CROP INTELLIGENCE
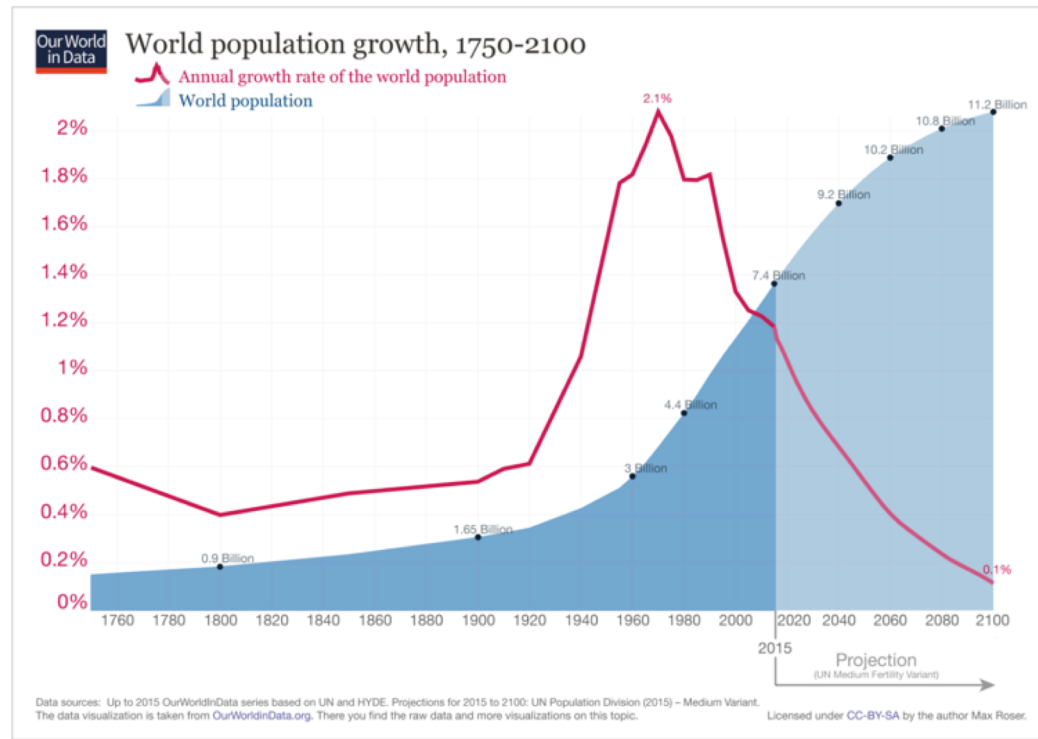# FOR GLOBAL AGRICULTURE
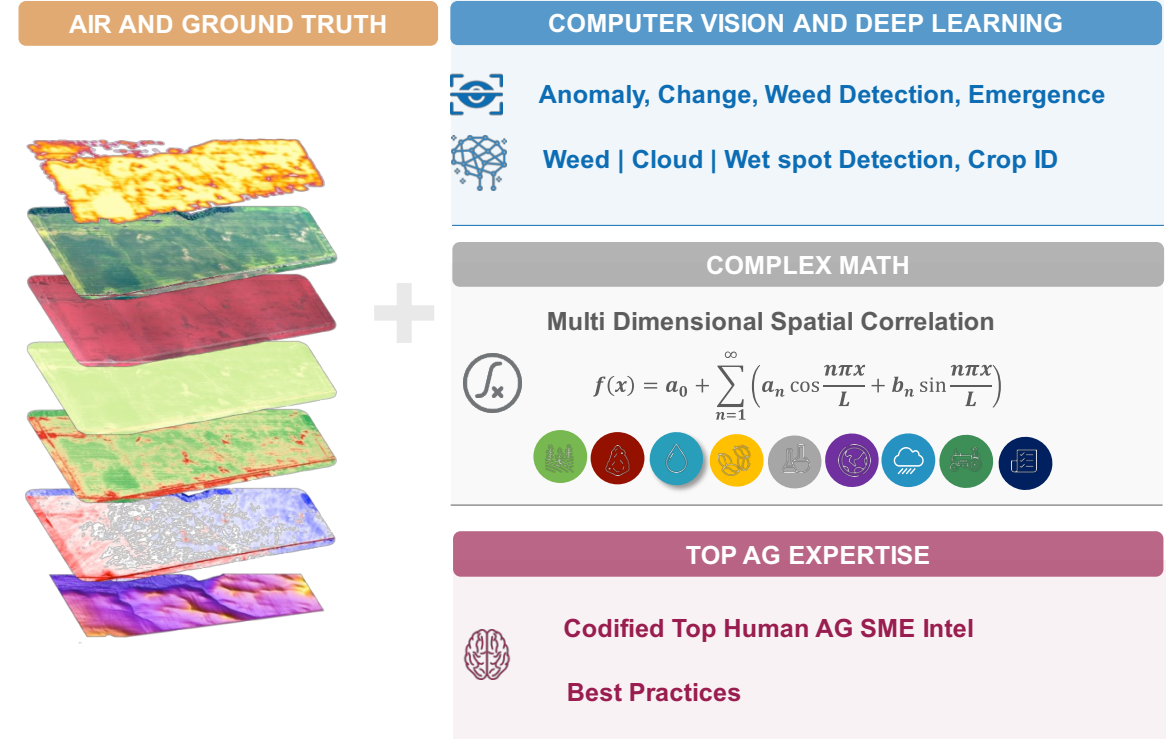
AGMRI

