



# Food Security Sector Working Group Meeting

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**14/03/2017**

***World Food Programme Office***



# Agenda



1. Agrytech presentation
  2. WFP: School Feeding/Nutrition Platform and Updates on Food assistance
  3. Recovery Context Analysis Study
  4. Updates on agriculture livelihoods reporting
  5. AOB
-



# AGRYTECH

**Berytech**  
The Ecosystem  
for Entrepreneurs

Accredited as



Kingdom of the Netherlands

# Agrytech

Agri-food Innovation Hub





Agri-food Innovation Hub

# Launching of Lebanon's Smart Agri-Food Innovation Hub



# Outline: Overview

- **Global Status**
- **Why Agrytech?**
- **Objectives**
- **Pillars**
- **Beneficiaries**



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CONSUMER

# Global Status & Food Security

- Although sizable productivity improvements over the past 50 years have enabled an abundant food supply in many parts of the world, feeding the global population has reemerged as a critical issue.
- by 2050, caloric demand will **increase by 70%**, and crop demand for human consumption and animal feed will **increase by at least 100%**.
- Amore resource constraints will emerge: for example, **40% of water demand in 2030 is unlikely to be met**. Already, **more than 20 percent of arable land is degraded**.



# Turning Challenges Into Opportunities

## CHALLENGES

- **Global Food Security Problems**, major challenges in the MENA Region
- **Brain-Drain** of graduates & **High unemployment rate** for educated youth
- **Poor practices** and Low productivity
- **Lack of innovation** in the sector

## OPPORTUNITIES

- **Strong Human Capital**
  - Excellence in STEM education
  - Strong Diaspora
- **Striving Entrepreneurial Ecosystem**
- **Dutch Expertise**
- **MENA Market**



INPUT



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CONSUMER



# Overall Objective:

**Creating opportunities for the youth, through accelerating job creation and stimulating competitiveness from Lebanon through leveraging and developing capacities of local SMEs and Startups**

## How:

*By providing support to **innovate a smarter Agri-Food Sector** in the MENA region and **support export** within MENA and the EU **using linkages** from leading innovation organizations **from the Netherlands**.*



# Three Main Pillars

## **ACCELERATOR**

Advancing ideas  
into successful  
businesses

## **CLUSTER**

Empowering a  
smart Agri-Food  
Community

## **RESOURCES**

Sharing business &  
industry knowledge

## **CULTIVATING INNOVATIVE STARTUPS**

TO TURN AGRI-FOOD CHALLENGES INTO BUSINESS OPPORTUNITIES

# Direct Beneficiaries

- **University Graduates & Professionals** in
  - Engineering
  - Agriculture
  - Food Technology
  - Technology
  - Business
- **SMEs** that are innovative **in the Smart Agri-Food Sector**
  - As members of the **cluster**
  - As members of the **accelerator** if they want to create a Spin-Off



# Indirect Beneficiaries

- **Agri-Food Businesses across the Value Chain** if they participate:
  - in leading a challenge
  - as testers of the solution
  - As early adopters of the solutions created
- **University & Research Institutions:**
  - in commercializing their innovations
  - in providing technical expertise
  - in sending students for internships with these startups
- **International and National Non-Governmental Organizations :**
  - in leading a challenge
  - As early adopters of the solutions created
  - As Promoters amidst youth and beneficiaries' communities
- **Investors & VCs**
  - In investing in supported startups



# Who can apply?

**Startups** and **SMEs** at the idea and early stage with solutions in



Robotics



Remote Sensing



Automation



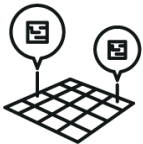
E-commerce



Traceability



Big Data



Artificial Intelligence



Sensors



IOT



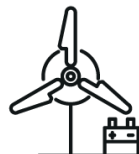
Internet



Logistics



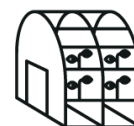
Drones



Energy Efficiency



Payments



Urban Agriculture



Supply Chain

[ the above is a **NON EXHAUSTIVE** List ]

# ACCELERATOR PROGRAM

**Agrytech**  
Agri-food Innovation Hub

- **Selection Process**
- **Intervention Support**
- **Cash injection**
- **Benefits**



