

WPI FUNDECOR IQP: Final Presentation

Melina Iannacchione, Cameron Robbins, Brianna Romero, Liv Santurri

FUNDECOR'S BIOTA program utilizes 8 Indicators to assess biodiversity

















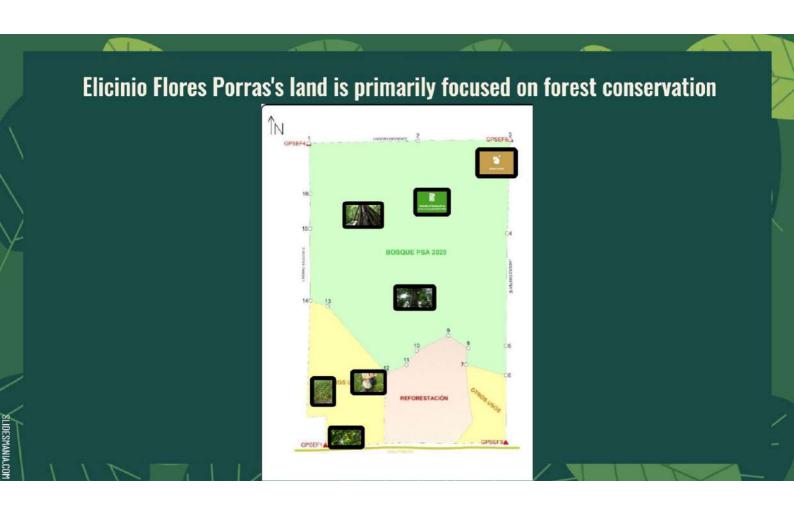


Each small farm in the Sarapiquí region plays a unique role in Costa Rica's national conservation efforts

