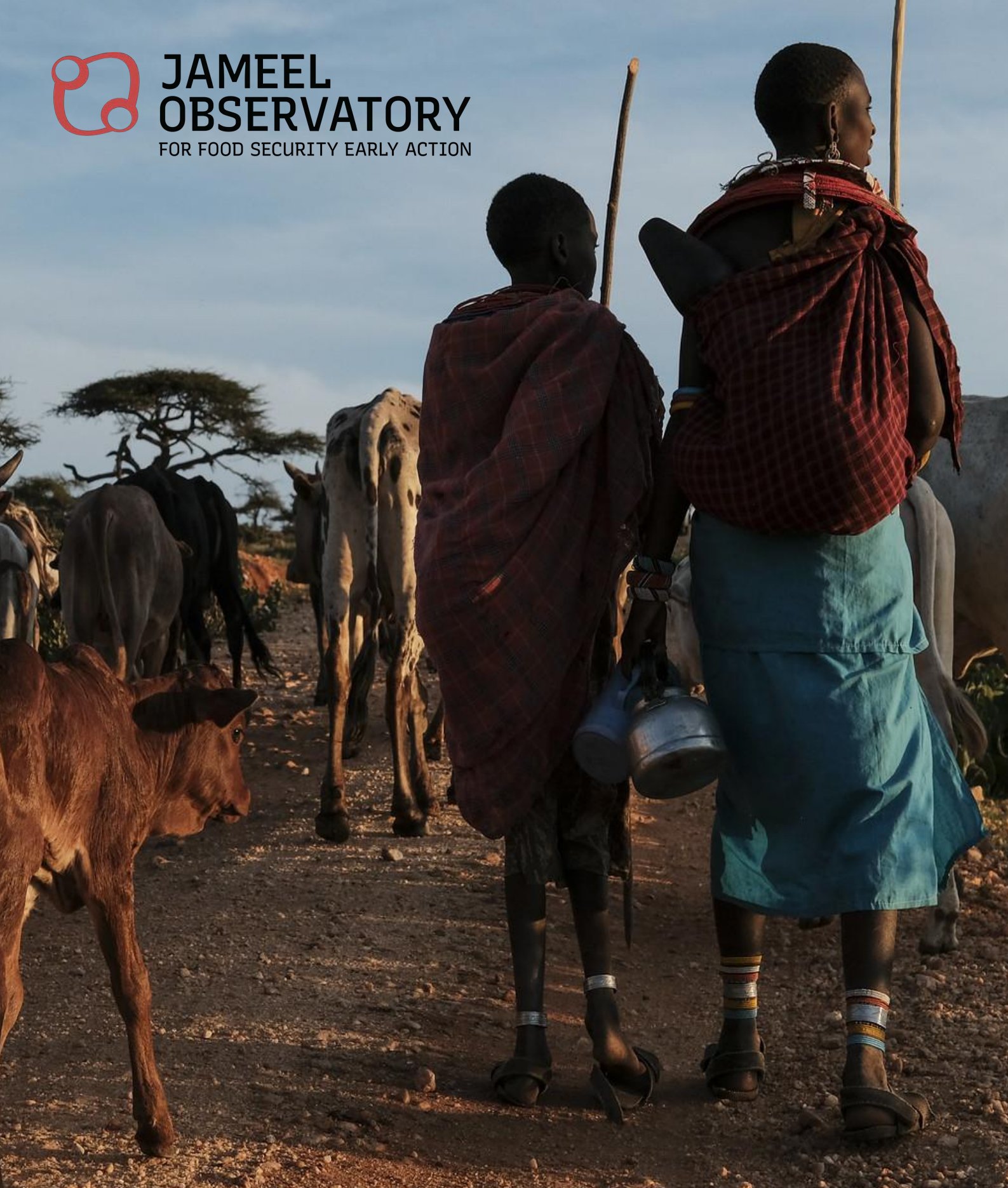




**JAMEEL  
OBSERVATORY**  
FOR FOOD SECURITY EARLY ACTION



**Report for the year to 30 June 2024**

**June 2024**

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# Acknowledgements

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We are grateful to Community Jameel for their generous philanthropic gift to the University of Edinburgh, which has enabled these activities, and to partners and co-investors whose involvement has significantly enriched and expanded our activities and potential impact.

## Acronyms

CoP	Community of Practice
CRDD	Center for Research and Development in Drylands
ILRI	International Livestock Research Institute
J-PAL	Abdul Latif Jameel Poverty Action Lab
PPG	Pastoralist Parliamentary Group, Kenya
SPARC	Supporting Pastoralism and Agriculture in Recurrent and Protracted Crises programme

## Introduction

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The Jameel Observatory for Food Security Early Action is a research for action initiative centred around the vision that vulnerable pastoral and agro-pastoral communities in target regions of East Africa are more prepared for and resilient to the effects of evolving environmental shocks and stresses on their food security and nutrition.

The partnership is led by the University of Edinburgh collaborating with the International Livestock Research Institute (ILRI), Save the Children, the Abdul Latif Jameel Poverty Action Lab (J-PAL) and Community Jameel. Based at ILRI in Nairobi, Kenya, we combine the local knowledge and concerns of communities facing on-the-ground threats of hunger with innovations in data science and humanitarian action; teaming up to devise solutions that can predict, prepare for, and overcome climate-related food security and malnutrition challenges in dryland areas.

The Observatory is centred around a Community of Practice (CoP) involving key food security early action stakeholders in East Africa.

The CoP has met physically on three occasions, most recently in May 2024, and has increased considerably in maturity with each iteration.

As initially envisaged, the CoP is the crucible in which the Observatory's activities are conceived and refined. The Challenge Questions which revolve around data, coordination, financing, trust and local anticipatory action which we developed at the inaugural meeting continue to guide our activities and to act as a filter through which we approach our work.

As indicated in the second report, our emphasis this year has been on research implementation, building our funding base and continuing to raise the Observatory's profile. In all three areas we have made progress as outlined below.

The report is structured around our five intervention areas: convening, research, collaboration, capacities and communication.

# Our agenda

The Observatory's work is framed around five challenges which emerged from our first face to face CoP meeting in April 2022. These challenges were identified as key blockers to more effective early warning and early action in the face of environmental shocks in East Africa.

The first challenge is to get the right **data** and information, in the right forms, into the right hands at the right times. Reliable, timely and accessible data - on climate, weather, water, vulnerable communities and so on - fuels decision making. The aim is to have more and better data and especially, to put it to good use.

The second challenge is to better **coordinate** warnings and actions to deliver more integrated plans and interventions. Droughts and other disasters require society-wide actions that respond to a crisis and build longer term resilience. The aim is to have organisations and communities work effectively together to achieve shared outcomes.

The third challenge is to mobilise and wisely utilise **finance** and other resources ahead of emergencies. Emergencies are unpredictable but release of funds is subject to rigid budget cycles and can be delayed by bureaucracy.

The aim is to find mechanisms for the necessary funding for early actions to reach communities quickly to avoid the worst effects of shocks.

