SKYLAB

FAST
PRECISE
COMPREHENSIVE

HEALTH & CHANGE FOREST MONITORING

#forestAi

KNOW 100% OF YOUR FOREST.



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TIME SERIES IS KEY

Pixel by pixel comparison of change in vitality or canopy cover over large areas.

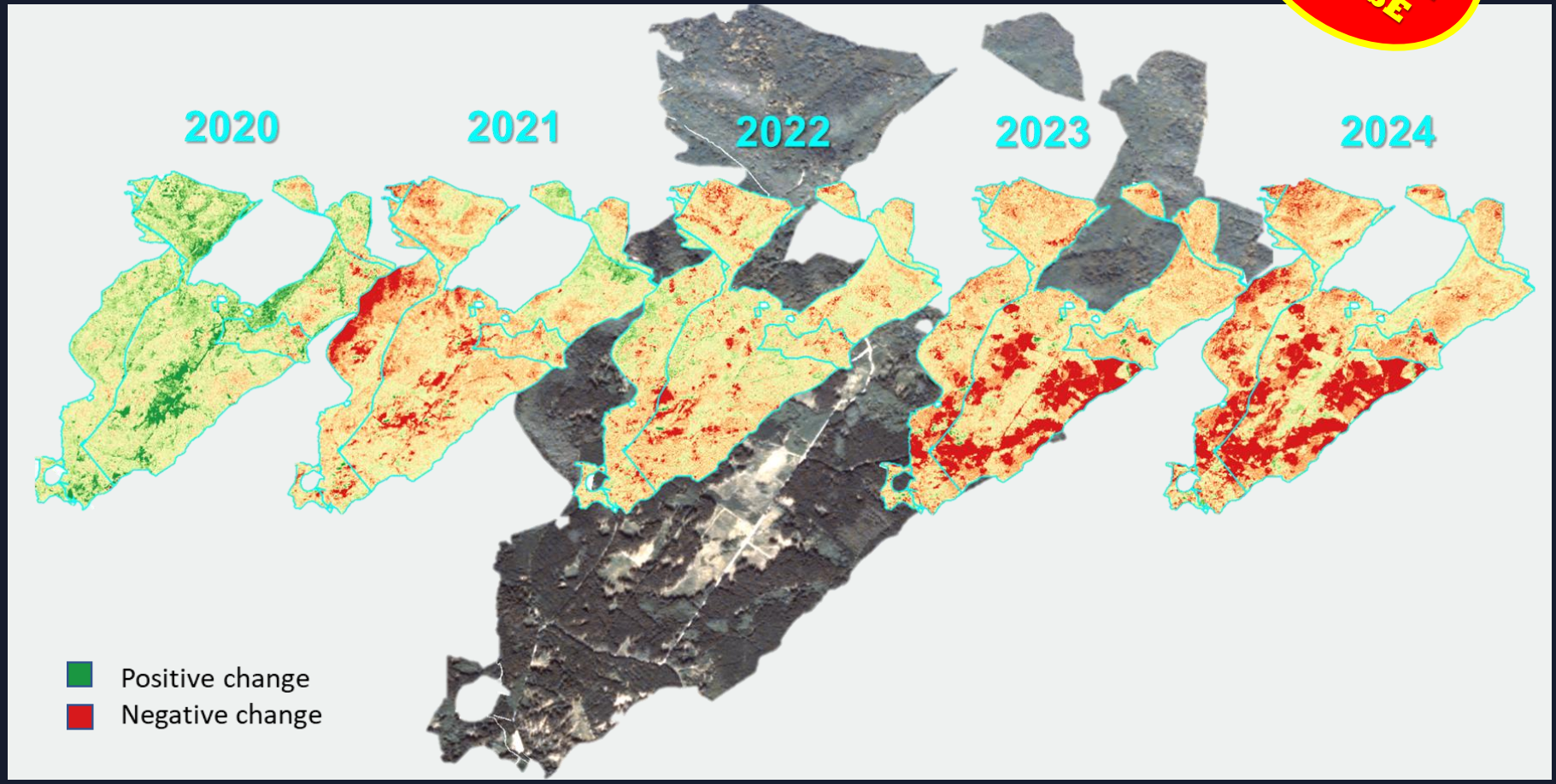
LOW COST
EFFICIENT
PRECISE

Key points:

- Efficient over large areas
- Low-cost archive data
- Before/after comparison
- Detailed change maps
- Quantifiable in %, acres or hectares
- Quick turnaround
- One-off or regular intervals: e.g. yearly or quarterly

