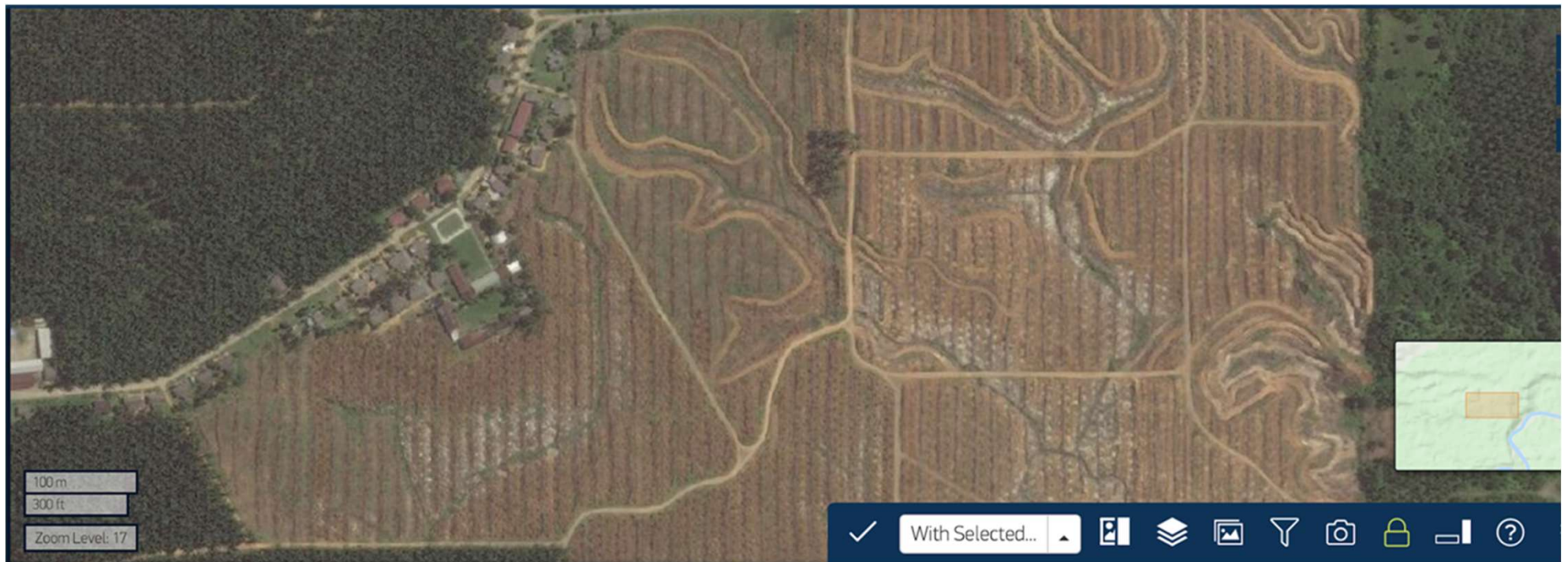
North Sumatra 3.533299,98.196749



Mistaking palm oil plantation clearing for deforestation

Aug 2019

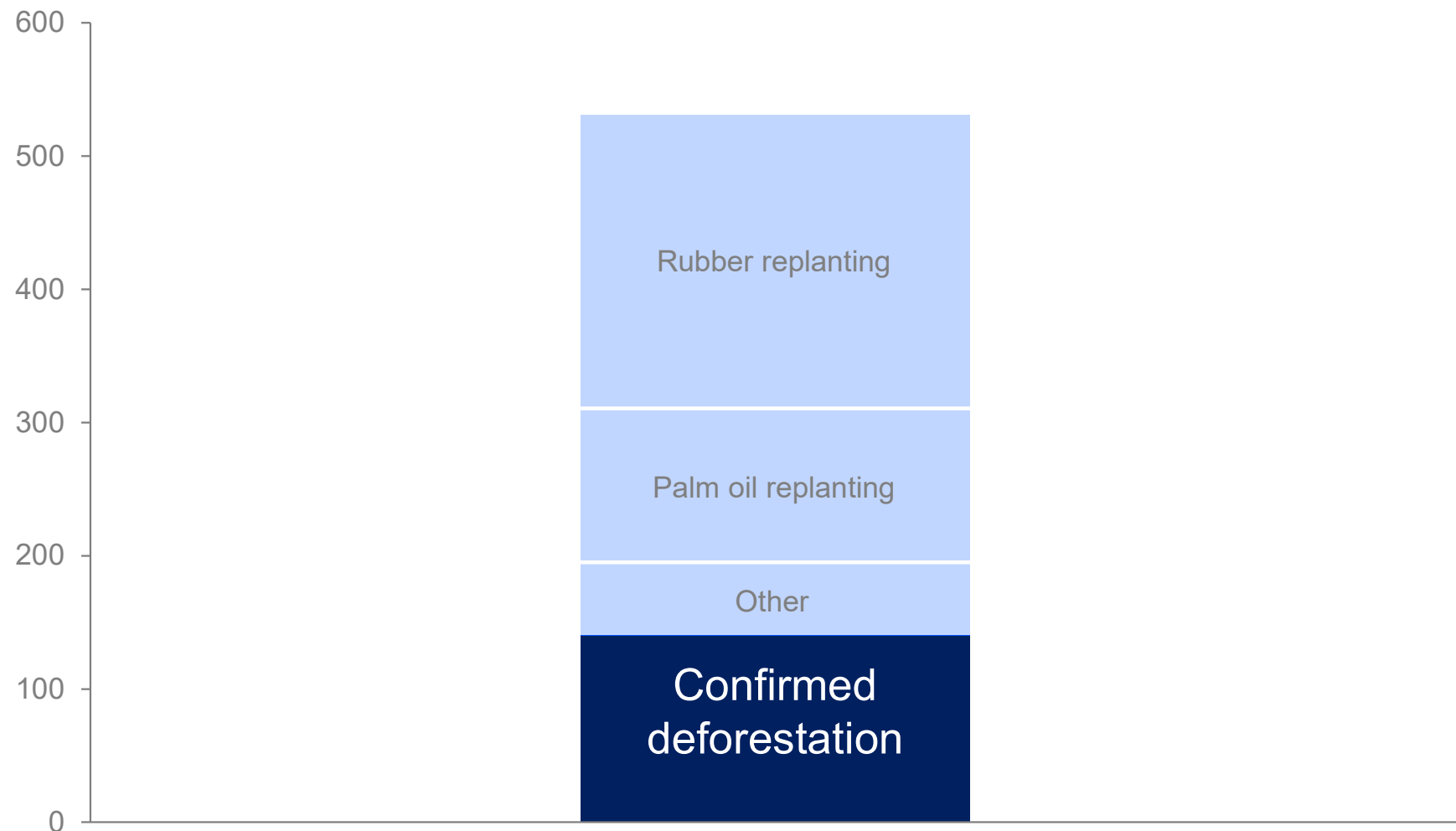
