



CASE STUDY SERIES # 1

## Promoting employment and entrepreneurship for vulnerable youths in West Bank and Gaza Strip

In partnership with the Palestinian Authority Ministry of Education and Higher Education, Ministry of Youth and Sport, Youth Development Association and the United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA)



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Photos: @ FAO/F. Dalla Valle, FAO Jerusalem, West Bank and Gaza Strip

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## Acknowledgements

This case study was prepared by Ms Francesca Dalla Valle from FAO's Gender, Equity and Rural Employment Division (ESWD) in close collaboration with FAO's Teams in the Coordination Office in Jerusalem and Sub-Offices in Ramallah and Gaza Strip.

The described activities in the Gaza Strip and West Bank are a joint effort between the Emergency Operations and Rehabilitation Division (TCES) as Operating Unit and the Gender, Equity and Rural Employment Division (ESWD) as Lead Technical Unit. To both Divisions goes the appreciation for supporting the projects activities in particular to Mr Daniele Donati, TCES, Ms Ariella Glinni, TCES, Ms Helena Eriksson, TCES, Mr Jules Seitz, TCES, Ms Carol Djeddah, ESWD, Mr Peter Wobst, ESWD and Ms Ilaria Sisto, ESWD.

Many people contributed to the planning and development of the activities described in this case study, in particular, Mr Luigi Damiani, Mr Azzam Saleh, Mr Erminio Sacco, Mr Suheil Neiroukh, Ms Intissar Eshtayah, Mr Carlos Diaz Mateu, Ms Sarah Leppert, Ms Rana Hannoun, Mr Mohammed ElShattali, Mr Mahmoud Abed, Mr Saad Younis, Mr Jaap Van De Pol and Mr Adham Elkhateeb.

The commitment of all the facilitators, headmasters and local women's associations involved in these described activities in the West Bank and Gaza Strip as well as the enthusiasm of all the youths involved in the JFFLS was overwhelming.

A special thought goes to all the logistic experts (Mr Ahmad Abu Laban, Mr Ali Abu El-Hawa, Mr Ayman Dayah, Mr Hani Abu Diab, Mr Mohammed Qabane, Mr Khamis Hawash and Mr Mazen Abu Zhaer) involved in all the travels both in the West Bank and Gaza Strip for securing all the trips and allowing us all free to work without problems in spite of all the security constrains.

Special thanks are given to the Government of the Kingdom of Norway, the Qatar Charity, the Italian Cooperation, the Government of Belgium, the Spanish Cooperation and the UK Department for International Development (DFID) for providing funds for various activities implemented in the West Bank and Gaza Strip.

FAO is grateful to the Ministry of Education and Higher Education, Ministry of Youth and Sport, Ministry of Women's Affairs and Ministry of Agriculture of the Palestinian National Authority in Ramallah and to the Youth Development Association for providing Institutional partnership and support to the activities and to the United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA) for partnering with FAO in the implementation of the JFFLS in selected refugee camps in the Gaza Strip.

## Acronyms

AESA	Agro-Eco System Analysis
CBO	Community Based Organization
ESWD	FAO's Gender, Equity and Rural Employment Division
FAO	Food and Agriculture Organization of the United Nations
GS	Gaza Strip
IPM	Integrated Pest Management
JFFLS	Junior Farmer Field and Life School
MDG	Millennium Development Goal
MoA	Ministry of Agriculture
MoEHE	Ministry of Education and Higher Education
MoYS	Ministry of Youth and Sport
MoWA	Ministry of Women's Affairs
MoU	Memorandum of Understanding
NGO	Non-Governmental Organization
OCHA	Office for the Coordination of Humanitarian Affairs
oPt	occupied Palestinian territory
PA	Palestinian Authority
PRDP	Palestinian Reform and Development Plan
TCES	FAO's Emergency Operations and Rehabilitation Division
UNRWA	United Nations Relief and Works Agency for Palestine Refugees in the Near East
UNSCO	Office of United Nations Special Coordinator for the Middle East Peace Process
WB	West Bank
YDA	Youth Development Association

## Executive Summary

Youth in the West Bank and Gaza Strip (WBGS) face enormous challenges related to occupation, conflict, deep rural poverty, food insecurity and lack of extracurricular activities. Socio-economic conditions in the Palestinian territories continue to degrade as policies of the Occupation increase such as checkpoints, building of the Separation Wall, blockade on the Gaza Strip, and permit system to move in/out of the WBGS. The need to maintain traditional agricultural practices grows as the consequences of Occupation and conflict threaten farming livelihoods. As the Separation Wall and other security zones deny Palestinians the right to access agricultural areas, trade restrictions and dumping of Israeli goods in the markets limit the achievements of the agriculture sector. High unemployment and underemployment coupled with the high cost of non-food items continues to impact food security negatively, especially among poor rural households and female-headed households. Children are affected especially by food insecurity as rates of anaemia and other forms of malnutrition continue to rise in the WBGS.

To combat challenges facing youth, the UN Food and Agriculture Organization (FAO) launched a Junior Farmer Field and Life Schools (JFFLS) programme in the West Bank and Gaza Strip (WBGS) in 2008. The JFFLS programme, previously successful in several African countries, takes an innovative approach to empowering youth through self-esteem raising and life skills teaching. Using the agriculture growing calendar as a model for life, youth learn agricultural skills while developing corresponding life lessons like setting goals, importance of personal space for growth, and teamwork. The youth are encouraged to develop healthy and positive skills using cultural activities to keep local traditions alive. Providing a safe social space for boys and girls, the schools address gender sensitivity, child protection, psycho-social support, nutrition, education and business skills. By developing agricultural skills, youth learn the importance of sustainable farming practices and the environment.

Both girls and boys (totalling 260 and 280 respectively) participated in the project, and most came from difficult circumstances including deep rural poverty, experiences with conflict, and female-headed households. Teachers from local schools received training to become facilitators for the after-school JFFLS activities. Reaching further to the community level, FAO brought in women's cooperatives to prepare nutritious meals for the students. At the final phase of the seven-months cycle, products grown by the students were sold during Open Days to teachers and parents, in which the funds were saved for future activities. JFFLS students joined with local youth clubs to continue using and expanding their skills through partnerships with the Ministry of Youth and Sport (MoYS) and Youth Development Association (YDA).

FAO continues to cooperate with the Ministry of Education and Higher Education (MoEHE) to promote the idea of JFFLS throughout the WBGS as the benefits of the programme on youth's self-esteem, entrepreneurial and agricultural skills, and overall potential to become healthy and positive young adults is evident from pre- and post-programme evaluations. According to the evaluation, JFFLS participants stated that they developed new skills, expressed interest in continuing the JFFLS programme and/or pursuing agricultural education, and performed well in their end-of-the-year exams. Participants showed a general improvement with a positive change in their attitudes including more confidence and hope for the future. Owing to the success of the pilot project, FAO is cooperating with eighteen schools in WBGS for the 2009-10 school year to continue extending the benefits of JFFLS to 620 new students. With hopes of expanding the programme to at least other rural and/or conflict-affected areas, the programme may lead potentially to a revision of the national curriculum with the inclusion of agricultural activities.