PROBLEM:

69% MORE CALORIES REQUIRED TO FEED THE WORLD'S RAPIDLY GROWING POPULATION BY 2050
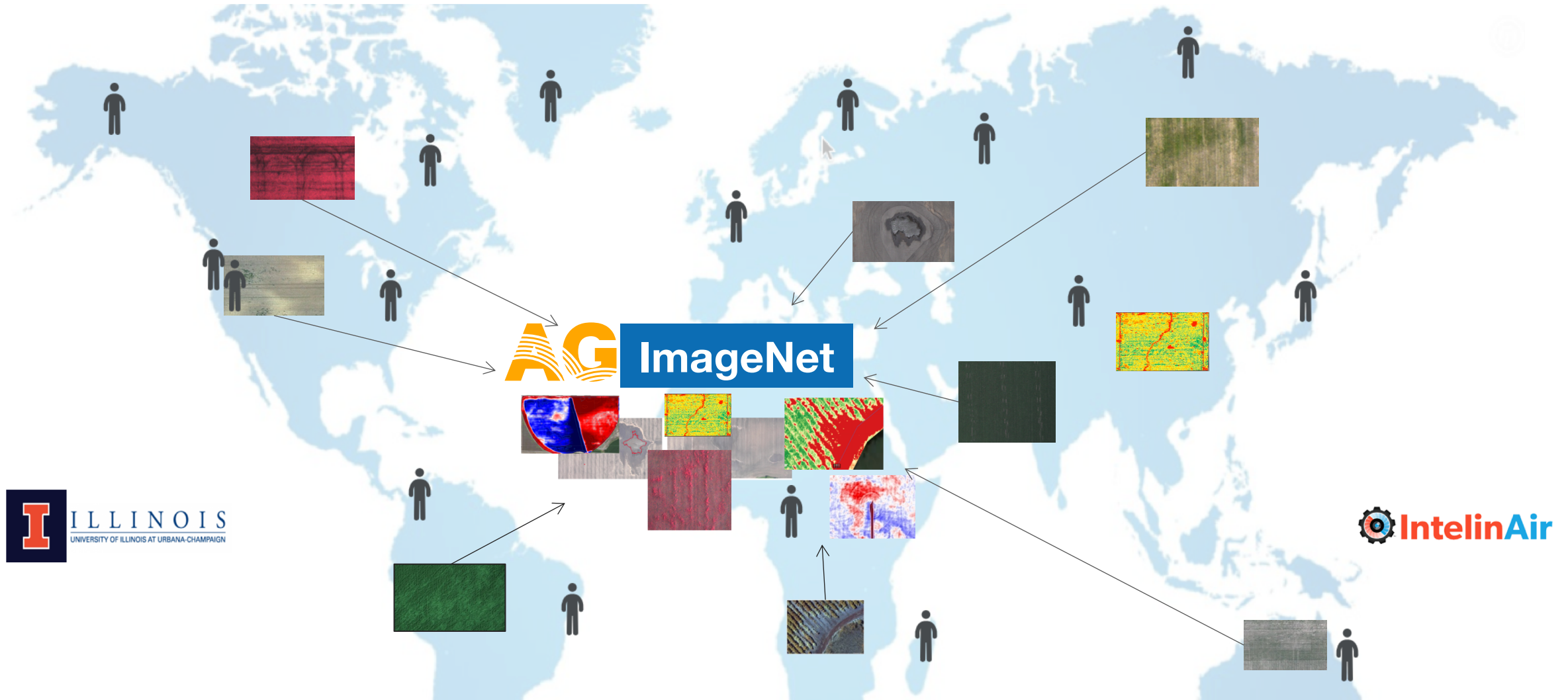

