

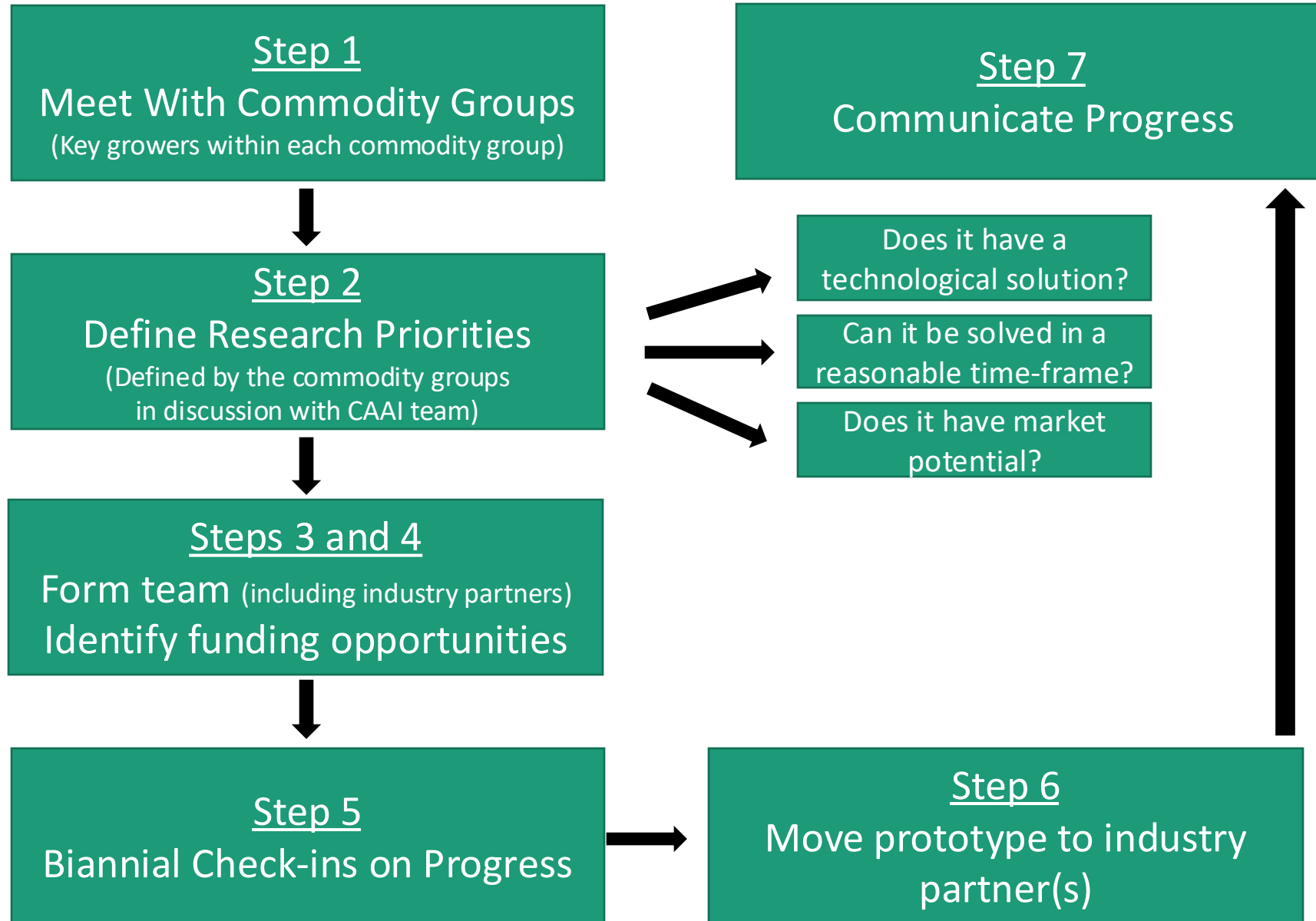
Center for Applied Artificial Intelligence





