

Alliance



Egypt and Sudan Inception Workshop

on the CGIAR F2R-CWANA Initiative

F2R-CWANA: From Fragility to Resilience in the Central and West North Africa



F2R-CWANA: From Fragility to Resilience in the Central and West Asia and North Africa

Al-Sharkeia, field day, Egypt



Giza station, Egypt



Sids station, Egypt

Egypt Inception Workshop

F2R-CWANA Initiative



Background

CGIAR's F2R-CWANA Initiative builds resilient agri-food systems in the region, primed to withstand the impact of climate change and generate better livelihoods for rural communities. At its core, this initiative will provide options for climate adaptation and mitigation that respond to, and are effective for, smallholder farmers in CWANA with a view to scaling up and out the best bet solutions. It recognizes the unique biodiversity richness of this center of origin of many species, and it promotes its conservation of soil, ecology and water resources in-situ and ex-situ. It is aware of the complex political interactions between countries in the region, and it bridges borders to deliver and widely deploy technologies.

Anchor Countries

The F2R-CWANA initiative has five planned regional anchor countries – Egypt, Lebanon, Morocco, Uzbekistan, Sudan, representing diverse needs and social contexts. Turkey and Syria, both member countries of the CGIAR, will participate in this initiative with their own funding.

OneCGIAR

All CGIAR Research Centers are engaged in a reform process ("One CGIAR") to achieve better impact through more strategically integrated research, unified governance, an integrated structure, and new research modalities. The OneCGIAR transformation is supported by CGIAR donors who have committed to increased funding as a result of these reforms.

The reform provides an opportunity for a fresh strategy to shape a stronger, more relevant science agenda for today's dynamic world. It integrates CGIAR's capabilities, knowledge, assets, people, and global presence for a new era of interconnected and partnership-driven research toward achieving the Sustainable Development Goals (SDGs), and it will operate as a cohesive organization with a single mission, seamlessly leveraging all of our capabilities and assets to deliver real benefits to people and our planet.

Through integrated systems research, CGIAR and country partners are striving for impact to create sustainable and resilient food, land, and water systems, and meet SDG targets through strategically designed global initiatives.

Contact Initiative Lead, Michael Baum, m.baum@cgiar.org or Co-Lead, Maha AL-Zu'bi, m.al-zubi@cgiar.org



Chickpea farmer - Sudan



Wheat-Sids Station, Egypt

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EGYPT and SUDAN BACKGROUND

The CWANA region covers a vast swathe of land across Central Asia, West Asia, and North Africa and contains a vast diversity of cultures and agro-ecological systems. What unifies this area is a relative semi-arid and aridness that will become more extreme with ongoing climate change. The region is expected to experience an increase in the severity and frequency of hot temperatures, agricultural and ecological droughts, precipitation droughts, floods, climate variability, and climate change compound events with significant consequences for society and the environment.

Despite the region's acute water scarcity, lack of arable land, and unsustainable surface and groundwater extraction (for agricultural purposes) in countries like Sudan and Egypt, where food is strongly reliant on imports, irrigated agriculture is the predominant method representing 30 per cent of the total planted areas in CWANA region..

Yet the CWANA regional agri-food systems are highly vulnerable to overuse of the limited natural resources, the biophysical effects of present and future climate change, mainly in the North Delta in Egypt, and their interplay with societal pressures, e.g., gender inequalities, youth unemployment, demographic shifts, a predominance of small, non-specialized smallholding; and institutional and economic pressures. Many of the countries in CWANA are fragile and conflict-affected.

Egypt and Sudan are among the most vulnerable countries in terms of climate change. Without additional measures of resource conservation, the countries may face a shortage of water resources because of the dams, building on the agricultural lands in the Nile valley, population increase, increased desertification; and land degradation, which will cause instability in agricultural production and pose a threat to the country's food security.