USE CASES

- Health check
- Harvesting progress
- Storm or fire damage
- Illegal logging
- Optimised spraying
- …many more…



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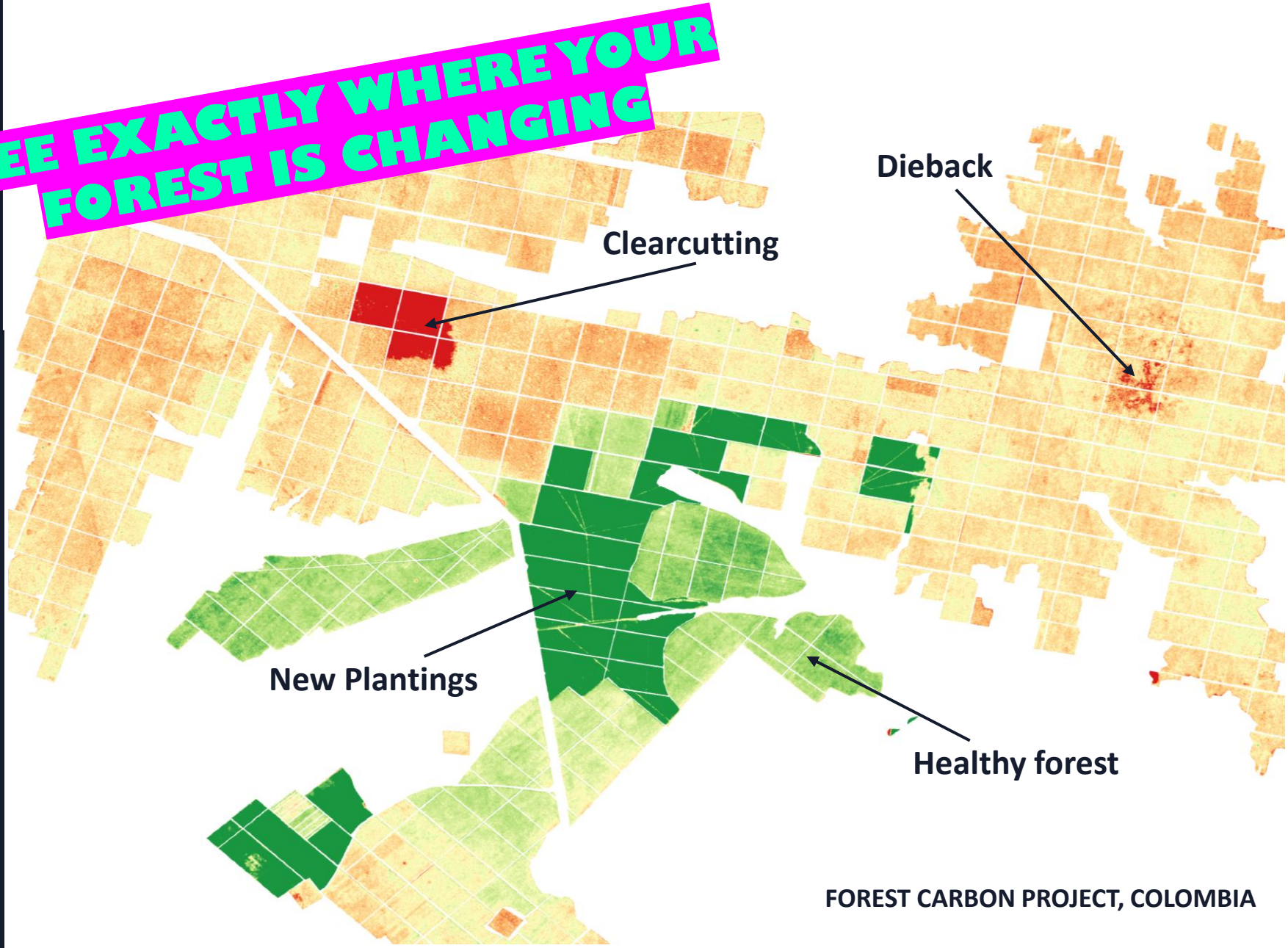
FOREST HEALTH

Keeping a constant eye on your forest

Changing climate means ever greater risk of drought and disease

- **Find health and change hotspots**
- **Fast and targeted response**
- **Minimize damage**
- **Reduce costs by up to 80%**

