



INITIATIVE ON
Fragility to Resilience in Central
and West Asia and North Africa



From Fragility to Resilience in Central and West Asia and North Africa (F2R-CWANA)

CGIAR Initiative drop-in-call: RAFS-RIs

March 9, 2023

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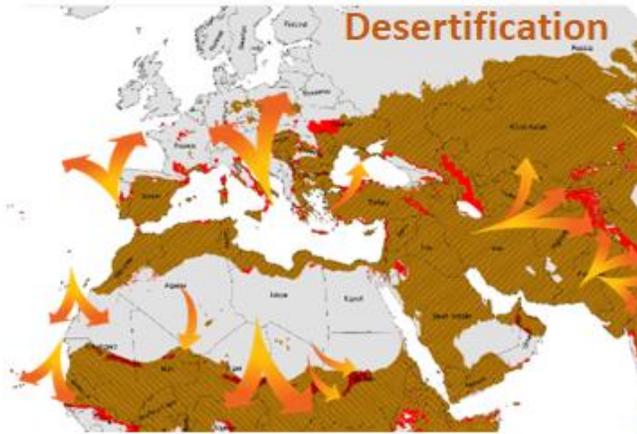
WP5: Oytüre Anarbekov (IWMI)



CWANA Challenges & Opportunities



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Desertification



Food and nutrition
insecurity

Drought and heat

Population growth



Limited water for agriculture



Weak governance,
fragility and conflicts



Gender Inequalities



Fragility

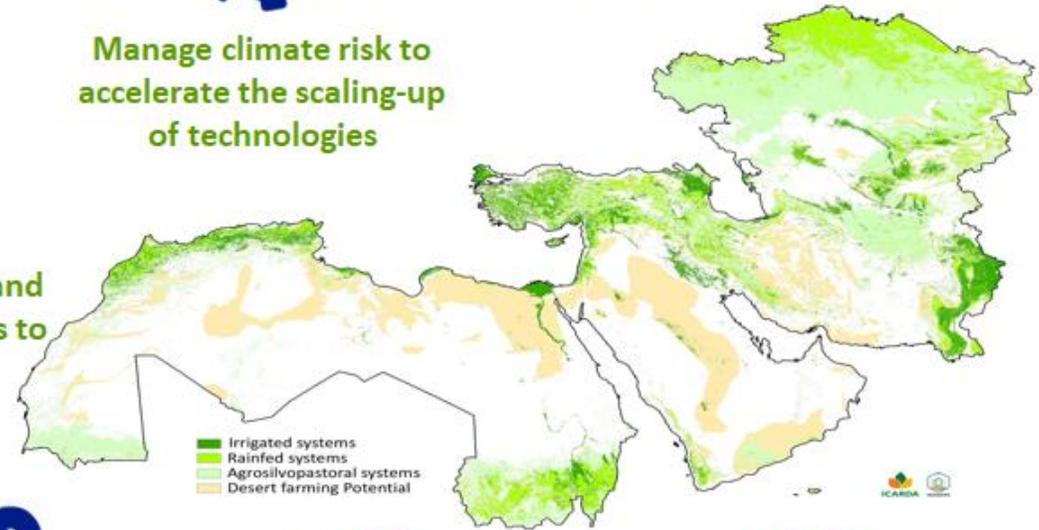


Robust regulation and
governance systems to
enable success



Nutritious, climate resilient
food and agrobiodiversity
preservation

Manage climate risk to
accelerate the scaling-up
of technologies



Irrigated systems
Rainfed systems
Agrosilvopastoral systems
Desert farming Potential



