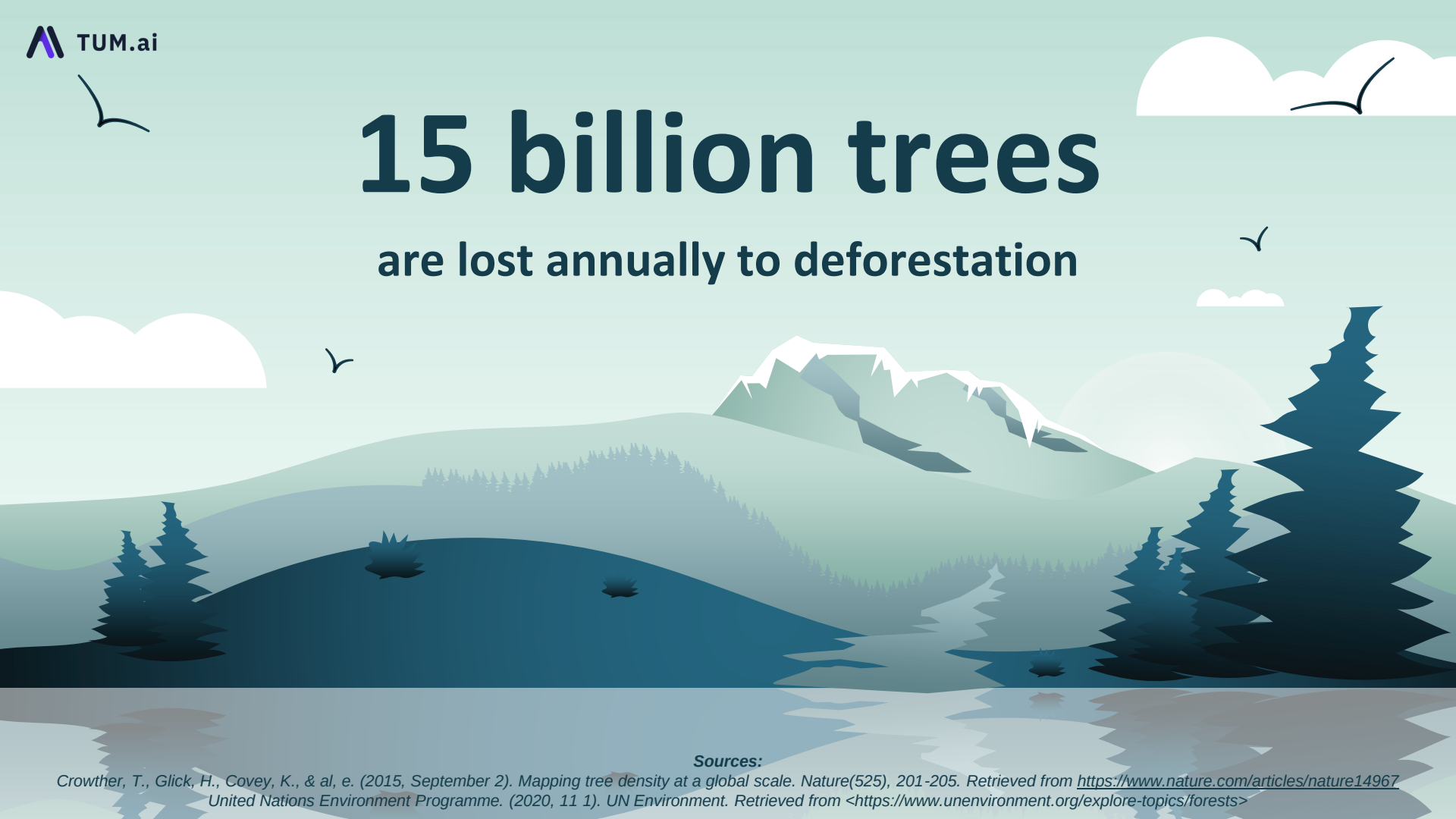

osapiens
x
TUM.ai
ForestVision
AI Guardians of Earth's Lungs
Protecting, Predicting, and Preserving

TUM.ai

15 billion trees

are lost annually to deforestation



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>

Current Problems

Compliance issues

Businesses struggle to comply with supply chain regulations

Detection issues

Hard to detect and prevent potential deforestation events

No on-site verification

Remote locations are difficult to access in person

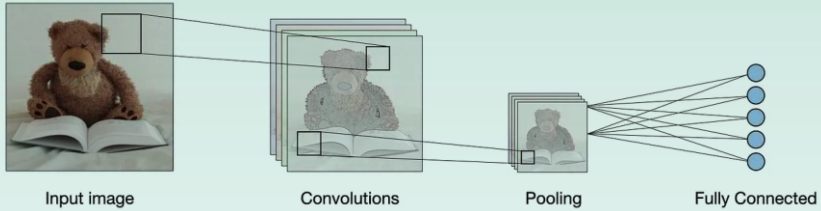
Product Demo

Scan the QR code
to try ForestVision

CROSS-PLATFORM SUPPORT

Works on your device!

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

ForestVision

Forest Detection Example

TUM.ai

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

The things we need to change in the future

„Shady Certificates“

Many illegitimate CO2 certificates NOT actually making up carbon emissions

TUM.ai

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

TUM.ai

around €800 billion

total global carbon market size

3 to 7 billion trees

of trees that can be planted yearly

several developing countries with high rates of deforestation

TUM.ai

The Team Behind ForestVision

Marc Dietmann

aka „ML Wizard“

Information Systems
TU Darmstadt

Damian Heil

aka „Revenue Kingpin“

Information Systems
TU Darmstadt

Julian Jungnitz

aka „Flutter Vogel“

Information Systems
TU Darmstadt

Suriyaa Rocky Sundararuban

aka „Deck Dominator“

Management & Technology
TU München

Capgemini

networker solutions GmbH

Dahlia Robotics

IONITY

TECHNISCHE UNIVERSITÄT DARMSTADT

accenture

ELARA AEROSPACE

TUM.ai

Let‘s stop deforestation together…

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

TUM.ai

Connect with Us on LinkedIn

Marc Dietmann

Information Systems
TU Darmstadt

Damian Heil

Information Systems
TU Darmstadt

Julian Jungnitz

Information Systems
TU Darmstadt

Suriyaa Rocky Sundararuban

Management & Technology
TU München


osapiens
x
TUM.ai
Thank you!
Please vote for us. Thanks!


TUM.ai