# 1 Background and rationale



Cultural activities in WBGS

Over sixty years of Israeli occupation and subsequent political developments have left an enormous impact on the socio-economic conditions of Palestinians in the occupied Palestinian territories (oPt). More recently, inter-Palestinian conflict and tension has added to the complexity of Palestinian-Israeli relations by creating additional obstacles to achieving lasting peace in the region. In the last ten years, three main events added to a further downward spiral of the socio-economic situation in the oPt: the second Intifada that began in 2000; the Hamas victory in the January 2006 national legislative elections, and the June 2007 Hamas take-over of the Gaza Strip. In the aftermath of the latter, the Palestinian Caretaker Government was established with Fatah as the ruling party and international cooperation with it opened new possibilities for interventions in the West Bank. However, under the current political realities, the Gaza Strip was left largely on the side with international support confined to humanitarian assistance, and even that faces heavy and insurmountable restrictions by the Israeli government. The combination of the above with an increasingly strict Israeli closure regime continued to strain the geographic, social, economic, and political contiguity and viability of the oPt, and the cohesiveness of its society.

Unemployment rates in the oPt have been persistently high, and increased sharply since the start of the second Intifada when Palestinian day-labour permits to Israel were terminated: unemployment in the West Bank stands at 17%, while unemployment in Gaza is 40%. Underemployment affects an even larger percentage of the population caused by those

turning to unpaid family labour or seasonal agriculture work. Labour force participation rates are low (42% in West Bank and 38% in Gaza Strip in 2008) and, as employment opportunities become scarcer, and the socio-economic conditions show no sign of improvement. Young people are the hardest hit by unemployment: 36% of 20-24 year olds (West Bank: 30%; Gaza Strip: 49%) and 39% of those aged 15-19 (West Bank: 34%; Gaza Strip: 52%) are jobless. Among youth, almost half (46%) of women aged 20-24 are unemployed. When considering educational attainment, women with 13 years of schooling and more have a jobless rate of 29%, whereas for men in this category unemployment is 14%. Additionally challenging the achievement of the third Millennium Development Goal (MDG) that promotes gender equality and women empowerment is the low female participation rate in the labour market at 15% (West Bank: 18%; Gaza Strip: 10%), which is among the lowest in the world.

High unemployment rates, especially among the youth in the Northern and Southern West Bank and the Gaza Strip, negatively impact the poverty conditions in the oPt and the potential of achieving MDG 1 with a mission to eradicate extreme poverty and hunger by the year 2015. The objective income poverty trends in the oPt are negative and sensitive to changing circumstances on the ground, the blockade and ongoing conflict has caused poverty rates in the Gaza Strip to jump from 52% in March 2006 to 70% in February 2008. Owing to relatively stable conditions in comparison to Gaza, in the West Bank, the share of poor households over the same period of time appears to have remained stable, moving from 49 to 51%.

In an uncertain environment characterized by high unemployment and poverty rates, and severe constraints in movement and access due to closures, a large number of Palestinians consider migrating abroad or between the two territories. A 2006 survey revealed that 40% of all Palestinians were living outside the oPt make-up 'the Diaspora'. After the Oslo Agreement, many Palestinians returned to invest in nation-building in the oPt; however, after the outbreak of the second Intifada, many of these expatriates stopped contributing. Further, a December 2007 survey indicated that 20% of households had at least one household member migrate abroad in the past year, mainly in search of employment, a

better life, and education. Fifteen% had at least one household member migrate within the oPt, principally in the direction of Ramallah, a booming metropolis in central West Bank. Over one-third (34%) of Palestinians desired to migrate if given the means.

The Palestinian Reform and Development Plan for 2008-2010 (PRDP) sets out clear priority areas that include Governance, Social Development (including a Youth Empowerment Programme and an Employment Generation Initiative), Economic and Private Sector Development, and Public Infrastructure Development, however, owing to PA running costs (mainly salary) and little development investments, there were meagre attempts at meeting the PRDP objectives.

Agriculture plays a key role in the Palestinian economy and food security situation, providing work for more than 39% of those working in informal sectors and supporting a significant proportion of Palestinian families who cultivate their lands for livelihood. In 2005, the agricultural sector provided job opportunities and employment to 136 383 workers and 14 000 private business establishments in the West Bank and Gaza Strip (WBGs). However, Israeli closure policies, the construction of the Separation Wall, land confiscation, limited access to water resources, lack of access to services and limited access to the labour market are leaving many villages facing impoverishment and high levels of unemployment.

In the West Bank, the number of checkpoints counted in 2009 by the United Nations, totalled 642 with 573 permanent barriers and 69 “flying” checkpoints. This figure is a significant increase from the total of 376 checkpoints in 2005.

Some checkpoints are sometimes randomly removed but new ones are introduced in different parts of the WB and many checkpoints are along the major trade routes for Palestinians.

The UN Security Council has issued several non-binding resolutions addressing the issue of the settlements. UN Security Council resolution 446<sup>1</sup> states

that [the] practices of Israel in establishing settlements in the Palestinian and other Arab territories occupied since 1967 have no legal validity, and it calls on Israel as the occupying Power, to abide scrupulously by the 1949 Fourth Geneva Convention. Also resolution 452<sup>2</sup> addresses the issue of the settlements in West Bank emphasizing the need for confronting the issue of existing settlements and the need to consider measures to safeguard the impartial protection of property sized.

The Conference of High Contracting Parties to the Fourth Geneva Convention held in Geneva on 5 December, 2001<sup>3</sup> called upon “the Occupying Power” to fully and effectively respect the Fourth Geneva Convention in the Occupied Palestinian Territory, including East Jerusalem, and to refrain from perpetrating any violation of the Convention.

Although Israel has formally pledged to stop settlement efforts in the West Bank as part of the peace building process, a monitoring of activities hasn’t been carried out and settlements have continued to grow. [Security Council SC/9457<sup>4</sup>, UN General Assembly A/HRC/RES/10/18<sup>5</sup>, The Humanitarian impact on Palestinians of Israeli Settlements and other infrastructures – OCHA<sup>6</sup>]. Settlements construct elaborate security fencing and interrupt roads and streets to protect their residents; thereby Palestinians living near or around settlements must obtain special permits to reach their agricultural areas. Owing to the Separation Wall, producers are cut-off from the East Jerusalem market<sup>78</sup>.

The building of the Separation Wall has restricted even more the flow of Palestinian workers into the Israeli labour market and reduced to a minimum the distribution of permits for Palestinians to work in Israel<sup>9</sup>. These factors (checkpoints, Separation Wall, limited permits, Settlements, etc) cost time and resources that impact revenues each year; thus limit the ability to which businesses can employ workers and negatively influence poverty rates and levels of food security. Main data for WBGs can be found in BOX I.