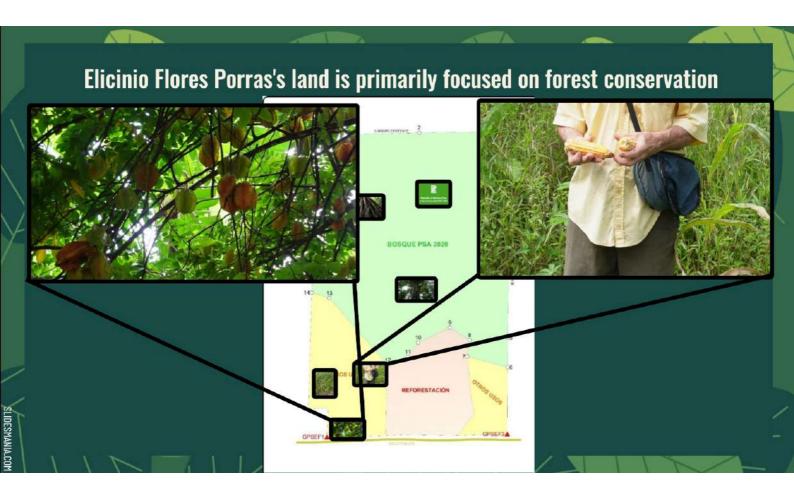


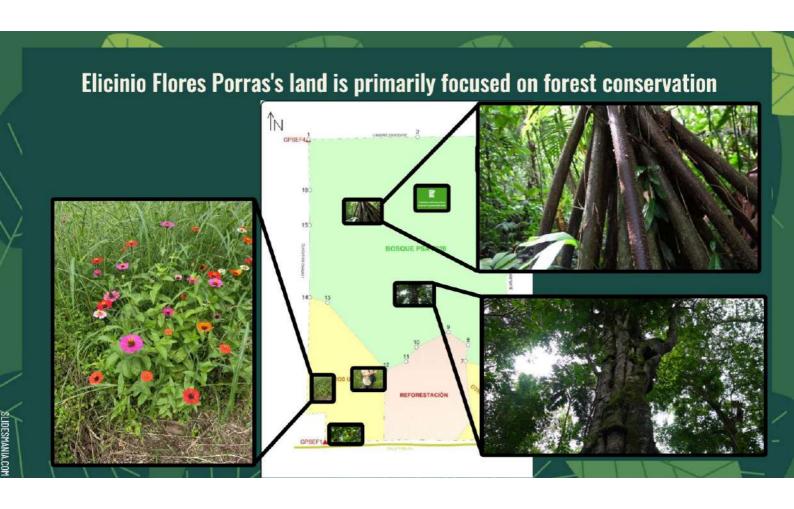


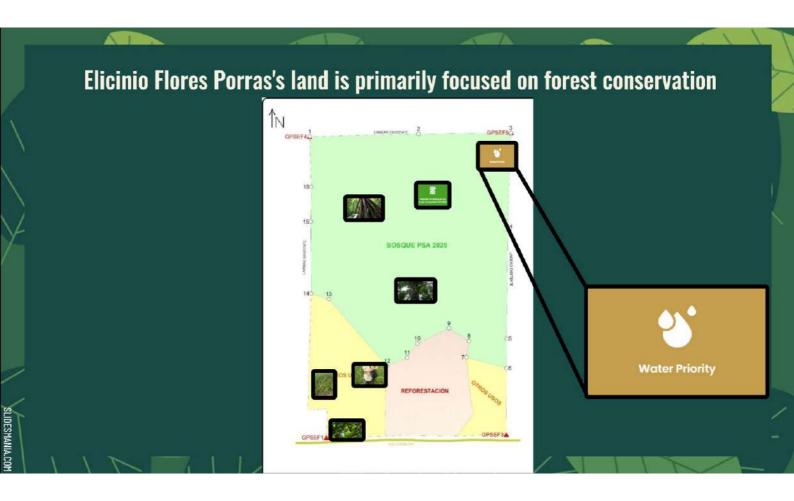
MON	TUE	WED	THU	FRI
Elicinio Flores Porras	Ingrid Mabel Quirós Vargas	David Reuland	Pedro Garcia Rueda	Isalas Arguedas Arce