Sustainably closing the yield
gaps on farming systems



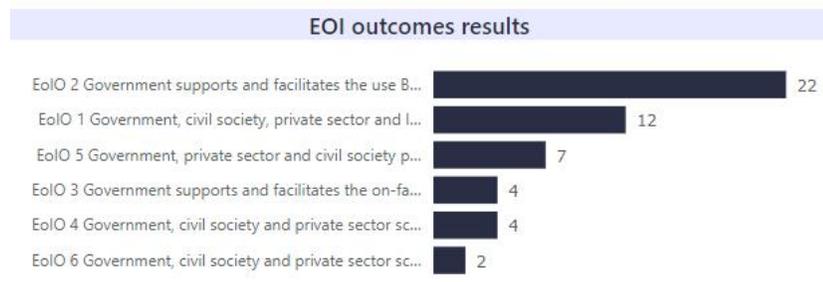
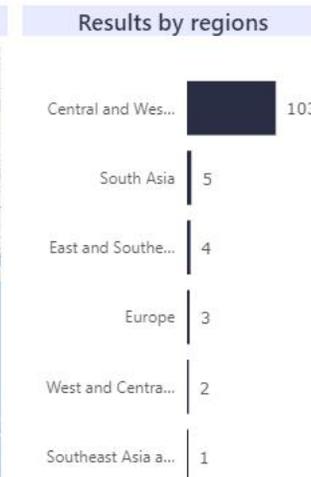
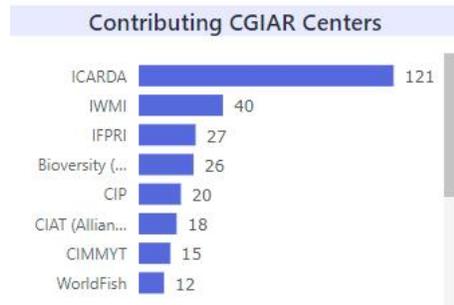
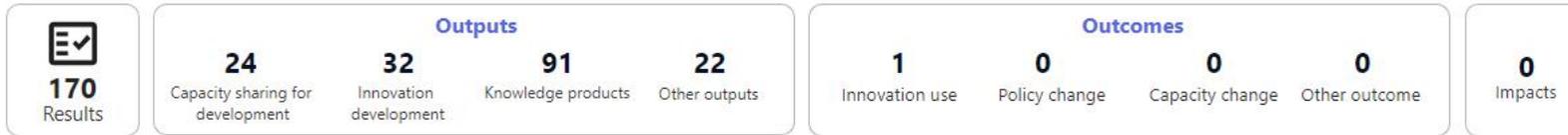
Improve water use,
salinization and desertification

Resilience

Results Summary – Year 1 (Apr-Dec 2022)



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Selected Key Innovations (1/3)

Genetic Innovations: 27 Crop x Country Combinations



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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

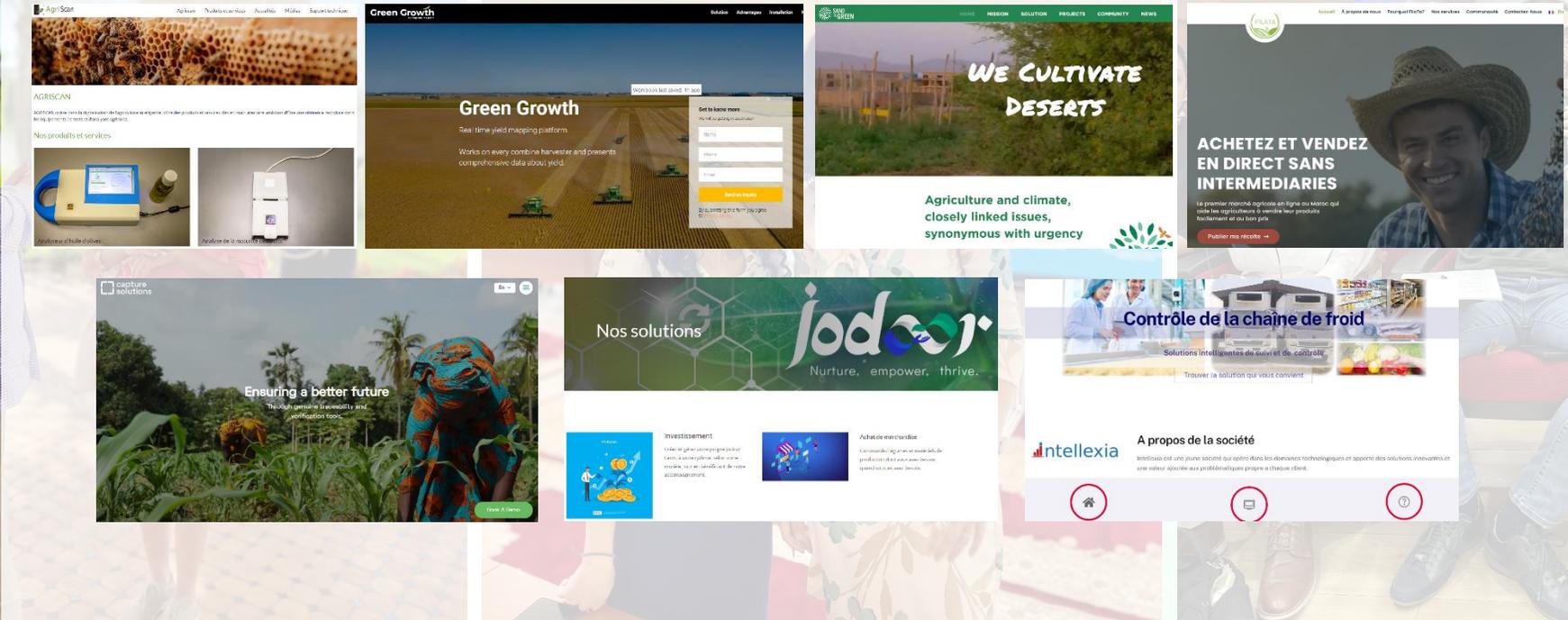
Challenge call for Agri-Tech solutions to support Morocco's Generation Green 2020-2030 Strategy