North Sumatra 3.533299,98.196749



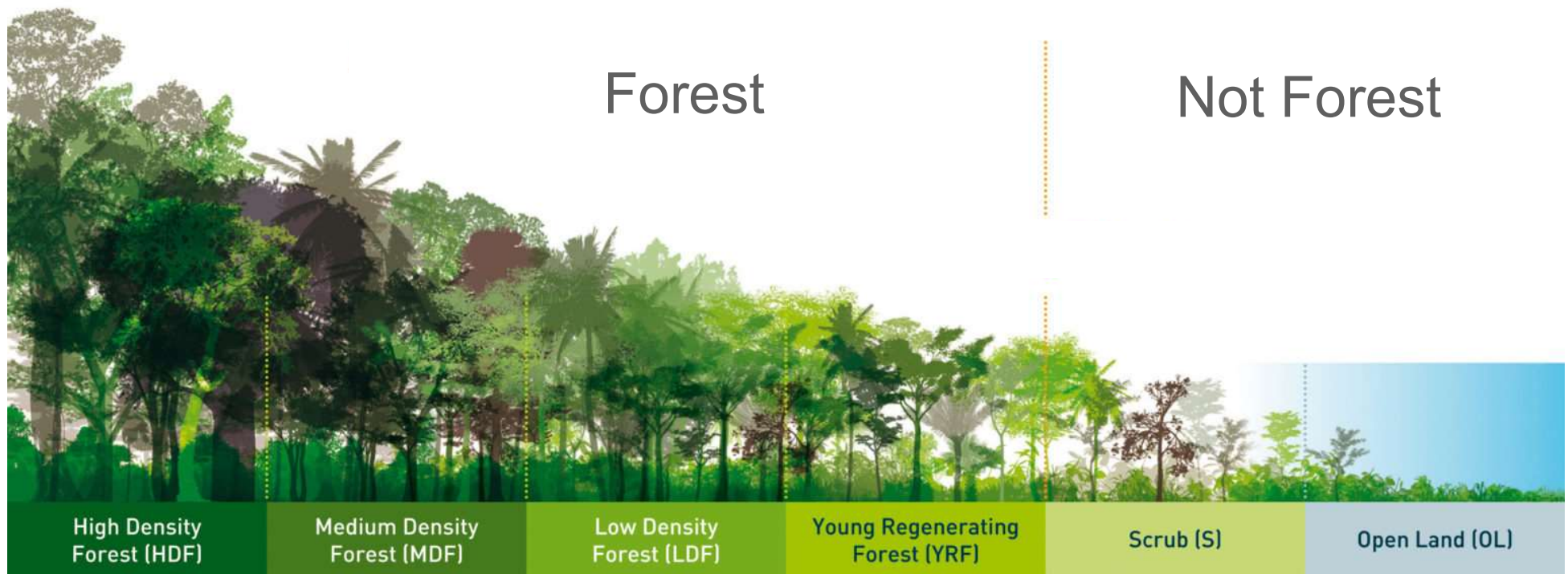
Deforestation significantly less than thought

2019 Sumatra deforestation assessment