FACTSHEET
ALL forest types
DATA satellites
NO reference data needed

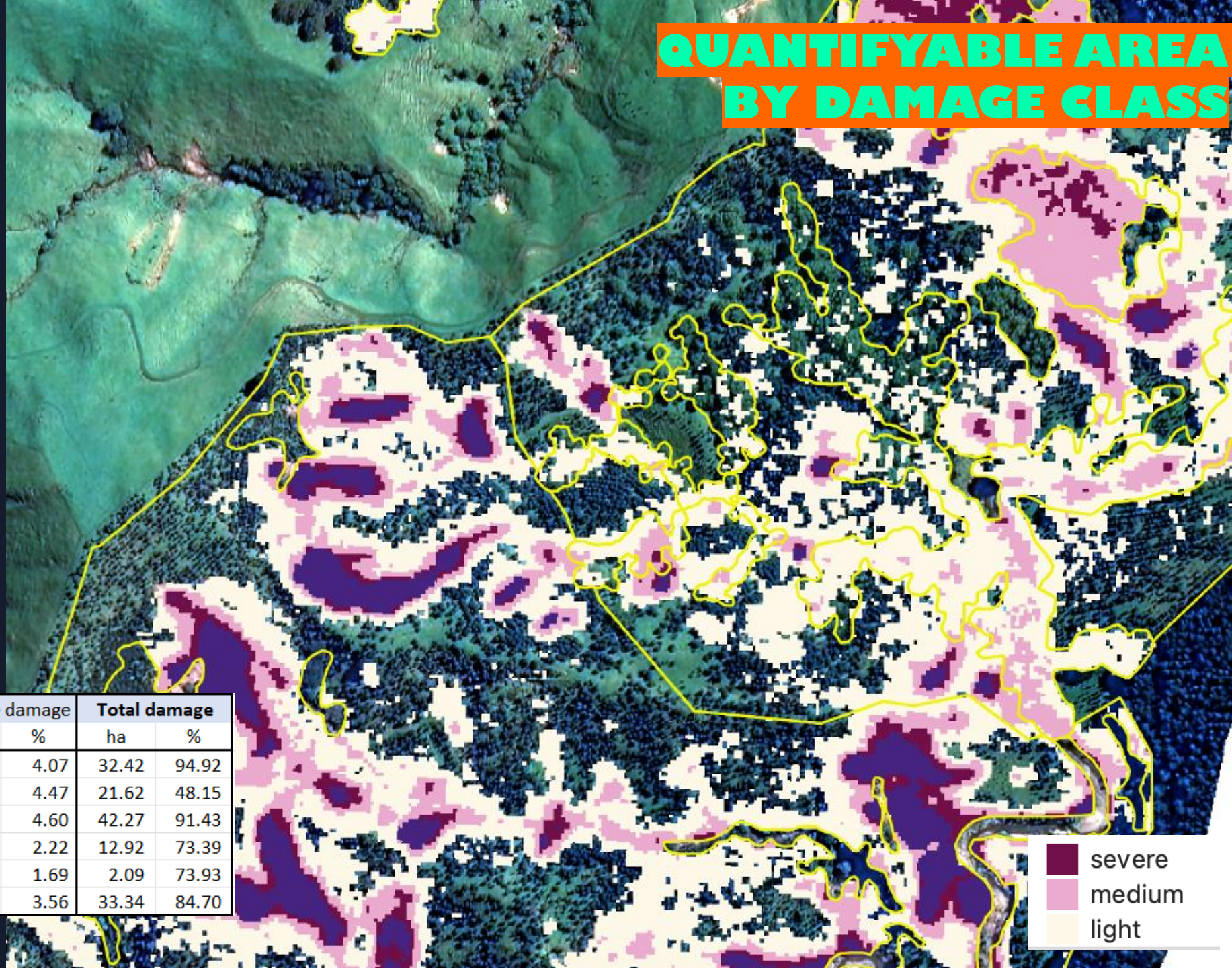


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STORM DAMAGE

Storm damage assessment:

- Identify affected areas
- Classify damage into severe, medium, light or no damage
- Quantify number of ha/ac in each damage class
- Quantify % of tract in each damage class