Automation / Efficiency

PROCESS



Ag Industry



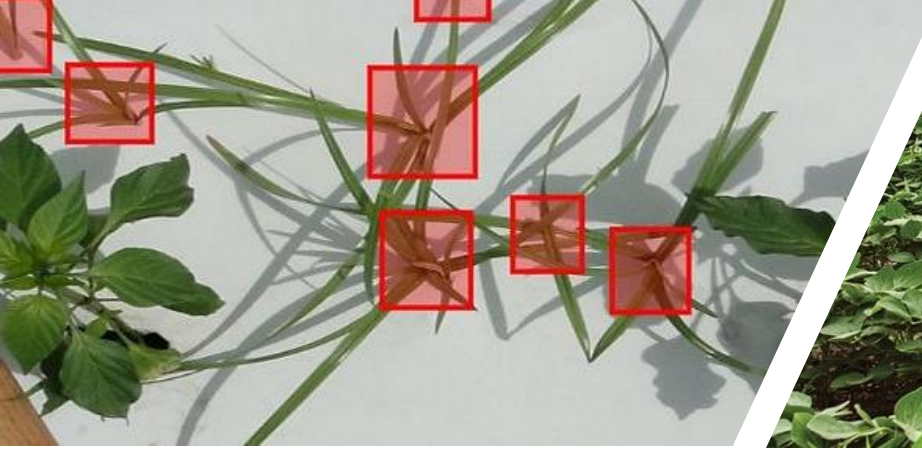
Grower Focused Research Priorities

Grower Input on Tech Design

Grower Evaluation of Novel Technologies

Grower Selection of Desirable Attributes

Grower Adoption



Targeted Herbicide Applications





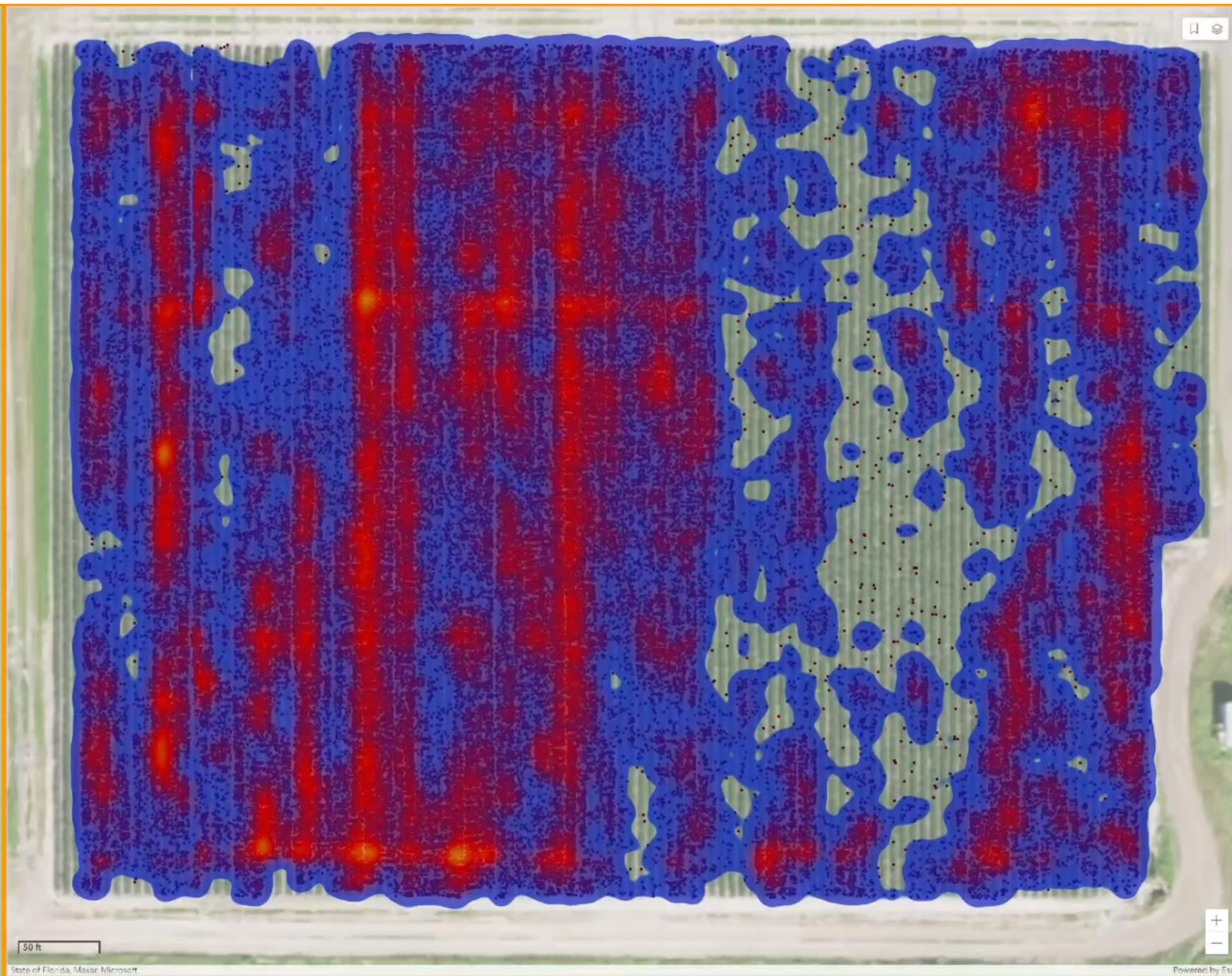
Total: 120