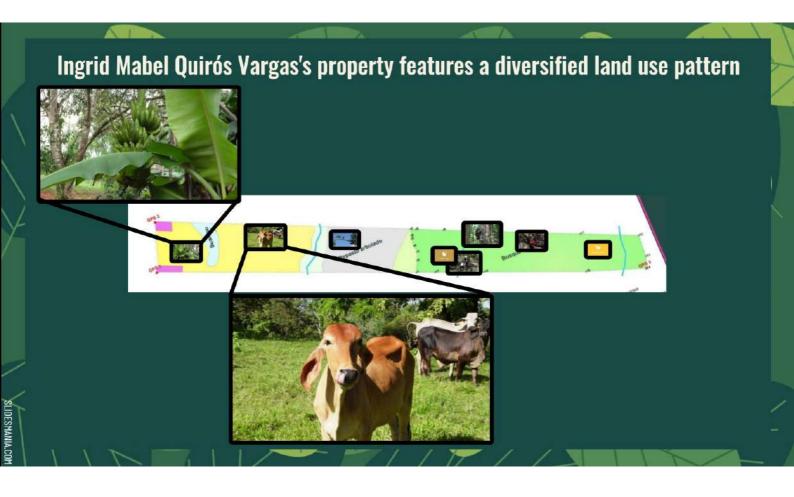


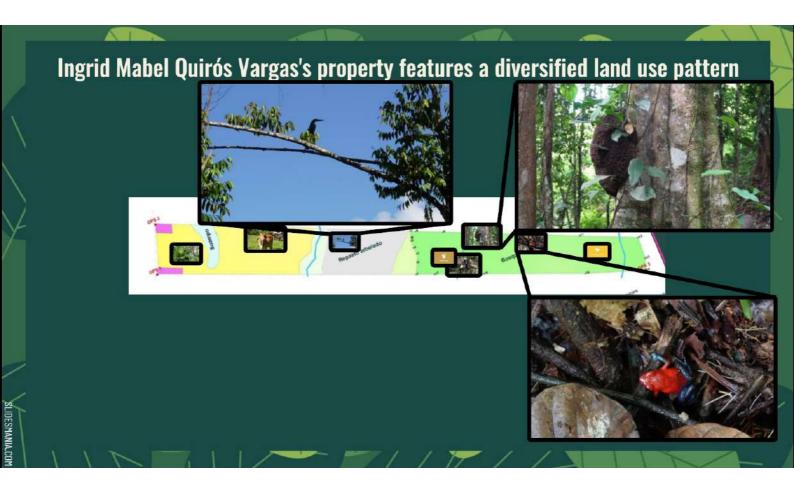




Ingrid Mabel Quirós Vargas's property features a diversified land use pattern







Ingrid Mabel Quirós Vargas's property features a diversified land use pattern



Ingrid Mabel Quirós Vargas's property features a diversified land use pattern Biological Corridors

Ingrid Mabel Quirós Vargas's property features a diversified land use pattern

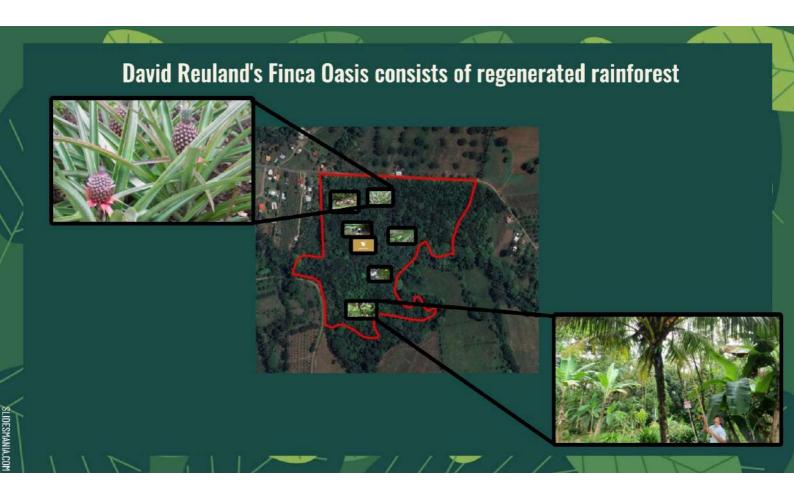


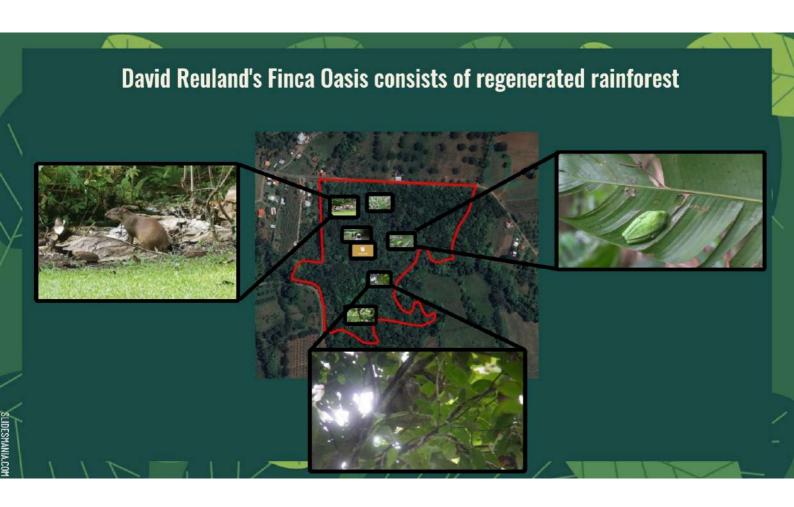
David Reuland's Finca Oasis consists of regenerated rainforest



