



## THE CLIMATE SECURITY OBSERVATORY

Climate Security Observatory (CSO) for providing science-based, actionable evidence on climate security risks for policymakers, researchers, and practitioners to design and implement interventions that contribute to the creation and maintenance of a climate-resilient peace.

**2024**  
1st Edition

The Climate Security Observatory (CSO) is an online decision-making support tool providing robust, localized, and policy-relevant evidence on how climate security risks may emerge across different geographic contexts. Intended for policymakers, researchers, and practitioners who are working at the intersection of climate, peace and security, the CSO features a range of global and localized analytical tools and insights that leverage science on land, water and food systems. The aim is to reduce or avoid the risk of climate-driven insecurity by providing accessible and actionable knowledge at multiple scales. By addressing the intersection of climate change and human security, the CSO enables better-targeted strategies for mitigating risks and promoting resilience. In the long term, the CSO aims to contribute to the creation and maintenance of a climate-resilient peace.

### INITIATIVES, PARTNERS AND ESTIMATED USD INVESTMENT

#### LEAD INITIATIVE

INIT23: **Climate Resilience** - ClimBeR: Building Systemic Resilience Against Climate Variability and Extremes **\$500K**

#### CONTRIBUTING INITIATIVES

INIT14: **AgriLAC Resiliente** - Resilient Agrifood Innovation Systems in Latin America and the Caribbean

INIT34: **Livestock and Climate** - Livestock, Climate and System Resilience **\$100K**

INIT35: **Fragility, Conflict and Migration** **\$400K**

#### CONTRIBUTING CENTRES

✦ **Alliance of Bioversity and CIAT** – Regional Hub (International Center for Tropical Agriculture / Centro Internacional de Agricultura Tropical)

#### PARTNERS INVOLVED

**Scio - Big Data in Food Systems** – Innovation partner



THIS INNOVATION IS CHARACTERIZED AS

#### Radical Innovation

Innovations that are new and replace existing products, systems, services and/or policies but do not cause or require major reconfiguration of farming, market and/or policy/business models.



THE NATURE OF THIS INNOVATION IS

#### Technological Innovation

Innovations of technical/material nature, including varieties/breeds; crop and livestock management practices; machines; processing technologies; big data and information systems.

### IMPACT AREAS



Nutrition tag  
**1 - Significant**



Poverty tag  
**1 - Significant**



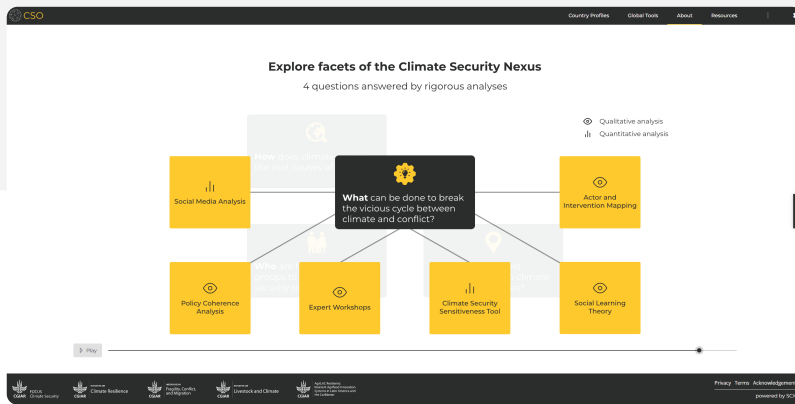
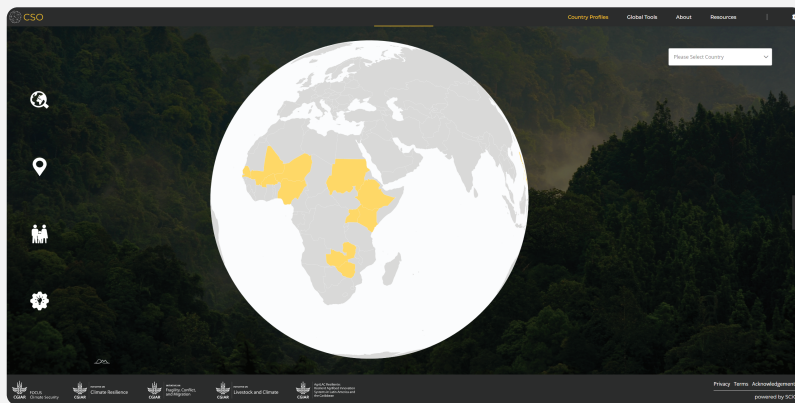
Gender tag  
**0 - Not Targeted**