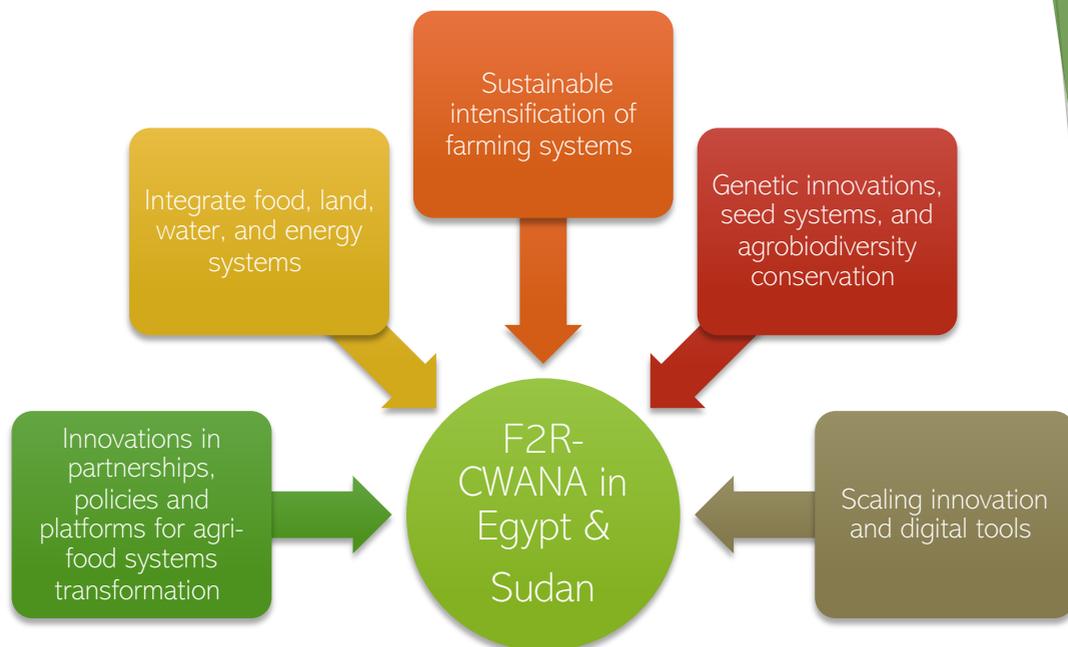
Despite these challenges, the momentum is high for building resilient agri-food systems in Egypt using new land reclamation through mega projects to reuse grey water. Currently, climate change mitigation and adaptation measures are reflected in almost all strategies issued by the Egyptian government, in particular, Egypt Strategy 2050. The concept of the National Strategy acknowledges the need for transformative adaptation interventions to reduce risk to vulnerable groups. The strategy aims to improve climate information, adopt a strategic governance plan, enhance the agriculture sector's resilience, improve water use efficiency, and increase access to climate finance. The F2R-CWANA Initiative directly contributes to these goals.



Barley farmers
Marsa Matrouh, Egypt



Faba bean
Sids station, Egypt



F2R-CWANA research areas in Egypt and Sudan

F2R-CWANA in Egypt and Sudan

To address agricultural resilience challenges in Egypt and Sudan, F2R-CWANA works with partners to test and upscale the following innovations:

- Farm-to-basin smart tools for water efficiency and management
- CGIAR Accelerator and Open Innovation Program
- The Rural Investment and Policy Analysis Modeling Toolkit
- Toolbox of Nature-based Solutions for people and the planet
- Promoting in-situ conservation of CWANA dryland agrobiodiversity
- Participatory Product Profile Performances
- Resilient food and feed crops adapted to MENA region
- Scale-appropriate mechanization for CWANA
- Weather station-based irrigation advisory system

Together, these innovations will help Egyptian and Sudanese stakeholders become more resilient to the worsening effects of climate change.



Chickpea breeder
Sudan

Objectives of the workshop

CGIAR is excited to kick off its first F2R-CWANA national inception workshop in Egypt and Sudan - on the World Day to Combat Desertification and Drought- jointly with the agricultural research center (ARC) in Sudan and in Egypt and aims to develop a common vision of F2R-CWANA impact in both countries and validate an action plan for F2R-CWANA activities.

Specific objectives include:

- 1) Introduce the F2R-CWANA, its work packages, activities, timeline, objectives, anticipated output and outcomes
- 2) Present and discuss in-depth with stakeholders the planned activities in each of Egypt and Sudan
- 3) Validate work plans around activities with stakeholders so that activities build on previous related efforts and are not duplicating ongoing activities
- 4) Identify the key partners (demand, innovation, scaling) who will be engaged during the implementation (what is their role and responsibilities)
- 5) To build relationships with stakeholders and understand their needs as they relate to F2R-CWANA
- 6) Identify capacity development needs,
- 7) To discuss specific opportunities for collaboration
- 8) To establish ways forward for engagement and implementation of joint activities.