Sprayer boom





Nutsedge population:
98.2k



Using artificial intelligence to detect plant diseases

Strawberry Diagnosis

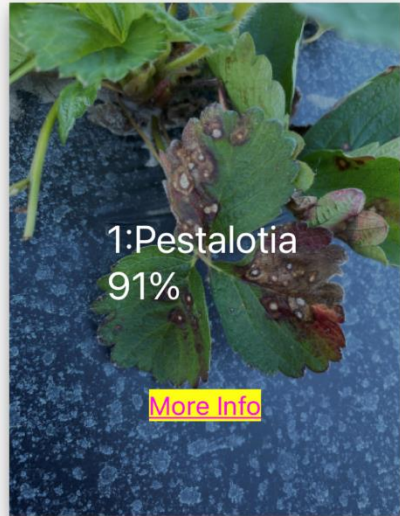
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Strawberry Diagnosis

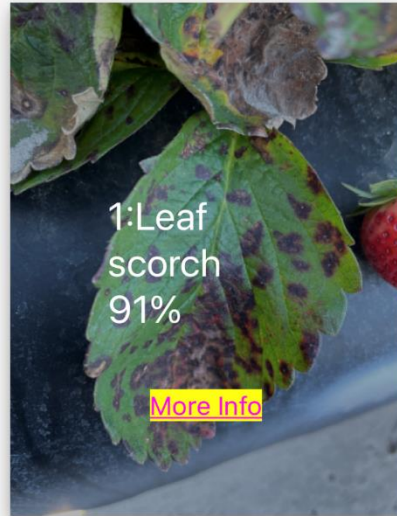
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Arnold Schumann