Hectares Thousands

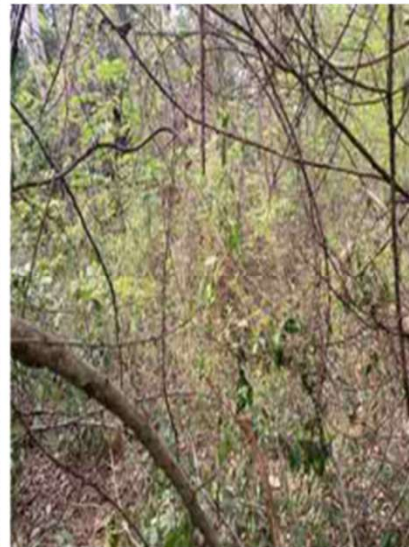
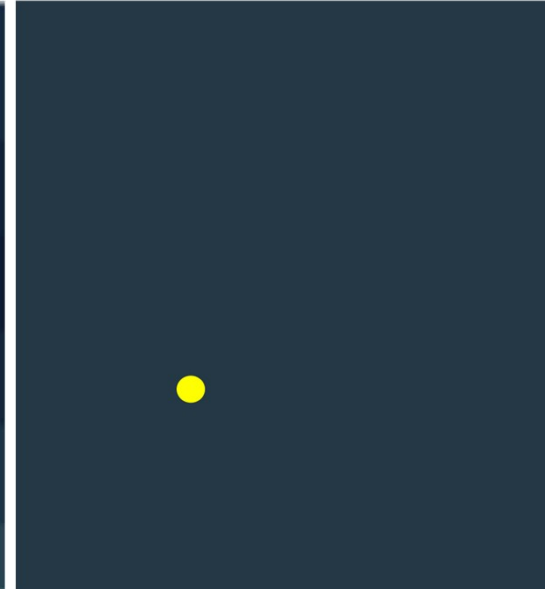
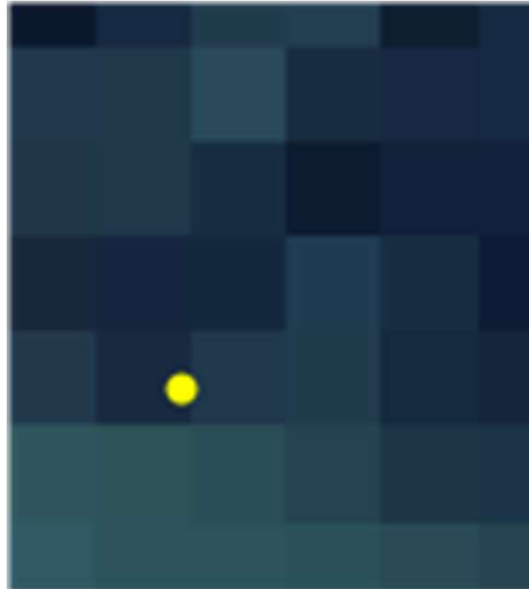
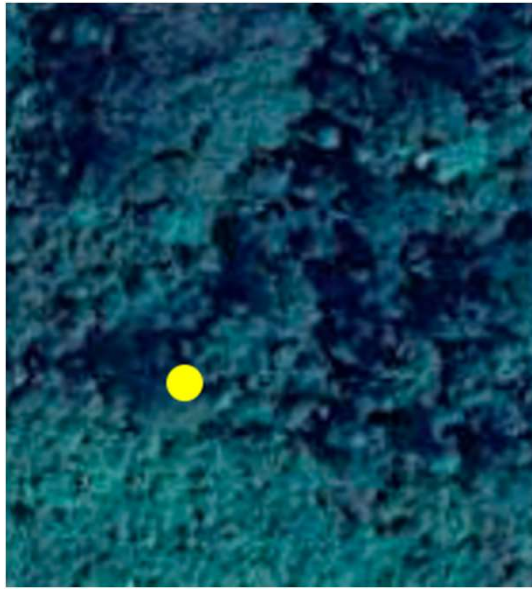