- 1 UN Security Council resolution 446 full text and reports  
<http://domino.un.org/UNISPAL.NSF/85255e950050831085255e95004fa9c3/9785bb5ef44772dd85256436006c9c85?OpenDocument>
- 2 UN Security Council resolution 452 full text and reports  
<http://domino.un.org/UNISPAL.NSF/db942872b9eae454852560f6005a76fb/0b7116abb4b7e3e9852560e5007688a0?OpenDocument>
- 3 Conference of High Contracting Parties to the Fourth Geneva Convention, 2001  
<http://www.globalpolicy.org/security/issues/israel-palestine/2001/1205geneva.htm>
- 4 <http://www.un.org/News/Press/docs/2008/sc9457.doc.htm>
- 5 <http://unispal.un.org/UNISPAL.NSF/0080ef30efce525585256c38006eacae/af2d13b47209e41c8525758c004bead7?OpenDocument>
- 6 <http://www.ochaopt.org/documents/>
- 7 [http://www.ilo.org/wcmsp5/groups/public/---ed\\_norm/---relconf/documents/meetingdocument/wcms\\_092729.pdf](http://www.ilo.org/wcmsp5/groups/public/---ed_norm/---relconf/documents/meetingdocument/wcms_092729.pdf)
- 8 [http://www.ilo.org/wcmsp5/groups/public/---ed\\_norm/---relconf/documents/meetingdocument/wcms\\_106367.pdf](http://www.ilo.org/wcmsp5/groups/public/---ed_norm/---relconf/documents/meetingdocument/wcms_106367.pdf)
- 9 <http://july.unricmagazine.org/publications/42-publications/327-qilo-annual-report-the-situation-of-workers-of-the-occupied-arab-territoriesq.html> TheHumanitarianImpactOfIsraeliInfrastructureTheWestBank\_Intro.pdf

## BOX 1 STATISTICS OF WEST BANK AND GAZA STRIP

### Population and Demography (revised – 2007)

Projected Population (15/01/2007)	
Palestinian Territory	3,761,646
West Bank (all Governorates)	2,345,107
Gaza Strip	1,416,539
Jerusalem Governorate	363,649
Projected Population by Age (Mid 2007)	
0-17 years	52.2%
18-64 years	44.9%
65+ years	2.9%
Percentage of youth aged 15-29 (mid 2007)	27.0%
Population's Natural Increase Rate (2007)	
3.3% Gaza Strip	
2.6% West Bank	
Percentage of households with at least one person aged 15-29 (2006)	74.0%
Percentage of households headed by a youth aged 15-29 (2006)	
Both sexes	12.6%
Males	13.5%
Females	2.9%

### Land Use and Agriculture

Palestinian Territory (PT) Area (Km <sup>2</sup> )	6,020
Area of PT by type of use (different reference periods)	
• Agricultural Land (2007)	42.5%
• Forest and Wooded Land (2007)	1.6%
• Palestinian Built-up Land (2007)	6.6%
Area of built-up land in Israeli settlements of the total area of the West Bank (August 2007)	4.1%
Cultivated area (Km <sup>2</sup> in 2007/2008)	1,853,951

### Education (2005/2006)

Illiteracy rate for persons 15 years and over (1 <sup>st</sup> quarter 2006)	6.7%
Illiteracy rate for persons 15-29 years (1 <sup>st</sup> quarter 2006)	0.8%
Number of schools	2,277
Number of school teachers	40,957
Number of school students	1,067,489
Students per class	34.4
Drop-out rate (schools 2004/2005)	1.0%
Repetition rate (schools 2004/2005)	1.5%

### Health (2003-2005)

No. of hospitals (2005)***	76
Doctors per 1000 population (2005) ***	1.6
Nurses per 1000 population (2005)	1.9

### Living Standards and Humanitarian Aid (2007)

Percentage of Households below poverty line	51.5%
(Income poverty 57.3, consumption poverty 34.5) in 2007	
Number of Individuals below the poverty line	2,155,423 (2007)
Percentage of households that lost more than half of their income during Al-Aqsa Intifada	51.6%
Percentage of households that indicated their need for assistance	67.0%
Average monthly per capita expenditure in the Palestinian Territory	95.4 JD (134 US)

### Labour Force (3<sup>rd</sup> quarter of 2009) – Males / Females

Labour Force participation rate	
Males	67.2%
Females	15.4%
Unemployment rate in PT	
Males	24.9%
Females	29.8%
Unemployment rate in West Bank	
Males	17.2%
Females	20.3%
Unemployment rate in Gaza Strip	
Males	40.0%
Females	54.7%
Average net daily wage of employees working in the PT (US\$)	
Males	22.2
Females	19.9
Percentage of working children (5-17 years) 2004	
Males	5.3%
Females	0.7%
Percentage of high school and university graduates, including vocational schools, aged 15 years and over (end 2005) – sex disaggregated data not available	14.5%
Percentage of high school and university graduates, including vocational schools, who participate in the labour force (end 2005) – sex disaggregated data not available	83.4%
Unemployment rate among high school and university graduates, including vocational schools (end 2005) – sex disaggregated data not available	25.4%

### Economics

GDP (2005) in million of US\$ at constant prices (RWB and GS)***	4,456.4
GDP per capita (2005) in US\$ at constant prices (RWB and GS)***	1,268.2
Imports (2004**million US\$)*	2,373.2
Exports (2004**million US\$)*	312.7

### Environment

Available quantities of water (2005** in mcm)	315.2
Households connected to the wastewater network (2006)	45.3%

RWB and GS = Remaining West Bank and Gaza Strip

\* RWB and GS at constant prices: 1997 is the base year: revised version

\*\* Primary data

\*\*\* Revised figures

Source: Palestinian Central Bureau of Statistics (<http://www.pcbs.gov.ps/>) – Revised by FAO when data was available from other UN sources

## 2 The challenges of youth employment in West Bank and Gaza Strip

The above mentioned situation and also the construction of the separation barrier, has prevented the free flow of Palestinian economic transaction and disrupted the predictability needed for orderly life. These constraints in WBGS have led to a number of key problems that affect the well-being of young boys and girls. These are:

- The lack of rural employment opportunities;
- High vulnerability for the youth facing increased frequency and intensity of the crises in the region; and
- The lack of appropriate agricultural training facilities for youth.

Food insecurity in households is increasing through reduced access to land, which places vulnerable children and youths at an even greater risk of food insecurity and lowers their access to nutritious food. It is therefore essential to increase investment in capacity building and agricultural knowledge so as to increase the income, supply of nutritious food and entrepreneurship skills of young people to counter shocks. One effective way of assisting vulnerable households is by empowering their youth. Youth can contribute significantly toward their own and their communities' economical and social development, if given the chance to be introduced to good agricultural and life practices and entrepreneurship skills through capacity building.

Objectives of a “youth lens” when applying a participatory policy framework in education and employment can be a sound education, labor market and social policies that target young people and pay more attention to gender inequalities in access to education and training.