The fourth challenge is to make sure that the knowledge and expertise of dryland **communities** are fully used in plans, actions and decisions of governments and other actors. Blends of community and scientific knowledge and data are likely to have greater relevance to vulnerable communities. The aim is to reinforce local and community voices and networks, building from below to enhance system resilience.

The fifth challenge is to enhance **trust** by individuals, communities and institutions in data, information and evidence. Despite the best efforts of many organisations, evidence shows that many warnings and associated guidance do not reach target populations or are not acted on. The aim is to increase people's confidence so they take appropriate actions and decisions.

## Challenge questions



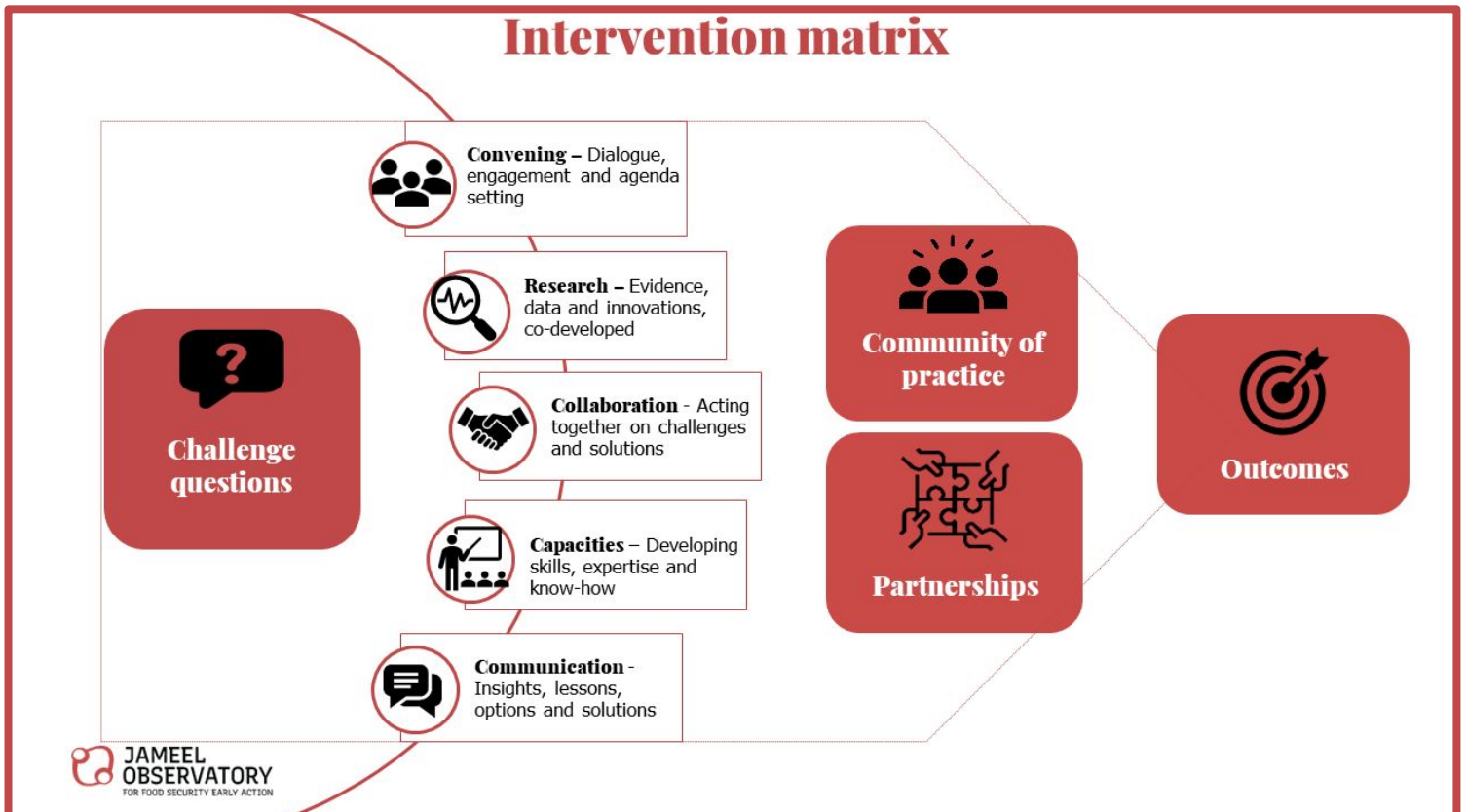
# Intervention areas

To operationalise our work on these challenges, our mission is to broker science, knowledge and real-world action that leads to inclusive solutions to the environmental food security and malnutrition shocks facing dryland communities of East Africa.

We see both local and scientific knowledge as part of these solutions.

Our CoP has critical roles, helping to identify, prioritise and deliver actionable research, learning and innovation.

We carry out this mission by convening dialogue, generating evidence, catalysing collaboration, developing capacities and communicating for change.





## Convening

Recognizing the need for effective and inclusive dialogue, we, alone or with partners, convene interaction and debate that brings real-world concerns into research and policy, brings evidence into policy processes, and gives space for different groups to formulate and review agendas and actions.

Annex 2 provides a list of events and activities that the Observatory joined, convened or co-convened. This area of our work is emerging as an important niche for the Observatory, connecting across research, evidence and practice and building bridges across pastoralism, food security, climate change, humanitarian and early action communities.

Looking back across the year, highlights include the climate-related Africa Climate Summit (ACS) and Dubai COP28 events in September and December 2023. In both, we partnered especially with Community Jameel and ILRI, engaging investors, as well as policy and decision makers across dryland food systems.

For our **COP28** side session, we worked with a powerful network and brought together insightful people talking about [early actions](#) for dryland adaptation and resilience. In parallel, we used the opportunity of a joint Community Jameel/Bill & Melinda Gates Foundation meeting on [Farming for our future](#) to announce plans for a Dryland Futures Academy.

For the **ACS** in Nairobi, we and partners joined several side events, organised by Community Jameel, ILRI and others, and spotlighting dryland early action interventions.

The highlight was perhaps our [‘actionhub’](#) event, in the form of a drama, where Observatory staff and partners shared strategies used by dryland communities as they respond to and recover from droughts and build resilience against future climate and environmental shocks.

Three other events from early 2024 were good examples of this convening role in action:

In February 2024, over fifty people from community organisations and pastoralist groups, governments and regional agencies, national and international humanitarian organisations and research institutes [met in Nairobi](#) to examine ways to overcome disconnects between policy and practice in pastoralist areas of East Africa. The aim was to look more closely at ways to ‘reset’ policies on East Africa’s drylands’ – so pastoralism is recognized and not renegotiated; so community resilience and reliability are valued and prized, and where actions and investments of governments and agencies are re-connected to local realities, relationships and contexts. The meeting was hosted by ILRI and co-organised with the Center for Research and Development in Drylands, (CRDD), the Observatory, and the Feinstein International Center of Tufts University.





