

TRANSFORMING
CROP
CULTIVATION

Worldwide growing pesticide use



>90%

do not hit the target

86%

biodiversity loss

50%

pesticide reduction
by EU green deal

Our case studies demonstrate



40%

cost reduction

-70%

herbicide use

+30%

efficiency



Promoting pesticide-free food production



Reducing water use and pesticide runoff



Avoid pesticide accumulation in our bodies



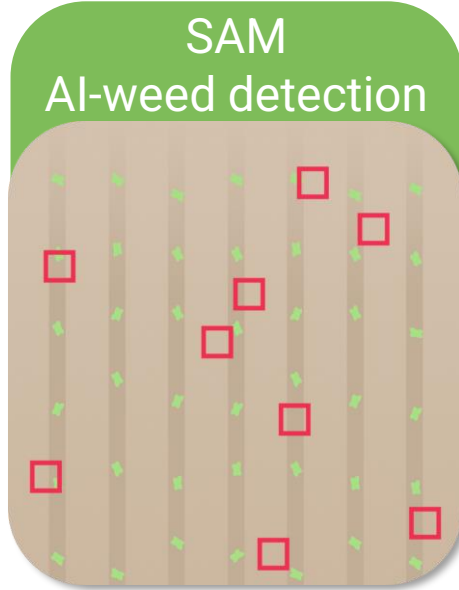
Limit humus degradation and CO₂ release

Simple process to actionable insights



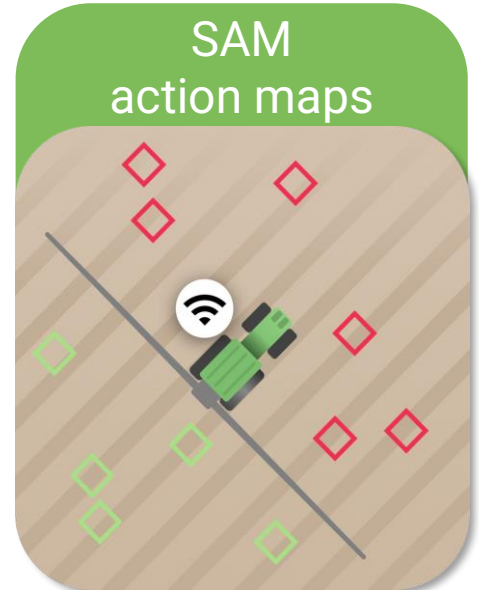
11x

faster mapping



-80%

data volume needed



80 ha

per hour

Sprayer in action with SAM-DIMENSION application map

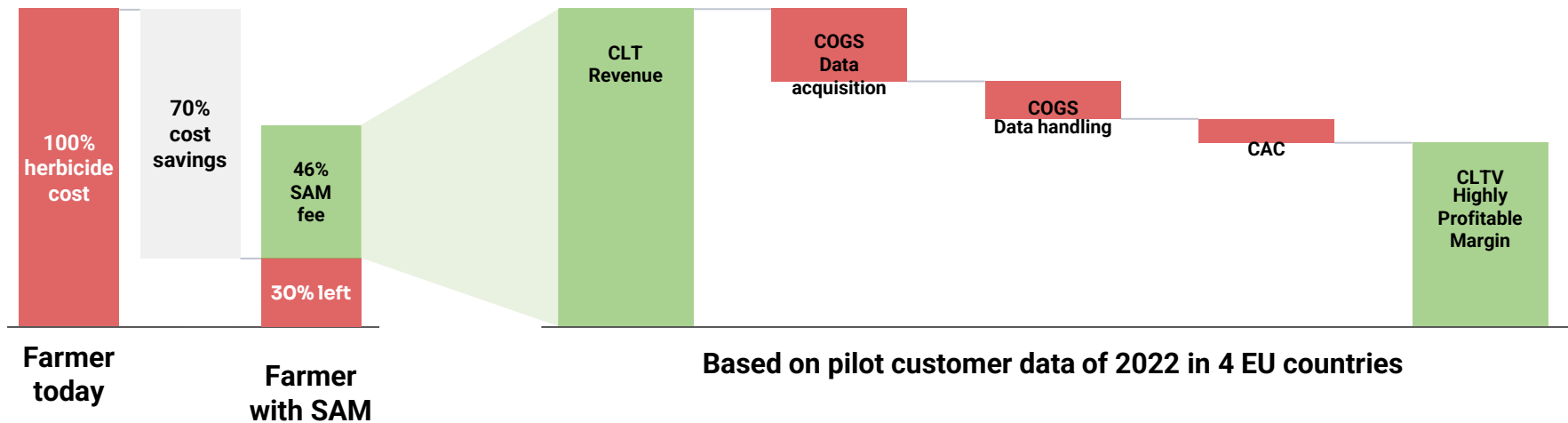


Business model & Unit economics



Simple earnings model

Unit Economics breakdown



Industry partners:



Team



Dr. Alexander Linn

Co-Founder & Managing Director
Technology & Finance

**Doctoral studies herbicide
resistance detection**



Dr. Robin Mink

Co-Founder & Managing Director
Marketing & Sales

**Doctoral studies remote sensing
systems in weed research**



9 team members in total and 5 advisory board members from:



PROJECT & PARTNER NETWORK



Aerial weed mapping viable for all stakeholders.



Ø 70%

reduction

in pesticide use validated.

€ 10/ha

savings

average possible at operating farms.

11X

faster

mapping than competition.

-80%

data

volume needed.

<2mm

resolution

ensures reliable quality.

1 Patent

**Pending:
PCT (WIPO) application.**

SAM wants you:
DRONE PILOTS (Students)
SEED-INVESTORS (AgFocus)



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Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages