



Kallamino

AI-TeC Farm

Agricultural Innovation and Technology Center



2014-2015 - Kallamino high school and demonstration site

Main farmland,
(10-15 Ha)

Demonstration
Plot

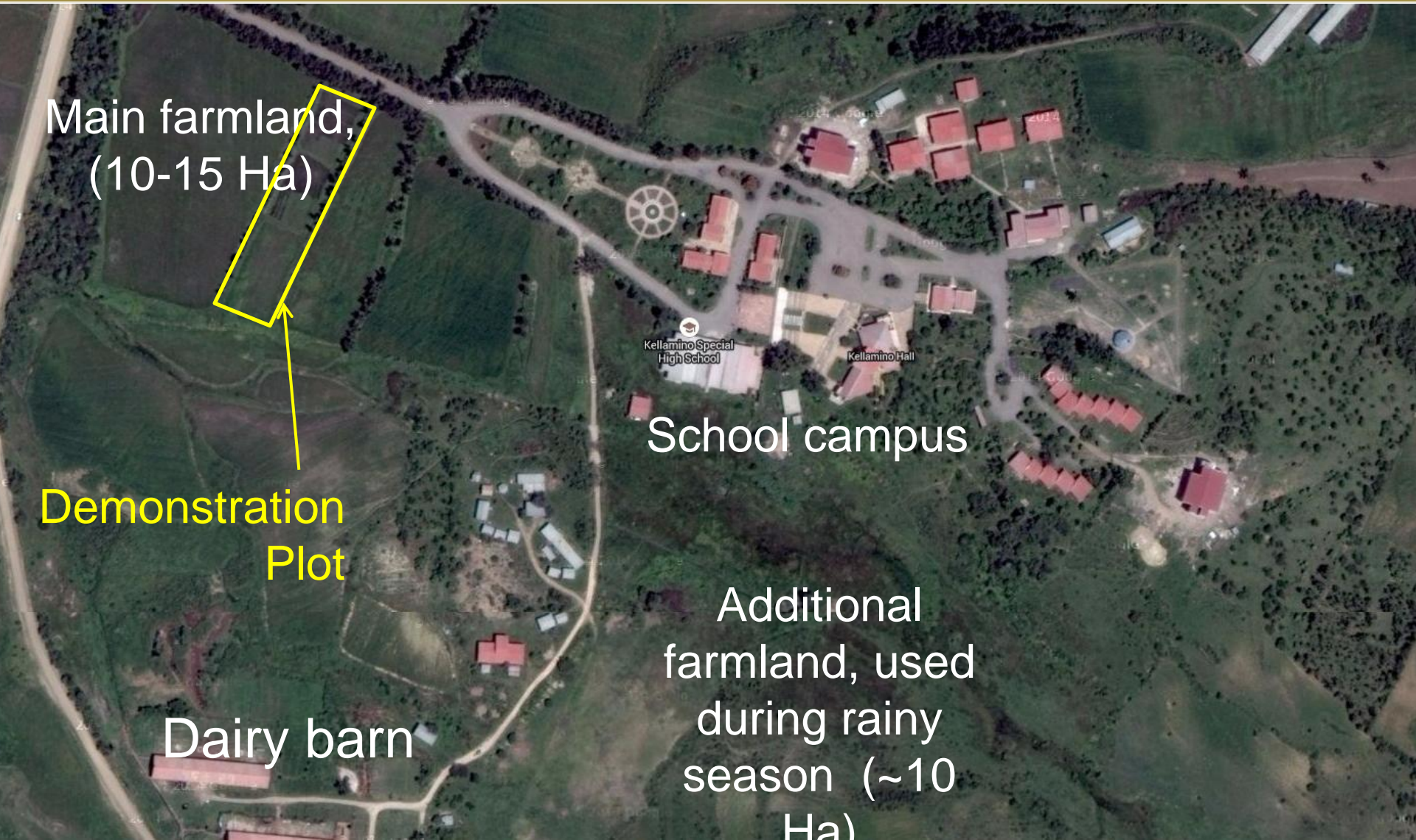
Dairy barn

Kallamino Special
High School

Kallamino Hall

School campus

Additional
farmland, used
during rainy
season (~10
Ha)



Demo site- year 1



Demo site- year 1



Demo site year 2



AI-TeC: Medium scale farm

- Technology and knowledge transfer
- Economically sustainable
- Meet market demand
- Research and Development
- Local partnership
- Proper management
- Israeli and Ethiopian agronomists



3000 cubic meter water reservoir



High Pressure Drip



Drip irrigation planning



PLOT	area	crop	irrigation	2015-2016	
A	3.5			crop	Ha
B	0.7	potato	drip	Tomato	3.1
C	0.5			Pepper	1
D	0.5	tomato	drip	lettuce	1
E	0.7	lettuce	drip	Cabbage	0
F	0.8	alfalfa	furrow	Garlic	0
G	1	pepper	drip	onion	1.25
H	1	onion	drip	Potato	1
I	0.25	onion	drip	total vegetable	7.35
J	0.125	tree	furrow		
K	1	tomato	drip	Avocado	1
L	0.6	demo	demo		
M	1.5	tomato	drip	total drip	
N	1	Avocado	drip	irrigated	8.35

Nursery Greenhouse



Avocado Plantation



Open Day



Cooperative training with students from TVET Agricultural college



Pilot Implementation with Local Farmers



Mekelle School for the Blind



Visit of Students to Israel



Studying at the Technion Institute of Technology





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Thank You!

Tomer Malchi
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