World population growth, 1750-2100

SOLUTION:

INTELINAIR AGMRI PROVIDES ACTIONABLE INTELLIGENCE FOR GROWERS

AIR AND GROUND TRUTH

+

COMPUTER VISION AND DEEP LEARNING

Anomaly, Change, Weed Detection, Emergence

Weed | Cloud | Wet spot Detection, Crop ID

COMPLEX MATH

Multi Dimensional Spatial Correlation

$$f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$

TOP AG EXPERTISE

Codified Top Human AG SME Intel

Best Practices

DEEP LEARNING facilitated by hundreds of thousands of images contributed from around the world available to the world's scientists and agronomists for research…

… Resulting in massive increase in crop productivity, farmer efficiency, and sufficient food to feed the growing population

AGMRI: Actionable Insights, Immediate Value

AGMRI

Row Tracer

Vegetation Row Detection
Method to Compare between what is planted and what is emerging

Weed Watch

Weed Detection
Multiple methods to detect weeds across the field, in Clusters, single or other distributions

Yield Risk

Anomaly Detection
Multiple methods to Identify Abnormalities in Crop Development that affect Yield

Trend Zone

Change Detection
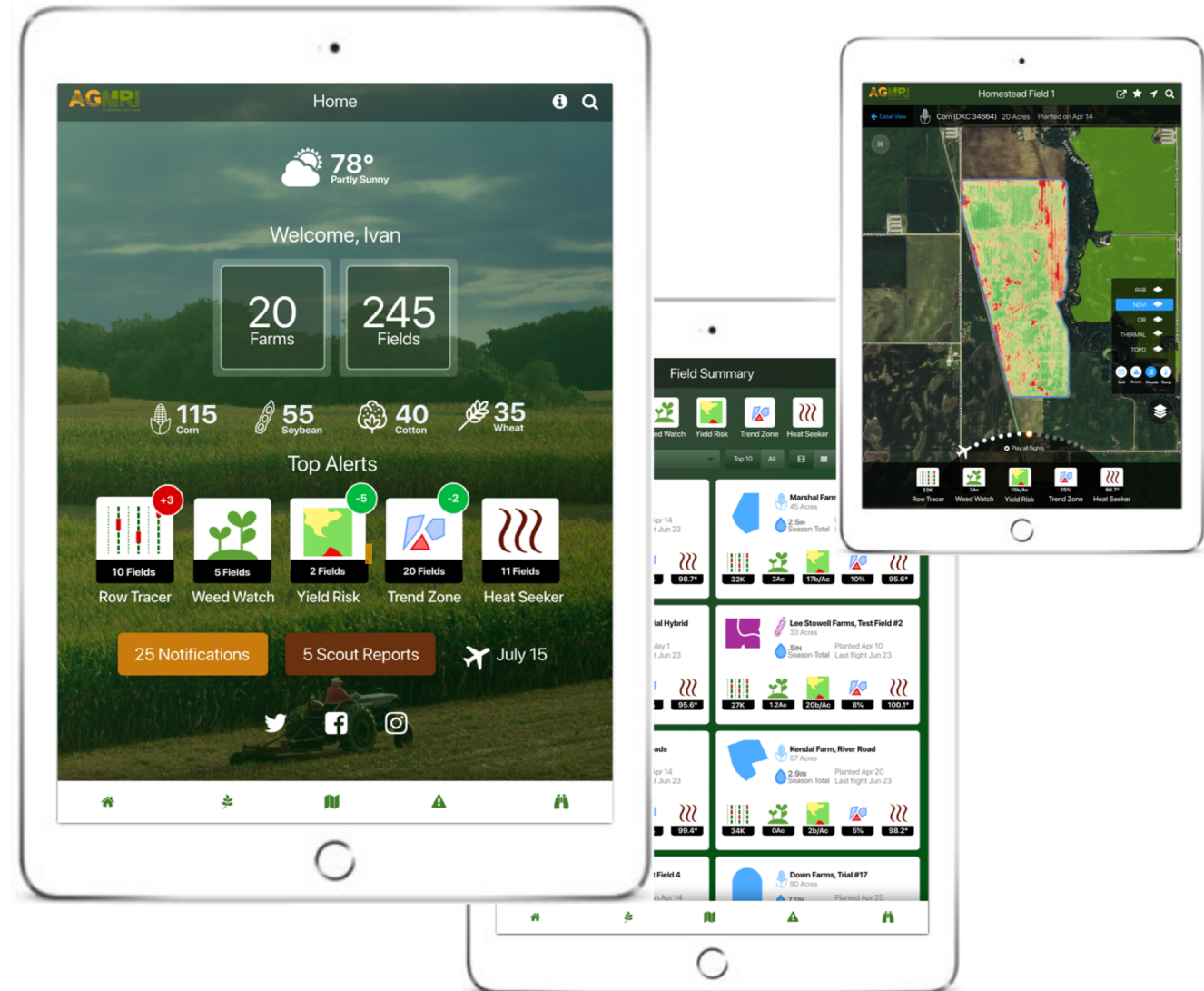Multiple methods to Identify Radical changes in Crop Development across time that affect Yield

Heat Seeker

Change detection
