

#EUSpace 

EU SPACE WEEK 2023

7 - 9 November - Sevilla, Spain

BEETLE FORTECH

Forestry UCP

Sebastian Vogler



Navigating EUDR Compliance

EU
SPACE
WEEK
2023

CHALLENGES



Mandatory geolocation of origin farmlands



Evidence of deforestation-free products

IMPACTS

Total EU Imports

Coffee *



Tropical timber **



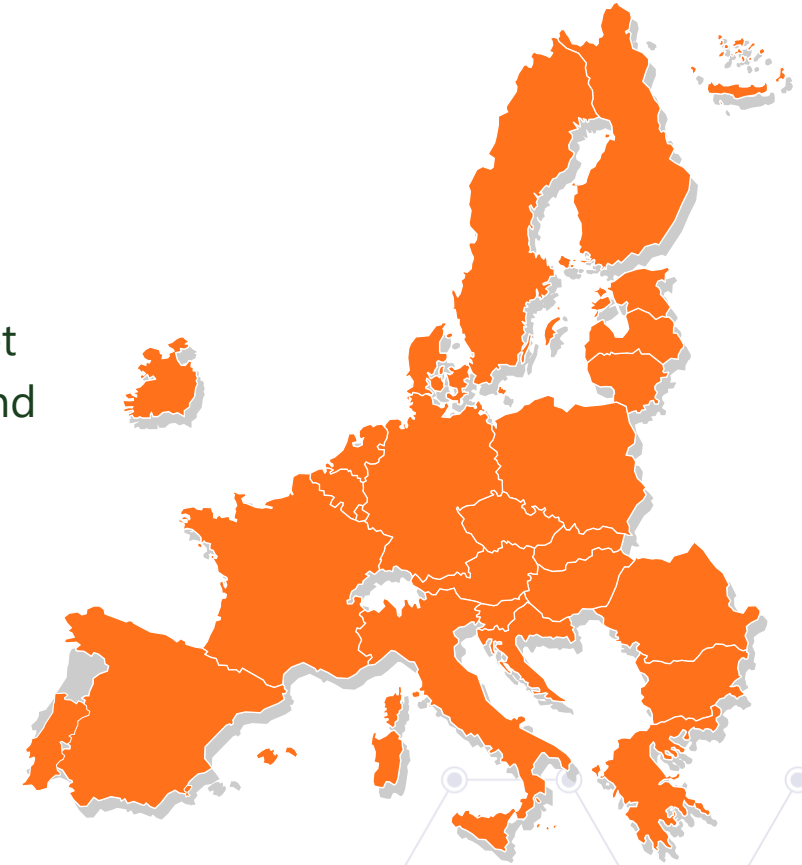
Both EU importers and EU exporters are subject to EUDR. Non-SME traders are required to meet the same obligations as EU importers.

* Source: worldstopexports 2018

** Source: IDH-The Sustainable Trade Initiative 2019

RISKS

Non-compliance risks include market access denial, legal repercussions, and reputational damage.



Beetle ForTech

#EUSpace 

Comprehensive Tracing for Timber

Our patented log tagging technology ensures transparency and accountability throughout the entire supply chain.

EU
SPACE
WEEK
2023



GALILEO GEOLOCATION & TIMESTAMP

- Applicable for each harvest
- Irrevocable record of origin



LOG-SPECIFIC DATA

- Measured during harvesting
- Readable at initial processing



THE EU MARKET

Traceability at source: Your passport to premium markets







Sentinel vs. High-Resolution Satellite Data



EU
SPACE
WEEK
2023

SENTINEL-1 & SENTINEL-2




PROS

-  All-weather capability (especially S-1)
-  High temporal resolution (5-6 days revisit)
-  Global coverage & archive data
-  Detects forest disturbances & health

COMMERCIAL SATELLITE DATA

-  Extremely detailed imagery
-  Accurate land cover classification

CONS

-  Lower spatial resolution (10 m)
-  Limited by cloud cover (S-2)
-  SAR data lacks vegetation specifics (S-1)

-  Requires multiple images for large areas
-  Longer revisit times
-  Obstructed by cloud cover

Satellite Data: Enhancing Timber and Forestry Industries



EU
SPACE
WEEK
2023

Forest Health

Monitor disturbances & assess forest health

Detailed Analysis

Identify specific tree species & track deforestation patterns

Plantation Monitoring

Precise mapping of plantation boundaries and health assessment

Consistent Monitoring

Even in cloudy regions, Sentinel-1 provides valuable insights

#EUSpace 

Our Team

WINNER OF



ADVISED BY



THÜNEN



FUNDED & SUPPORTED BY




 Bundesministerium Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie



business incubation centre
Austria





EU
SPACE
WEEK

2023

www.euspaceweek.eu | #EUSW

