



Food Security Sector Working Group Meeting

14/03/2017

World Food Programme Office



Agenda



1. Agrytech presentation
 2. WFP: School Feeding/Nutrition Platform
 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

An aerial photograph of a combine harvester working in a vast, golden wheat field. The harvester is positioned in the lower-left quadrant, moving towards the upper-right, leaving a trail of harvested grain behind it. The field is divided into neat rows, and the overall scene is bathed in the warm, golden light of late afternoon or early morning.

Agrytech

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**



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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



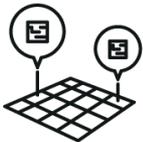
E-commerce



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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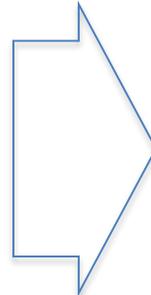
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CONSUMER

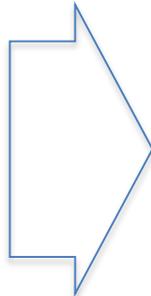
Outreaching for Innovators

ROADSHOWS



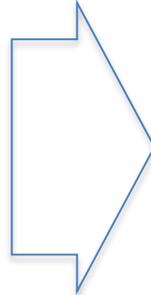
Presentation and communication of Agrytech to the public

HACKATHONS



Collaborative event where participants brainstorm over challenges

APPLICATIONS



Team form (2-4) and apply to solve a particular challenge- Deadline April 19



STARTUP FUNDING



PROTOTYPING FACILITIES



BUSINESS COACHING



CUSTOMER ACCESS



INDUSTRY CONNECTIONS



FOLLOW-ON MENTORING

Channeling Applications

Applying Directly On website

www.agrytech.org

Participating in Hackathon

[http://agrytech.org/
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

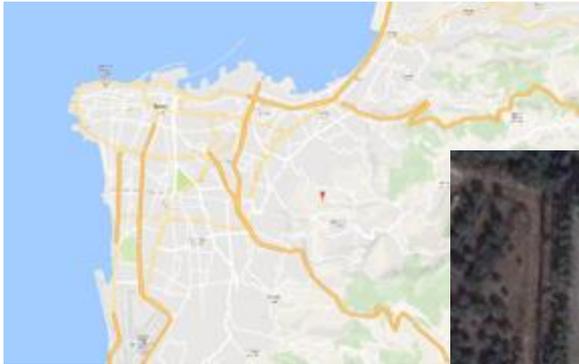


INDUSTRY CONNECTIONS



FOLLOW-ON MENTORING

ACCELERATOR Location



RESOURCES PLATFORM

- Information sharing portal

www.agrytech.org



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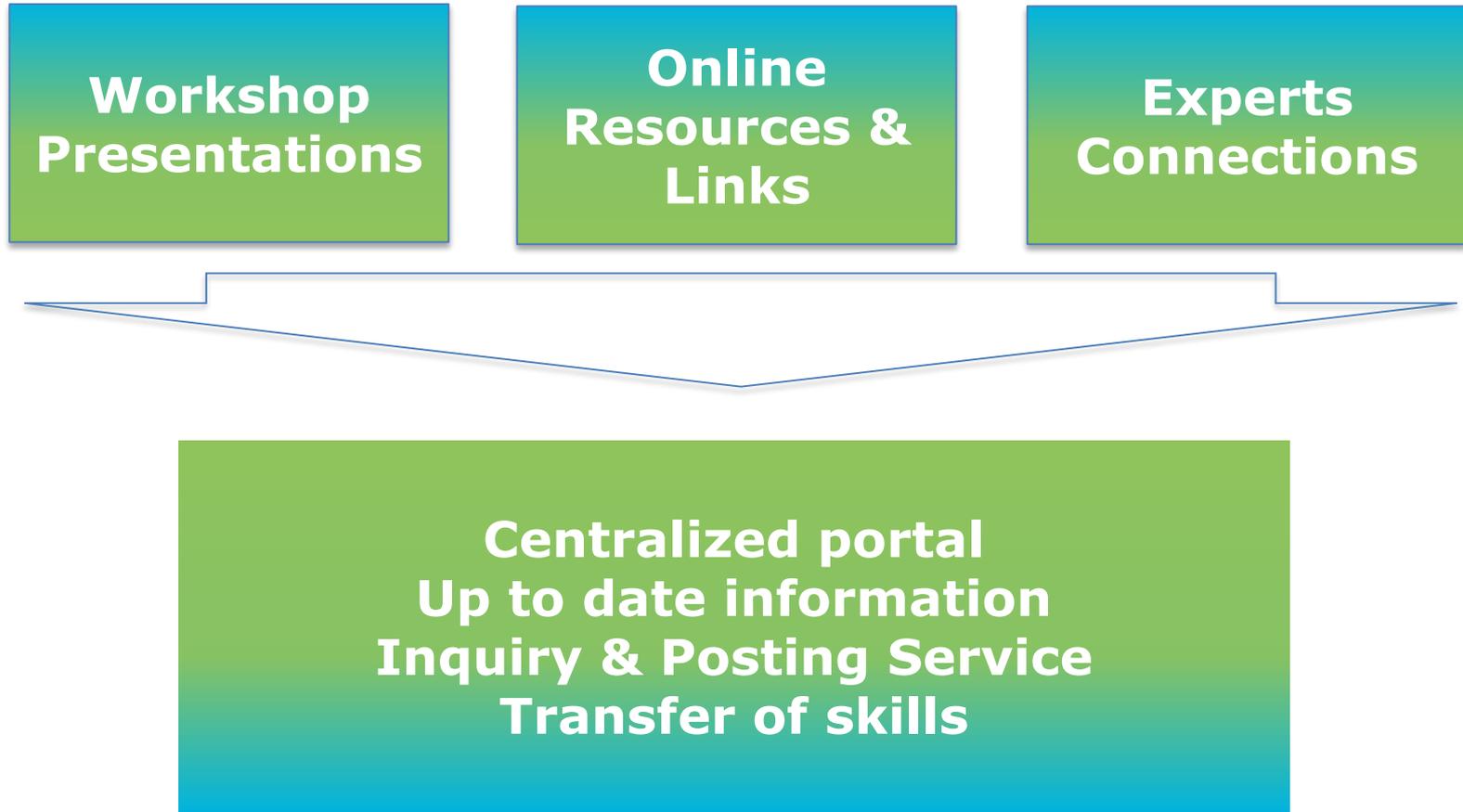