In May 2024, as part of a research project on ‘linking short-term humanitarian response to long-term resilience’, thirty-five practitioners from humanitarian and development organisations joined a [roundtable discussion](#) to examine factors and practices that enable or inhibit both integration (and dis-integration) and alignment in the humanitarian-development nexus. The aim was to better understand and map features of institutional cultures and how they enhance or inhibit collaborative and integrated resilience and humanitarian programming in the Horn of Africa’s drylands. Participants took stock of practices that have enabled integration of resilience, humanitarian and community practices in drought management, and identified pathways to institutionalise some of these practices to better manage environmental and climatic shocks.

Led by Tahira Mohamed, the meeting attracted participants from across humanitarian and development organisations, building relationships and setting out key issues for her research project and its planned fieldwork.

Later in May 2024, we convened our [third community of practice](#) meeting at the ILRI campus in Nairobi. Attended by eighty people, it was an opportunity to jointly take stock of different activities of the Observatory and partners.

The agenda included an interactive research showcase, an early career poster session, news from our impact collaborations, opportunities for

participants to brainstorm promising innovations for rapid testing and dissemination, review capacity development needs and plan collaborative actions to advance dryland policy priorities in the region.

Looking ahead, these convening efforts have led to the Observatory being invited to help prepare and contribute to Kenya’s fourth Pastoralist Leadership Summit to be held in August 2024.



# Research

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We carry out and facilitate actionable research that contributes to our mission and guiding questions. Our research includes students doing PhD work, applied field studies in postdoctoral projects, applied problem-focused and policy research with partners and impact collaborations created to answer specific questions. Across all these and with partners, we aim to co-create the evidence that's missing.

All our research is rooted in the demand of end users and is guided by our Challenge Questions. An important aspect of this work is the emergence of an early career network of individuals who will, hopefully, become future leaders in these issues.

Annex 1 provides a list of knowledge products generated through the Observatory, including from the various lines of research and evidence-generation.



## **Research leadership**

In August 2023, [Nathan Jensen](#) joined the University of Edinburgh as a Senior Research Fellow working fully on the Jameel Observatory as Research Lead. Nathan is an applied economist working to reduce poverty and to mitigate its negative impacts. He holds a PhD in Applied Economics and Management from Cornell University.

He spent four years as a scientist/senior scientist for ILRI in Kenya. Nathan's research on poverty has focused on resilience to shocks, the role of social protection and financial tools for building resilience and economic growth, and innovative approaches to data collection. Much of this work has taken place among pastoralists in the Horn of Africa and has benefited from strong collaborations with a variety of partners including government agencies, UN organisations, universities, NGOs, private firms, and pastoralists. Nathan coordinates our research activities including convening our early career researchers group, leading the process for sifting research proposals submitted to our recent call and providing oversight for the impact collaborations.

## **Postgraduate research**

This year saw the appointment of three new Observatory PhD students.

[Sirimon Thomas](#) uses a One Health approach to understanding diverse food security drivers and the factors affecting and limiting early action to deal with food insecurity. These will include spatial and qualitative analysis of livestock/human gastrointestinal disease and network analysis of water resource access to understand spatial patterns and information flow.

Sirimon writes: "The past year has involved a lot of literature review, along with extensive networking and discussion with experts from diverse fields to understand and refine the various knowledge gaps that my PhD hopes to address. I made two pilot fieldwork trips to start building data collection and storage systems and analysis pipelines. I've also been setting up strong collaborations with ILRI in Nairobi".



## **Postgraduate research**

[Susan Njambi-Szlapka](#) focuses on the role of early and anticipatory action within agro-pastoral communities and their effects on behavioural change. Susan has been reviewing the global literature on why people prepare or don't prepare for predictable and predicted natural disasters with a focus on behavioural science literature. Much of this evidence comes from high-income countries with some from Asia but little from Africa and Latin America. But even in high-income countries household preparedness for disasters is very low suggesting that resource constraints are not enough to explain human behaviour in the face of disaster risk. Behavioural anomalies leading to lack of preparedness are many. These include for example our tendency to think we will not be affected (optimism bias), myopia, tendency to procrastinate, beliefs about our ability to prepare (self-efficacy) as well as external factors such as perceived norms about preparedness, trust in institutions etc. These findings suggest that beyond providing Early Warning information and resources to households to prepare for predicted disasters, Anticipatory Action interventions need to account for these behavioural anomalies to increase their effectiveness. Susan will be testing some of these ideas through mixed methods fieldwork in the coming year.



## **Postgraduate research**

[Abdishakur Diriye](#) is looking at appropriate financing mechanisms for pastoralists whose livelihoods depend on livestock and whose survival is intricately tied to the availability of water and pasture.

There are multiple existing financing challenges including false alarm risks, slow fund disbursements, lack of agreed-upon triggers, single indicator reliance, the mismatch between loan repayment requirements and pastoral income, and production seasonality.

Recognizing these challenges, Abdishakur aims to develop a framework for mobilising and delivering predictable and adequately targeted finances with oversight mechanisms for timely and transparent financial assistance for pastoralists.

The research will move into a fieldwork phase in the coming year using mixed methods including quantitative, and qualitative analysis

We also continue to host and support second and third year Jameel Observatory students:

- [George Tsitati](#) is researching locally led anticipatory measures to mitigate, adapt and respond to humanitarian crises.
- [Puff Mukwaya](#) is examining the economics of anticipatory actions on food security in vulnerable communities of East Africa.
- [John Mutua](#) is using satellite imagery and global data products to estimate livestock diets in Kenya and how these affect feed security and GHG emissions.
- [Michael Renfrew's](#) research uses machine learning and spatial regression models to better estimate livestock population estimates in East Africa using satellite imagery.

We also hosted two Masters students this year whose work has closely aligned with the Observatory. Sake Godana conducted her MSc research in Northern Kenya under the supervision of Tahira Mohamed, Guyo Roba and Hussein Wario (CRDD). Sake was registered at the University of Debrecen in Hungary. Her study set out to characterise climatic shocks that occurred for the last forty years, including their impacts on the Borana pastoralists and their livelihoods in Northern Kenya. The study further analysed the response measures taken by local people and their perspectives on the humanitarian responses. The aim was to unpack the synergies and areas of inconsistency to highlight the need for change in approaches in the face of drought and related shocks.

Xandru Cassar is conducting a research project as part of his Masters programme at Trinity College, Dublin. The objective of this research is to evaluate variation in the impact of insurance subsidies and explore the perspectives of livestock insurance stakeholders so as to identify subsidy targeting regimes which may improve the effectiveness of insurance programmes. Nathan Jensen is providing supervision from the JO side and the work is with the Irish NGO, Trocaire.



### **Postdoctoral research**

Together with the Supporting Pastoralism and Agriculture in Recurrent and Protracted Crises (SPARC) programme, we co-finance two postdoctoral projects at ILRI in Kenya.

