Alaap

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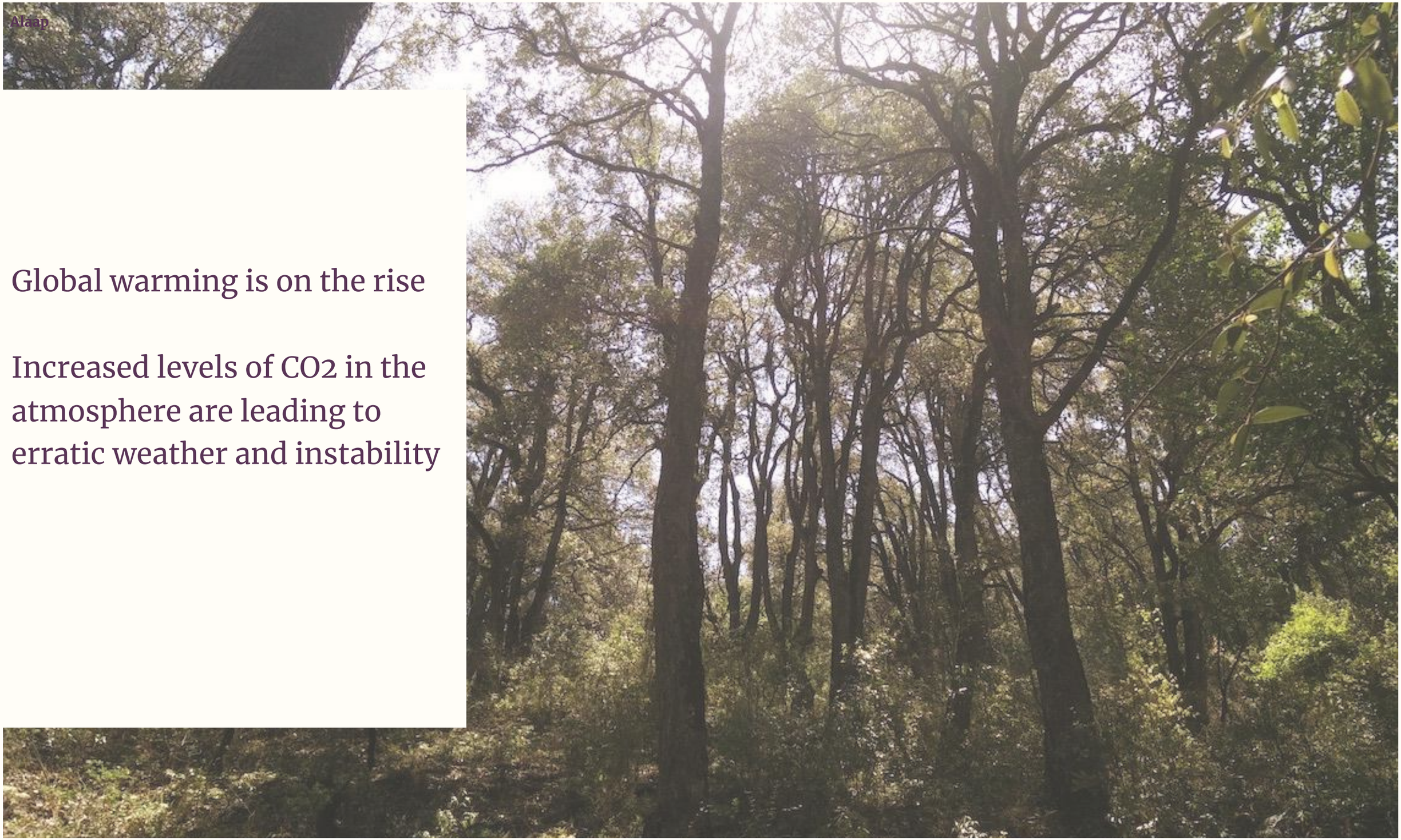
Restoring Nature to
reverse Climate Change

Global warming is on the rise

Increased levels of CO2 in the atmosphere are leading to erratic weather and instability