- 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)

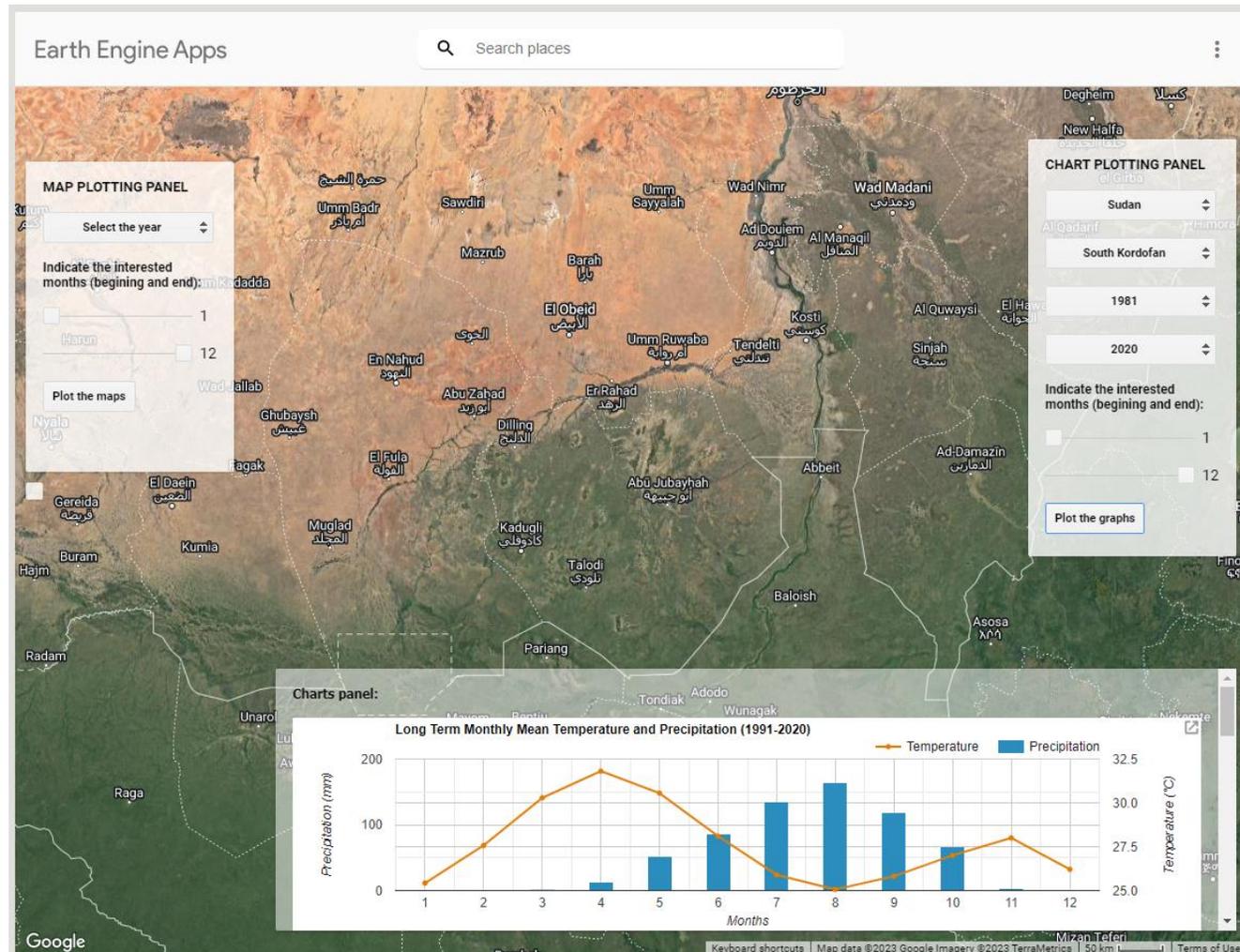
Capacity Development: AgriTech4Morocco Challenge