[Samuel Derbyshire's](#) research exploring how to enhance the impact of anticipatory actions in the pastoral drylands has progressed well over the past twelve months. Following his initial phase of data collection in Turkana County (February-March 2024), he is shortly to embark on his final fieldwork in Marsabit County. In January 2024, he co-authored an ILRI policy brief exploring pathways toward centring pastoral knowledge in the design and implementation of humanitarian assistance programmes. In June 2024, he and colleagues published an academic article in the journal [Pastoralism: Research, Policy and Practice](#), exploring the policy and institutional pathways that have led to Kenya's current drought management capacities, and key future challenges for early warning systems in the region. Through a collaboration with the British Institute in Eastern Africa, Nairobi, he organised a workshop at the end of June 2024, bringing together policy makers, practitioners and researchers to identify challenges and opportunities for humanitarian assistance in Kenya's drylands.

### **Postdoctoral research**

[Tahira Mohamed's](#) research focuses on the nexus between short-term humanitarian response and long-term resilience programming in East Africa's pastoral settings and the lessons we can draw for food security early action. Tahira has conducted a literature review and prepared ethics approvals to undertake field work which is now underway.

As part of her research, in May 2024, Tahira organised a [workshop](#) on 'breaking silos among humanitarian and development programmes, which brought together a strong group of stakeholders to discuss the issues. Tahira has also participated in high profile panel discussions and presented at [seminars](#).



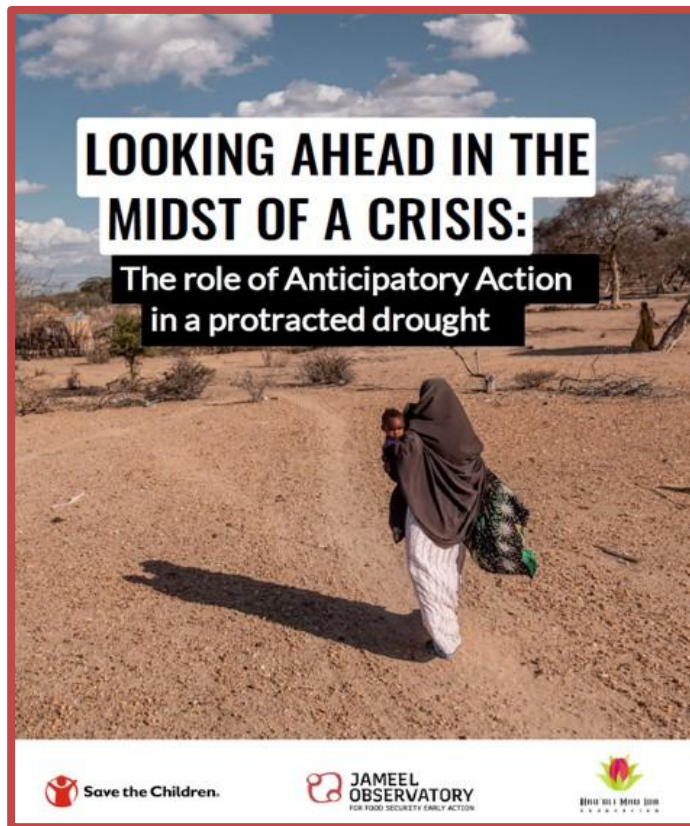
## **Commissioned research:** **Anticipatory action in protracted crises**

When the Observatory began in 2021, Community Jameel and Save the Children UK launched a Foundational Project to use a randomised controlled trial (RCT) to test the efficacy of anticipatory action in humanitarian contexts. This occurred during one of most protracted droughts in recent times which made establishing a baseline for the study challenging. The question of what anticipatory action looks like during a protracted crisis formed the topic of an early [mini-dialogue](#) with colleagues from Save the Children leading the conversation.

In 2023, the Observatory sponsored a research exercise led by Save the Children to explore the question in more detail. The report of this work was published in April 2024: [Looking ahead in a crisis – roles for anticipatory action in protracted drought](#). It makes various recommendations but among highlights are the observation that AA is more straightforward for acute shocks such as floods and hurricanes than for slower onset crises such as droughts.

It also points to the need to ensure basic infrastructure is sound to allow some flexibility as crises hit. The report concludes that although anticipatory action has important roles in protracted crises, it is unlikely to be sufficient to mitigate the full impact of any crisis.

The results were shared publicly through a [webinar](#), at our May 2024 CoP meeting, and were the basis for a meeting at the House of Lords to which key stakeholders were invited. Finally, the main points were shared in a wider stakeholder meeting in Kenya at the end of June.



## **New research projects**

In May 2024, we launched a call for proposals for 12 month projects that would work towards addressing the challenge questions identified by the community of practice in 2022. The call elicited 224 project proposals. After several rounds of screening and assessing, three proposals were selected for funding.

These represent research across a variety of domains, from employing earth observation data and machine learning methods to forecasting malnutrition rates in the drylands, to co-creation of early warning systems with pastoral communities. Importantly, as well as offering robust timelines for producing insights and outputs, the selected projects include partnerships with local and international organisations that will help ensure that the research leads to impacts. The three projects are due to report in September 2025.

We are supporting a small project to examine the extent to which shocks compound. This work is being done with researchers at Cornell University and represents a strategic investment in collaborations there and with Catholic Relief Services that which is funding the data as well as Cornell's expenses.



# Collaboration

We have a wide and ambitious agenda and we are a relatively small entity. To develop fresh ideas and to amplify our reach and outcomes, we have a strong focus on collaboration - among the Observatory's core partners and more widely.



Adding further data on wasting to build the time series/seasonal patterns along with further work on the geospatial covariate design should lead to a more accurate set of estimations for specific countries.

In March 2024, we launched our second impact collaboration process - '[Harvesting Resilience.](#)' Led by Urban Foresight (UK), the team, comprising i-shamba (Kenya), Maanshiil Consult (Ethiopia) and Omeva consulting (UK and Namibia) will recommend enhanced communication content and methods between early warning system providers and agro-pastoral and pastoral communities in Ethiopia and Kenya to increase the effectiveness of the early warnings and the anticipatory actions that can be taken in response to shocks. It grew out of our May 2023 call for organisations to find answers to the question: "How can we bridge the disconnects between early warning systems and the anticipatory actions of pastoral and agro-pastoral communities in the Horn of Africa?"

## Impact collaborations

For the past years, we have worked on an [impact collaboration process](#) with the Data for Children Collaborative at the University of Edinburgh. The big lesson of this past year was a realisation of the time needed to convene the potential partners, focus the question, devise the project and then do the contracting. We are working with the Data for Children Collaborative on a 'light' version for our future use.

In May 2024 we published the report of our [first impact collaboration](#) on seasonal estimates of child wasting. The results indicate that statistical models can establish seasonal patterns and estimate monthly wasting values using a range of covariates.

To overcome key data gaps, the authors recommend that predictive models and analyses include more diverse data and more specific geospatial metrics.

## Partnerships

Beyond these impact collaborations, since our last report, the Jameel Observatory has forged strong partnerships with CRDD and the Feinstein International Centre at Tufts University. Collaboration is operationalised through complementary and inter-related research and action projects, including, 'resilience from below: exploring local constructs of 'resilience' in the face of chronic uncertainty in the drylands (CRDD)' and 're-examining early warning systems and humanitarian responses in pastoral areas' (Tufts University).