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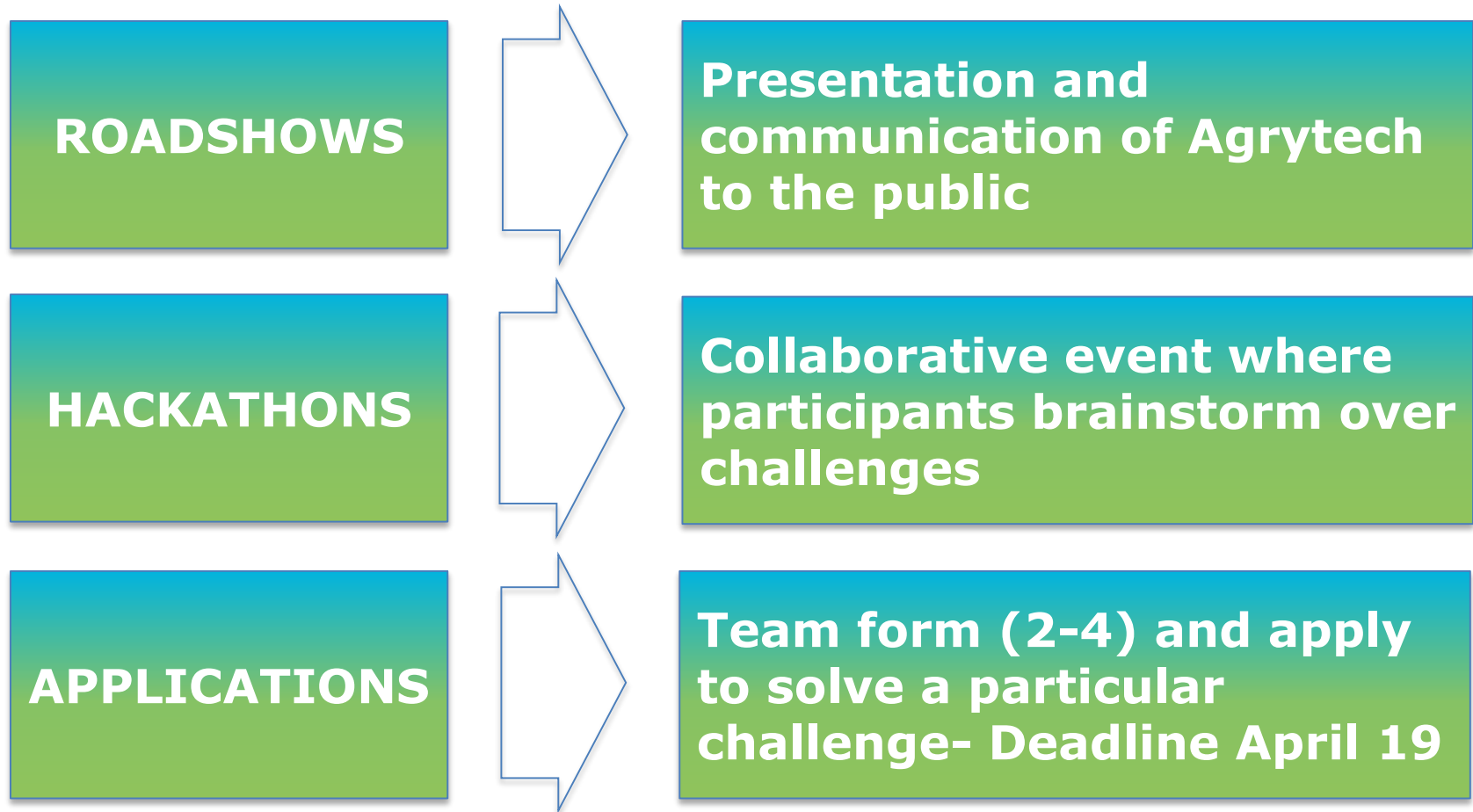


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CONSUMER

# Outreaching for Innovators



**STARTUP  
FUNDING**



**PROTOTYPING  
FACILITIES**



**BUSINESS  
COACHING**



**CUSTOMER  
ACCESS**



**INDUSTRY  
CONNECTIONS**



**FOLLOW-ON  
MENTORING**

# Channeling Applications

## **Applying Directly On website**

[www.agrytech.org](http://www.agrytech.org)

