Canaan Model for a Sustainable Crop Value Chain Approach in Palestine







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Presentation outline:

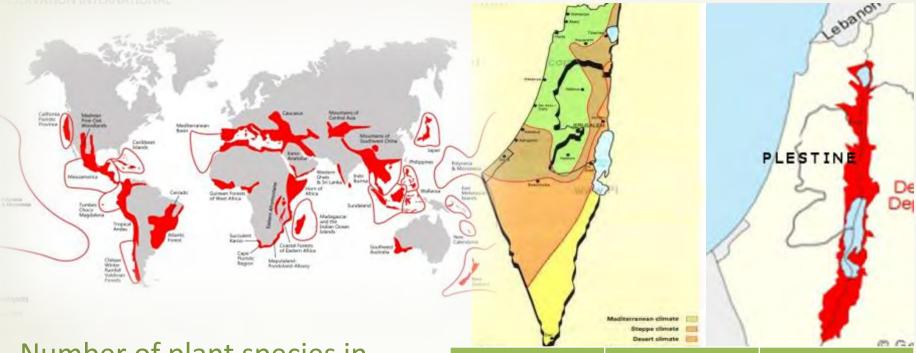
- ☐ Agriculture Context in oPt
- Canaan model
- ☐ Canaan Center for Organic Research & Extension (CORE)
- Success story: Defeating Almond seed wasp
- Learned lessons.

Agriculture in oPt.

Main Features and potentials: High diversity of agriculture systems and bio diversity

Palestine: A Biodiversity Hotspot 5 disti

5 distinct climatic zones: unique Jordan Valley



Number of plant species in Palestine is much greater than many major countries in the world.

Country	Size	Number of plant species
Palestine	27,000	2785
UK	9 Times<	1750
Egypt	37 Times<	160

Agriculture in oPt.

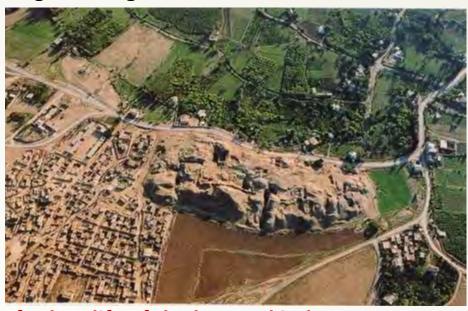
Main Features and potentials: High diversity of agriculture systems and bio diversity



Agriculture in oPt

Main Features and potentials: Rich heritage of indigenous knowhow and sustainable practice





The oldest city in the world: first forms of urban life of the human kind



Battir: UNISCO Eco-cultural heritage, 4000



Origins of Agriculture 10,000 years ago

Agriculture in oPt

Main Features and potentials: High value local products with added values



Agriculture in oPt: Major challenges

1. Scarcity and restrictions of natural resources (land, water, biodiversity)

Israeli settlements in WB



Check points in WB



Separation wall in WB



Agriculture in oPt: Major challenges

1. Scarcity and restrictions of natural resources (land, water, biodiversity)



Israel control the entire water resources in oPt. 80%/settlers 20%/Palestinians

Centuries-old olive trees uprooted by Israeli solders in Bethlehem area 2015





Agriculture in oPt.: Major challenges

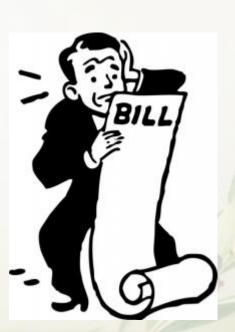
2. Land fragmentation and Small scale land properties



3. Lack of knowledge and no reliable research and extension



4. expensive agricultural inputs



Canaan model







Canaan model: philosophy

The beauty of the land of Palestine stems from its rich, fertile, and diverse agriculture, and this has been for thousands of years, a social culture of farming that creatively lived with the land producing the best treasures out of the soil. Palestinian farmers lived in harmony with this ecosystem for thousands of years and continue to honor these traditions to this day.

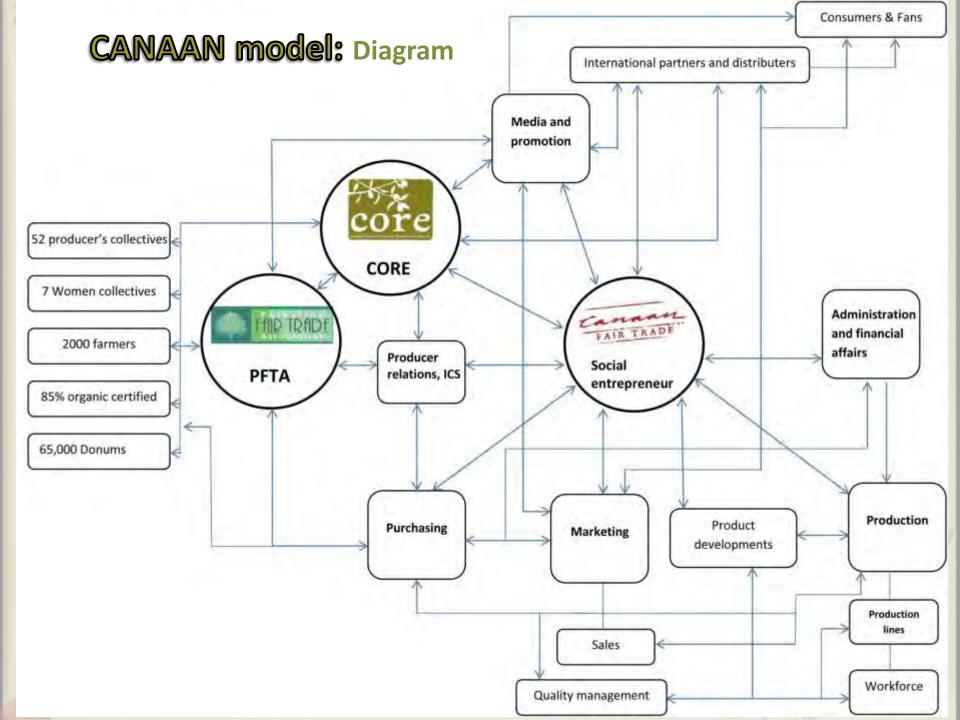
Canaan model: what is it?

