

Bootcamp 2025

SPACE NEEDLE

Precision Agriculture at Field Scale



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€28_B



EU AGRI LOSSES
/ YEAR TODAY



BUSINESS
INCUBATION
CENTRE

€46_B

PROJECTED LOSSES
BY 2050

Source: European Commission and the European Investment Bank (EIB)

80% 20%

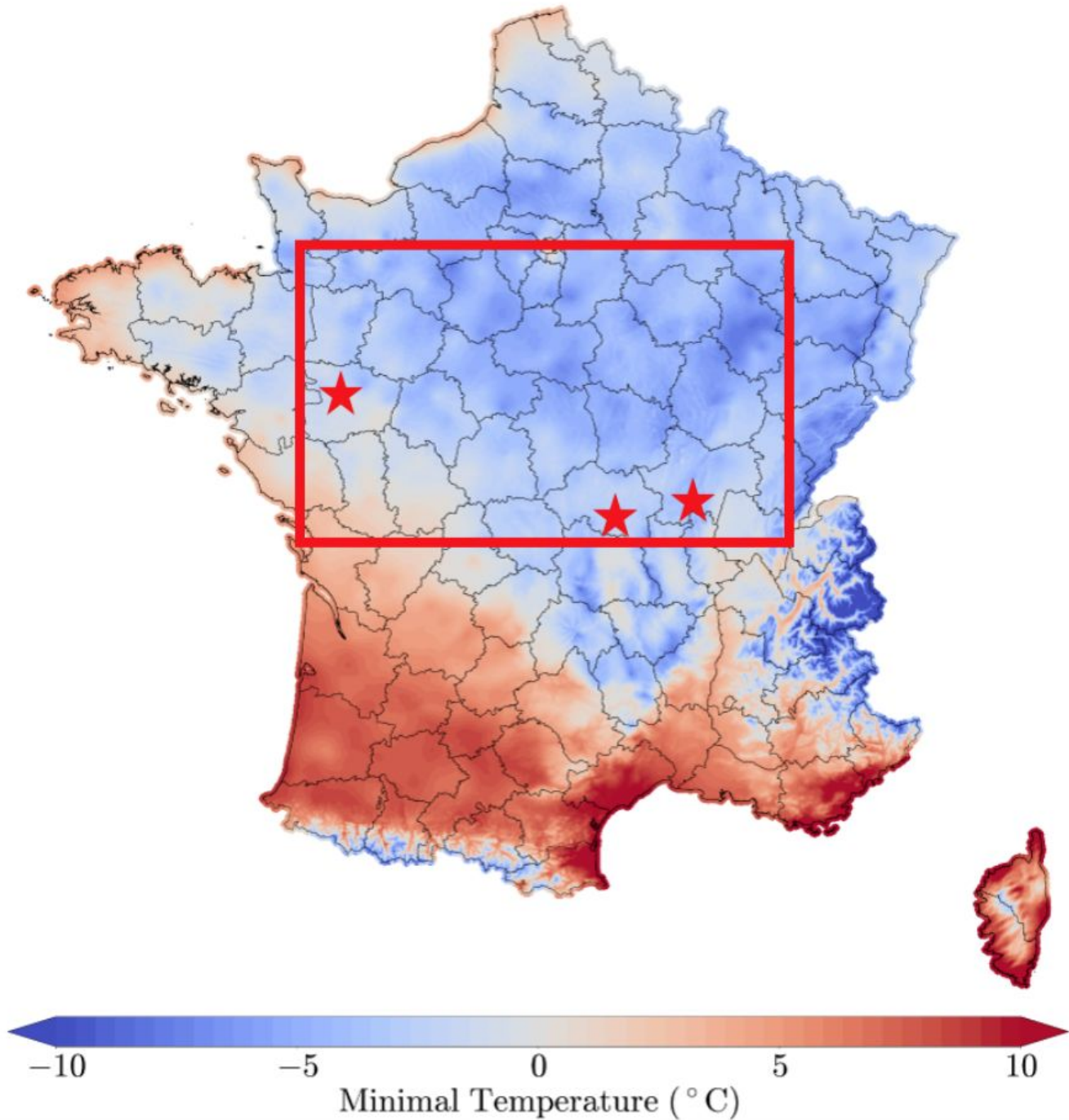


farmers

outside
help

French vineyard April 2021

€120.000 damage



Source: Human influence on growing period frosts like the early april 2021 in Central France

