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# Deeplai at the forefront of climate change technology. Forest sustainability is defined by timber traceability.

Deeplai's **TimberID** – Timber Identification technology is solving the digitalization of forest management and reporting in terms of harvested timber database creation for **carbon footprint monitoring** securing the provenance authentication proof. Big Data drive the change and deliver key benefits allowing for single timber log data record sourcing for **certification, sealed chain of custody, traceability, sustainable forest resource management** and more.

**TimberID** – Timber Identification is a ground-breaking DeepTech solution combining AI/ML image processing, analysis and recognition with a proprietary unique variable code marking technology delivering ~100% accuracy in harvested timber provenance authentication and traceability - all in a single platform. The DecodeR applicator is indenting a hammer code mark on the timber ring, after setting a unique variable code generated at the forest by using the satellite data. The geo-localization view of all sourced timber logs data on a map, an expected next step for integrations with solutions delivering inventory data of standing trees. The dedicated mobile app delivers the image sourcing and verification processing automation, additionally allowing for log inventory data collection and calculation.



We are looking for all kinds of support from organizations that want to be seen as leaders in climate, environmental, social and governance. It must be emphasised, that adoption of climate tech solutions is delivering both value for our planet, ecosystems and humanity and commercial returns.

### Strong traceability & transparency obligations required by EU Deforestation Regulation.

The regulation sets out an obligation on Operators to obtain geo-localisation coordinates (latitude and longitude of all plots of land) from where the commodities or products were produced or harvested in the case of wood-products - as well as the date or time range of production.

**TimberID solution launch at LIGNA fair, Hannover, May 15th, 2023.**

## TimberID Flow Diagram