Climate tag  
**2 - Principal**



Environment tag  
**0 - Not Targeted**



## ANTICIPATED INNOVATION USER(S)

### ORGANIZATIONAL CLIENTS



#### Researchers

Sex and age disaggregation does not apply



#### Policy actors (public or private)

Sex and age disaggregation does not apply

### ORGANIZATIONS

#### Non-Governmental Organizations

General: International Regional National Local

#### Research organizations and universities

General: International

NA: Regional Local

#### Government

National Subnational

#### Organization (other than financial or research)

International Regional

**RESPONSIBLE INNOVATION**

PROMOTE GENDER EQUALITY AND SOCIAL INCLUSIVITY

LIMIT UNINTENDED CONSEQUENCES

INNOVATION TEAM DIVERSITY

| It is too early to determine this

| It is too early to determine this

| This does not apply to this innovation



**THIS INNOVATION IS EXPECTED TO CONTRIBUTE TO THE FOLLOWING IMPACTS**



CGIAR IMPACT AREAS & COLLECTIVE GLOBAL TARGETS



SDGs AND SDG TARGETS



DEVELOPED, TESTED AND/OR SCALED GLOBALLY





## CURRENT INNOVATION READINESS

9

### PROVEN INNOVATION

The innovation is validated for its ability to achieve a specific impact under uncontrolled conditions

8

### UNCONTROLLED TESTING

The innovation is being tested for its ability to achieve a specific impact under uncontrolled conditions

7

### PROTOTYPE

The innovation is validated for its ability to achieve a specific impact under semi-controlled conditions

6

### SEMI-CONTROLLED TESTING

The innovation is being tested for its ability to achieve a specific impact under semi-controlled conditions

5

### MODEL/EARLY PROTOTYPE

The innovation is validated for its ability to achieve a specific impact under fully-controlled conditions

4

### CONTROLLED TESTING

The innovation is being tested for its ability to achieve a specific impact under fully-controlled conditions

3

### PROOF OF CONCEPT

The innovation's key concepts have been validated for their ability to achieve a specific impact

2

### FORMULATION

The innovation's key concepts are being formulated or designed

1

### BASIC RESEARCH

The innovation's basic principles are being researched for their ability to achieve a specific impact

0

### IDEA

The innovation is at idea stage



## ACKNOWLEDGEMENTS

We would like to thank all Funders who support this innovation through their contributions to the **CGIAR Trust Fund** ([www.cgiar.org/funders](http://www.cgiar.org/funders)).



## MORE INFORMATION

### WEBSITES AND DOCUMENTATION

- <https://cso.cgiar.org/>

### CONTACT PERSON

For more information on this innovation please contact **Bia Carneiro** ([b.carneiro@cgiar.org](mailto:b.carneiro@cgiar.org)) [in](#)

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### CITATION

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<https://hdl.handle.net/10568/159503>

### INNOVATION READINESS JUSTIFICATION

We chose innovation readiness level 7 because the Climate Security Observatory is currently available publicly, but improvements and features are still under development. Launch events and several testing workshops with users were held in 2023.

### EVIDENCE

[shorturl.at/YWIHN](https://shorturl.at/YWIHN) [shorturl.at/K69ws](https://shorturl.at/K69ws) [shorturl.at/bgeZG](https://shorturl.at/bgeZG)

[shorturl.at/I2R2I](https://shorturl.at/I2R2I) [shorturl.at/BS4ou](https://shorturl.at/BS4ou) [shorturl.at/rEBWR](https://shorturl.at/rEBWR)