SPACE NEEDLE

Turning farms into
optimized ecosystems



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BUSINESS
INCUBATION
CENTRE

Poland



6:12 AM

Frost probability 98%

- Predicted low of -2°C
- Alert sent 16h ago
- Mitigation active

Low humidity 67%

- Frost impact heightened
- No risk of disease

P.M2.5 heightened $35\mu\text{g}/\text{m}^3$

- Dust in the air

NDVI optimal 0.82

- Healthy vegetation
- No action needed

Average temperature 8°C

- Low of 2°C expected tonight
- Risk of frost

No rain clouds detected

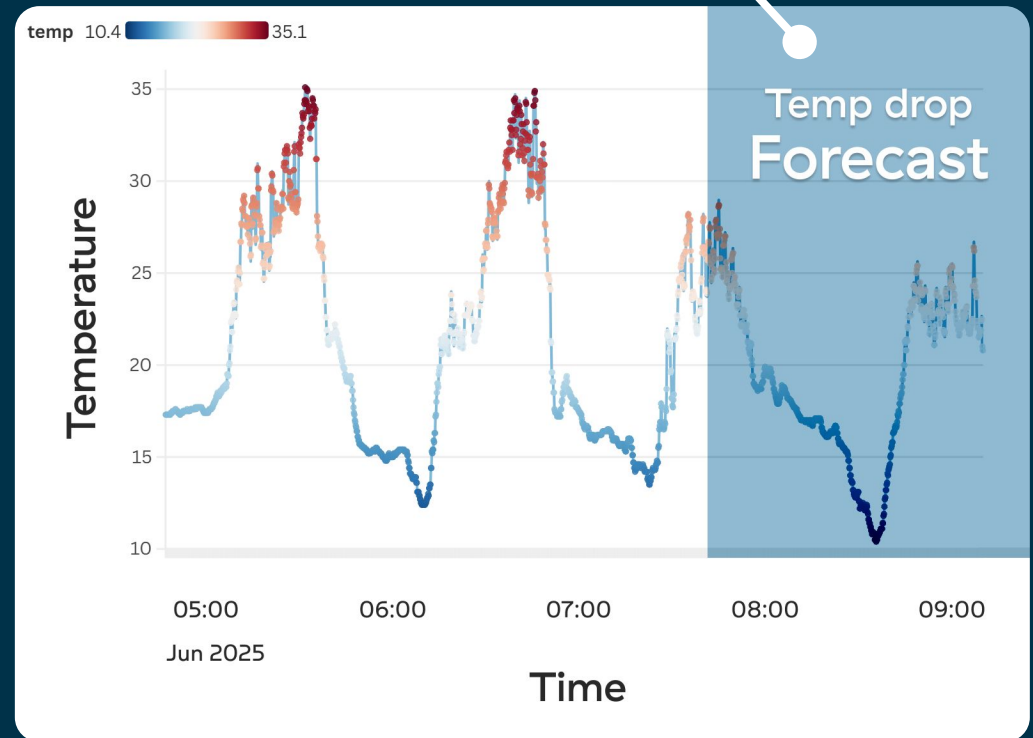
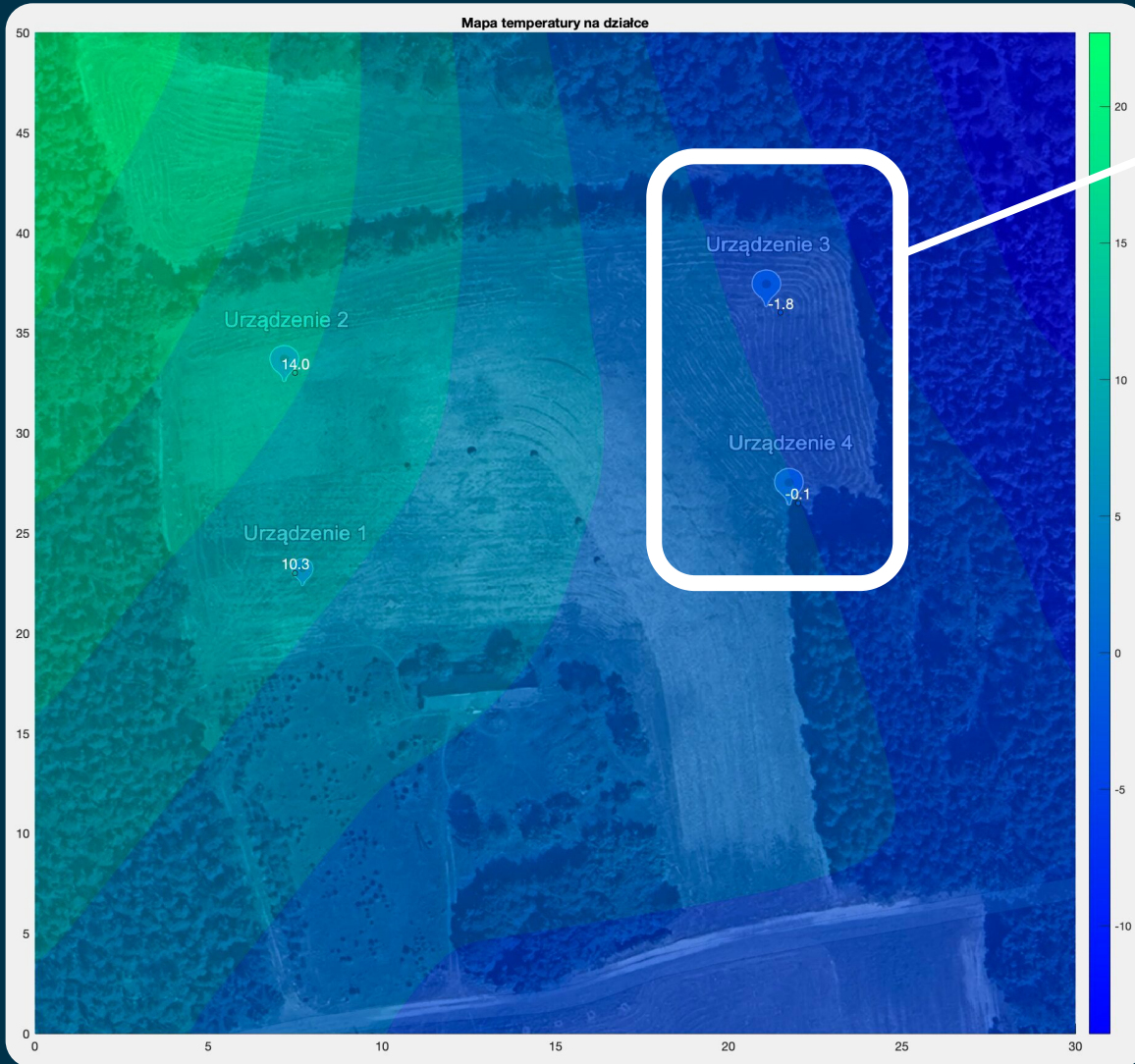
- No rain expected in the next 24h