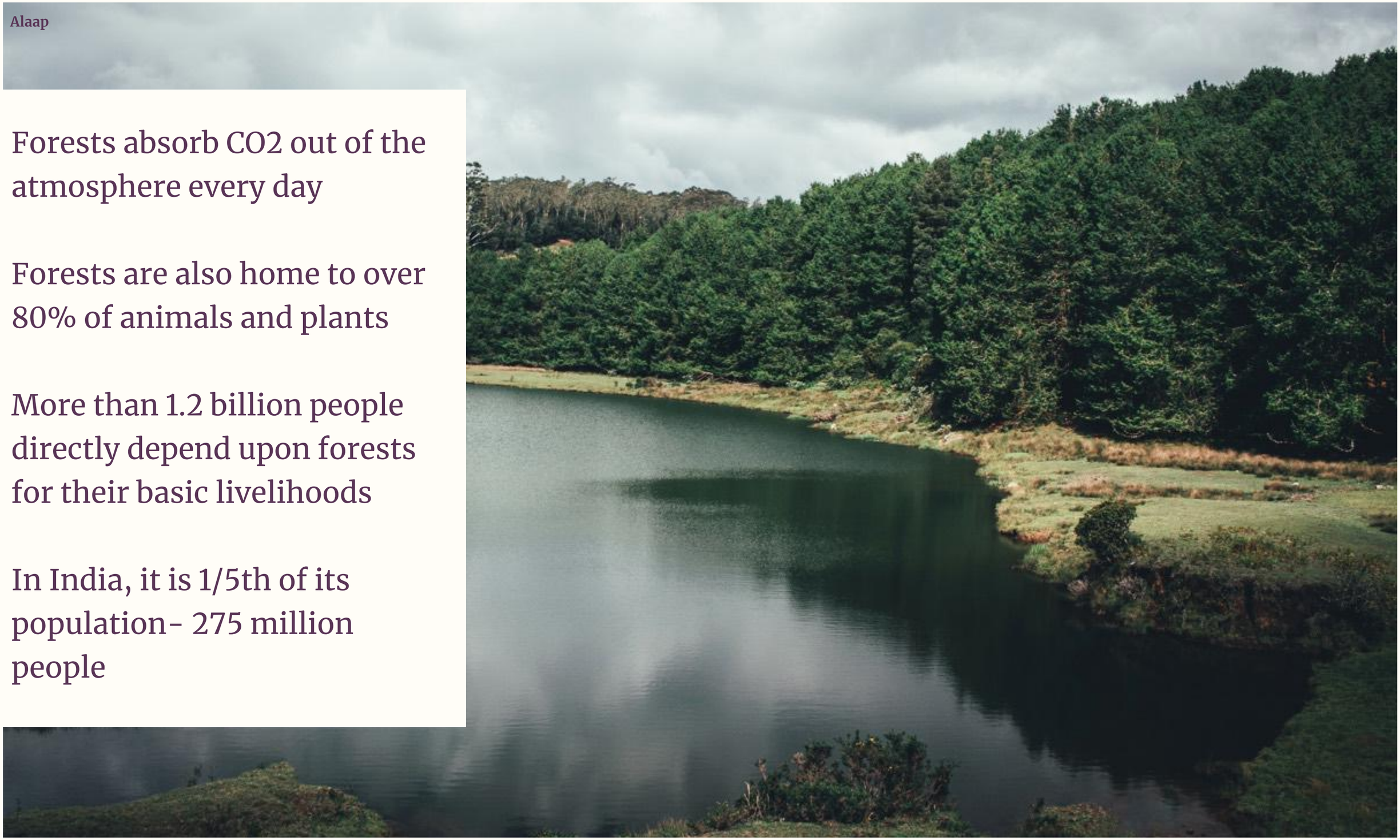


Forests absorb CO2 out of the atmosphere every day

Forests are also home to over 80% of animals and plants

More than 1.2 billion people directly depend upon forests for their basic livelihoods

In India, it is 1/5th of its population- 275 million people



Alaap’s mission is to restore nature to reverse climate change

Our goal is to ensure both forests and people can grow together and not at the cost of each other

Our Interventions

Reforestation

Large Scale Native forest

Backyard fuel, fodder & food forests

School food forests

Carbon Financing

Carbon Offset based income

Cash income for Forest Creation

Long term income from carbon sequestration

We invest in communities by helping them reforest their barren/degraded lands with native trees and help them to sell carbon credits from these forests to individuals and companies who wish to offset their carbon footprint

Our impact : 2017 to 2019 - 2 years

20,000+
saplings planted

100+
rural employment opportunities

76+
native species

90%+
survival rate

USD 10,000
injected in rural economy

We are currently working with communities in India- the state of Uttarakhand in Himalayas and Karnataka in south of India

