الأتيلا الإجتماعي-الاقتصادي والأمن الغذائي
للأراضي الفلسطينية المحتلة
Socio-Economic and Food Security Atlas
In the Occupied Palestinian Territory (oPT)
اجتماع اللجنة الاستشارية
Project Advisory Committee Meeting
19/02/2009
The Socio-economic and Food Security Atlas in the oPT (SE-FSA) is a joint project for the World Food Programme (WFP) and the Applied Research Institute-Jerusalem (ARIJ) to build capacity in developing a Food Security Support Decision System (FSSDS) in the oPT in cooperation with all possible stakeholders.

The SE-FSA will provide a systematic spatial analysis of the demography, socio-economic, education, Agriculture, environmental and water, food security, nutrition, and health datasets in the (oPT): (maps, text, analysis)

The project is designed to accomplish its objectives within one year (End July 2009)
Socio-economic and Food Security Atlas will serve the following main goals

- To create an updated food security information system that can update it on regular basis.
- To provide comprehensive food security data sets including information on the West Bank and Gaza Strip Governorates level.
- To map out the collected information in all fields and production of SE-FS Atlas for oPT.
SE-FSA Project Accomplished Activities

At the moment, the SE-FSA staff have finalized several project activities including the following:

- Identify an initial set of relevant key indicators, based on the available datasets according to MDGs (Millennium Development Goals) and Palestinian standards and with ARIJ and WFP technical guidance; filled into indicators identification sheet.

- Develop Indicators’ Definition sheet and Indicators’ Database based on both Excel and Access software.

- Develop a series of data sets about demography, socio-economy, agriculture, environment and water, health, nutrition, and food security indicators.
Review and assess the available primary and secondary data from the official bodies and other periodic data sources.

Conduct brainstorming sessions for planners and stakeholders and create a Project Advisory Committee (PAC) with the participation of all stakeholders.

Adopt PAC members’ comments and feed back in finalization of relevant indicators.

Conduct data entry, and analysis for several sectors including: Demography, Socio-economy, Agriculture, Biodiversity, and Nutrition.
SE-FSA Project Accomplished Activities

- Identify data trends, gaps and challenges of indicators’ data collection.
- Analyze data spatially using Arc GIS 9.2 and map production for the different SE-FSA sectors including Demography, socio-economy and Agriculture sectors.
- Develop SE-FSA Web page design and technicalities of linking the web with GIS production.
Challenges and Gaps

- Continuous changes on SE-FSA sectors, indicators and maps took place as a response to:
  1. Gaza Strip crisis that took place in December 08 / January 09,
  2. Drought as a natural crisis
  3. Outcomes of the SE-FSA Stakeholders’ Workshop held on the 13th of October 08,

- Data periodicity and availability is of main challenges confronting the production of Atlas including:
  1. Data updates for the year 2008.
  2. Data availability on Governorate level.
Total number of indicators is 175 indicators and 195 sub-indicators as following:

- **Demography**: 9 indicators and 18 sub-indicators.
- **Socio-Economic**: 24 indicators and 28 sub-indicators.
- **Education**: 14 indicators and 28 sub-indicators.
- **Agriculture**: 26 indicators and 56 sub-indicators.
- **Environment and Water**: 37 indicators and 26 sub-indicators.
- **Food Security**: 9 indicators and 4 sub-indicators.
- **Nutrition**: 17 indicators and 6 sub-indicators.
- **Health**: 15 indicators and 6 sub-indicators
- **Attack on Gaza Strip**: 23 indicators and 23 indicators (*The impact of Israeli attack and imposed siege on Gaza Strip will be included in aforementioned sections, based on the PAC recommendation*)

*(Since the SE-FSA workshop held on the 13th of October 08, the indicators increased by 60 indicator, 90 sub-indicators)*
MAP production and templates

Atlas production:
- The Atlas is going to be divided into nine chapters, each chapter covers one sector, as following: **Demography; Socio-Economic; Education; Agriculture; Environment and Water; Food Security; Nutrition; Health; and Attack on Gaza Strip.**
- An analysis section will be added before each chapter discussing the outcomes of the data expressed as maps covering each sector.
- Data included in the maps will be referenced.

Map templates
- The data sets of the selected indicators for map production of the different sectors are entered into a geo-database using Access software as a requirement to build on the GIS map templates.
- The maps will have different map templates based on type and structure of the data sets that are going to be presented in the maps, for example some data will be expressed as charts (numbers or percentages), others as tables, spatial layers, and isohyets.
- An example is as following.
Unemployment and Poverty Rates in the West Bank and Gaza Strip Governorates in Selected Years
Agriculture

Cultivated area, production, and value added of Plant sector in the West Bank and Gaza Strip Governorates, 2006/2007

 المساحة المزروعة، الإنتاج والقيمة المضافة لقطاع الإنتاج النباتي في الضفة الغربية وقطاع غزة بحسب المحافظات، 2006/2007
Next steps (Plan of action)

- Finalize the data entry for all presented indicators into excel database sheet.
- Finalize entering data to access sheets as a step for map production.
- Fill in the gaps with support of WFP surveys, ARIJ information and PAC members cooperation.
- Map production for remaining SE-FSA sectors.
Next steps (Plan of action)

- Finalize develop a website for on-line sharing of the Food Security Atlas. Produce a draft of SE-FSA Atlas.

- Conduct another PAC meeting to present the final outputs of the SE-FSA project before conducting the final workshop and printing the Atlas.

- Review the outcomes based on the PAC meeting recommendations.

- Conduct a workshop for decision-makers, planners and stakeholders in food security to present the food security website and the developed Atlas.

- Produce soft and hard copy of the Atlas.

- Disseminate ES-FSA outputs in the form of a database, website, Atlas CDs and hard copies.
PROJECT OUTPUTS

1. **Database:**
   As web based data-entry. The database on-line sharing of the Socio-economic and Food Security Atlas WFP ownership. The database information will be updated by WFP every 6-12 months and the updated maps will be available in PDF format.

2. **SE-FS Atlas:**
   Hard copy of Socio-economic and Food Security Atlas (SE-FSA) including maps and text analysis over a trend of years with a total number of 500 copies, each of 80 pages of maps illustrating food security indicators at governorate level or district, cluster, village whenever available.

3. **CDs:**
   Soft copy of Socio-economic and Food Security Atlas (SE-FSA) with a total number of 80 copies.

4. **Website:**
   For on-line sharing of the Socio-economic and Food Security Atlas WFP ownership VAM SIE Spatial Information Environment (Web – Spatial Information portal)
The project proposed Website

Socio-Economic and Food Security

Project Description:
The Socio-economic and Food Security Atlas (SE-Atlas) is a joint project for the World Food Programme (WFP) and the Applied Research Institute-Jerusalem (ARIJ) to develop a Food Security Decision Support System (FSDSS) in the OPT in cooperation with all potential stakeholders. The SE-FS Atlas will provide a systematic spatial analysis of the demography, socio-economic, education, agriculture, environmental and water, food security, nutrition, and health sectors in the OPT, West Bank and Gaza Strip at Governorate level for the Atlas production.

Outcomes:
Database: As a web-based data entry, the database Socio-economic and Food Security Atlas will be accessible online and updated every 6-12 months.

SE-FS Atlas: Hard copy of Socio-economic and Food Security Atlas (SE-FS Atlas) including maps and text analysis over a trend of years with a total number of 500 copies, each of 80 pages of maps illustrating food security indicators at Governorate level, district, village where available.

CDs: Soft copy of Socio-economic and Food Security Atlas (SE-FS Atlas) with a total number of 80 copies.

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