Specific initiatives to increase and improve quantity and quality of jobs created for youth should be implemented. Moreover, a participatory policy framework should identify and implement with partners a series of collaborative youth employment initiatives.

The premises for an integrated participatory framework with a “youth lens” should be:

- Good governance in education and training for youth;
- Strategic vision for youth-oriented policy framework to promote active participation in economic life; and
- A participatory approach in implementation.

Youth employment policies should be integrated with other policies regarding youth such as educational, training and investment policies. Productively engaging youth is vital since young Palestinians comprise an estimated one million people – more than a quarter of the total WBGS population of 3.8 million.

Investing in Palestinian youth at this critical stage in order to facilitate the evolution of a Palestinian state is essential. Moreover, the development of a Palestinian youth workforce is one of the most important priorities and challenges in order to realize a good national development that will create a more peaceful Palestinian society that can encourage the promotion of a two-state solution.

Providing employment opportunities for vocationally trained youth will support younger Palestinians' civic contributions for promoting a Palestinian national development.

One of the main challenges for economic growth in Palestine is the settlement expansion, and movement and access restrictions related to Israeli security concerns, which have fragmented and disconnected the WBGS and the economy. Improving youths' skills and abilities in carrying out income generating activities in rural areas and to improve their capabilities to produce food is of vital importance in the implementation of sustainable agricultural and rural development programmes. Due to the unstable environment characterized by high unemployment and poverty rates, and severe constraints in movement and access due to closures, a substantial number of Palestinians consider migrating (either abroad or internally in the WBGS). Improving youth's skills has been recognized as a good response to the challenge of youth employment and a precondition for the eradication of poverty and for sustainable development. Failure to address these issues can have serious consequences not only for the individuals but also for the economy and the society.

### 3 The Junior Farmer Field and Life School (JFFLS) experience in Gaza and West Bank



Teamwork in the JFFLS in Tulkarem

The JFFLS<sup>10</sup> approach provides a unique learning methodology and curriculum, which combine both agricultural and life skills. It combines such curriculum with creative and expressive activities rooted in local culture. An innovative aspect of the JFFLS is the way youth are encouraged to develop as people; a school timetable includes cultural activities such as singing, dancing, and theatre. This allows the youth to develop confidence while keeping local cultural traditions alive.

The schools address a wide range of issues such as gender sensitivity, child protection, psycho-social support, nutrition, education and business skills. Experience has shown that the schools provide a safe social space for boys and girls, enabling them to develop their self-esteem and confidence.

The JFFLS programme was piloted by FAO in Mozambique in 2003-2004 and since then has been implemented in various countries: Burundi, Cameroon, DRC, Ghana, Gaza & West Bank, Kenya, Malawi, Namibia, Nepal, Rwanda, Sudan, Swaziland, Tanzania, Uganda, Zambia and Zimbabwe<sup>11</sup>.

The JFFLS in West Bank and Gaza Strip (WBGS) was initiated in 2008; the main goal of the approach in the specific WBGS context was to build local capacities to meet the development needs and priorities of Palestinian youth while responding to the need for sustainable environmental, economic and

social development. This innovative approach directly contributes to MDG 1<sup>12</sup> (eradicating extreme poverty and hunger), MDG 3 (promoting gender equality and empowering women) as well as MDG 8 (developing a global partnership for development - target 16, cooperation with developing countries to develop and implement strategies for decent and productive work for the youth) and indirectly to MDG 4 and 2 (reducing child mortality and achieving universal education) by improving the overall stability of a new Palestinian generation.

The objectives set during the pilot phase (2008-2009) were the following:

1. To empower vulnerable youth in the WBGS' most affected communities by providing them with knowledge of and access to good and sustainable agricultural practices and life skills;
2. To empower economically JFFLS graduates in the delivery sites with entrepreneurship skills;
3. To support women's cooperatives in delivering in-school feeding during JFFLS sessions and train them on the principles of good nutrition, health, entrepreneurship skills and on the fundamentals of the JFFLS approach.

A total number of 540 vulnerable rural youth were selected from 16 schools (6 boys' schools, 7 girls' schools and 3 mixed) throughout the WBGS (BOX2: JFFLS Mapping in WBGS). From the local communities where the schools were selected, 16 women's cooperatives officially registered at the Ministry of Women's Affairs (MoWA) located close to the schools also directly benefited from the programme through income generating activities. They were in charge of providing and distributing the meals for the youth during the JFFLS lessons. The schools were selected following the below criteria:

- Schools in rural or peripheral areas;
- Schools with a large proportion of students living in female-headed households<sup>13</sup>; and
- Schools where most of the students come from poor farming families affected by the conflict who have lost their productive assets and subsequently the means to support their livelihoods.

10 Getting Started! Running a Junior Farmer Field and Life School <http://www.fao.org/docrep/010/a1111e/a1111e00.htm>

11 Junior Farmer Field and Life Schools Inventory <ftp://ftp.fao.org/docrep/fao/012/ak595e/ak595e00.pdf>

12 <http://www.un.org/millenniumgoals/>

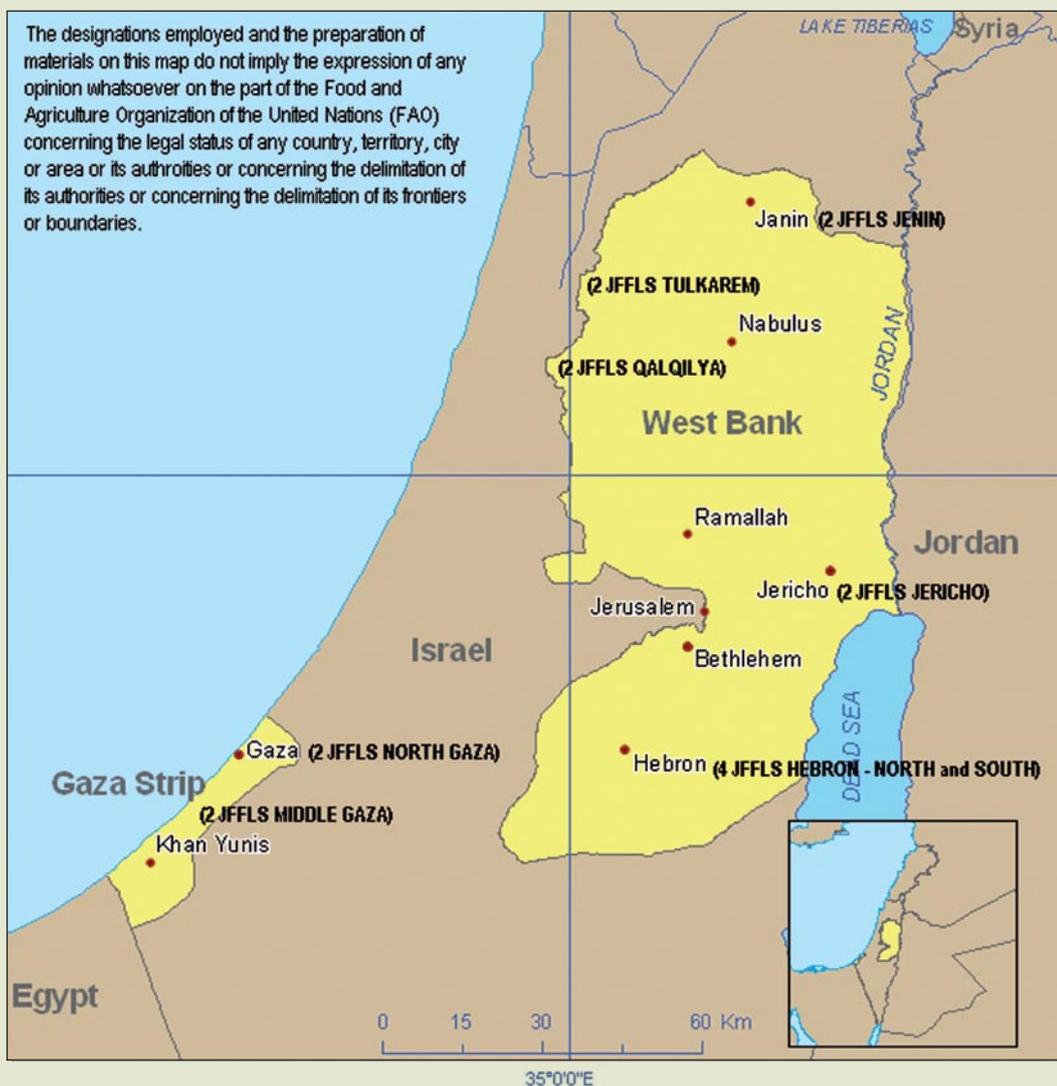
13 Researches from the Palestinian Ministry of Women's Affairs showed that female-headed households represent 9.5% of all households in Palestine and that 73% of them, live in extreme poverty, struggling to meet the basic needs of nutrition, housing and clothing.