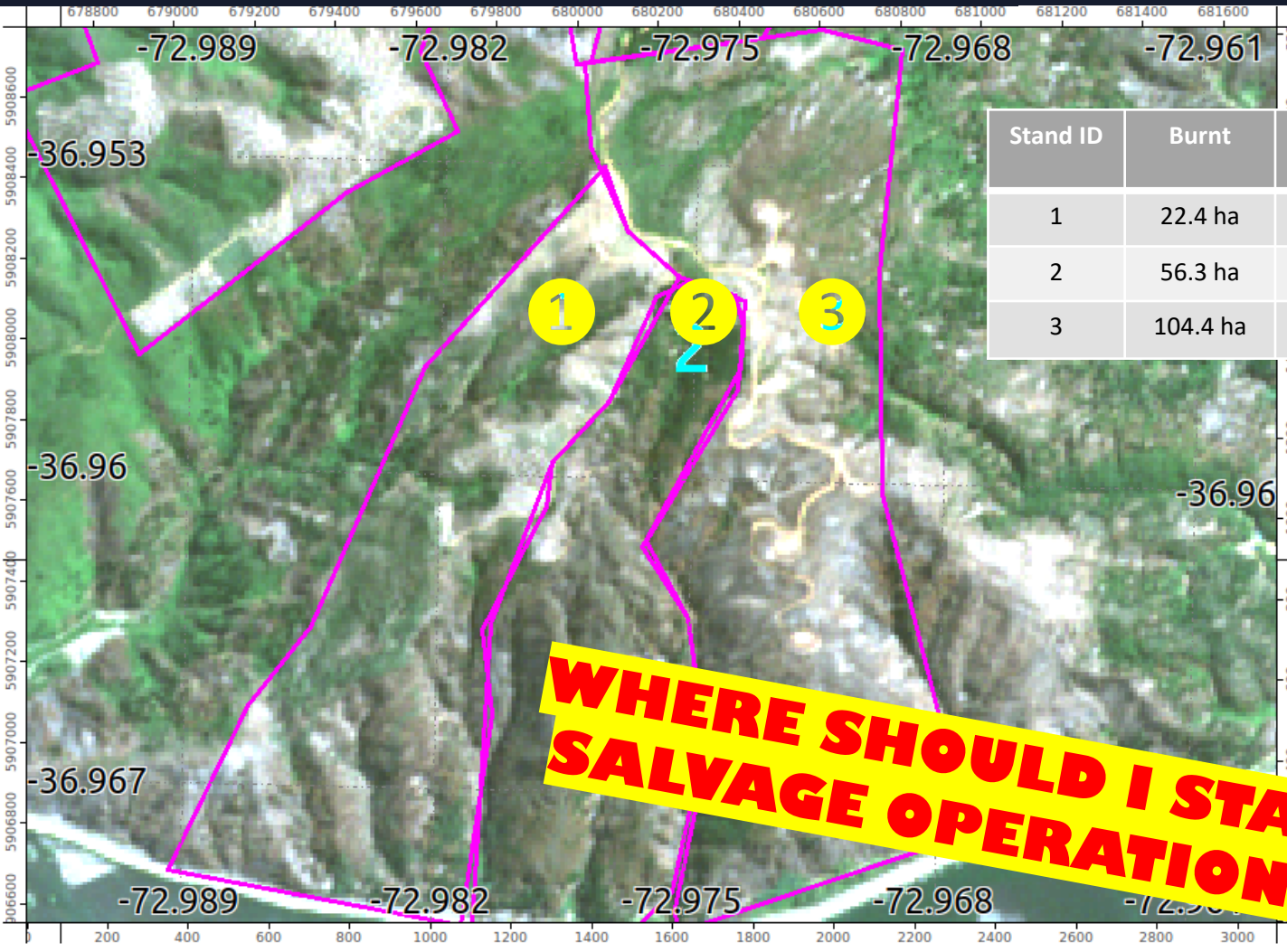
Tract	slight damage		medium damage		severe damage		Total damage	
	ha	%	ha	%	ha	%	ha	%
103	15.63	45.77	15.40	45.08	1.39	4.07	32.42	94.92
118	11.60	25.84	8.01	17.84	2.01	4.47	21.62	48.15
120	20.18	43.64	19.97	43.19	2.13	4.60	42.27	91.43
119	8.95	50.81	3.58	20.36	0.39	2.22	12.92	73.39
104	1.49	52.83	0.55	19.41	0.05	1.69	2.09	73.93
122	20.53	52.15	11.41	28.98	1.40	3.56	33.34	84.70

