



# Food and Agriculture Organization of the United Nations





**The purpose of the 2030 Agenda is summarised with three key words and the four betters: “Transforming our world” by:  
Better production, Better nutrition, Better environment and a Better life for the future**



- Provide policy advice to countries
- lead the development of the field programme;
- support capacity building
- in the formulation and implementation of policies, strategies and (Policy Assistance Division): increase the synergy between the normative work
- Advisory services to countries relates to reviewing and updating national strategy and policy frameworks and ensuring coherence with other major instruments



**Priority 1:** Disaster preparedness and response in the agricultural sector

**Priority 2:** Sustainable development and use of natural resources, including water, land, range and forests

**Priority 3:** Resilience of rural and peri-urban livelihoods

**Priority 4:** Competitiveness of agricultural products in domestic and export markets for inclusive growth and employment



## In Jordan

- Development for Jordan National Forest Policy- Agri Policy
- Developing The national Food Security and Nutrition Strategy in Jordan
- Food Systems Summit Dialogue
- Development of the Aquaculture strategy



## Examples:

- Improving Rural Livelihoods and the Environment Through the Integral Utilization of Residues of Treated Waste Water and Organic Solid Waste for the Production of Renewable Energy and Compost in Mafraq Governorate of Jordan
- generating renewable energy through adoption of sustainable “waste to energy” and “waste to compost” labor intensive processes and the reduction of greenhouse gas emissions, costs of solid and liquid waste disposal in Zaatari municipality/Refugees camp, and generation of green job opportunities





## Improving Rural Livelihoods and the Environment Through the Integral Utilization of Residues of Treated Waste Water and Organic Solid Waste for the Production of Renewable Energy and Compost in Mafraq Governorate of Jordan

### Output 1: Renewable energy generation

- 1,107,250 Kg of total sorted waste in year 2020
- 308,192 Kg of extracted organic solid waste
- 24,079 Kg of extracted recyclable/reusable materials handed to Oxfam for processing
- 51 kWh of electricity generated daily by the Biogas Pilot Unit
- 1 biogas pilot unit producing 7000m<sup>3</sup> of biogas

### Output 2: Green jobs creation

- 60 households benefiting from regular monthly income
- %51 of the offered green jobs were given to females



### Output 3: Compost production

- 682 MT harvested from the flow camp – landfill
- USD 21,161 in transport cost savings in year 2020
- 80.7 MT of organic compost produced yearly
- 1.244 tons of CO<sub>2</sub>\_eq ghg emissions reduced yearly

### Output 4: Refugees training and employment

- 98 engineers, students and researchers trained on compost and biogas technology
- 1 policy paper on bio solid recycle
- 3 researches with NARC on compost use in agriculture
- 1 cost benefit analysis
- Technical design of a full size biogas plant for zaatari





## **REDUCE VULNERABILITY IN JORDAN IN THE CONTEXT OF WATER SCARCITY AND INCREASING FOOD/ENERGY DEMAND**

to enhance the resilience and reduce the vulnerability of rural Jordanian communities within the context of water scarcity for agricultural activities, the high demand for energy, and the growing demand for food and livelihoods as population growth continues





REDUCE VULNERABILITY IN JORDAN IN THE CONTEXT OF WATER SCARCITY AND INCREASING FOOD/ENERGY DEMAND

**Output 1:** a fully developed and operational pilot area of water harvesting with conjunctive groundwater use and solar power for lifting irrigation water

**Output 2:** strengthening national capacities to adopt, operate and maintain the proposed 3 pronged approach an established community of practice

**Output 3:** preparation of appropriate long term policy, regulatory and institutional frameworks to facilitate the adoption and scale up of the 3 pronged approach and integrate it within national food-, water- and energy related policies/strategies and programmes

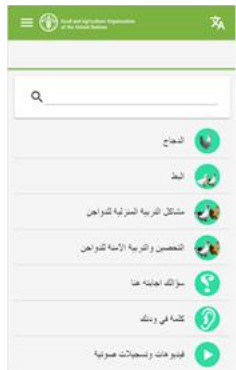
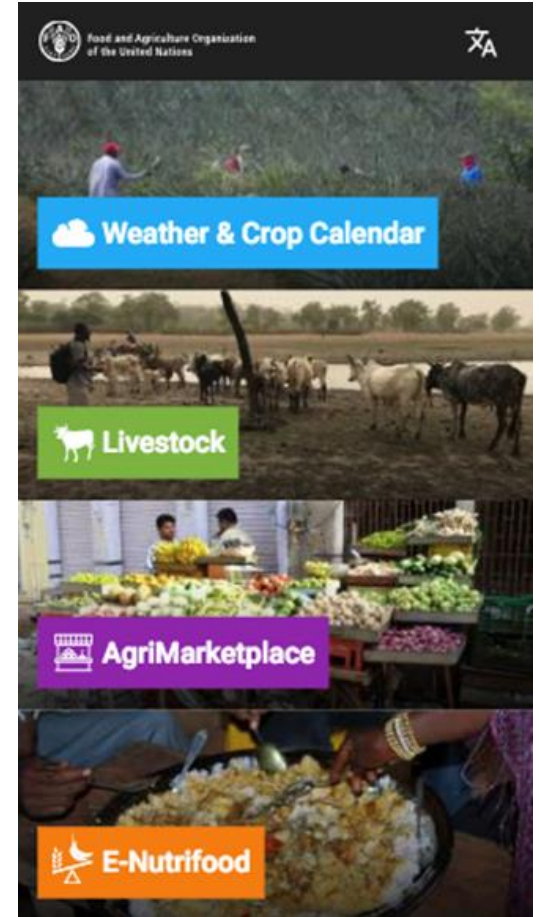
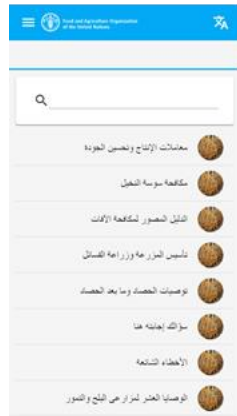
- A 100.98 kilowatt solar irrigation system was designed to irrigate two project areas
- Water Users Association (WUA)



## **Pluralistic Market Oriented Services (PMOS)**

to assess the status and role of PMO-EAS in enhancing agriculture-based livelihoods and reducing rural poverty and food insecurity in Jordan

## Development of digital technology transfer tools to foster climate and shock resilient agriculture in Jordan in the context of COVID-19





# Enhancing resilient livelihoods and food security of host communities and Syrian refugees in Jordan and Lebanon through the promotion of sustainable agricultural development





## Implementing the 2030 Agenda for water efficiency/productivity and water sustainability in Near East and North Africa countries





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THANK YOU