## **Participating in Hackathon**

<http://agrytech.org/hackathon>

## **One-On-One Meeting**

Addressing Queries  
on the idea prior to  
application

**All innovative ideas are welcome! Palestinian and Syrian Residents in Lebanon are encouraged to apply!**



# ACCELERATOR Program



STARTUP  
FUNDING



PROTOTYPING  
FACILITIES



BUSINESS  
COACHING



CUSTOMER  
ACCESS

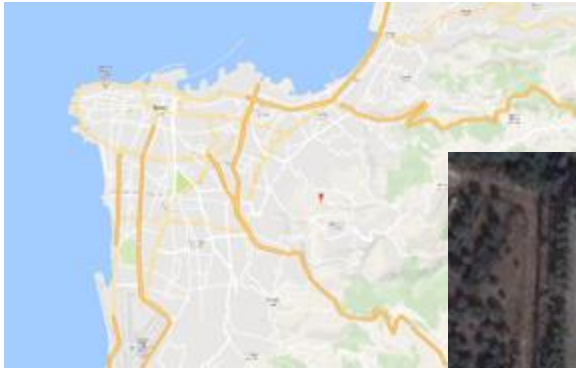


INDUSTRY  
CONNECTIONS



FOLLOW-ON  
MENTORING

# ACCELERATOR Location



# RESOURCES PLATFORM

- Information sharing portal

[www.agrytech.org](http://www.agrytech.org)



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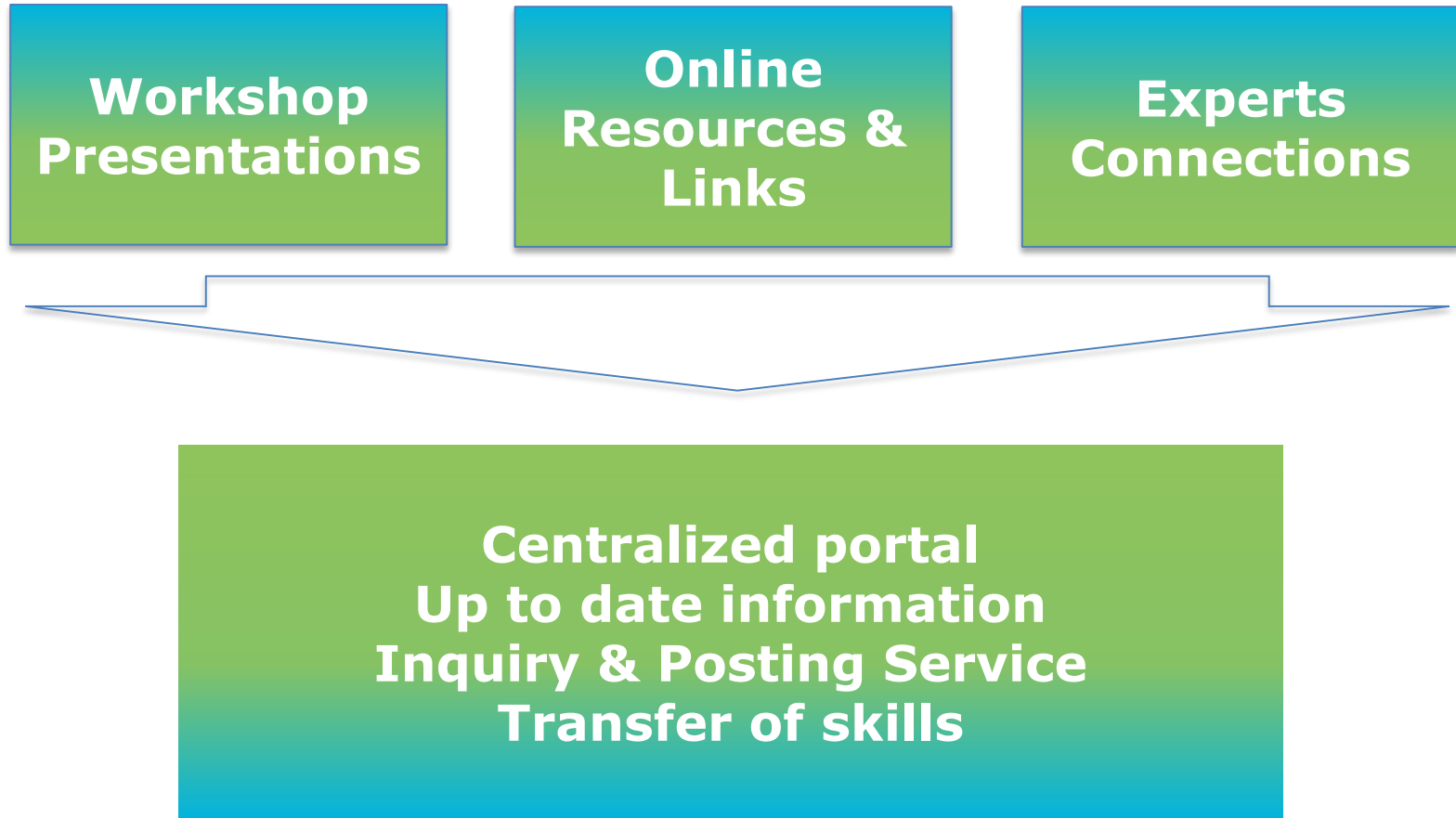