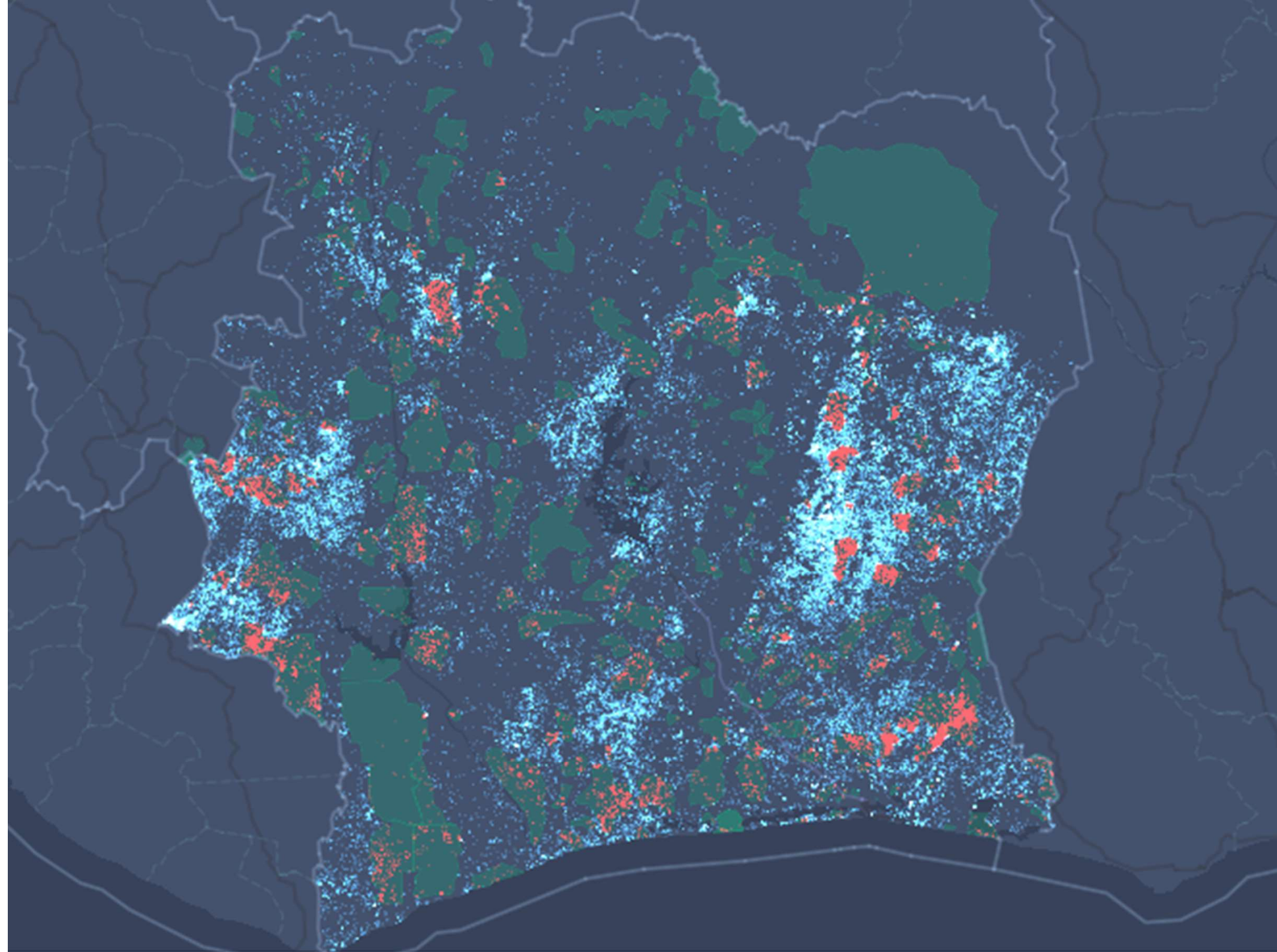
Forest versus not forest





Tree height less than 5 meters