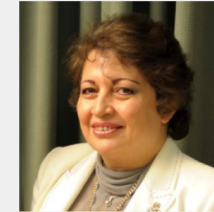Method to Identify Changes in Field Temp leading to Immediate Actions that affect Yield

TEAM

Al Eisaian
CEO (3 Exits)

Experienced serial entrepreneur with 3 exits

Adrian Tudor
CPO

20+ years of R&D and product development experience; expert on user experience and design

Naira Hovakimyan, PhD
CSO

Professor of Engineering at UIUC
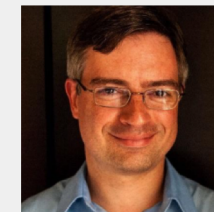Leading authority on AI technology

Josh Thornsbrough
VP Sales & Marketing

10 years of sales experience in ag retail with Growmark, FS & CPS.

David Wilson
VP Engineering

25 years of experience building massively scalable big data analytics

Greg Rose
VP Product

Expert in bringing new analytical products to market in diverse verticals
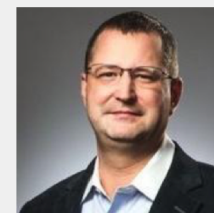
BOARD MEMBERS

Rob Saik
Director

Founder, Agri-Trend
Recognized expert in precision ag

ADVISORS

Joseph Byrum, PhD
Senior Advisor

Chief Data Scientist, Principal Financial
Former Head of Global Product Development, Syngenta

Robert Brunner, PhD
Advisor

Renowned data scientist and professor at UIUC
Head of Data Science Institute

Douglas Hirsh
Director

Portfolio Manager,
Dough Farms Opportunity Fund

John Power
Senior Advisor

President, LSC International Inc
Former senior executive with DeKalb Corporation and Rhone Poulenc Agro

Paolo Pirjanian, PhD
Advisor

CEO Embodied Robotics
Former CTO iRobot