Examples of teams participating in the Acceleration Program



Selected Key Innovations (3/3)

Satellite-based Climate Data Extractor for CWANA



[Climate Profile \(https://sites.google.com/view/climate-portal\)](https://sites.google.com/view/climate-portal)



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Working with Global Initiatives & Platforms



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Genetic Innovations:

- Accelerated Breeding (ABI)
- Genebanks
- Market Intelligence
- Seed Equal

RAFS:

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

- Sustainable Animal Productivity (SAPLING)

Systems Transformation:

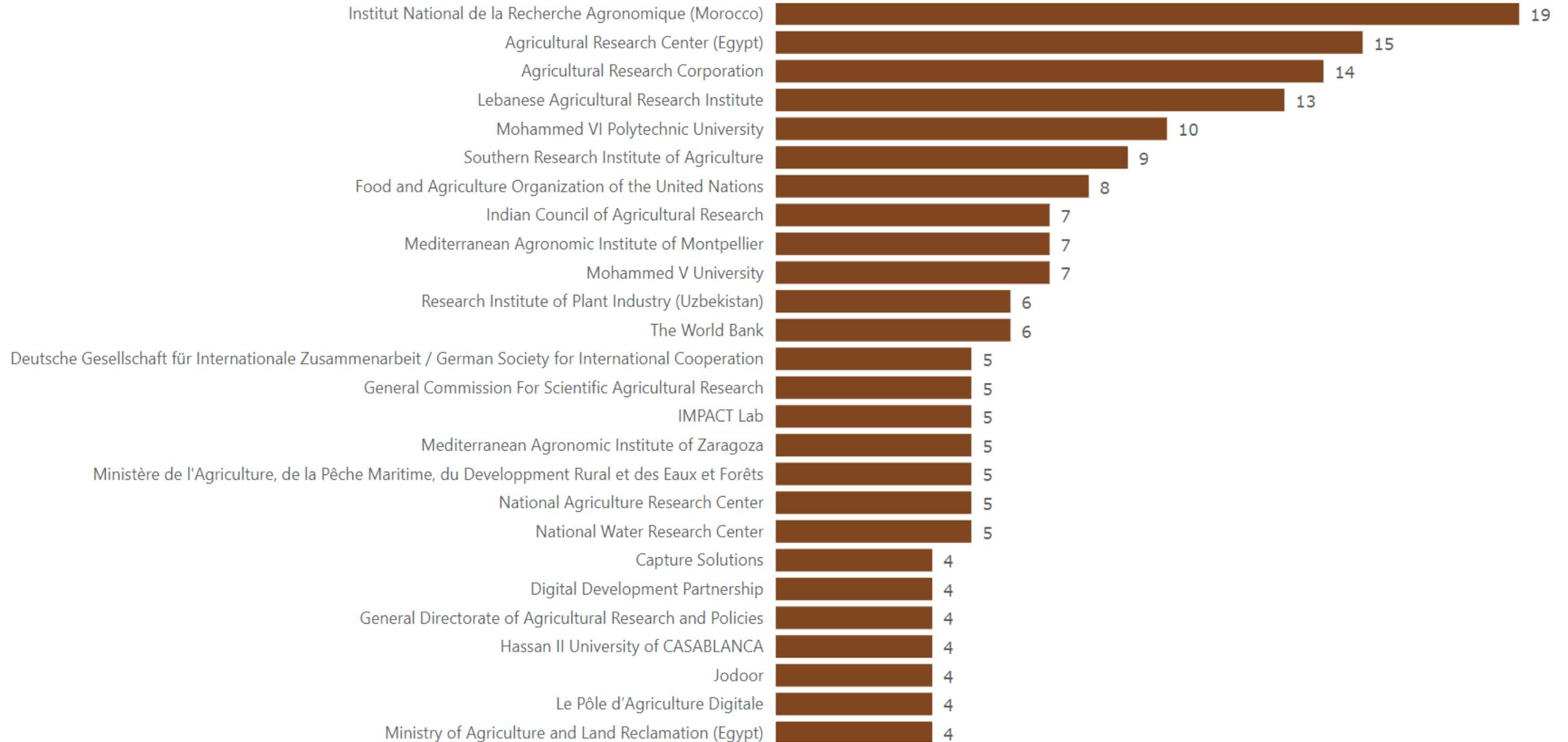
- Climate Resilience (ClimBer)
- National Policies and Strategies (NPS)
- NEXUS Gains
- Agroecology

Gender Platform

Working with Partners



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What's Next – 2023 Key Results



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- 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.





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Alliance



THANK YOU!