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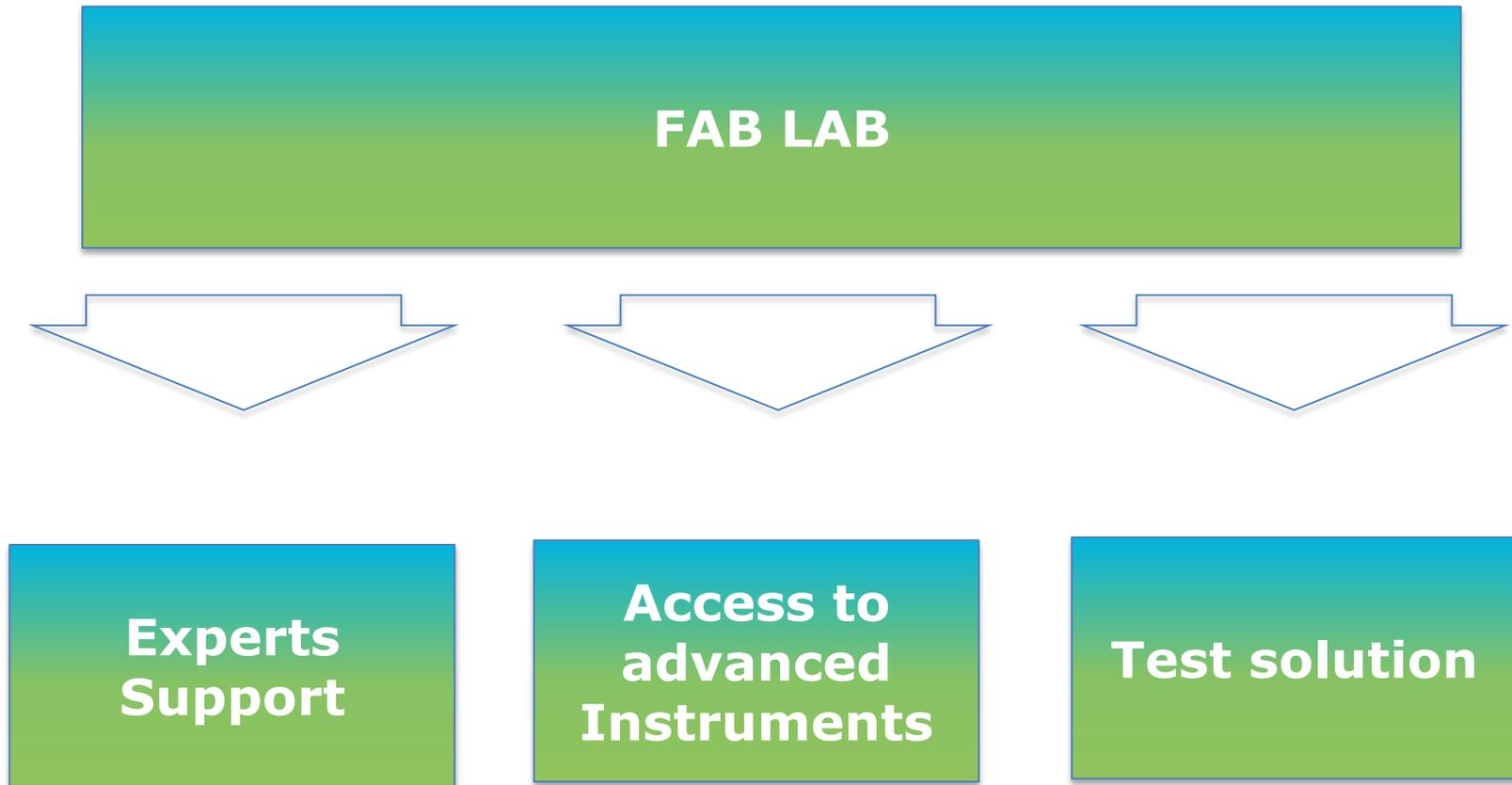


CONSUMER

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 our
Hackathon: March 31st, April 1&2 at Berytech- Mar
Rukoz**

Agrytech

Agri-food Innovation Hub

THANK YOU





WFP: School Feeding/Nutrition Platform



Lebanon

School Meals Overview

Soha Moussa (soha.moussa@wfp.org)