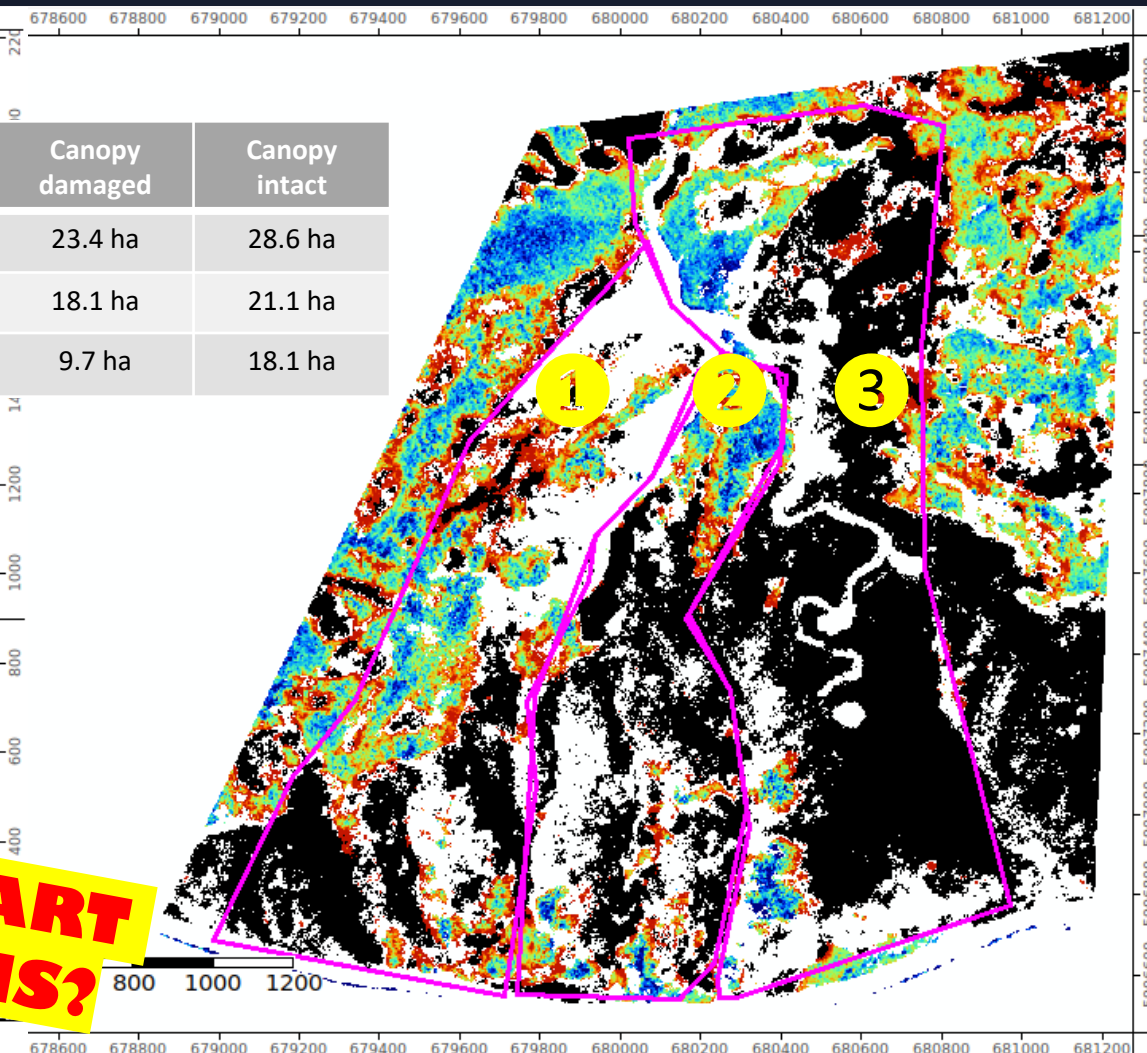
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BURN DAMAGE DIFFERENTIATION – HOW MUCH LIVE CANOPY IS LEFT?

Assessing damaged area and severity of damage in three example compartments. How much canopy is left, how much of it is partially damaged? **Quantify the recoverable merchantable timber for each compartment.**

Stand ID	Burnt	Canopy damaged	Canopy intact
1	22.4 ha	23.4 ha	28.6 ha
2	56.3 ha	18.1 ha	21.1 ha
3	104.4 ha	9.7 ha	18.1 ha



