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Corporation



" Geospatial Solutions for Social & Environmental Impact "

Unlocking Business Value in the Conservation Sector



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Founder & Managing Director

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About Us

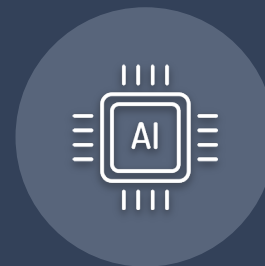
Providing geospatial solutions to unlock, accelerate and scale social and environmental impact for good



Remote Sensing



Geoinformation



Artificial Intelligence



Sectors



Agriculture &
Forestry



Conservation &
Biodiversity



Peace &
Justice



Climate &
Infrastructure

Sectors



**Agriculture &
Forestry**



**Conservation &
Biodiversity**



**Peace &
Justice**



**Climate &
Infrastructure**



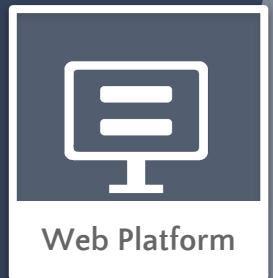
Agroforestry



- Food, Feed, Fuel
- Jobs and Income
- Materials & Medicines
- Soil Protection
- Carbon storage
- Water retention
- Climate Regulation
- Biodiversity Protection
- \$24 billion opportunity

Re-Forest-ER

The integrated Agroforestry & Forest Conservation MRV Platform



Satellite
Archive



Fire
Detection



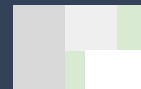
Change
Detection



Carbon
Assessment



Illegal
Logging



Land Use
Classification



Infrastructure
Monitoring



Afforestation
Assessment



Biodiversity



Water
Bodies



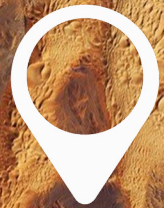
Navigation



Natural
Hazards







Benefits & Challenges

- Increase in **operational effectiveness** and planning
- Ensuring **compliance** and stakeholder **transparency**
- Unlock **new revenue** streams
- Replicability and **scale**
- Access to clients
- Lack of geo expertise
- Integration into existing processes and management practises
- Volatile carbon markets and changing standards

Forest-ER

- Deforestation Detection and Prediction
- Live Alert System
- Weekly Automated Reporting
- In-Situ Validation system
- Capacity Building and community involvement

The screenshot displays the Forest-ER web interface. At the top, there is a 'FILTER' section with 'Status: all' and 'Certainty: all'. Below this is a 'MANAGE' section with a table of alerts:

ID	Detected	Lat	Lon	Certainty	Status
ID: 4	25 Oct 2023	-0.48554	116.70546	Low	Verified
ID: 25	25 Oct 2023	-0.48554	116.70822	Low	Verified

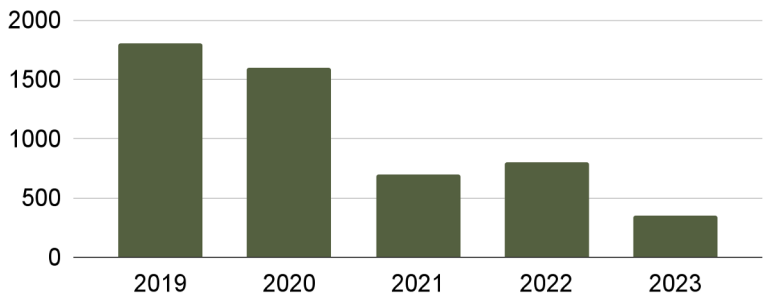
Below the table is an 'Image Verification' form with fields for 'Camera type', 'Taken on', 'Taken by', and 'Upload new media'. There is also a 'View existing media' link and a 'Submit' button.

At the bottom, there is a 'LAYERS' section with a checkbox for 'Deforestation Predictions'.

The background of the screenshot shows a map with several colored markers (green, orange, blue) indicating deforestation alerts. A legend on the right side of the map shows three categories: 'Future Deforestation Risk - High' (purple), 'Future Deforestation Risk - Medium' (blue), and 'Future Deforestation Risk - Low' (light blue).

Forest-ER

Deforestation evolution in ITCI Arsari area (in ha)



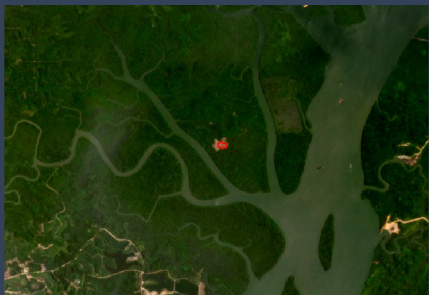
- Surveillance of >350.000 hectares since 2021
- 1000+ alerts per year (10x more than alternatives)
- >90% accuracy in detections
- ~60% deforestation drop due to early warning
- 80% in time and 90% in cost savings
- Enhanced understanding of fire risk and illegal activities for better planning and management



Project in
collaboration with
Willie Smits



Forest-ER in action





Learnings

- Useful ≠ Valuable
- Valuable for few ≠ valuable for many
- Show, don't tell
- Local champions within a multi-stakeholder environment
- Patience
- GWF community

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 **Reach Us**

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