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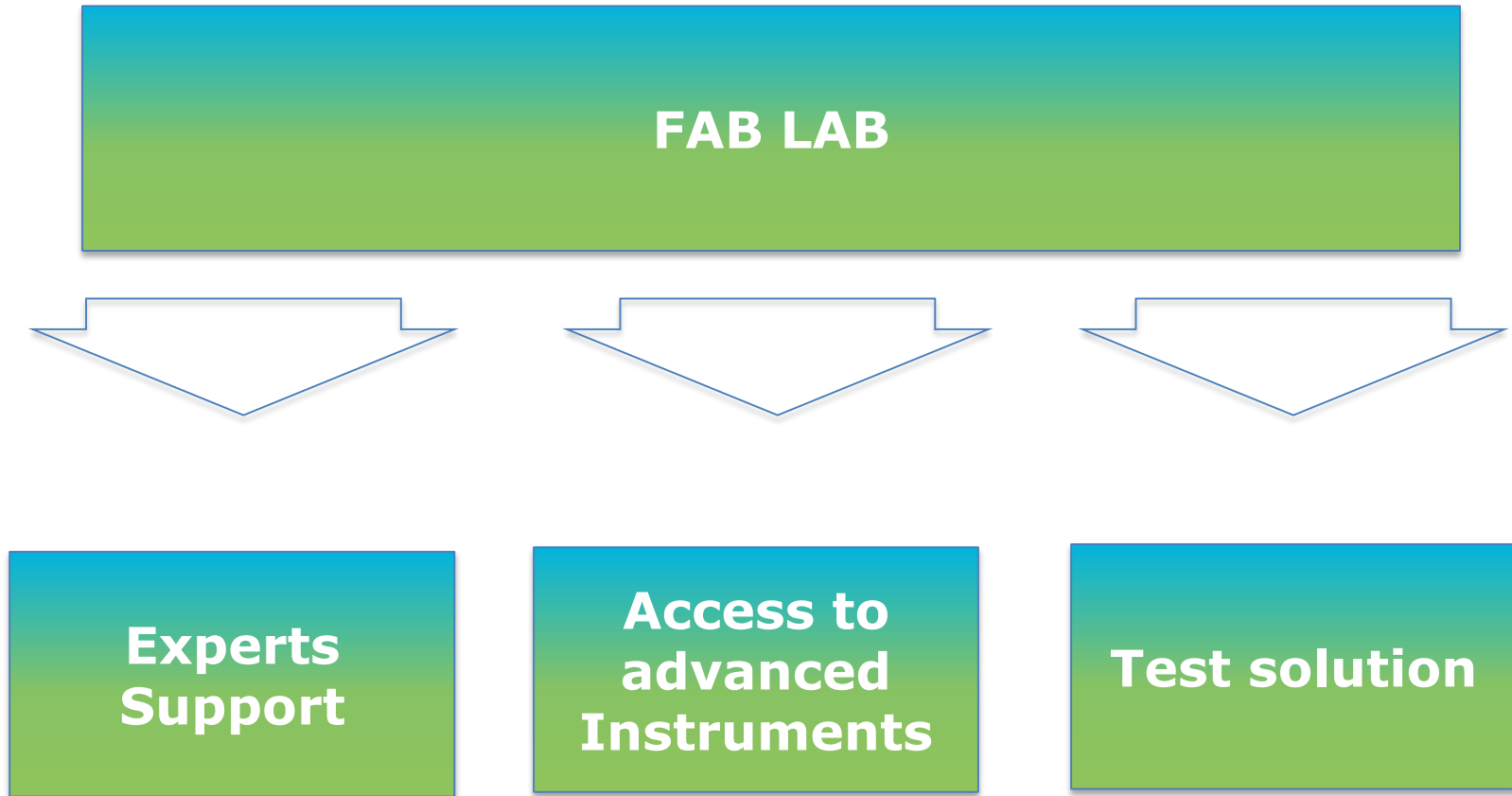
CONSUMER