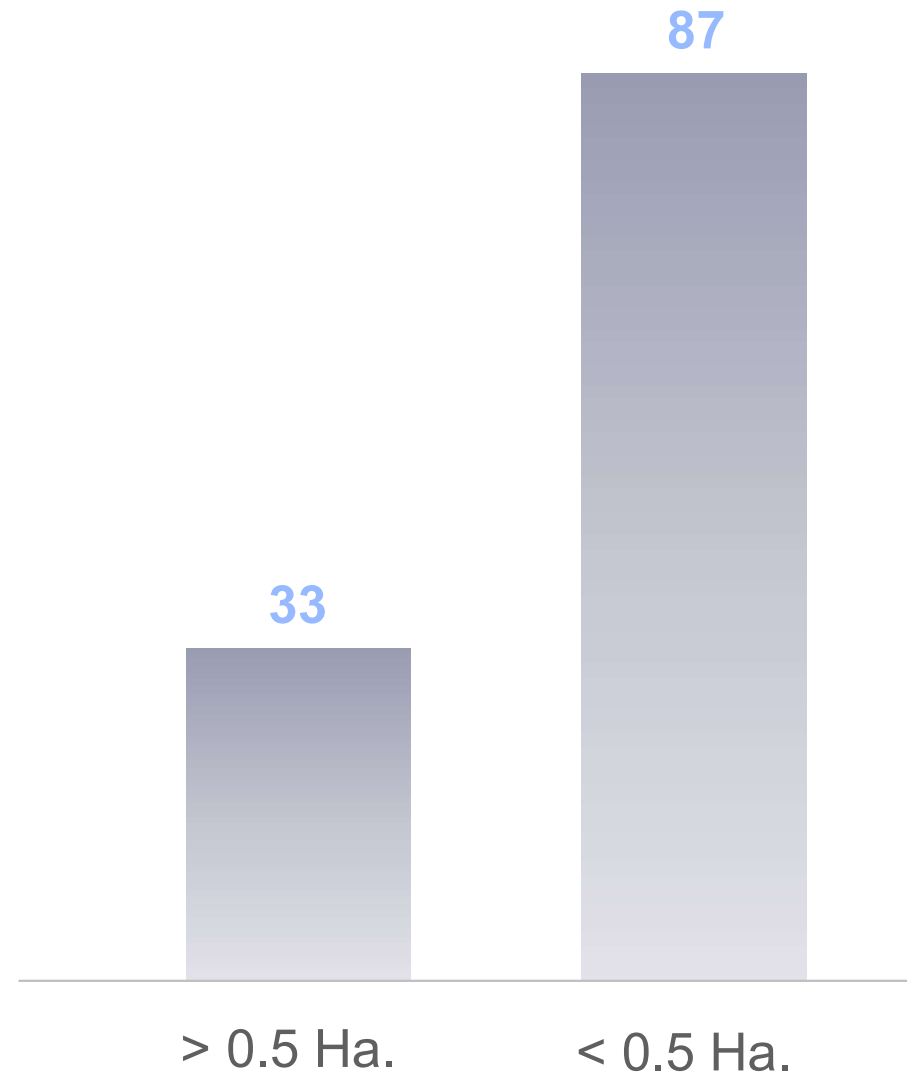




Deforestation events greater than 0.5 ha.