David Reuland's Finca Oasis consists of regenerated rainforest



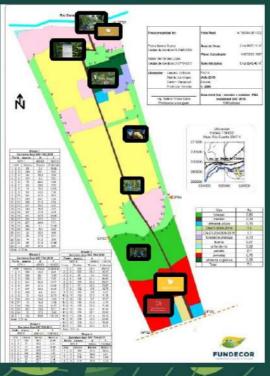


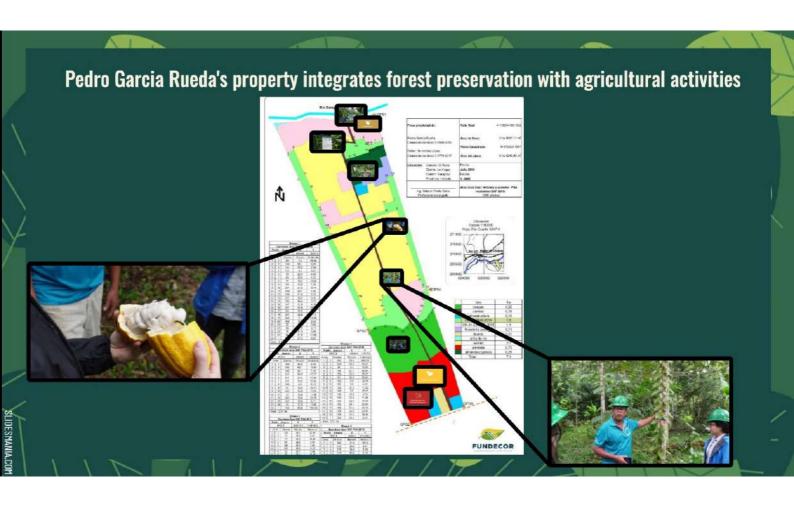


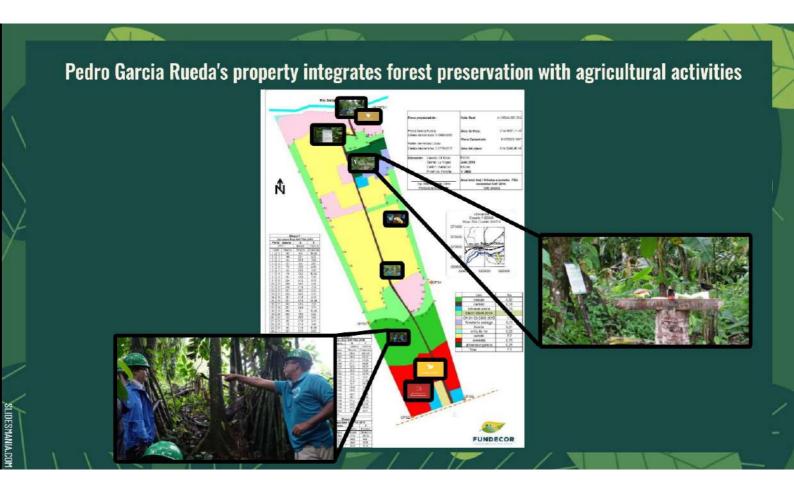


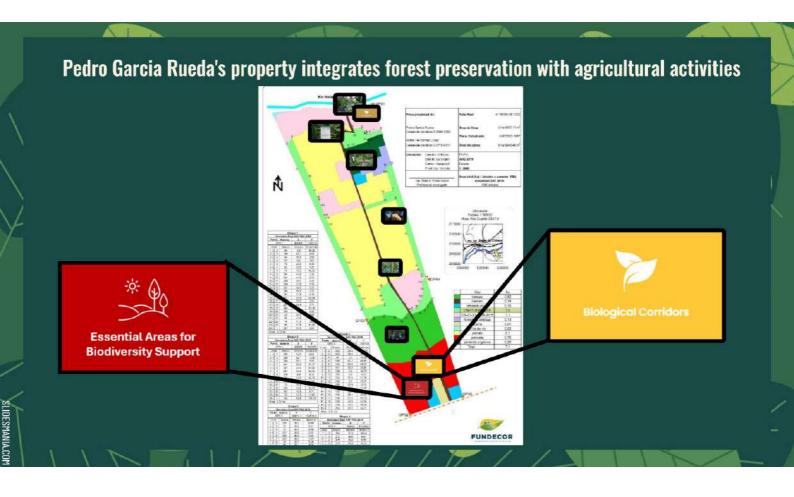
David Reuland's Finca Oasis consists of regenerated rainforest