The collaboration grew out of interactions at our 2023 CoP meeting, was reinforced by joint discussions on postdoctoral research in September 2023 and led to a [joint roundtable](#) "exploring policy linkages for effective early warning, anticipatory action, humanitarian response and resilience building in pastoral areas of the horn of Africa drylands" in Nairobi on 8th February 2024.



The policy dialogue brought together 40 policy-level actors, practitioners and researchers from Kenya and Ethiopia and, as well as mapping critical disconnects, participants identified several ‘collaborative actions’ to take forward. Several of these were followed up at the Observatory’s community of practice meeting in May where colleagues from CRDD and Tufts University actively participated.

Our partnership with the SPARC programme continues through the work of the two co-funded postdoctoral fellows at ILRI (their work is outlined above). SPARC has expressed interest to jointly support strategic dialogue in drylands and to further co-commission relevant research.

More recently, we are developing a partnership with Kenya’s Pastoralist Parliamentary Group (PPG) that comprises 103 Members of Parliament from pastoral areas. PPG was created in 1998 to mainstream pastoralist agendas within national political and policy processes. We are currently collaborating with the PPG and the Frontier Counties Development Council to develop the technical content and key policy messages for the forthcoming 4th pastoralist leaders’ summit to be held in Wajir county in August 2024.

The summit aims to overcome policy and financing bottlenecks to maximise the potential of dryland regions of Kenya.

More broadly, we joined three international networks in 2023. These were the Adaptation Research Alliance, the Anticipation Hub and the Risk-informed Early Action Partnership.





# Capacity development

We recognise that many of the issues we work on require technical capacities and skills. Following initial discussions at our [2023 CoP meeting](#), we started to flesh out a set of [capacity development](#) activities. We began with a scoping exercise to map current learning opportunities and content providers relevant to anticipatory action in the Drylands.

After this scoping and discussions with Kenyan universities, we developed the concept of a Dryland Futures Academy - announced at COP28 in Dubai.

To be hosted in Africa, the aim is to grow future leaders, expand 'dryland literacy' through continuing education for officials and practitioners, extend vocational to higher education opportunities, and mobilise learning opportunities for local communities.

The Academy proposes to build critical capacities through face to face, online and blended learning as well as through on the job fellowships and project opportunities.

With additional finance from the University of Edinburgh's 'Edinburgh-Africa Partnership Fund', we extended the initial scoping review and we convened a [workshop](#) to co-create the underlying educational principles for the Academy and draft core competencies for the various learning pathways and their target audiences. This **Education Framework** is now being reviewed by partners and we anticipate its official launch in Autumn 2024.

Building on this groundwork, a learning design workshop has been tentatively scheduled for Autumn 2024. This will develop specific educational materials tailored for one of our partner universities in the region, co-creating unique learning opportunities that address the identified educational gaps.

We continue to focus on working collaboratively with regional and international stakeholders to foster a robust educational environment capable of addressing the unique challenges faced by pastoralists in Drylands and the agencies who support them.

## Learning pathways



Dryland leaders: fellowships and mentoring for early-career and future leaders



Continuing education: taught and self-study short professional and technical courses



Academic and formal education: Undergraduate and postgraduate degrees and vocational training: opportunities for individuals to advance their learning on dryland issues



Community development: pastoralist communities sharing and gaining livelihood and resilience building knowledge and skills

# Communication

For our work to be successful, the evidence, the agendas, the narratives, the challenges and progress require purposeful communication and engagement. We communicate to reinforce and achieve our other interventions. We also use it strategically, to engage and inform key stakeholders and actors, to amplify authentic voices and to promote realistic narratives on drylands and pastoralism.

Early in 2024, we developed our strategy on communications and engagement. As well as supporting delivery of our theory of change, our communication and engagement priorities aim to support the Observatory's institutional resource mobilisation and partnership strategies by making our work visible, showing results and reinforcing trust in our capabilities. To do this, we identified five overall 'pathways' that we work with our consortium partners and others to achieve:

1. **POSITION.** Raise awareness and visibility of the Observatory among governmental agencies, NGOs, international partners, development partners and communities, showing value and mobilising support for its mission and activities.
2. **INFLUENCE.** With partners, inform and influence policy attention to drylands and food security early action, communicating the importance of these issues and investment priorities.
3. **REACH.** With partners, engage and leverage media attention to issues on the Observatory's agenda, strategically disseminating information, raising awareness and promoting authentic voices and solutions that matter.
4. **DISSEMINATE.** Proactively disseminate and communicate the outputs and results of Observatory research, dialogue, capacity development and collaboration activities to target audiences.
5. **ENGAGE.** Reinforce the Observatory's convening, collaboration and partnership ambitions by facilitating engagement, dialogue and information exchange around common interests.

## Communication and engagement pathways



Annex 1 lists the knowledge products generated through our various interventions - including posters and presentations, video recordings, dialogue and policy briefs, informative material, technical reports and a journal article.

Annex 2 lists the main engagement activities that we convened, co-convened or contributed to - these are often the venues where products are co-created or disseminated to. We additionally publish a series of website updates and social media posts that report on and disseminate these products and activities.

With strong Community Jameel support, we helped raise visibility for the Observatory's agenda and activities through various high-profile channels, including:

- 24 June 2024: Nader Diab of Community Jameel published an op-ed on 'early warning systems eliminate hunger – so why the lack of investment?' [jameelobservatory.org/early-warning-nader](https://jameelobservatory.org/early-warning-nader)
- 11 March 2024: Jameel Observatory partner principals George Richards (Community Jameel) and Appolinaire Djikeng (ILRI) published an op-ed calling for unified responses to anticipate and respond to future climate and environmental shocks. [jameelobservatory.org/farmers-review-africa](https://jameelobservatory.org/farmers-review-africa)
- 5 January 2024: Guyo Roba joined a 'Community Jameel x Afikra COP28 podcast' [jameelobservatory.org/pastoralism-and-food-systems-in-east-africa-and-the-arab-world/](https://jameelobservatory.org/pastoralism-and-food-systems-in-east-africa-and-the-arab-world/)
- 2 December 2023: Guyo Roba joined Impact Room podcast host Maysa Jalbout to discuss hunger and malnutrition. [jameelobservatory.org/impactroom\\_roba/](https://jameelobservatory.org/impactroom_roba/)
- 19 September 2023: Guyo Roba was interviewed on El Niño and what it could mean for livestock farmers in the region. [jameelobservatory.org/el-nino-roba/](https://jameelobservatory.org/el-nino-roba/)
- 11 July 2023: Guyo Roba was interviewed in CNN's 'Connecting Africa' programme. [jameelobservatory.org/connecting-africa-interview/](https://jameelobservatory.org/connecting-africa-interview/)

The main channels we use are a [website](#), a [Twitter](#) channel, and the University of Edinburgh's [open access repository](#).