2019 Cote d'Ivoire deforestation events

Thousands



Ground-truthing CIV cocoa

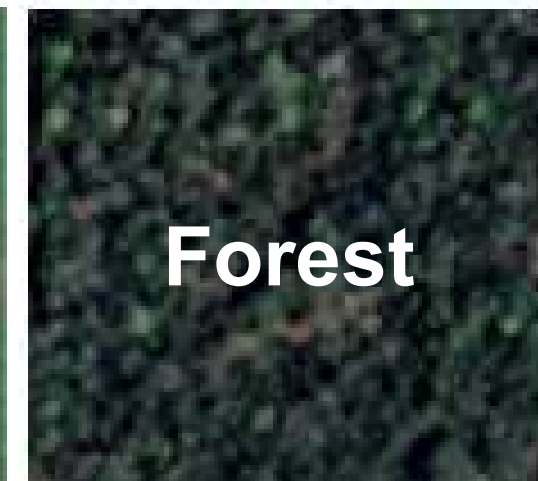
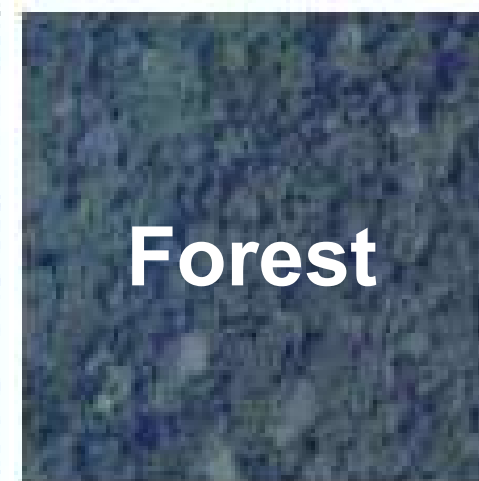
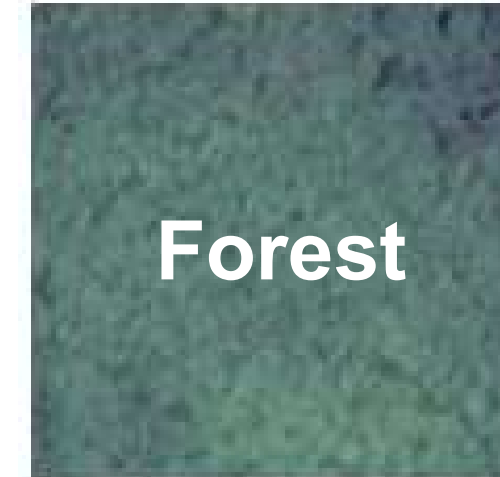
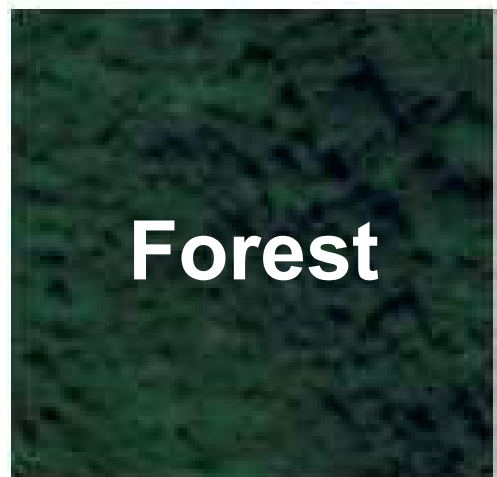