Reforestation: The method

10× growth

100× biodiverse

30× CO_2 absorption

higher water retention

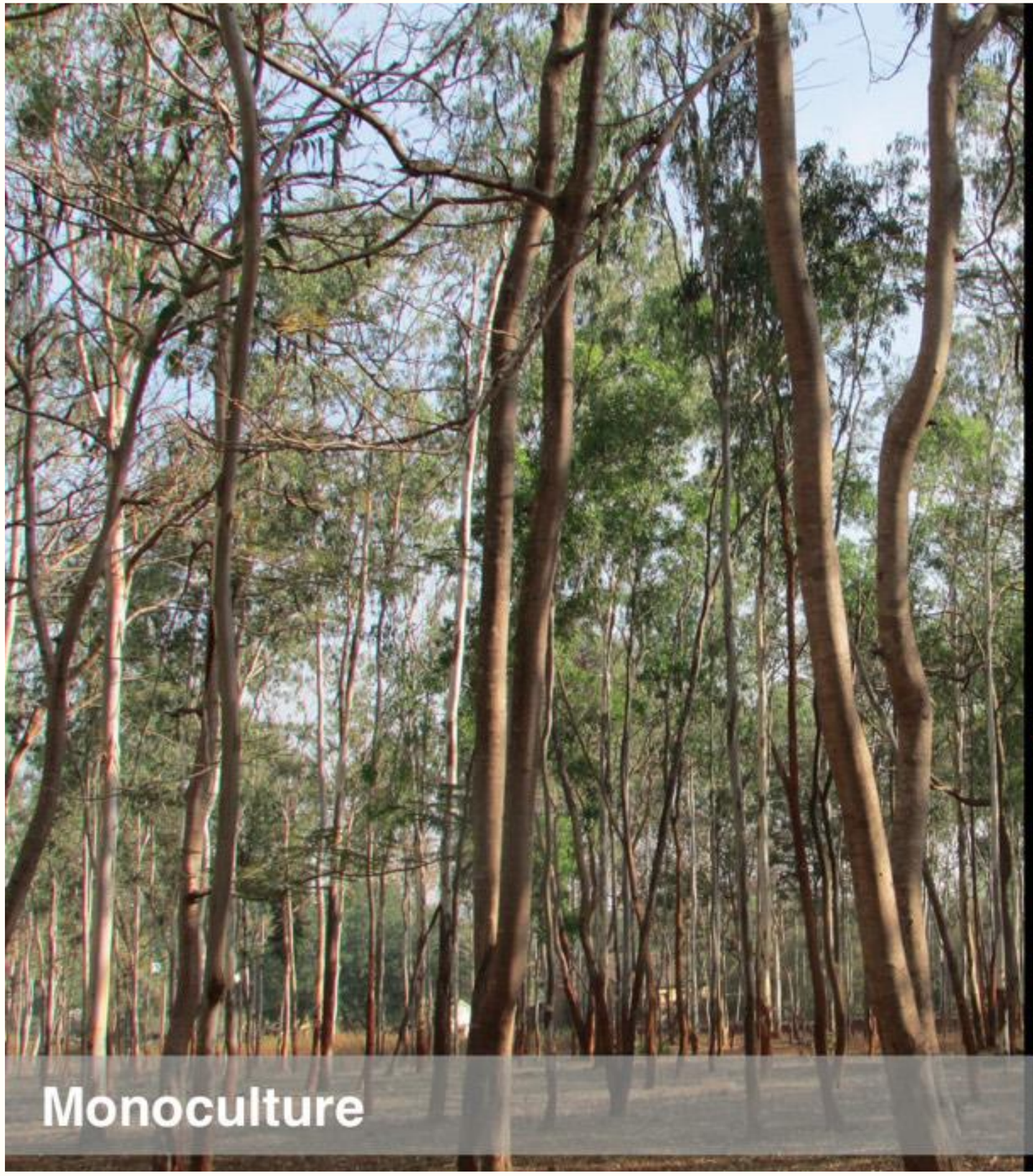
higher fruit yield

Compared to monocultured plantation

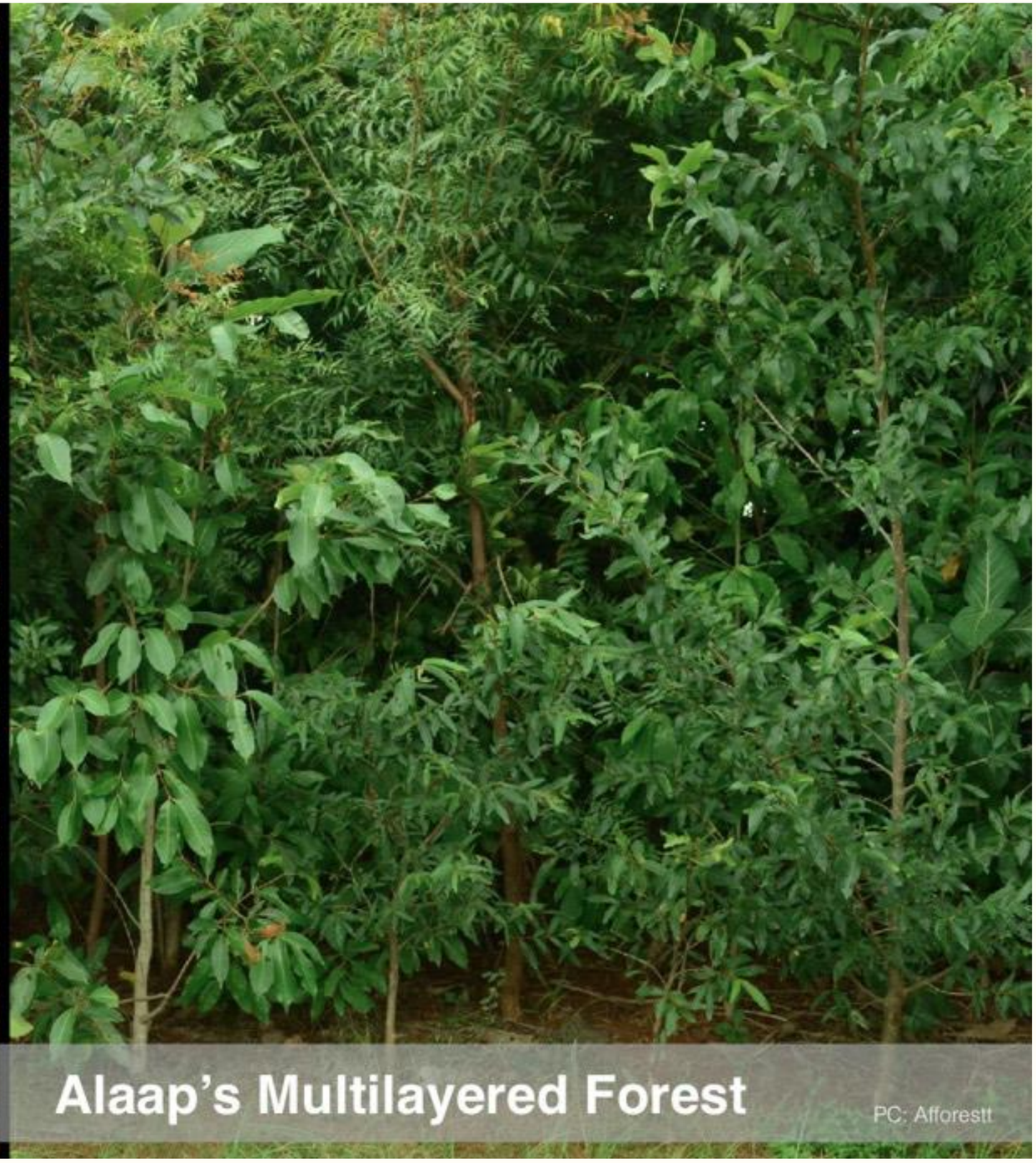
Dr Miyawaki’s work in Yokohoma University, Japan

Alaap proof of concept : 2017-18-19

Champawat Biodiversity Park : 2018-19



Monoculture



Alaap's Multilayered Forest

PC: Afforestt


30x
dense
10x
growth
100x
bio-diverse
100%
natural
Monoculture
Alaap's Multilayered Forest
PC: Afforestt