After setting the parameters for the schools, facilitators, beneficiaries and women's associations, the selection and assessment of the schools started in August 2008 during a JFFLS technical backstopping mission from FAO HQ. The schools assessment was carried out by teams at FAO Coordination Office in Jerusalem and the FAO sub office in Gaza City in September 2008, in close consultation with the Ministry of Education and Higher Education (MoEHE), MoWA, youth clubs and the communities themselves. The project was in line with the MoEHE Educational Development Strategy Plan and the PDRP. Meetings with the MoEHE led to the signing

of a Memorandum of Understanding (MoU), signed in September 2008 by the MoEHE and FAO.

Selection of the future JFFLS facilitators was carried out soon thereafter. Two facilitators from each school were selected: one to work with children on **agro ecological knowledge and production skills** (i.e. extension worker or science teacher) and one to work on **life skills, children's potential, self-esteem and confidence, and gender equity issues**. Youths were selected in the schools in collaboration with school headmasters, facilitators selected, local leaders, women and men from the community and representatives of the nearby women's associations.

## BOX 2 JFFLS MAPPING IN WBGs 2008-2009



Thirty youths were selected from each school among those in the West Bank and 45 youths were chosen from each school selected in the Gaza Strip. A gender balance was maintained in the selection (15 girls, 15 boys where possible), making a total of 540 beneficiaries – 260 of which are girls and 280 boys. Selected youths resided nearby the schools in order to avoid traveling long distances.

Two trainings of facilitators (one for the West Bank and one for the Gaza Strip) were organized in October 2008. Twenty-four JFFLS facilitators and 2 Representatives from the MoEHE were trained in Jenin for the project in the West Bank and eight JFFLS facilitators and 1 Representative from the MoEHE were trained in Gaza. All selected teachers had a high educational knowledge level and an open mind for learning new skills, which turned out to be very successful. A refresher 3 days training-workshop for all the facilitators was organized mid-way through the programme in February 2009 in order to capture the progress made up to then and share the obstacles faced.

A seven months curriculum was developed specific to the contexts for the WBGS. Since JFFLS is an extra curriculum programme, the lessons for the youth took place twice a week after school hours for 2 to 3 hours each time. A baseline questionnaire was also developed, which participants were asked to complete 2-3 weeks after the start of the JFFLS lessons, then a second time directly after the end of the project. The final project evaluation started at the end of the school year, with a mission from a youth development expert from FAO's Gender, Equity and Rural Employment Division (ESWD) with involvement of staff from the FAO Coordination Office in Jerusalem and the FAO sub-offices in both Ramallah and Gaza City.



Training of facilitators

All the JFFLS schools planted and harvested all the variety of crops supplied by FAO and most of the youths added additional crops supplied by their own households and teachers to experiment new cultivations.

The successfully grown products were distributed to participants or used inside the schools during Open Days, which is a celebration day before the school year opens in the WBGS. Some products were sold, in line with one of the project's objectives, which aimed to teach students commercial awareness. The customers were teachers and parents mainly, and the money raised was retained by the schools to be used in further development activities for the youths, and to continue growing activities. Study tours for the students have also been organized to local farmers' cooperatives and agricultural colleges.



How to make a multi-storey garden



JFFLS in Hebron

## EXAMPLE OF JFFLS CURRICULUM DEVELOPED FOR WEST BANK AND GAZA

### AGRICULTURE SKILLS

### CORRESPONDING LIFE SKILLS

#### PLANNING AND PREPARING THEME

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Preparing cropping calendar</li> <li>• Importance and characteristics of soil conditions</li> <li>• Conditions for suitable irrigation</li> </ul> | <ul style="list-style-type: none"> <li>• Importance in setting goals</li> <li>• Identification for steps to reach those goals</li> <li>• Conditions needed for reaching those goals</li> </ul> |
|--|--|

#### CONDITIONS FOR DEVELOPMENT THEME

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Methods of sowing</li> <li>• Seeds preparation</li> <li>• Irrigations methods and quality of water</li> </ul> | <ul style="list-style-type: none"> <li>• Space for personal development</li> <li>• Need for individual space and advantages for being part of a group, self esteem and gender equality</li> <li>• Water, water in life, quality of drinking and water for sanitation</li> <li>• Balanced nutrition</li> </ul> |
|--|---|

#### GROWING UP HEALTHY THEME

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• What is an eco-system, how and why we should use the agro eco system analysis (AESAs)</li> <li>• Integrated pest management (IPM)</li> <li>• How to protect the crops</li> </ul> | <ul style="list-style-type: none"> <li>• Personal hygiene/sanitation</li> <li>• Prevention of diseases and threats</li> <li>• Importance of observation</li> <li>• Prevention instead of curing</li> <li>• Importance of keeping records</li> </ul> |
|---|---|

#### PROTECTION THEME

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Different pest diseases</li> <li>• Characteristics and how to manage them</li> <li>• Harvesting</li> </ul> | <ul style="list-style-type: none"> <li>• Protection in life</li> <li>• Threats in life and how to protect yourself</li> <li>• Working as a group and cooperation</li> </ul> |
|---|---|