# RESOURCE PLATFORM





# FAB LAB SUPPORT



## Implementing Partners



## Technology Partners



## Roadshow Hosts

**Chambers of Commerce, Universities,  
Community Partners**

# **We All Have a Role to Play**



**Word of mouth  
works 😊 please  
spread it!**

**Be involved,  
Work with Us on  
Posting  
Challenges for  
Innovators to  
solve them**

**Recommend  
organizations or  
private sector  
representatives  
to work with**

**Last but not Least, Invite Youth to Join out  
Hackathon: March 31<sup>st</sup>, April 1&2 at Berytech- Mar  
Rukoz**

# Agrytech

Agri-food Innovation Hub

**THANK YOU**







# **WFP: School Feeding/Nutrition Platform and Updates on Food assistance**



# Lebanon

## *School Meals Overview*

**Soha Moussa** ([soha.moussa@wfp.org](mailto:soha.moussa@wfp.org))

**14 March 2017**

*Photo: WFP/Ahmad Eltouli*

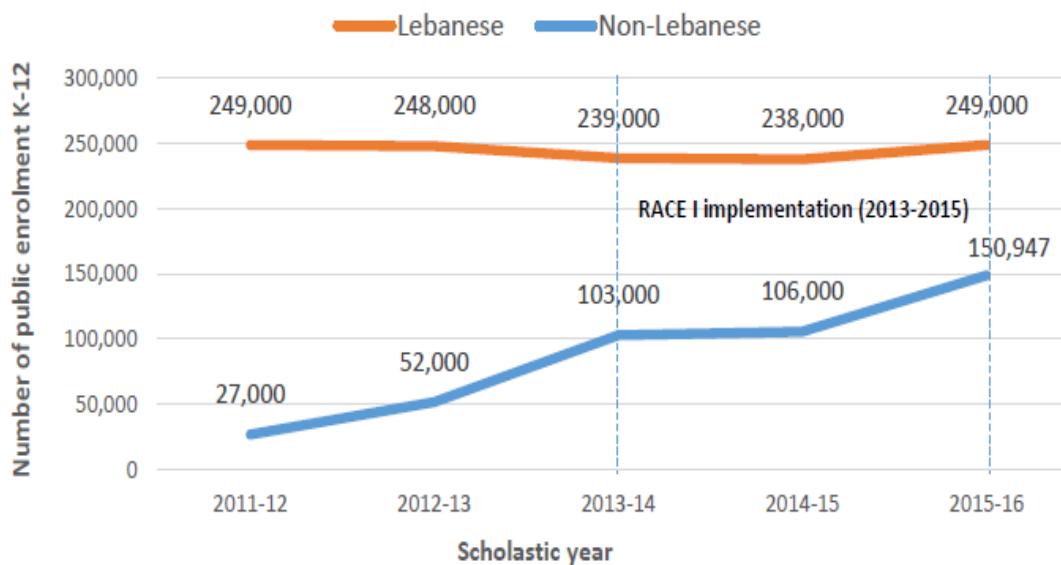


**World Food Programme**

# Lebanon Situation Overview

- Lebanon hosts 490,000 Syrian children (aged 3-18 years) registered with UNHCR
  - 42% of children (aged 6-15 years) enrolled in school in 2015/2016
  - The reasons for non-enrolment cited by households are mainly:
    - 1) Income-generating activities e.g. child labour, early marriage
    - 2) Inability to cover indirect costs e.g. transportation, school food, and clothes
- More than 300 'second shift' schools opened by MEHE in 2016-2017 to accommodate displaced Syrians

Figure 2: Enrolment trends for Lebanese and non-Lebanese in public education<sup>11</sup>