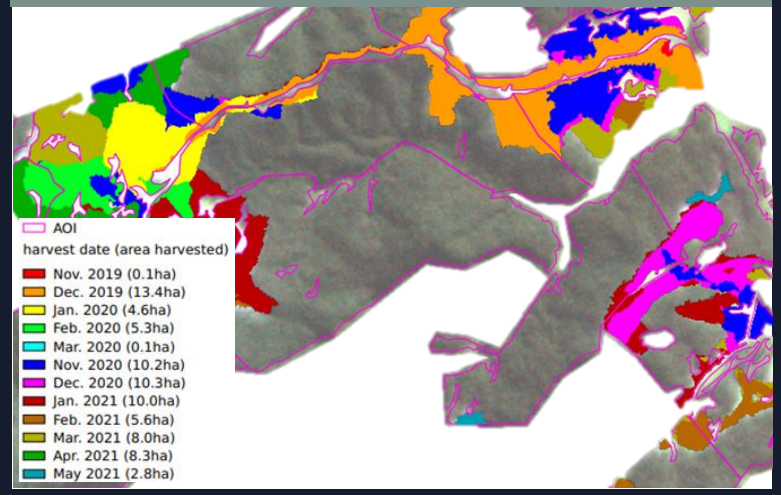


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SOME MORE CUSTOMER EXAMPLES

WHAT'S YOUR CHALLENGE?

HARVEST MONITOR

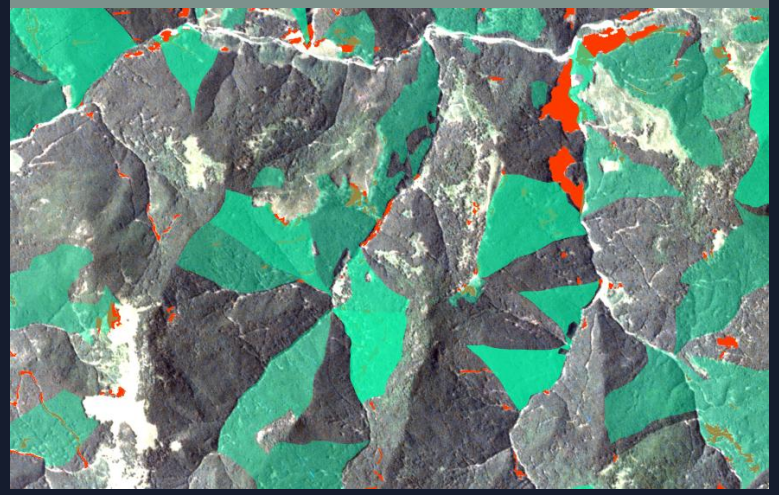


PINE GROWER, NZ

Regular harvest monitoring showing exactly what has been harvested, when and where, in different locations.

Saving days of work with more accurate data instead of walking stand boundaries with hand-held GPS.

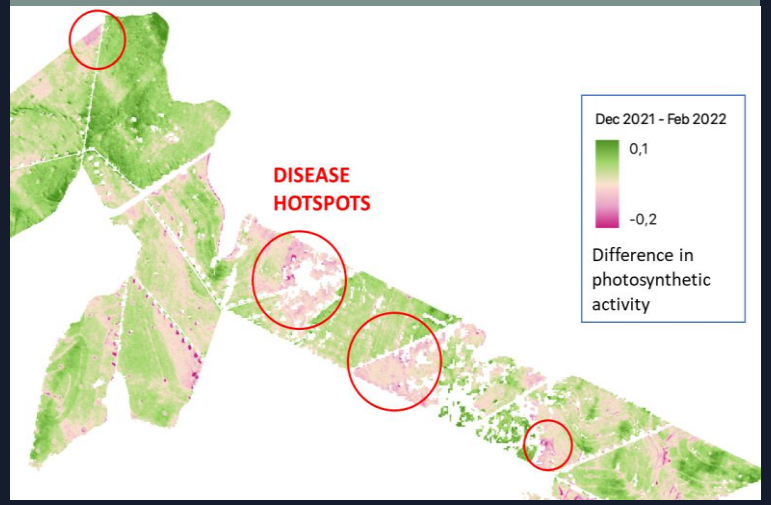
ILLEGAL LOGGING DETECTION



ILLEGAL LOGGING IN ROMANIA, NGO

Finding illegal logging activities in legal concession areas with precision of 0.05ha.

OPTIMISED PESTICIDE APPLICATION



BRAZILIAN EUCALYPTUS GROWER

Reduced chemical application by 80% with targeted spraying of fungal infection hotspots. Saved $20,000, with analysis costing just $1,500 with #forestAi.

CUSTOMER BENEFITS:

- **Regular update on canopy change**
- **Precise measurement of area**
- **Able to act fast and on target**
- **Reduce loss and damage**

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PRESS TO START

1. TELL US YOUR NEEDS & AOI
2. WE‘LL RUN QUICK FEASIBILITY
3. FIXED COST OFFER

_RUN

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