#### ENTREPRENEURSHIP SKILLS THEME

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• When to harvest</li> <li>• how to store (place and conditions)</li> <li>• what to do with the harvest (eating, selling and processing)</li> <li>• Selling the harvest</li> </ul> | <ul style="list-style-type: none"> <li>• Agriculture as a business</li> <li>• Marketing (where and when to sell in order to obtain high profit – marketing strategies)</li> <li>• Business skills</li> <li>• Cost benefit analysis</li> </ul> |
|---|---|

#### RESPONSIBILITY THEME

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Environmental awareness</li> </ul> | <ul style="list-style-type: none"> <li>• Maintenance of public and private property</li> <li>• Responsibilities in life</li> <li>• Lessons learnt</li> </ul> |
|---|--|

## 4 The role of women and the role of the women's associations in WBGs



Women's associations food production activities

The level of participation of women in the economic activity of any country is an indicator of potential economic growth performance. The contribution of women to economy is an important factor in the increase of productive capacity

and the achievement of economic balance with regard to production and consumption. In addition, the participation of women and their contribution to the economic growth of their country empower them to become active participants in social, political and cultural life. However, the participation of Palestinian women in the economical development and growth in the Palestinian territories is much less than expected. Women in Palestine constitute about 60% of the total population and therefore a significant proportion of production capacity in local economies is non-performing. The contribution of women in Palestinian agriculture is significant, yet rarely recognized. Moreover, women are most vulnerable to poverty and discrimination due to their reduced level of income, social exclusion, their lack of professional skills and their limited access to and/or control over productive assets. This impact is most pronounced on female-headed households, who tend to suffer from poverty and food insecurity at a disproportionate level.



Aquaculture activities in Jericho's women cooperative



Kayrat Blady Marketing Exhibition in Gaza Strip

Women also take charge of many agricultural activities and carry out activities such as planting and preparing the land, and harvesting equally with men. Another female task tied closely to biodiversity is the collection of medicinal plants, which may be used for curing illnesses, in addition to other kinds of plants that have economic or industrial values while also serving as fodder and fuel or even as manure and pesticide. Therefore, they have extensive knowledge because the community's well-being depends on it, and the preservation of this knowledge is crucial for maintaining biodiversity. This acquired traditional ecological knowledge, which stems from generations living in close contact with nature, is mainly associated with women as they can easily transfer this knowledge to their children.

In respect of the JFFLS in WBGS, women's associations have been selected from the nearby JFFLS schools and were put in charge of the preparation and distribution of the meals to the students while attending the lessons. As mentioned before, the coordinators of the selected women's associations have been trained in the principles of good nutrition, health, entrepreneurship skills and on the fundamentals of the JFFLS approach.

FAO implements a number of other projects promoting gender equality among Palestinians by increasing the agricultural opportunities available to women, at the same time enabling the beneficiaries to secure income and improve food security for themselves and their families. Women's groups from these interventions attended trainings in food processing and preserving. As part of these on-going gender related activities, women's associations' marketing exhibitions called "Khayrat Blady" are regularly organized once a year both in Gaza and West Bank.

These exhibitions bring together all the associations involved in projects promoting backyard farming and cottage industry and also the women's associations involved in the feeding component of the JFFLS. The exhibitions not only provide a concrete marketing opportunity for them but also a chance to exchange ideas and skills among themselves and with the youth. Associations display and sell their goods including breads, vegetables, cakes, cheeses, embroidery work, handicrafts and jewellery, while the exhibitions are usually accompanied by music and traditional dances from local youth clubs.



Family garden in West Bank

## 5 Sustainability of the JFFLS in West Bank and Gaza through youth club associations



Bee hiving lesson in Hebron's youth club

A youth club is a place where young people can meet and enjoy different activities. Many are set up to provide young people<sup>14</sup> within an area designed to keep them off the streets, and help them occupy and stimulate their interests on different subject matters.

In Palestine there are two types of youth associations:

- *Governmental Youth Associations*: the Ministry of Youth and Sport (MoYS) is in charge of these governmental youth associations.
- *Non Governmental Youth Associations*: non-profit groups or associations organized outside of institutionalized political structures that realize particular social objectives and are not subject to government supervision, although subject to Government approval.

As the project was reaching the end of the school year in June 2009, the JFFLS groups formed were linked with existing Youth Clubs to ensure the continuation and sustainability of their existence. FAO approached the MoYS in order to partner with them for this specific activity and signed a MoU in July 2009. The MoYS' guiding principles are to consider youth as partners, rather than recipients of assistance, and

therefore aim at increasing youth's roles and responsibilities, with a strategy that emphasizes the importance of youth by sharing their problems, needs, aspirations and vision in the national policy making process. Strategic programs of MoYS include:

- Empowering Youth Clubs and other youth organizations;
- Career development (develop youth' competencies – with special focus on new graduates, helping them find jobs and compete in the local market);
- Developing adolescents' roles through sponsoring adolescent and youth groups;
- Encouraging and promoting youth participation in contributing to the change and development of their communities.

The visions of FAO and MoYS complement each other in the JFFLS as this approach contributes to improving youths' skills and abilities in carrying out income generating activities in rural areas and enhancing their capabilities to produce food which is of vital importance in the implementation of sustainable agricultural and rural development programmes.

MoYS is developing youth centers and youth NGOs to reach its strategic objectives and organizes summer camps to empower youth in life skills and management skills through the summer camps activities. FAO and MoYS share the same commitment to empower the youth in the most vulnerable communities and FAO uses its expertise by promoting agricultural and livestock activities (horticulture, small livestock, and beekeeping) in the selected Youth Clubs.

In the areas where the JFFLS were implemented and youth clubs from the MoYS were not of easy reach for the students, FAO, entered in partnership with the Youth Development Association (YDA) through a MoU. The YDA also aims at raising youth' roles and responsibilities and its strategy also gives emphasis on the importance of youth by sharing their problems, needs, aspirations and visions in the process of rehabilitation and building of a prosperous society.

<sup>14</sup> The United Nations, for statistical purposes, defines 'youth', as those persons between the ages of 15 and 24 years [Definition made during preparations for the International Youth Year (1985), and endorsed by the General Assembly (see A/36/215 and resolution 36/28, 1981).

Strategic programmes of YDA are:

- Youth Capacity Building Programmes;
- Unemployed Youth Rehabilitation and Employment Programmes;
- Voluntary Work Promotion Programmes;
- International Youth Exchange Programmes;
- Childhood Programmes;
- Advocacy and Lobbying Programmes.

FAO and YDA are committed to the same principle of empowering the youth in the most vulnerable rural communities and linked the below JFFLS schools to their youth clubs.

A successful example of this innovative mechanism of grouping the youth in the youth clubs or youth components of farmers' cooperatives comes from the West Bank in the Hebron district. The JFFLS graduates from Hebron were grouped in the youth wing of the Al-Shiva Hive Cooperative Society; the students were trained in beekeeping, bee hiving and honey processing twice a week in the afternoons after school hours. They were given a full membership with the Al-Shiva Hive Cooperative Society and are already getting their share of the profits.