F2R-CWANA Egypt and Sudan Inception Workshop

29 June 2022, 8:30-16:00 Cairo time (GMT+2)

Time	Date: Tuesday - June 29, 2022
8:00 - 8:30	Coffee Break and Registration
Opening Session	
8:30 - 8:45	Welcoming Remarks <ul style="list-style-type: none">Government Representative: Dr M. SolimanCGIAR Global Science Director: Dr Martin KropffCGIAR CWANA Regional Director: Dr Aly Abousabaa
Session 1: Introduction to the “F2R-CWANA” Project	
8:45 - 10:30	<p>The purpose of this session is to introduce the “F2R-CWANA” Project, providing background information about its objectives, timeline, activities and expected outputs.</p> <p>Presenters: CWANA Lead, Dr Michael Baum (ICARDA) CWANA Co-lead, Dr Maha Al-Zu’bi (IWMI)</p> <p>Other CGIAR initiatives:</p> <ul style="list-style-type: none">NPS, Clemens BreisingerGenebank, Zakaria Kehel <p>Q and A</p>
10:30-11:00	Coffee Break
Session 2 - A: F2R-CWANA Activities, Partners, Capacity Development Needs in Egypt	
11:00 - 13:00	<p>The purpose of this session is to: (1) present, discuss in-depth and validate the planned activities in Egypt; (2) roles and responsibility of partners; and (3) capacity development needs. Each Work package will present and discuss all activities, roles and responsibility and capacity development needs with focus on 2022 activities.</p> <p>Presenters & Moderators: WP leads</p> <ul style="list-style-type: none">WP1 Lead, Dr Boubaker Dhehibi (ICARDA)Innovation Platform and National Stakeholder Alliance, Dr Zewdie Bishaw <p>Note Taker: will be assigned by each WP lead</p>
13:00-14:00	Lunch

F2R-CWANA Egypt and Sudan Inception Workshop

17 June 2022, 8:30-17:00 Cairo time (GMT+2)

Session 2 - B: F2R-CWANA Activities, Partners, Capacity Development Needs in Egypt

14:00 - 15:30

The purpose of this session is to: (1) present, discuss in-depth and validate the planned activities in Egypt; (2) roles and responsibility of partners; and (3) capacity development needs. Each Work package will present and discuss all activities, roles and responsibility and capacity development needs with focus on 2022 activities.

Presenters & Moderators: WP leads

- WP2 Lead, Dr Zewdie Bishaw (ICARDA)
- WP3 Lead, Dr Mangi Lal JAT (CIMMYT)

Note Taker: will be assigned by each WP lead

15:30 - 16:00

Coffee Break

Session 2 - C: F2R-CWANA Activities, Partners, Capacity Development Needs in Egypt

16:00 - 17:30

The purpose of this session is to: (1) present, discuss in-depth and validate the planned activities in Egypt; (2) roles and responsibility of partners; and (3) capacity development needs. Each Work package will present and discuss all activities, roles and responsibility and capacity development needs with focus on 2022 activities.

Presenters & Moderators: WP leads

- WP4 Lead, Dr Maha Al-Zurbi (IWMI)
- WP5 Lead, Dr Oytüre Anarbekov (IWMI)

Note Taker: will be assigned by each WP lead

Outcomes: it is expected from session 2 A, B & C that the participants to come up with detailed work plan for 2022, partners involved and their role and capacity development needs.

17:30- 18:00

Reflections and Wrap-up



Important Contacts

Item	Contact Person	Contact Email
General F2R-CWANA Queries	Michael Baum Maha Al-Zu'bi	m.baum@cgiar.org m.al-zu'bi@cgiar.org
F2R-CWANA WPs Contacts		
WP1: Innovations in partnerships, policies and platforms for agri-food systems transformation	Boubaker Dhehibi	b.dhehibi@cgiar.org
WP2: Genetic innovations, seed systems, and agrobiodiversity conservation	Zewdie Bishaw	z.bishaw@cgiar.org
WP3: Sustainable intensification of farming systems	Mangi Lal JAT	m.jat@cgiar.org
WP4: Integrated food, land, water and energy systems	Maha Al-Zu'bi	m.al-zubi@cgiar.org
WP5: Scaling innovation and digital tools	Oytüre Anarbekov	o.anarbekov@cgiar.org

Venue

Safir Hotel

22 Al Mesaha, Sq' Dokki,
Giza Governorate, Egypt
Tel: 0202 37482424



Desert farming, Al-Meniä, Egypt