osapiens
x
TUM.ai
ForestVision
AI Guardians of Earth's Lungs
Protecting, Predicting, and Preserving

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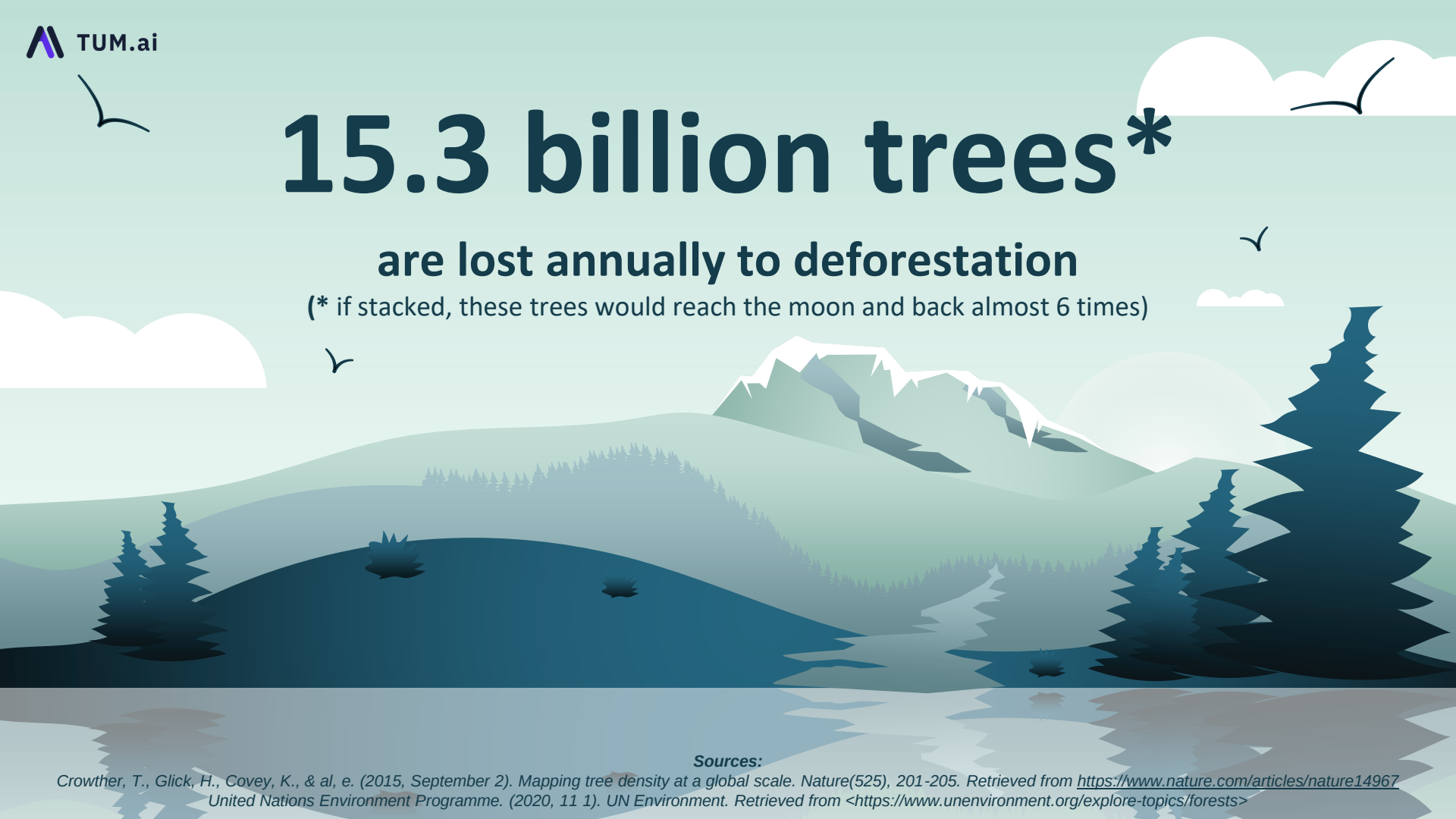
15.3 billion trees*

are lost annually to deforestation

(* if stacked, these trees would reach the moon and back almost 6 times)



Sources:

Crowther, T., Glick, H., Covey, K., & al, e. (2015, September 2). Mapping tree density at a global scale. Nature(525), 201-205. Retrieved from https://www.nature.com/articles/nature14967

United Nations Environment Programme. (2020, 11 1). UN Environment. Retrieved from <https://www.unenvironment.org/explore-topics/forests>

Negative Impact of Deforestation

13.3%

of its Amazon forests lost in **South America**
(between 1990 and 2020)

14.29%

of its jungle forests lost in **Africa**
(between 1990 and 2020)

Source: *Visual Capitalist <https://www.visualcapitalist.com/mapped-30-years-of-deforestation-and-forest-growth-by-country/>*

Current Problems

Compliance issues

Businesses struggle to comply with supply chain regulations

„Shady Certificates“

Many illegitimate CO2 certificates NOT actually making up carbon emissions

No on-site verification

Remote locations are difficult to access in person

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What we do

We are leveraging machine learning to **detect deforestation**, helping NGOs to **verify real-world forest changes**.

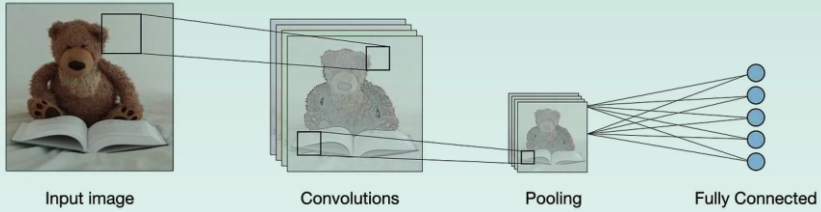
Live Demo

CROSS-PLATFORM SUPPORT

Works on your device!

Scan the QR code to try ForestVision

Product Demo



Background:

Build a basic ML model
(forest ⟷ no forest)

78% Accuracy*
(*for correct output results out of 5)

Scan the QR code to try ForestVision

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Forest Detection Example

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Positive Impact for Everyone

Government

Streamlined compliance checks with businesses regarding latest regulations
(e.g. EUDR, CSDDD, LkSG, NTA, VSoTr)

Non-profits

Such as WWF can use ForestVision to verify reforestation efforts

Business

Easy and reliable access to legitimate CO_2 certificates

Planet Earth

Securing sustainable reforestation projects

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€881 billion

total global carbon market size

3.5 to 7 billion trees

of trees that can be planted yearly

several developing countries with high rates of deforestation

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Our Tech Stack

Flutter

Dart

python

HTML CSS JS

aws

GLOBAL FOREST WATCH DATA API

osapiens

TensorFlow

Google Maps

EuroSAT

Our Scientific Research Tools

consensus

perplexity

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The Team Behind ForestVision

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IONITY

TECHNISCHE UNIVERSITÄT DARMSTADT

accenture

ELARA AEROSPACE

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Let‘s stop deforestation together…

… so you will never be mad at big corporations again.

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Connect with Us on LinkedIn

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Thank you!
Please vote for us. Thanks!

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