Horticulture lesson in green houses in Bani Neam's youth club

#### JFFLS INTEGRATED IN YOUTH CLUBS BY THE MINISTRY OF YOUTH AND SPORT

Location	School	Youth Club	Activity
Jericho	Zart Almaden (boys school)	Aqbet Jaber Youth Club	Marketing skills
Qalqela/Kofr Laqef	Kofr Laqef (mixed school)	Kofr Laqef Centre	Cultivation of thyme and processing
North Hebron (Bani Neam)	Alkandy (boys school)	Bani Neam Women Centre	Greenhouses cultivation of vegetables and beekeeping
South Hebron/Almajed	Almajed (boys school)	Almajed women association	Beekeeping
Hebron/Krasa	Krasa (girls school)	Al-Shiva Hive cooperative society	Beekeeping

#### JFFLS INTEGRATED IN YOUTH CLUBS BY THE YOUTH DEVELOPMENT ASSOCIATION

Location	School	Youth Club	Activity
Jenin/Selat alhartheh	Abdallah Azam (boys school)	Selat Alhartha Club	Sheep and cultivation two Dunum Thyme
Tulkarem /Sayda	Sayda (girls school)	Sayda Youth Club	Sheep and cultivation two Dunum Thyme
Tulkarem/Der Alghsoon	Der Alghsoon (boys school)	Der Alghsoon Youth Club	Sheep and cultivation two Dunum Thyme

## 6 Evaluation of the pilot phase 2008-2009 (main findings)



Focus group discussion with youths in the Gaza Strip

The project evaluation took place between May and June 2009 both in West Bank and Gaza. A snapshot impact assessment was carried out with the JFFLS headmasters, facilitators, women's associations and students in order to capture all the lessons learned after this initial phase. The rapid appraisal method was done using key informant interviews, focus group discussion, direct observation and questionnaire survey.

### I. Major elements and degrees of relevance (both WBGs)<sup>15</sup>

- *very good* convergence of JFFLS activities with programme's key result-areas;
- *very good* degree of general satisfaction of beneficiaries and stakeholders;
- *very good* convergence with country's strategic objectives.

### II. Major elements and degrees of immediate changes/element of impact (both WBGs)

- *very good* general improvement and change in the attitudes of JFFLS participants;
- *very good* evidence of improvement in knowledge and skills;
- *very good* demand for JFFLS up-scaling;
- *very good* community interest and participation.

The Focus Group Discussions (FGDs) carried out during the evaluation confirmed the following:

- JFFLS students learned about different types of crops;
- Students monitored attentively the crop growing process;
- Students knew how to set up a multi-storey kitchen garden<sup>16</sup> (MSKG) and are aware of the benefits (source of production of vegetables and possible income);
- They can identify pests and insects and also know how to protect the crops from them;
- Many of the youth enrolled in the JFFLS at the end of the cycle, expressed their wish to enroll in further education and study agriculture (enhancement of education/training);
- As reported by the schools' headmasters and teachers, the youth enrolled in the JFFLS after the 8 months cycle did sit the exams and exit them with better results of others not enrolled;
- Overall, students are more confident and have hope for the future;
- Evaluations done by the MoEHE on the extra curriculum programmes in Palestine showed that in the school year 2008-2009, the JFFLS was one of the most successful ones;
- The partnership with MoEHE can potentially lead in the near future to a revision of the national curriculum and the inclusion of agricultural activities in it;
- The link of the JFFLS to the youth clubs of MoYS and YDA is key for the continuation and sustainability of the activities.

<sup>15</sup> Poor/Fair/Good/Very Good

<sup>16</sup> In all the schools both in Gaza and West Bank the technique of producing vegetables by using a sack garden was also introduced, this technique has the advantage of allowing to crop without land, also has an easy management of water resources and was easy for the students to replicate at home.

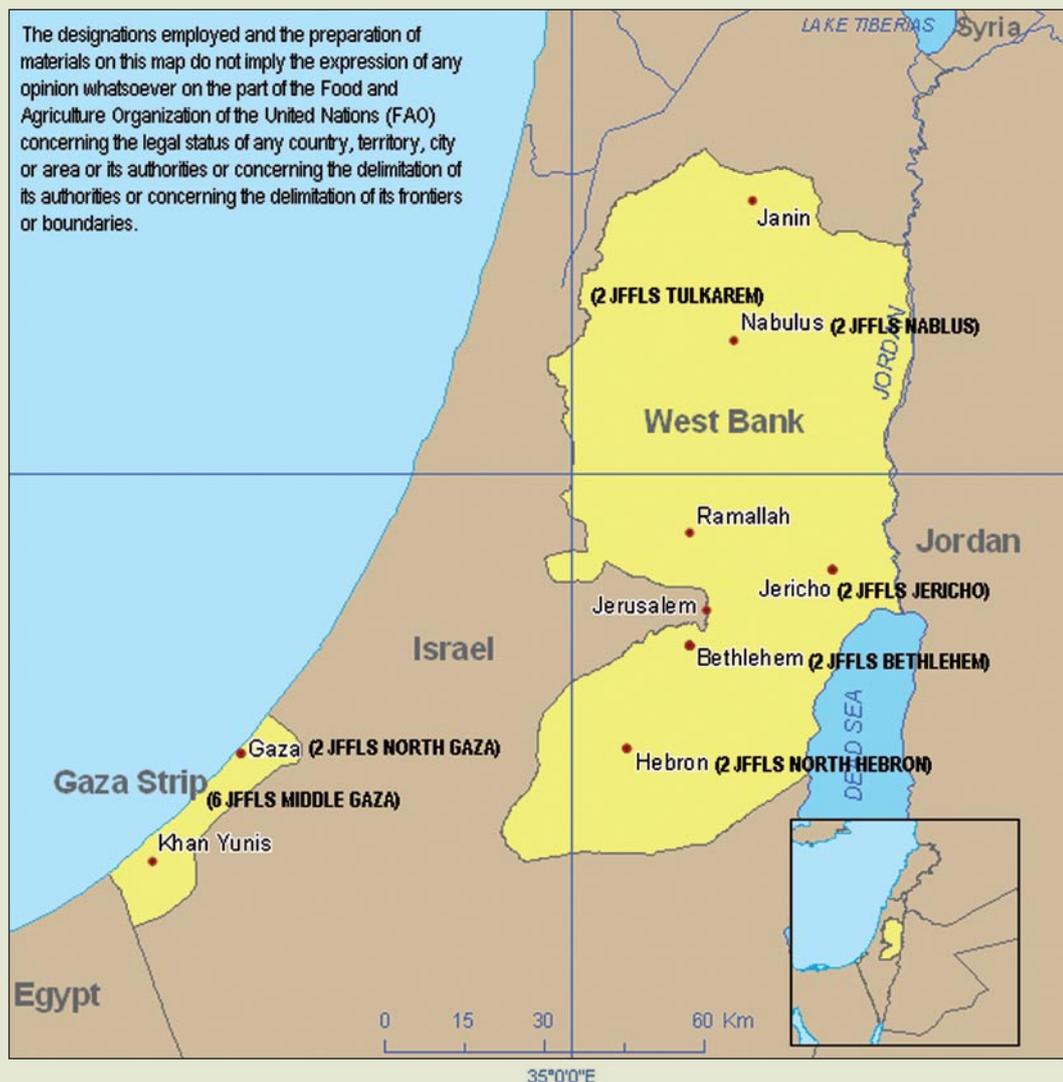
## 7 The JFFLS 2009-2010 school year

In phase II, 620 vulnerable rural youth will directly benefit from a total of 18 selected schools (gender equity will be ensured as in the past while selecting the schools and the beneficiaries) throughout the WB (Bethlehem, Tulkarem, North Hebron and Nablus) and GS (Box 3 JFFLS mapping in WBS 2009-2010).