PFTA & CORE & CFT = Canaan Model

The successful model utilized by the Palestine Fair Trade Association and Canaan Fair Trade has been named 'a world model for rural transformation' by the International Labor Organization (ILO).

CORE was the missing ring in this model, CORE will bridge the gape in terms of knowledge and technical support for a sustainable chain value. Also CORE will expand the benefits of this proven model throughout Palestine.

Utilizing both local and international market opportunities that were already created by CFT, will create a space for the small traditional farming family in the modern world



CANAAN model:consolidated reality for sustainable development based on value chain approach



- Farmers 1700
- Co-ops 52
- Women co-ops 8
- Wild plants collectors
- 7 provinces
- 82,000 donums
- Organic certified 85%
- Social prim





- National Center
- Based in Jenin
- Promoting Agroecological farming
- Research
- Extension
- Training
- Products development
- Market development
- Partners & networks



- Social Based business
- niche markets: North America, Europe, Far East, Arab Gulf
- Strategic buyers
- Products preparation, packaging, branding
- Certification
- Promotion

To

Crop chain value



From

core



Why we need CORE?

Lack of applied agricultural research in ecological and organic farming can addresses the real needs and problems of the farmers

Lack of reliable and efficient agriculture extension & training programs, specially for organic farming

Increasing
numbers of
farmers and
artisans who
convert to organic
farming

Increase interests and demands for organic products from international business and consumers



What is CORE!

Not-for-profit Company

Located among farmers (Jenin is the richest agri. area)

Not-for-profit Company

Value chain approach

Market oriented

Results driven

CORE's mission

Improving the livelihood of Palestinian small scale artisan farmers and their communities by promoting ecological and organic farming in Palestine through research & innovation - training and extension - sharing knowledge & cooperation.

Main Goals and Activities

Protect, preserve and support the sustainable agro-ecology of Palestine

Raise public awareness for sustainable agro-ecology products, their value to human health and the environment

Support organic farming production, processing, and marketing

Provide opportunities for global exchange of knowledge

Provide farmers with guidance and training on organic farming practices

Preserve and enhance indigenous plant varieties and animal races

Enhance food security and building resilience of local food resources

Minimize environmental pollution and promote public heath

CORE Partnership

















Association



Success story: Defeating Almond seed wasp

- In 2014 more than 60% of almond yield of has been damaged by the almond seed wasp
- Farmers start to uproot their almond orchards (1000 acre has ben uprooted)
- Framers had almost nothing knowledge about the problem



Problem assessment

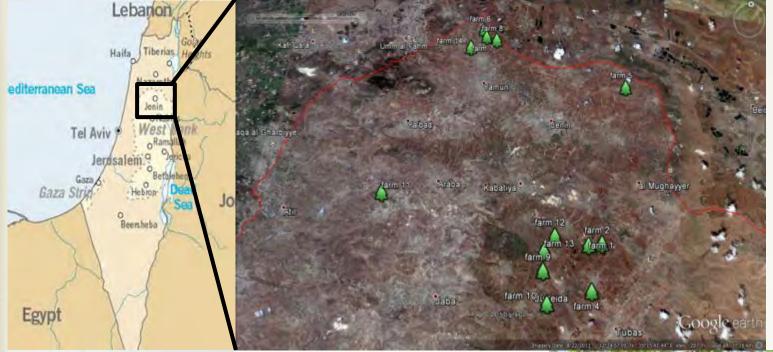


Visited farmers to collec information and assessment

Questioner about almond cultivation and almond seed wasp

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	Farm Description:		
	topography Junit 1921 of the Surface area: 59 almond area 59		
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	Surrounding area description:		
	Infection and severity:		
	Last season And we will be the season		
	Previous years /s)		
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9	Infection in the neighboring farms:		
	Insect description		
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	Plowing Comment of the State of		
	Fertilizing.		
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	Applying other materials		
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	-2		
1	Notes and comments:		

Research and Study (in farm by participatory approach)



Map show the distribution of demo fields in Jenin province in west bank



Wasp larva feeding on almond fruits



Traps in the demo fields



Almond seed wasp training in different villages

Awareness campaign



Almond seed wasp handout

Identification of time and control method



Traps to monitoring the almond wasp



The wasp out in end of February and beginning of march

Recording results





In 2015 infection less than 8% while in past seasons more than 60%

Learned lessons:

- Farmers eager for reliable knowledge
- Participatory approach makes farmers more active and welling to learn
- Approach and results enabled CORE to Build a trust relation with farmers in a record time