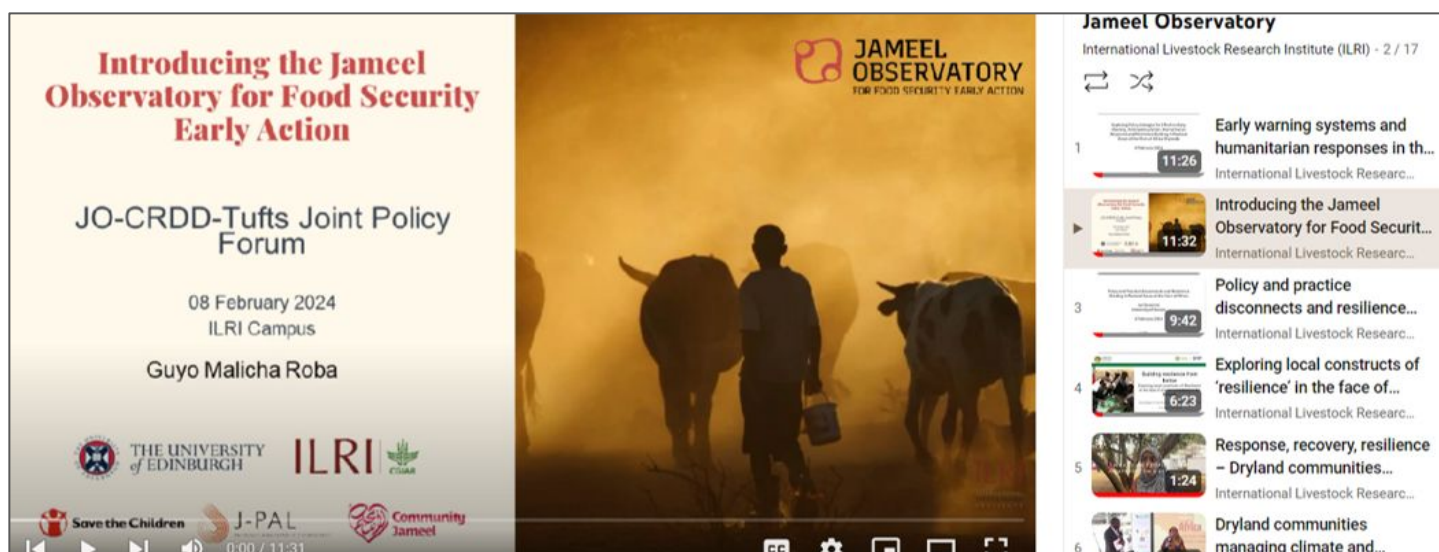
In the past year, we have additionally used space on ILRI's [YouTube](#) and institutional [repository](#) to disseminate video recordings and other products generated through the Observatory.

An online [Dgroups](#) platform is used to support information sharing among members of the CoP.



The tables below give an overview of our work and reach. We can see the various intervention areas accelerating, with numbers of products, web updates and engagement events increasing across the portfolio.

Period	Knowledge Products		Video		Web posts		
	Added	Downloads	Added	Views	Added	Visitors	Views
June 2021 - June 2022	4	654	1	99	11	2,202	6,160
July 2022 - June 2023	4	1619	0	55	25	3,687	9,030
July 2023 - June 2024	59	2667	17	1016	44	5,008	12,698



Period	Online community		Twitter account	
	Members	Growth	Followers	Growth
June 2022	48		249	
June 2023	145	+97	490	+241
June 2024	239	+94	773	+284

# Emerging outcomes

Our theory of change sets out our long term impacts, outcomes and outputs as well as change pathways and target actors and stakeholders. In 2024, we engaged a monitoring, learning and evaluation specialist to help us develop indicators that we can use to track our organisational and programmatic progress. This work is ongoing.

Here we highlight some emerging developments indicating progress towards results.

**Early career research network:** Most of our current research is undertaken by a set of PhD students and postdoctoral scientists starting their careers. To help develop a cohesive research agenda and to leverage synergies between research activities, we host monthly seminars among the early career researchers. As well as this Edinburgh-based group of early career researchers, we are also catalysing connections and collaborations with other early career researchers in the region, including from Tufts University, SPARC, CRDD and soon likely to involve dryland researchers from the University of Nairobi and other local universities. Self-organising and supported by the Observatory, the group is exploring opportunities to produce joint products and working together to advance dryland agendas. In line with our Academy vision, we are starting to see the emergence of future leaders in this space.

**Dryland Futures Academy.** In just a few months, we have built considerable momentum around the Dryland Futures Academy concept as a catalyst for coherent and collaborative drylands capacity development.

Although the Academy has not yet secured operational funding, the ideas and value propositions are firming up, there is a growing network of engaged people and institutions, and there is potentially scope to have different modules independently developed and funded.

**Trusted broker.** The Observatory and its staff are being recognised as a trustworthy voice and convenor of dialogue on dryland issues. The success of our recent roundtables and CoP meetings in attracting numerous and expert participants reflects both the relevance of the issues as well as the recognition by people of the Observatory's value addition.

As Annex 2 shows, participation in our events is matched by growing demands for Observatory staff, especially Guyo Roba, to participate in and contribute to events organised by others.

The coming year looks set to continue this trend, with the Observatory invited to support the upcoming Pastoral Leadership Summit in Kenya (August) as well as the ICPAC-hosted East Africa Regional Anticipatory Action Dialogue Platform meeting in October.

Becoming a valued and trusted actor in the various spaces where we work is important to our credibility, it opens opportunities for joint projects and other collaboration and it helps to legitimise our work and attract people to our CoP.



# Outlook 2024 - 2025

The coming eighteen months will see us reach the end of this investment phase by Community Jameel. With this in mind, in recent months, the core team within the Observatory has initiated several internal reflections, looking at our strengths, opportunities, aspirations and results and identifying important milestones, activities and results under each of our intervention areas.

A work in progress, some priority actions we want to see are:



**Convening:** building on observable strengths and demands, we want to translate these brokering and dialogue into other types of concrete interventions - such as research, capacity development or co-funding. We will have significant roles in the August 2024 Kenya Pastoral Leadership Summit and the October 2024 East Africa Regional Dialogue Platform on Anticipatory Action. We may also look to convene a high-level 'drought assembly' or similar with partners.



**Research:** we expect many of our research activities to mature and produce results and outputs. By late 2025, our two postdoctoral projects should be reporting, also the three new short research projects and the 'Harvesting Resilience' impact collaboration. As they advance, we also expect to see more outputs from our PhD projects. We plan to grow the early career research network.

Returning to randomised control trials, building on recent conversations, we are working with local and international partners to build research aimed at testing the extent to which anticipatory action at household levels is constrained by information or incomplete markets. Between June and August 2024, we will develop a strong concept note, which we will then use to secure funding.