Canopy layer
Tree layer
Sub-tree layer
Shrub layer

Planting with Community

Village Kanda, Uttarakhand

Village Ammanghatta, Karnataka

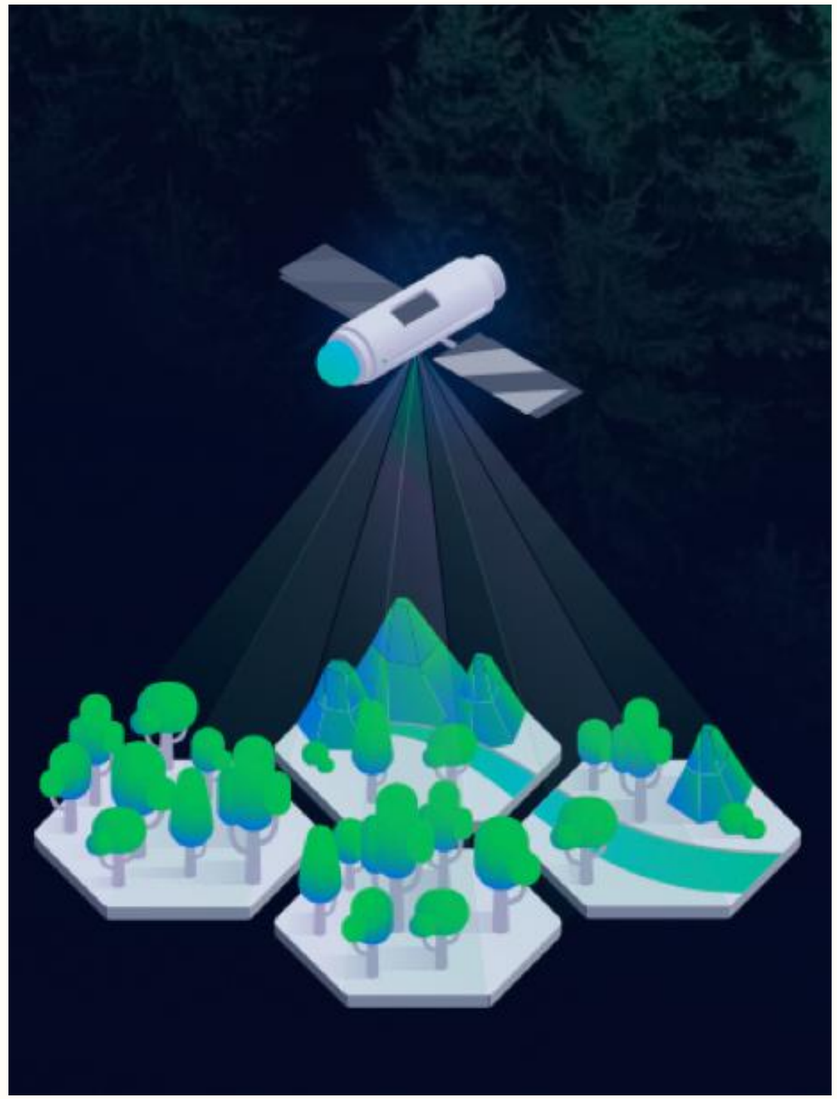
Carbon Financing

We are now doing pilot experiments to measure the carbon potential of our planted forests.

Satellite Imaging

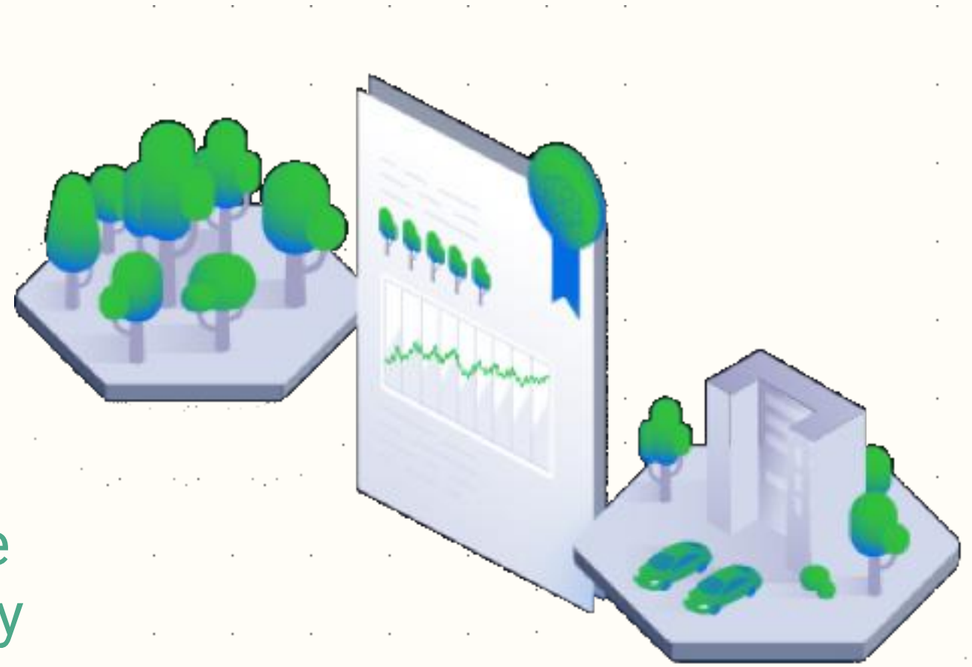
We develop machine learning algorithms that analyze satellite images of forests to provide accurate estimations of carbon storage.

Thus we leverage technology for more accurate carbon measurement methodology.



Open Transparent Platform for Buyers

We give buyer the access to a monitoring dashboard to gain visibility on the progress of the projects ensuring accountability and transparency through an open platform.



Watch out for this space!

Thank you

“The one who plants trees, knowing that he will never sit in their shade, has at least started to understand the meaning of life.”

Rabindranath Tagore