14 March 2017

Photo: WFP/Ahmad Eltouli

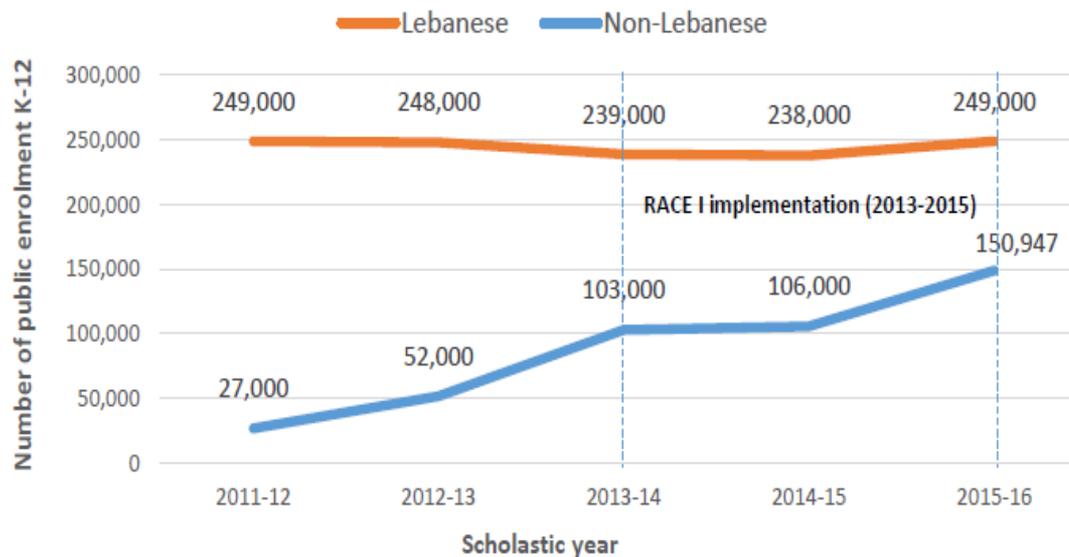


World Food Programme

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 education¹¹



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**



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

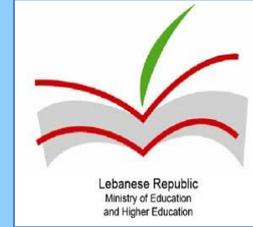
May 2016: 96% retention rates observed

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:



- 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



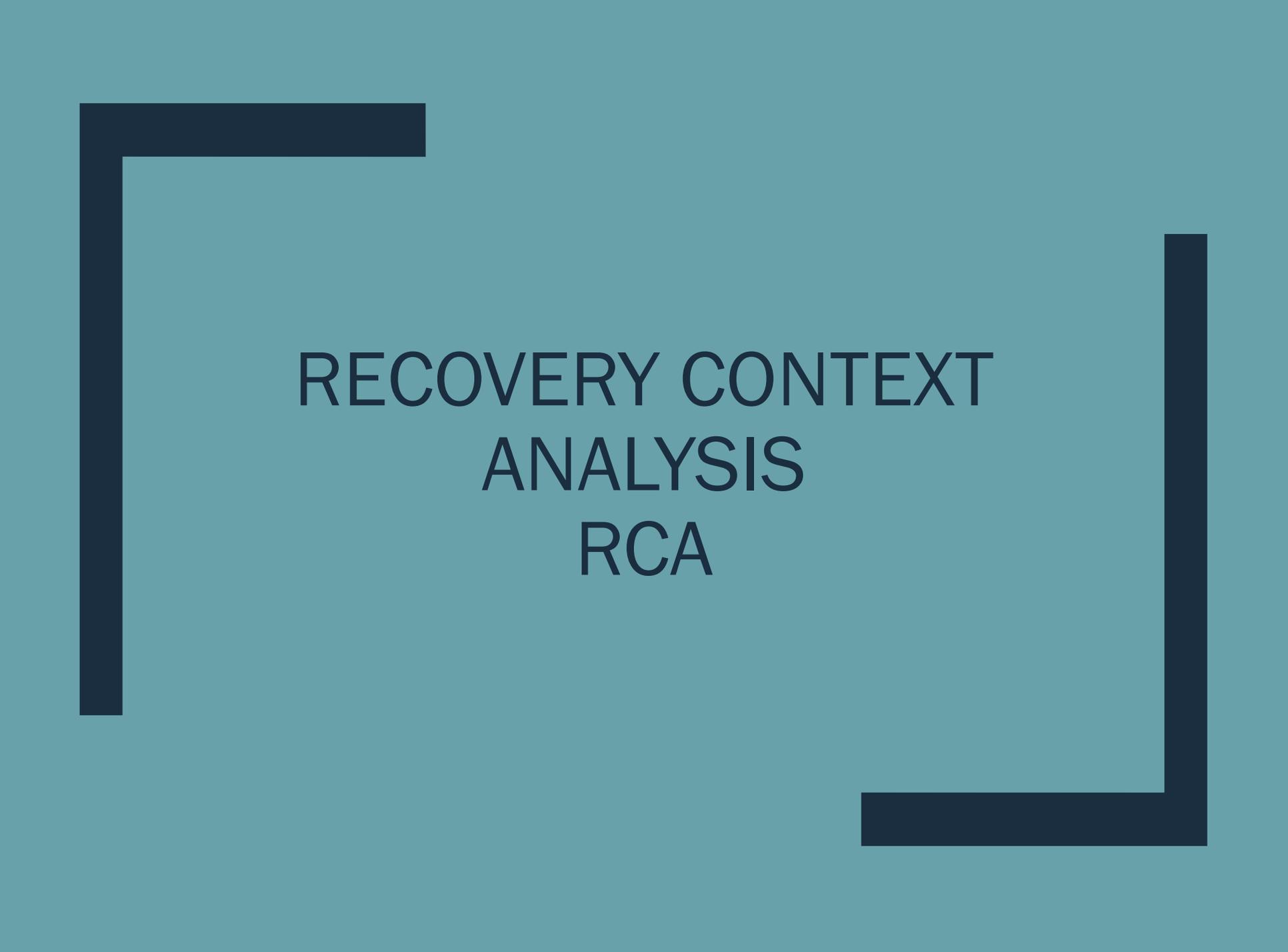
Photo: WFP/Edward Johnson



World Food Programme



Recovery Context Analysis (RCA)



