CWANA Challenges & Opportunities

Fragility
- Population growth
- Limited water for agriculture
- Weak governance, fragility and conflicts
- Gender inequalities

Desertification
- Drought and heat

Food and nutrition insecurity

Resilience
- Manage climate risk to accelerate the scaling-up of technologies
- Robust regulation and governance systems to enable success
- Nutritious, climate resilient food and agrobiodiversity preservation
- Sustainably closing the yield gaps on farming systems
- Improve water use, salinization and desertification
Selected Key Innovations (1/3)
Genetic Innovations: 27 Crop x Country Combinations
Selected Key Innovations (1/3)

Genetic Innovations: 27 Crop x Country Combinations

In collaboration with ABI & Market Intelligence & Seed Equal:

Stakeholder meetings in:
- Morocco
- Egypt
- Sudan
- Lebanon
- Uzbekistan

To prioritize the:
- Breeding product profiles
- Elite lines
- Newly released varieties

Of regionally important crops:
- Barley
- Faba bean
- Lentil
- Potato
- Sweetpotato
- Bread wheat
- Durum wheat

→ 430 genetic innovations (elite lines and new varieties) prioritized for further breeding, participatory field evaluation, variety release, and demand creation
Selected Key Innovations (2/3)
Capacity Development: AgriTech4Morocco Challenge
Selected Key Innovations (2/3)
Capacity Development: AgriTech4Morocco Challenge

Challenge call for Agri-Tech solutions to support Morocco’s Generation Green 2020-2030 Strategy
- Country-specific assessment, design, and launch of the Challenge Call
- Kick-off event
- **Bootcamp & pitch day** to build capacity on user-centric design, user participatory evaluation, how to pitch to investors – 20 teams from eight countries
- **Nine-week long Acceleration program & demo day** for teams to develop actionable pathways to scale, strengthen the scientific validity of their solution, and create networking opportunities with CGIAR and industry players – 10 teams
- Post-program support – 3 teams
- Dissemination
Selected Key Innovations (2/3)
Capacity Development: AgriTech4Morocco Challenge

Examples of teams participating in the Acceleration Program
Selected Key Innovations (3/3)
Satellite-based Climate Data Extractor for CWANA

Climate Profile (https://sites.google.com/view/climate-portal)
Working with Global Initiatives & Platforms

**Genetic Innovations:**
- Accelerated Breeding (ABI)
- Genebanks
- Market Intelligence
- Seed Equal

**RAFS:**
- Excellence in Agronomy (EiA)
- Plant Health
- Livestock and Climate (LCSR)

**Systems Transformation:**
- Climate Resilience (ClimBer)
- National Policies and Strategies (NPS)
- NEXUS Gains
- Agroecology

**Gender Platform**
What's Next – 2023 Key Results

• Launch of the CWANA Gender & Climate Strategy.
• Participatory selection of genetic innovations.
• Analysis of Egyptian seed systems and seed sector.
• Local community co-development and approval of conservation management plans for landraces and wild relatives in Morocco, Lebanon, and Uzbekistan.
• Launch of the Potato Tracker app in Uzbekistan.
• Analysis of the Water-Energy-Land-Food-Fragility Nexus for the Karshi Watershed in Uzbekistan and the Bouregreg Watershed in Morocco.
• Launch of the AgriTech4Uzbekistan Challenge Call.
• Compilation of a complete inventory of F2R-CWANA innovations and beginning of Innovation Packaging and Scaling Readiness work.
THANK YOU!