Data from Reaching All Children with Education in Lebanon (RACE II) Strategy (2017-2021)

# Reaching All Children with Education (RACE II) Strategy (2017-2021)



**PILLAR I: IMPROVED ACCESS TO  
EDUCATION OPPORTUNITIES**

**PILLAR II: IMPROVED QUALITY  
OF EDUCATION SERVICES**

**PILLAR III: IMPROVED  
EDUCATION SYSTEMS**

# WFP Lebanon School Meals Programme Portfolio



## School Snacks

### Programme Objectives:

1. Improve school retention rates
2. Reduce short-term hunger
3. Improve food intake
4. Improve educational outcomes
5. Enhance social cohesion

## Min Ila Cash-for-Education

### Programme Objectives:

1. Improve school enrolment (particularly from out-of-school children) and retention rates
2. Reduce negative coping strategies such as child labour and early marriage



# School Snacks Programme



## March 2016:

- 10,000 vulnerable Lebanese and displaced Syrian children serviced in 13 schools
- Daily snacks include two of the following: fresh fruit, 100% fruit juice, UHT milk, or a baked snack.
- Students receive monthly nutrition awareness

May 2016: 96% retention rates observed

## February 2017:

- 17,000 vulnerable Lebanese and displaced Syrian children serviced in 39 schools
- Snack includes fresh fruit and UHT milk to aid dietary diversity and double-burden of malnutrition (co-existing undernutrition and overweight).

24 March 2017: programme celebrates the **1,000,000** school snack

# Cash-for-Education Programme “Min Ila”



## 2016/2017 Pilot Phase:



Photo: WFP/Dina El Kassaby

- 50,000 displaced Syrian children, in 2 governorates, enrolled in primary public schools (5-14 years old), receive a monthly cash grant throughout the academic year
- Cash grants contribute towards:
  1. indirect costs of education: transportation, school food, and clothes
  2. reducing reliance on negative coping strategies, namely child labour (for boys) & early marriage (for girls)



October 2016: programme observes 30% increased school enrolment within the programme's 2 governorates (Akkar and Mount Lebanon)

*Thank You*

Photo: WFP/Edward Johnson



**World Food Programme**



# Recovery Context Analysis (RCA)

The image features a light blue background with two dark blue L-shaped brackets. One bracket is positioned on the left side, with its vertical bar extending from the bottom and its horizontal bar extending to the right. The other bracket is on the right side, with its vertical bar extending from the top and its horizontal bar extending to the left. These brackets frame the central text.

# RECOVERY CONTEXT ANALYSIS RCA



# *In this presentation...*

- ⚙ **What** is a RCA
- ⚙ **Why** a RCA in Lebanon
- ⚙ **How** to develop an RCA for Lebanon
- ⚙ **When:** Study Steps and possible timeline
- ⚙ **Who:** Opportunities for engagement

# What is a RCA?

- ⚙️ RCA is a study that aims to provide **understanding of recovery and resilience** in a given context through analysis of available quantitative and qualitative data
- ⚙️ It is a **consultative approach** and effort by **a multi-disciplinary and inter-agency team** to inform joint programming on recovery and resilience
- ⚙️ It's a **flexible approach** adaptable according to context, available data and objectives.



# Importance of recovery analysis

- ⚙ Creating a **common understanding** of recovery and resilience to specific outcomes in country;
- ⚙ Setting a critical base on which to **build effective programming partnerships**;
- ⚙ Building a framework from which recovery and resilience programming can be designed in a more **cohesive, systematic and strategic manner**, based on **strong evidence**.



# Previous RCA

## Uganda – Karamoja (2015)

- ⚙️ **6 partners:** IGAD, FAO, UNICEF, WFP, UNDP, Office of the Prime Minister (OPM)
- ⚙️ **Data:** secondary data, literature review, FGDs and validation workshop
- ⚙️ **Use:** contributed to the operationalization of IGAD Drought and Disaster Resilience and Sustainability Initiative (IDDRISI) and the **Joint UN resilience programme**

## South Sudan (2015)

- ⚙️ **14 partners:** 3 ministries, 8 UN agencies, 2 international organizations and the National Institute Statistic
- ⚙️ **Data:** secondary data, literature review and consultative workshops
- ⚙️ **Use:** support Ministry of Agriculture, Forestry, Cooperatives and Rural development to develop a common framework for evidence-based **joint resilience policy and programming** in South Sudan

# Why a RCA in the Lebanese context

- ⚙️ **Bridging the gap** between humanitarian and development activities in the country;
- ⚙️ Integrated **analysis** for displaced Syrians and Lebanese;
- ⚙️ Provide a **context analysis** that can guide recovery policies and programmes for systems, communities and individuals;
- ⚙️ Identify a range of **relevant capacities** needed for the recovery;
- ⚙️ Identify **opportunities for multi-sectoral strategic planning** by a broad range of partners.