Ground-truthing Sumatra Palm



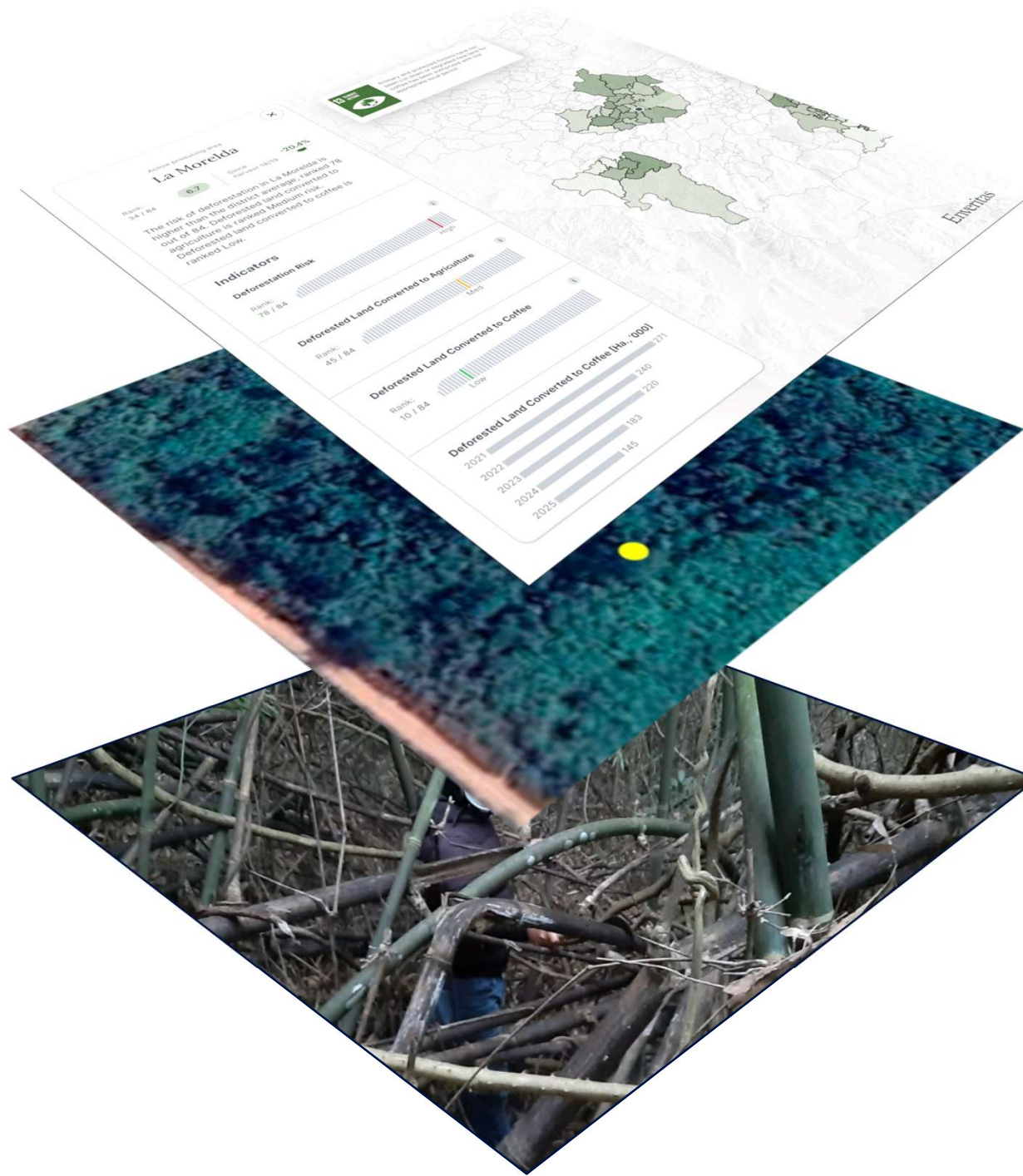
Ground-truthing Ethiopia Coffee and banana under shade