The schools selection will follow the usual criteria with one additional inclusion, as requested by the MoEHE, that the selected schools will also be near

the vocational training centres run by the MoEHE itself and this will enhance further the vocational training education of the enrolled youths. A new collaboration with the United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA) has started specifically for the JFFLS and 4 UNRWA schools were selected in the Middle Gaza Area in order to broaden the approach also to refugee camps' youths.

### BOX 3 JFFLS MAPPING IN WBS 2009-2010



## 8 Conclusions



Working in groups in the JFFLS in West Bank

The JFFLS approach in WBGs developed two innovative mechanisms that are key for its sustainability. One was the delivery of food to the JFFLS students by local women's associations; this

resulted in having a wider impact at community level and also initiated income generating activities using small grants. The other main innovation was the systematic enrolment at the end of the 7 months JFFLS cycle of all the youth beneficiaries in local youth associations.

The strong partnerships with MoEHE, MoYS and YDA are crucial for FAO's role in strengthening the capacities of the Ministries and civil society and fundamental for the main goal of the JFFLS approach which is its adequate institutionalization. The inclusion of agricultural lessons in the MoEHE national curriculum is still under discussion but very much welcomed by the Ministry, while the inclusion of agricultural lessons in the MoYS's youth clubs has been piloted through FAO's intervention in the region and in consequence of the enrolment of the JFFLS youths in their clubs.

UNRWA's partnership in the Gaza Strip has also allowed FAO to widen the selection of beneficiaries to particularly vulnerable youths living in the refugee camps.



Coordinators, facilitators and youths sharing meals in JFFLS in West Bank

## 9 Recommendations



Games activities in the JFFLS West Bank

- Link the JFFLS students with youth clubs or women's association by supporting them with small agriculture projects to increase the sustainability of the project and give chances for other members to benefit from the skills which the students gained from the project.
  - Include the agricultural lessons from the JFFLS in the MoEHE national curriculum and agricultural activities in the MoYS's youth clubs.
  - Publish a guidebook used as a reference for the schools using the evaluation questionnaire (at the beginning and end of the programme) and facilitator's monthly report to identify strengths and weaknesses in the ongoing 2009-2010 project.
  - Increase the number of JFFLS schools in other localities to benefit from the curriculum and promote relationships between the schools and communities.
- Continue promoting the success of JFFLS for Palestinian youth within the PA-line ministries, UN agencies, local and international NGOs, CBOs, and schools.



JFFLS graduation day in Gaza Strip

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## Resources and further reading

### ***Getting Started! Running a Junior Farmer Field and Life School***

The manual provides details for staff of ministries and non-governmental organizations on how to set-up, operate and sustain a field school; the manual is based on the experience of people working with rural vulnerable youth. It is generic and can be used in different regions of the world. (Various authors, FAO 2007)

(English) <http://www.fao.org/docrep/010/a1111e/a1111e00.htm>

(French) <http://www.fao.org/docrep/011/a1111f/a1111f00.htm>

### ***Sharing Junior Farmer Field and Life School experiences, challenges and innovations***

The report documents some of the Junior Farmer Field and Life Schools experiences and allows to reflect on approaches used in the various countries. (Patricia Colbert, Una C. Murray, Francesca Dalla Valle, Paolo Israel, FAO 2008)

(English) <http://www.fao.org/docrep/011/i0379e/i0379e00.htm>

### ***Junior Farmer Field and Life Schools Inventory***

The inventory provides an overview of the implementation of the JFFLS from 2004 to 2009 country by country. (Francesca Dalla Valle, FAO 2009)  
(English) <ftp://ftp.fao.org/docrep/fao/012/ak595e/ak595e00.pdf>

### ***Gender in Agriculture Sourcebook – JFFLS in Module 7***

Module 7 is specific on gender in agriculture innovation and education.  
(Various authors, for Module 7 – Innovative Activity Profile 3 – Francesca Dalla Valle, Carol Djeddah, Patricia Colbert, World Bank, IFAD and FAO 2009) (English – full publication)  
<http://worldbank.org/genderinag>

### ***Food security assessment West Bank and Gaza Strip***

The report was requested by the Ministry of Agriculture of the Palestinian Authority (PA) to assist the PA and relevant stakeholders to better design, target and implement future development programmes and relief interventions for improving food security and nutrition as well as to provide inputs for the development of a national food security strategy (FAO, WFP, UNRWA 2003) (English)  
<http://www.fao.org/docrep/006/J1575E/J1575E00.HTM>

### ***Joint rapid food security survey in the OPT***

FAO, WFP and UNRWA commissioned the services of Al-Sahel Company for Institutional Development and Communications (Al-Sahel) to conduct a household-level survey and a qualitative socio-economic assessment of the population in order to gauge the main food security indicators (FAO/WFP/UNRWA, 2008)  
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### ***International Standard Classification of Education (ISCED)***

ISCED97 is comprised of standard concepts, definitions and classifications that provide a framework for the compilation and presentation of international education statistics and indicators (UNESCO, 1997)  
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### ***Palestinian economic prospects: aid, access and reform (World Bank, 2008)***

<http://siteresources.worldbank.org/INTWESTBANKGAZA/Resources/AHLCReportSept.08final.pdf>

### ***Socio-economic report 2009 for the occupied Palestinian territories (UNSCO)***

<http://www.unsco.org/Documents/Special/UNSCO-socioeconomicReport-November%202009.pdf>

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Food and Agriculture Organization of the United Nations (FAO) <http://www.fao.org/>

FAO Best practices [http://www.fao.org/bestpractices/content/11/11\\_04\\_en.htm](http://www.fao.org/bestpractices/content/11/11_04_en.htm)

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Palestinian Authority Ministry of Agriculture <http://www.moa.gov.ps/en/index.html>

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Sharek Youth Forum Palestine <http://www.sharek.ps/>

United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA) <http://www.un.org/unrwa/>

Office of United Nations Special Coordinator for the Middle East Peace Process (UNSCO) <http://www.unsco.org/Default.asp>



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ISBN 978-92-5-106513-6



11450E/1/03.10/1