Natalia Peres



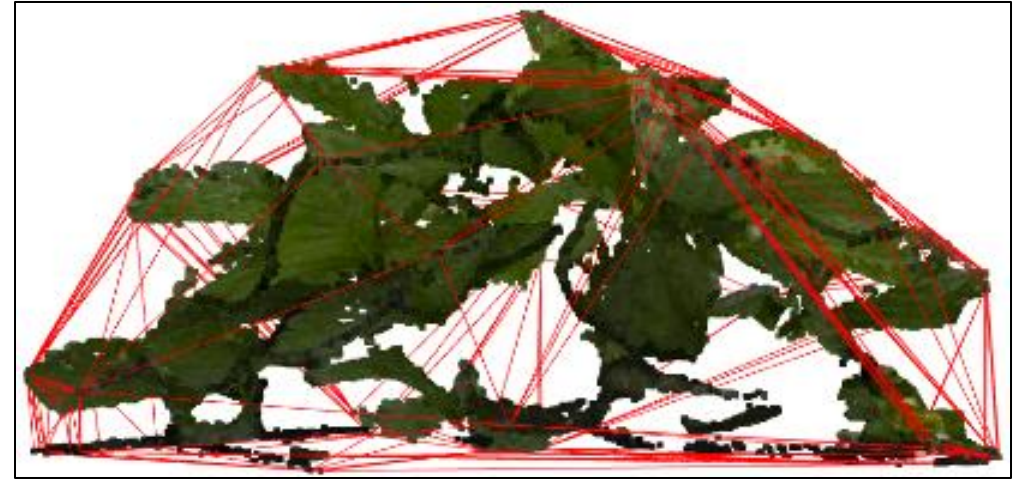
Marcus Marin

Strawberry biomass assessment by 3D phenotyping

Dr. Xu (Kevin) Wang



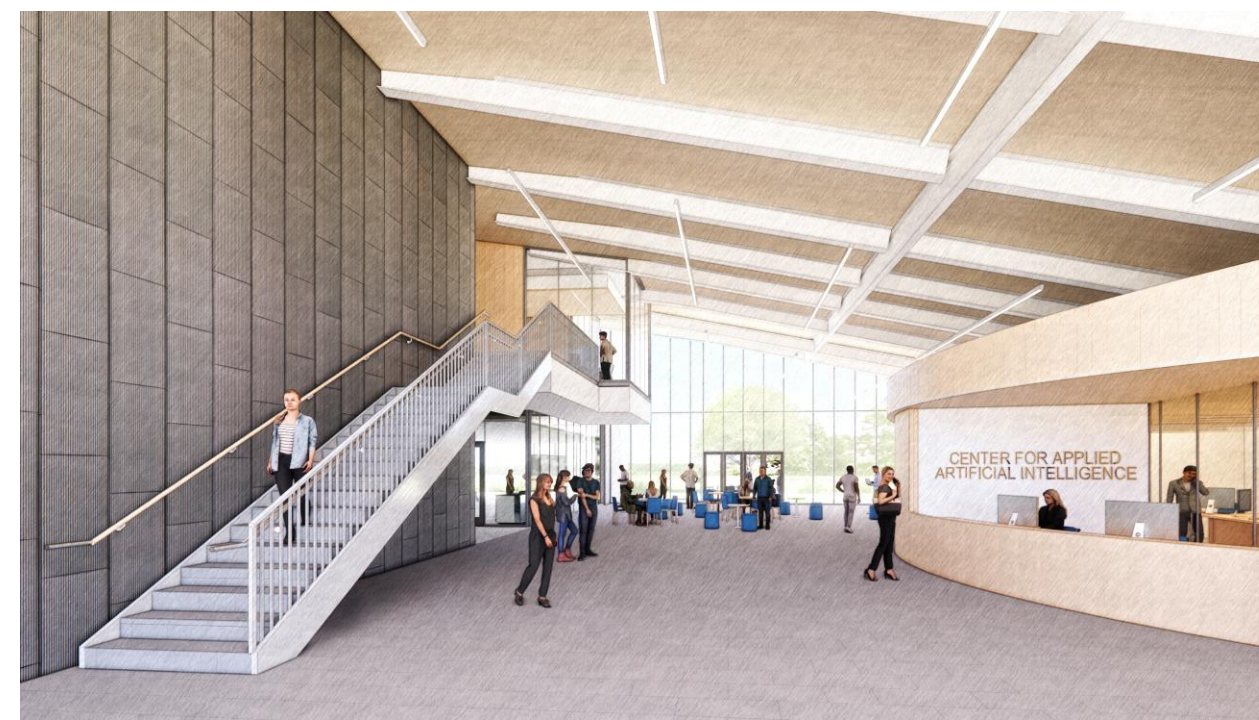
Ground-based image acquisition



Plant volume quantified by computer vision methods (3D convex hull) and highly correlated with fresh biomass

Robotics Simulation for Runner Detection







Thank you!



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