**Communication.** We expect to release 2 short 'corporate' videos by the end of July as well as associated updated brief communication materials. With the increase in research outputs planned, we expect these will continue to be disseminated and communicated to people interested in the substance. We expect communication/engagement activities around upcoming events - CGIAR Science Week, the Pastoralist Leadership Summit (August 24), the East Africa Regional Dialogue Platform on Anticipatory Action (October 2024), the UNCCD COP conference (December 2024), and others to be planned. For our 2025 CoP meeting, we may change the timing/focus/format/venue to take advantage of the expected outputs and use it as a high-level dissemination/outreach event with partners. We tentatively expect to update the website design in 2025 and, hopefully, create a separate web domain and site for the Dryland Futures Academy.



**Capacity development.** Securing funding for the Dryland Futures Academy - for individual learning pathways, for the whole initiative, and for its core coordination and operations is a very high priority. We are in discussion with a number of funding bodies and hope to continue to work closely with Community Jameel in this effort.



**Collaboration:** Partners are involved in all the various interventions and we will continue to manage these relationships to achieve our goals. We expect to continue working closely with CRDD/Tufts University as well as the SPARC Programme. We are following up interest expressed by several organisations to explore joint impact collaboration projects. Within our core partnership, we hope that work on an RCT will be an opportunity to collaborate concretely with J-PAL



**Institutional development.** We will continue work on our monitoring, evaluation and learning framework and indicators so we can measure, where possible, progress to outcomes set out in our theory of change. We will continue to develop proposals for research funding calls as well as developing stand-alone concept notes to use for conversations with partners and prospective donors to win further bilateral funding for the Jameel Observatory.

Finally, we will devote energy to developing ideas for a further phase of core funding for the Observatory, building on the foundations of Phase 1 but refreshing the programme and building in new elements.



# Annex 1: Knowledge products

The following products and outputs were generated through the Observatory's work during the reporting period.

Type	Product
Brief	Derbyshire, Samuel F., Mohamed, T., Banerjee, R., Hassan, R. and Rogei, D.S. 2024. Anticipatory action in the drylands: steps toward centring pastoralist knowledge. ILRI Policy Brief 42. Nairobi, Kenya: ILRI.
Brief	Jameel Observatory for Food Security Early Action. 2023. Data-driven early warning, prediction and analysis for well-coordinated and directed food security action in East Africa's drylands. Discussion Brief 3. Edinburgh: University of Edinburgh
Brief	Jameel Observatory for Food Security Early Action. 2023. Enablers and blockers for effective anticipatory action against food crises in East African drylands. Discussion Brief 2. Edinburgh: University of Edinburgh
Brief	Jameel Observatory for Food Security Early Action. 2023. Integrating community knowledge to advance early warning and anticipatory action in drylands of the Horn of Africa. Discussion Brief 4. Edinburgh: University of Edinburgh
Brief	Jameel Observatory for Food Security Early Action. 2023. The definition and timing of anticipatory action to tackle food crises in East Africa: do they matter? Discussion Brief 1. Edinburgh: University of Edinburgh
Brief	Jameel Observatory for Food Security Early Action. 2023. Theory of Change narrative. University of Edinburgh Global Academy of Agriculture and Food Security
Brief	Jameel Observatory for Food Security Early Action. 2024. De-risking, financial security and safety nets for more resilient and food-secure communities in the Horn of Africa. Discussion Brief 6. Edinburgh: University of Edinburgh
Brief	Jameel Observatory for Food Security Early Action. 2024. Livestock as pathways to food secure and resilient ecosystems in the Horn of Africa. Discussion Brief 5. Edinburgh: University of Edinburgh
Journal Article	Derbyshire, Samuel F., Banerjee, R.R., Mohamed, T.S. and Roba, G.M. 2024. Uncertainty, pastoral knowledge and early warning: A review of drought management in the drylands, with insights from northern Kenya. Pastoralism: Research, Policy and Practice 14:13006.
Journal Article	Jensen, N., Teufel, N., Banerjee, R., Galgallo, D. and Shikuku, K.M. 2024. The role of heterogenous implementation on the uptake and long-term diffusion of agricultural insurance in a pastoral context. Food Policy 125:102644

Poster	Derbyshire, Samuel F. 2024. Enhancing anticipatory action in the drylands. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Diriye, Abdishakur. 2024. Access to and use of finance for pastoralists facing droughts in Somalia. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Hassan, Rahma. 2024. Re-examining Early Warning Systems and Humanitarian Responses in Pastoral Areas of Northern Kenya and Southern Ethiopia: Initial Findings. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Jameel Observatory for Food Security Early Action. 2023. Dryland communities managing climate shocks: Response, Recovery, Resilience. 3 Posters. Edinburgh: University of Edinburgh Global Academy of Agriculture and Food Security
Poster	Jameel Observatory for Food Security Early Action. 2024. Introducing the Jameel Observatory for Food Security Early Action. Poster. Nairobi, Kenya: International Livestock Research Institute
Poster	Jilo, Roba. 2024. Impacts of land use policy in Kenya's drylands: The case of Waso Borana. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Mohamed, Tahira Shariff. 2024. Breaking silos: Towards effective integration of humanitarian and resilience programmes in the Horn of Africa. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Mukwaya, Puff Ray. 2024. Economics of anticipatory action . Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Mutua, J.Y. 2024. Quantifying livestock diet composition in Kenyan livestock systems. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Njambi-Szlapka, Susan. 2024. Anticipatory action and behavioural change. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action

Poster	Thomas, Sirimon. 2024. Water, Health, Food: Operationalizing One Health to understand socio-ecological system dynamics in pastoral communities in northern Kenya. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Tsitati, George. 2024. Assessing locally-led anticipatory action options to counter climate-induced humanitarian crises in East Africa . Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Poster	Wachira, Jackson W. 2024. The impact of community-based conservation on pastoralists - climate change adaptation in northern Kenya. Poster presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: Jameel Observatory for Food Security Early Action
Presentation	Belay, Berhanu and Demissie, Teferi. 2024. Capacity building on Climate Education: AICCRA experiences. Presented at Drylands Academy Educational Framework Development Workshop, Nairobi, 9-10 May 2024. Addis Ababa: International Livestock Research Institute
Presentation	Mohamed, Tahira Shariff. 2024. Breaking Silos: Towards effective integration of humanitarian aid and resilience programming. Presented at Breaking Silos: Improving integration and coordination in the design and delivery of humanitarian and resilience building programs in drylands of the Horn of Africa, Nairobi, 7 May 2024. Nairobi: International Livestock Research Institute
Presentation	Mutua, J.Y., Duncan, Alan J., Fraval, S., Robinson, T., Notenbaert, A., Watmough, G. 2023. Exploring the role of seasonal variation in livestock feed composition on diet quality and methane emissions in Kenyan livestock. Presented at the the 8th All Africa Conference on Animal Agriculture, Gaborone, Botswana, 26-29 September 2023. UK: University of Edinburgh.
Presentation and Video	Alemayehu, S. 2024 Enhancing pastoralists' resilience through human-centered early warning and action. Presented at Jameel Observatory for Food Security Early Action Community of Practice Meeting, Nairobi, 14-15 May 2024. Addis Ababa: Bioversity International and CIAT.
Presentation and Video	Bett, Bernard and Dhulipala, R. 2024. Predicting risks and guiding animal health actions in Kenya's arid and semi-arid lands. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Nairobi, Kenya: ILRI.
Presentation and Video	Grossi, Amanda. 2024. From Generation to Use of Climate Information in African Agriculture: Insights from the AICCRA project. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. New York: Columbia University