Detection

Devices 3 & 4 detected frost zone

Prediction

Algorithms predicted this event



6:12 AM

- Frost probability 98%**
 - Predicted low of -2°C
 - Alert sent 16h ago
 - Mitigation active
- Low humidity 67%**
 - Frost impact heightened
 - No risk of disease
- P.M2.5 heightened 35µg/m³**
 - Dust in the air

- NDVI optimal 0.82**
 - Healthy vegetation
 - No action needed
- Average temperature 8°C**
 - Low of 2°C expected tonight
 - Risk of frost
- No rain clouds detected**
 - No rain expected in the next 24h

We turn data to real actions

- Sprinklers active**
 - Active for 1 hour
 - On for 15 more minutes
- Alert sent 16h ago**
 - SMS delivered
 - Email delivered

Plot Yield Maximization

Revenue
Gains

Crop loss
reduction

Early disease
detection

Maximizing
crop yield

Cost
Reduction

40%

Lower water &
fertilizer usage

Crop Rotation
time savings

Risk
Reduction

Stabilizing
total farm ROI

Progressive Growers



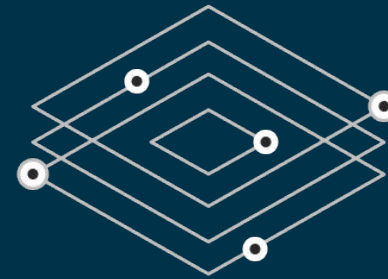
Business-minded operators

ROI-focused decision makers



Tech-forward adopters

Already using GPS, apps



50+ hectare operations

Scale for ROI impact



Yield maximizers

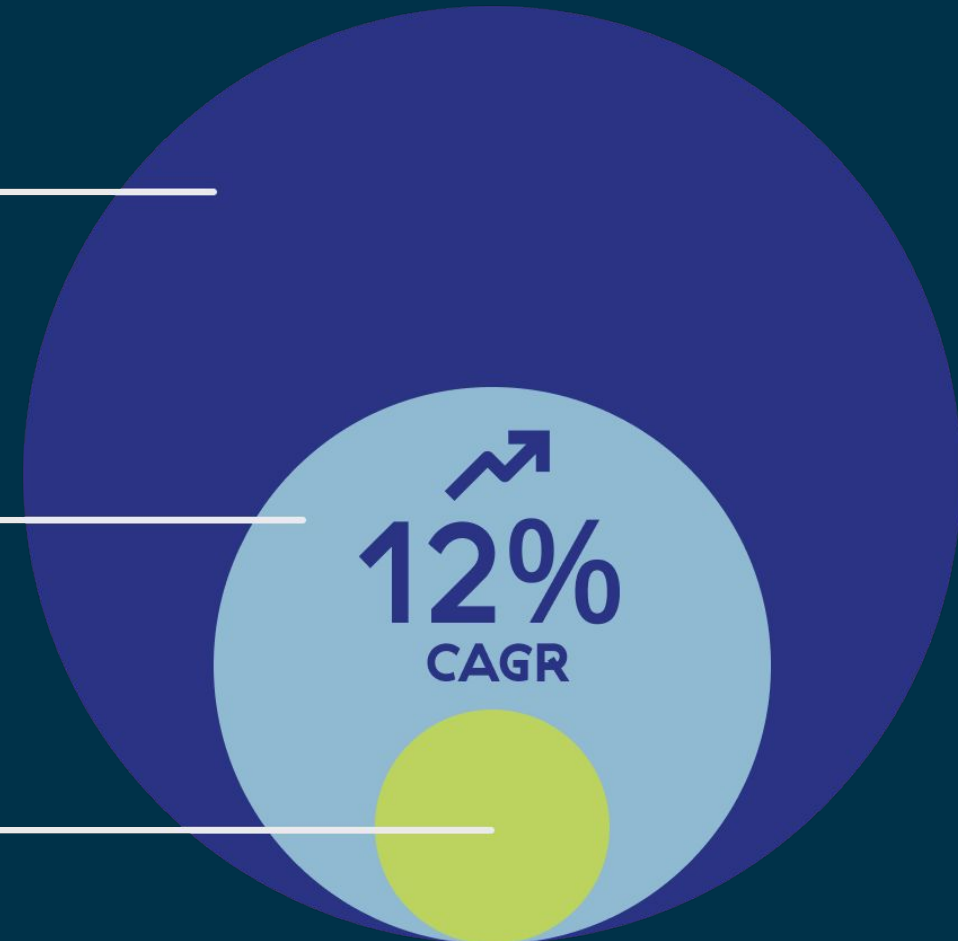
Every percentage point matters

 € **4.2** trillion TAM

 € **1.3** billion SAM

2% SAM Capture in Year 5

€ **26** million SOM



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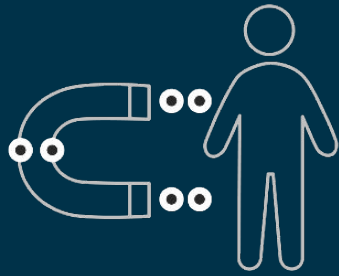


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Poland

	Sencrop	Pessl	CropX	Spaceneedle
Satellite Data	✗ No	✓ Yes	✓ Yes	✓ Yes
Ground Sensor Data	✓ Yes	✓ Yes	✓ Yes	✓ Yes
Dashboards and Recommendations	● Limited to weather data	● Complex subscriptions	● Complex dashboards	✓ Algorithms that predict what to do and when
Hardware for free	✗ No	✓ Yes	✓ Yes	✓ Yes
Total Cost of Ownership (5Y)	€2,500	€3,100	€7,500	€ TBD

Revenue Model Evolution



Freemium

Lead Magnet

- ✓ Satellite Data
- ✓ NDVI
- ✓ Crop health

Subscription

SaaS

- ✓ Ground Sensor Data
- ✓ SaaS Platform
- ✓ Predictions & Automations

Yield-Based

Collaboration platform

- ✓ Partners network
- ✓ Revenue sharing
- ✓ Data sharing

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Roadmap





Patryk Szczygło

10+ years in Software Development

R&D | TECH | INNOVATION

- Netguru | Experty.io
- R&D Leader
- AI expert and advisor



Jan Skóra

20+ years in Product Development

PRODUCT | BUSINESS | STRATEGY

- Data & Strategy consultant
- Knowledge Synthesis pioneer
- Successfully acquired 1 mln in NCBR funding

Thank you