Risk assessment: high, medium, low



Portal

AI

Ground-truth

Today's discussion

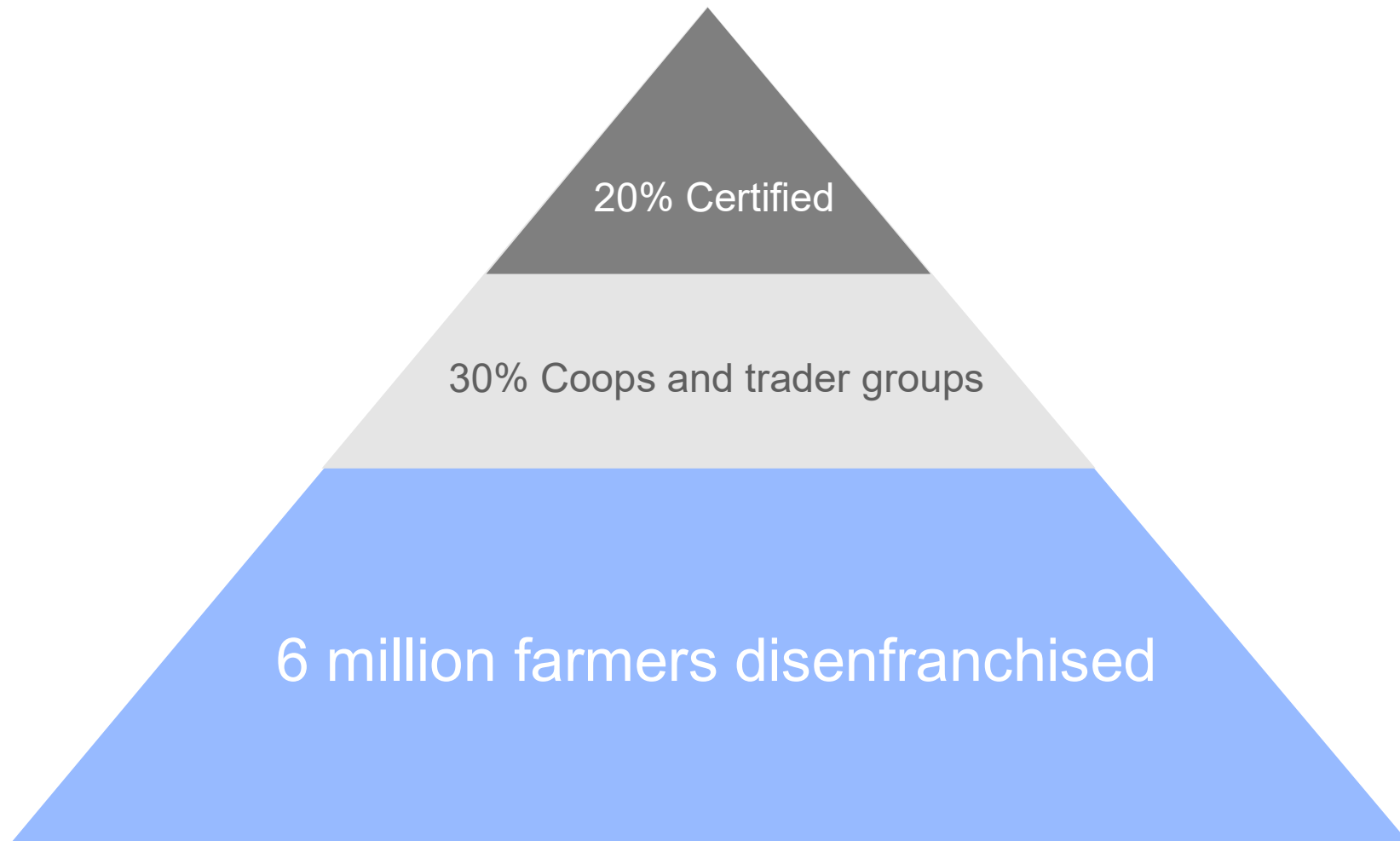


Risk assessment

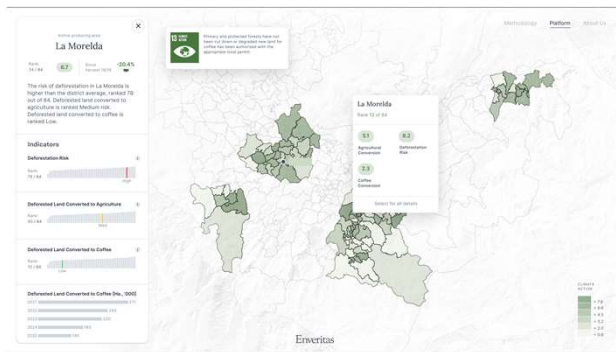


Traceability

The limits of traceability in unstable supply chains



Enveritas role in traceability



Deforestation
estimate

The screenshot displays a table of House Names and their associated data. The table has columns for House Name, Address, and Municipality. The data is organized into a grid with multiple rows and columns, showing a list of house names and their corresponding addresses and municipalities.

Chain of
custody



Roaster