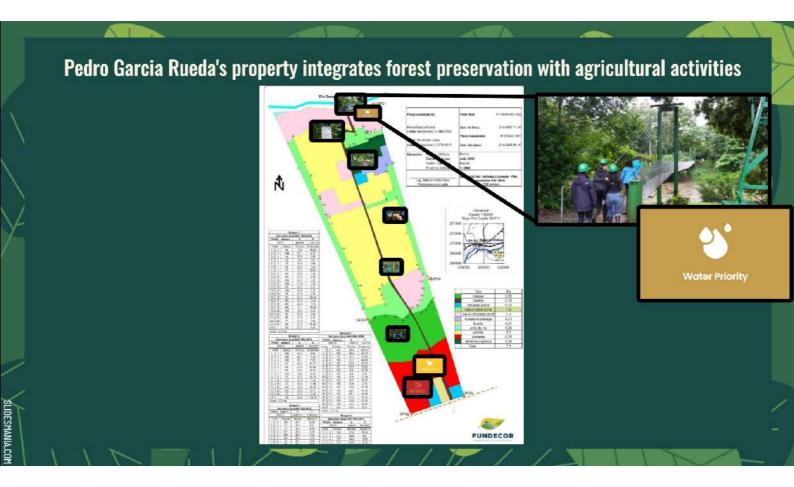










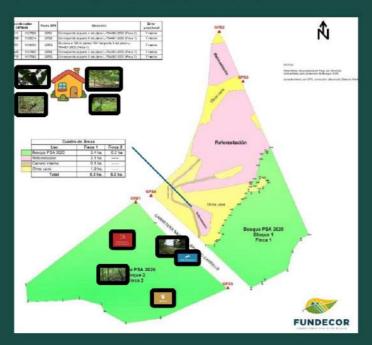


Pedro Garcia Rueda's property integrates forest preservation with agricultural activities





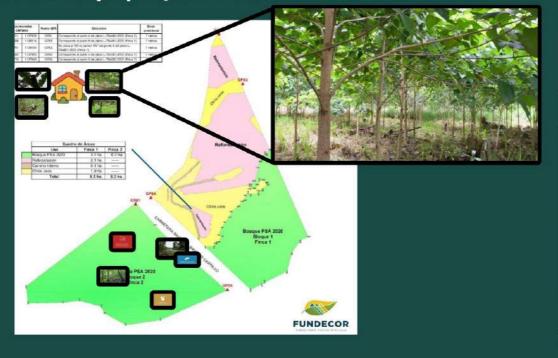
Isaias Arguedas Arce's property is dedicated to forest conservation