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**.



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:**

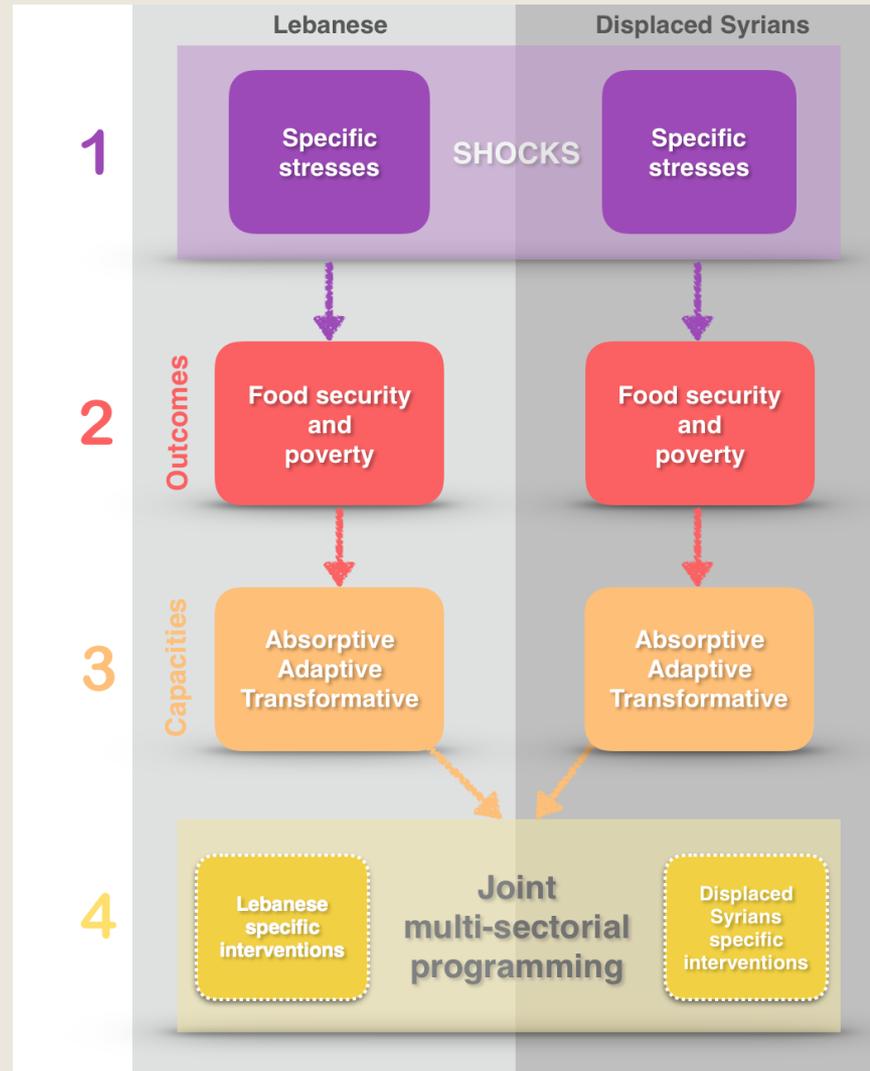
Methods:

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