# How to develop a RCA for Lebanon

**Displaced Syrians**

**Lebanese residents**

**Analytical  
steps:**

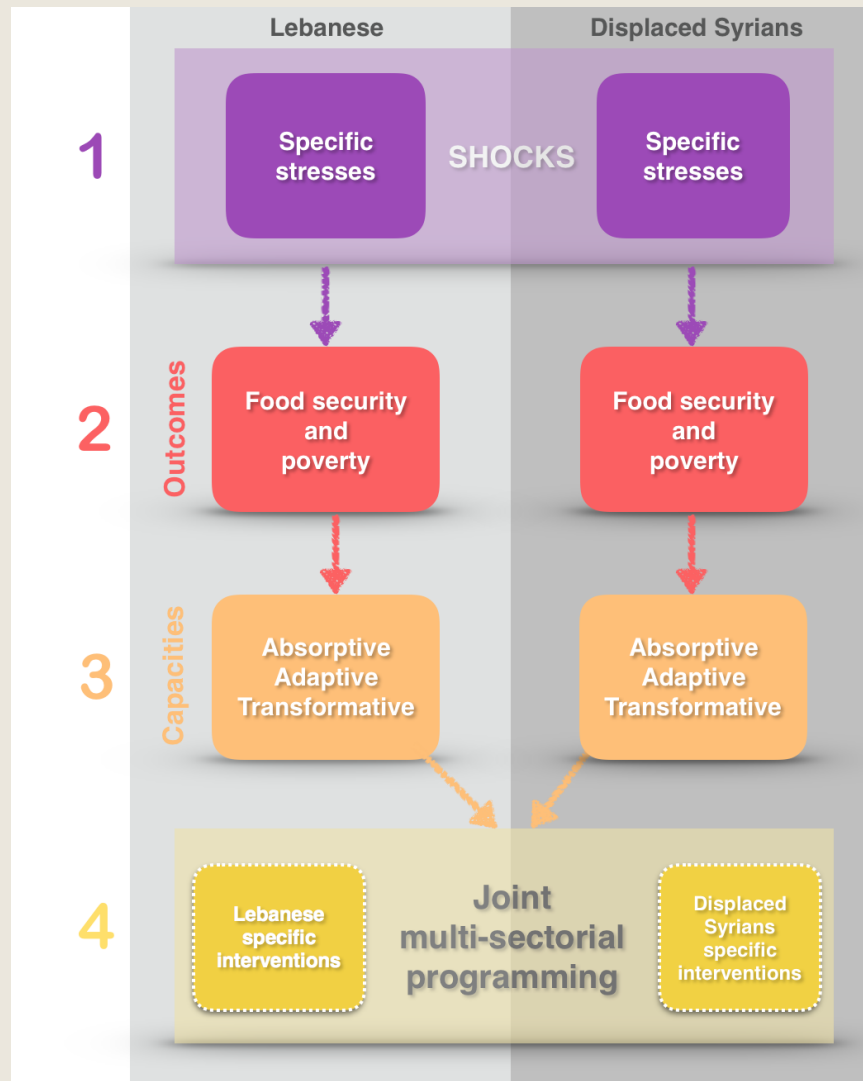
## Methods:

Literature review

Literature review  
Data analysis

Literature review  
Data analysis  
FGDs

Literature review  
Consultative  
workshop



## Multiple scales:

Individual  
Households  
Community  
Systems

# Study process

1

- Finalization of concept note and methodology

2

- Gathering data and reports

3

- Literature review, analysis, FGDs and report writing

4

- Consultative workshop: presentation of results and identification of programmes and actions

5

- Finalization of the study



# Updates on agriculture livelihoods reporting





**AOB**



**THANK YOU**