



Contribution of SINTETIC project to illegal logging control

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KCEO Earth Observation for
Compliance Assurance 2024



Funded by
the European Union

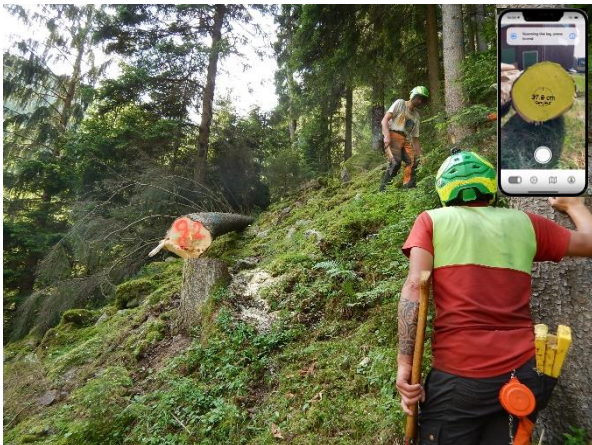


Digital ground data for satellite detection

- 1) train NDVI index interpretation
- 2) filtering legal operations

- Interaction of ground and satellite data
- Traceability of operations and timber products
- Automatic discrimination of legal operations

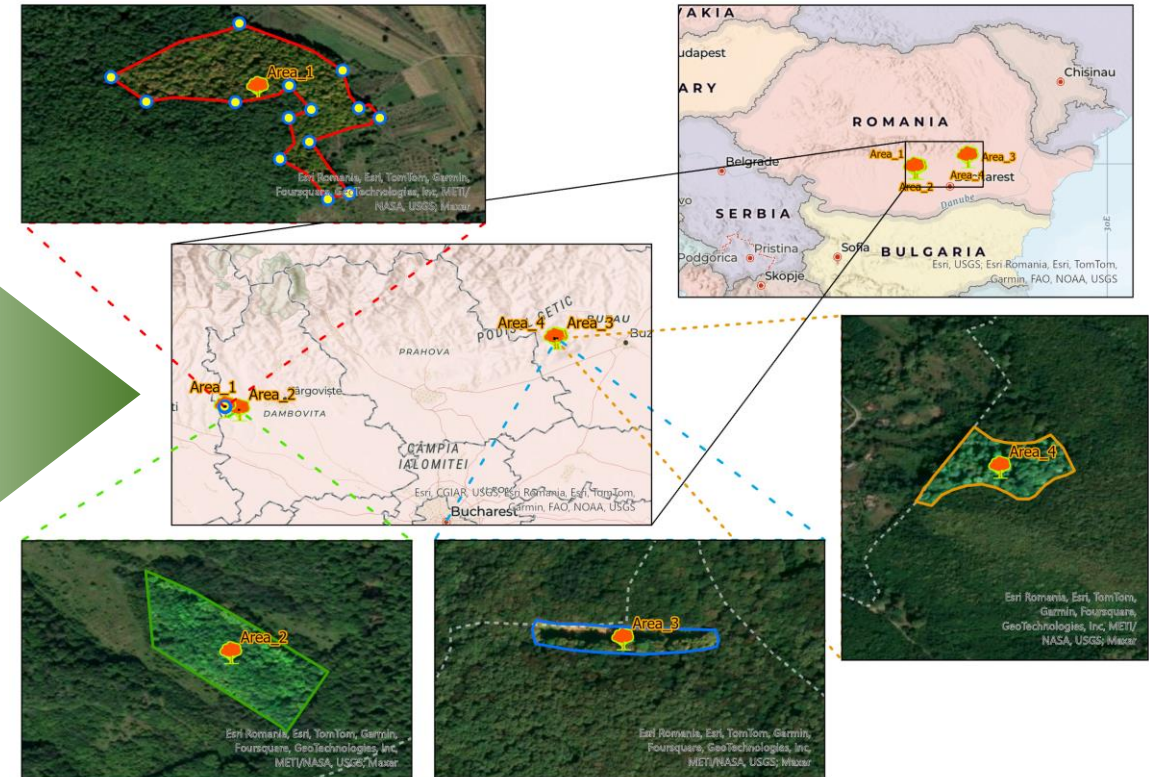
Fully mechanized



Manual system

StanForD 2010:

- Diameter of tree
- GNSS position
- Timestamp
- # of logs
- ID of tree/logs
- Other...





SINTETIC project

Timeline

- Project started June 2023 > prototype and geodatabase development
- Task 5.3 Illegal logging detection, just started

Regulations, end-users and stakeholders

- EUDR
- Forest contractors, industry

Challenges and opportunities

- Involvement and acceptance of operators crucial
- Tasks addressing privacy and economic aspects





Sintetic

SINGLE ITEM IDENTIFICATION FOR FOREST
PRODUCTION, PROTECTION AND MANAGEMENT

Thanks!

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<https://sinteticproject.eu/>



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This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101082051