Isaias Arguedas Arce's property is dedicated to forest conservation

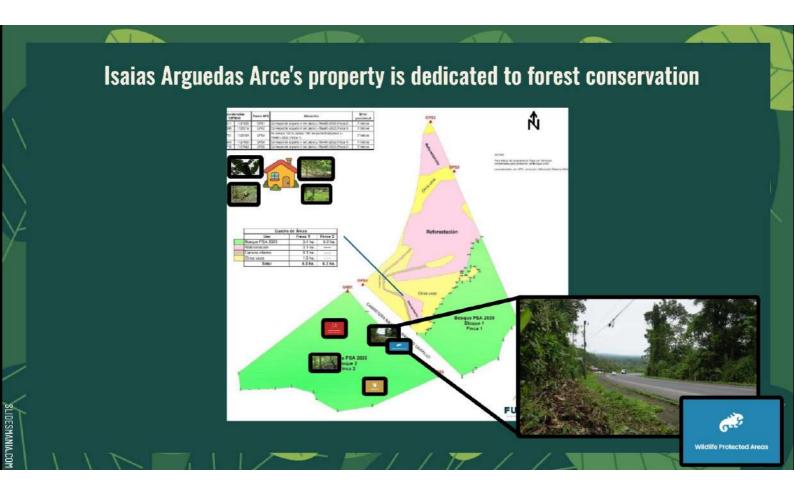


Isaias Arguedas Arce's property is dedicated to forest conservation













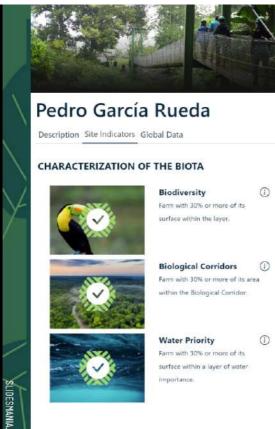
Description Site Indicators Global Data

Description

Area: 5.9h

In the heart of the El Roble region, where the Sarapiqui river weaves its course, Pedro Garcia Rueda is not just a farmer but a steward of nature. The story of Finca Integral Jicaro unfolds like a tapestry, intricately woven with indigenous wisdom and a deep-rooted connection to the land. In 2015, Rueda embarked on a journey with FUNDECOR, birthing a vision that harmonizes the forest and the fields. His 7.1-hectare haven, a bridge across the Sarapiqui, resonates with the pulse of nature. Descendant of indigenous heritage, Rueda's affinity for the forest extends beyond the ordinary - his intimate knowledge of plant life paints a canvas that blends cultivation and conservation. Rows of Porro trees stand sentinel, not just as guardians of the land but as partners in growth. Unlike vanilla vines in commercial landscapes, Rueda's vanilla finds sanctuary, climbing the trunks of Porro trees, shielded from the sun's harsh gaze. Amidst this









Description Site Indicators Global Data

Global Forest Watch

UMD Tree Cover Loss

Tree Cover Gain

Carbon Removal



Tree cover loss

(annual, 30m, global, Hansen/UMD/Google/USGS/NASA)

Source: Hansen/UMD/Google/USGS/NASA, accessed through
Global Forest Watch

Tree cover gain

(12 years, 30m. global, Hansen/UMD/Google/USGS/NASA)
Source: Hansen/UMD/Google/USGS/NASA, accessed through
Global Forest Watch.





Description Site Indicators Global Data

Global Forest Watch

UMD Tree Cover Loss

Tree Cover Gain

Carbon Removal



Tree cover loss

(annual, 30m, global, Hansen/UMD/Google/USGS/NASA)
Source: Hansen/UMD/Google/USGS/NASA, accessed through
Global Forest Watch

Tree cover gain

(12 years, 30m, global, Hansen/UMD/Google/USGS/NASA) Source: Hansen/UMD/Google/USGS/NASA, accessed through Global Forest Watch.





Description Site Indicators Global Data

Global Forest Watch

UMD Tree Cover Loss

Tree Cover Gain

Carbon Removal

Tree cover loss

(annual, 30m, global, Hansen/UMD/Google/USGS/NASA)
Source: Hansen/UMD/Google/USGS/NASA, accessed through
Global Forest Watch

Tree cover gain

(12 years, 30m, global, Hansen/UMD/Google/USGS/NASA)
Source: Hansen/UMD/Google/USGS/NASA, accessed through
Global Forest Watch.





Description Site Indicators Global Data

Global Forest Watch

UMD Tree Cover Loss

Tree Cover Gain

Carbon Removal

Tree cover los

(annual, 30m, global, Hansen/UMD/Google/USGS/NASA)
Source: Hansen/UMD/Google/USGS/NASA, accessed through
Global Forest Watch

Tree cover gain

(12 years, 30m, global, Hansen/UMD/Google/USGS/NASA) Source: Hansen/UMD/Google/USGS/NASA, accessed through Global Forest Watch.



We recommend that FUNDECOR...



Continue
adding
farm profiles
to the
BIOTA website



Expand
the storytelling
toolkit to include
videos and
social media
campaigns



Establish mechanisms for receiving feedback



Monitor
the impact
of the
profiles
over time



Randy Herrera

- Isaias Arguedas Arce