Presentation and Video	Hassan, Rahma and Wario, Hussein Tadicha. 2024. Building resilience from below: Exploring Pastoralists high reliability networks in Northern Kenya. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Nairobi: Center for Research and Development in Drylands
Presentation and Video	Hassan, Rahma et al. 2024. Re-examining Early Warning Systems and Humanitarian Responses in Pastoral Areas of the Sudano-Sahel and the Greater Horn of Africa. Presentation at a Policy Dialogue on Pastoralists' Resilience in the Horn of Africa Drylands, Nairobi, 8 February 2024. Nairobi, Kenya: International Livestock Research Institute
Presentation and Video	Mohamed, Tahira Sharriff. 2024. The moral economy behind the commoditisation of camel milk in northern Kenya. Presented at a University of Nairobi Institute of Development Studies webinar, 21 March 2024. Nairobi, Kenya: ILRI.
Presentation and Video	Mutiso, Stephen and Swift, Laura. 2024. Looking ahead in the midst of a crisis: roles for anticipatory action in protracted droughts. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Nairobi: Save the Children
Presentation and Video	Osumba, Joab and Jebiwott, Alice. 2024. Community-Based Participatory Digital Mapping of Pastoralist Resources and Their Attributes. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Nairobi: Adaptation Consortium
Presentation and Video	Roba, Guyo Malicha. 2024. Introducing the Jameel Observatory for Food Security Early Action. Presentation at a Policy Dialogue on Pastoralists' Resilience in the Horn of Africa Drylands, Nairobi, 8 February 2024. Nairobi, Kenya: International Livestock Research Institute
Presentation and Video	Scoones, Ian. 2024. Policy and practice disconnects and resilience building in pastoral areas of the Horn of Africa. Presentation at a Policy Dialogue on Pastoralists' Resilience in the Horn of Africa Drylands, Nairobi, 8 February 2024. Nairobi, Kenya: International Livestock Research Institute
Presentation and Video	Wario, Hussein Tadicha. 2024. Building resilience from below: Exploring local constructs of 'Resilience' in the face of chronic uncertainty in the Drylands. Presentation at a Policy Dialogue on Pastoralists' Resilience in the Horn of Africa Drylands, Nairobi, 8 February 2024. Nairobi, Kenya: International Livestock Research Institute
Presentation and Video	Wasonga, Oliver V. 2024. Indigenous Early Warning System among pastoralist communities in Karamoja, Uganda. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Nairobi: University of Nairobi
Presentation and Video	Watmough, Gary and Odipo, Victor. 2024. Exploring seasonality in wasting prevalence using satellite data - Exploring the impact of survey timing. Presented at Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: University of Edinburgh

Report	Jameel Observatory for Food Security Early Action. 2023. Notes from the Community of Practice meeting, Nairobi, 9-10 May 2023. Edinburgh: University of Edinburgh Global Academy of Agriculture and Food Security
Report	Jameel Observatory for Food Security Early Action. 2024. Notes from the Community of Practice meeting, Nairobi, 14-15 May 2024. Edinburgh: University of Edinburgh Global Academy of Agriculture and Food Security
Report	Morinere, Lezlie C., Tozier de la Poterie, Arielle, Swift, Laura and Schofield, Lilly. 2024. Looking ahead in the midst of a crisis: The role of anticipatory action in a protracted drought. London: Save the Children.
Report	Watmough, Gary, Agarwal, S., Singh, N., McNeill, G., Hornby, D., Igobwa, A., Odipo, V., Seth, S., Sovoe, S., Johnston, R., Waldock, I. 2024. Final report - How can we produce a time series of country-level childhood wasting estimates, accounting for seasonality: exploring the impact of survey timing? Edinburgh: University of Edinburgh Data for Children Collaborative
Thesis	Duba, Sake Godana. 2024. Assessing response disconnects in cascading climate change impacts and stressors in northern Kenya. MSc Thesis. Debrecen: University of Debrecen
Video	Derbyshire, Samuel F. 2024. Re-thinking vulnerability? emerging insights from fieldwork in northern Kenya. Presented at the Jameel Observatory for Food Security Early Action Community of Practice meeting, Nairobi, 14-15 May 2024. Nairobi: ILRI
Video	Jameel Observatory for Food Security Early Action and International Livestock Research Institute. 2023. Dryland communities managing climate and environmental shocks - response, recovery, resilience. Video. Nairobi, Kenya: International Livestock Research Institute
Video	Jameel Observatory for Food Security Early Action and International Livestock Research Institute. 2023. Response, recovery, resilience - Dryland communities managing climate and environmental shocks. Video. Nairobi, Kenya: International Livestock Research Institute

## Annex 2: Engagement milestones

The Observatory convened, joined or contributed to the following events and activities during the reporting period.

- 27 June 2024, Nairobi: The Jameel Observatory co-convened a technical workshop led by IAWG and Save the Children UK on ‘How can we embed Anticipatory Action within wider Resilience-Building efforts?’
- 19-20 June 2024, Nairobi: Guyo Roba presented the Observatory’s work at a ‘Regional and International Partners’ Workshop on African Pastoral Market Development Platform’ convened by the African Union – Interafrican Bureau for Animal Resources, funded by the Bill & Melinda Gates Foundation.
- 19-20 June 2024, Nairobi: Nathan Jensen participated in a ‘Climate Change, Insurance and Conflict Workshop’ hosted by ILRI.
- 18 June 2024, Nairobi: Nathan Jensen participated in a ‘DRIVE M&E and Research and Impact Workshop’ on findings from our impact assessment to date, attended by government officials from Ethiopia and Kenya, World Bank senior and project management teams, Zep-RE team, and the research collaboration.
- 1 June 2024, Virtual: Tahira Mohamed spoke at a webinar ‘Ethical camel dairying: why camels should not go the way of the cow’.
- 23 May 2024, London: Guyo Roba and Tahira Mohamed participated in a House of Lords meeting co-convened with Save the Children and Community Jameel on ‘Early warning systems, anticipatory action, tackling hunger and insecurity.’
- 16 May 2024, Nairobi: Guyo Roba gave a keynote address at a High-level Roundtable on Private Sector Engagement in the Drylands, organised by the Netherlands Embassy and the Drylands Learning and Capacity Building Initiative.
- 14-15 May 2024, Nairobi: Jameel Observatory convened its third Community of Practice meeting. <https://jameelobservatory.org/cop3-nairobi/>
- 9-10 May 2024, Nairobi: The Jameel Observatory convened a Dryland Academy Educational Framework Development Workshop. <https://jameelobservatory.org/academy-education-framework/>
- 7 May 2024, Nairobi: The Observatory co-convened a technical workshop with ILRI and SPARC on ‘Breaking Silos: Improving integration and coordination in the design and delivery of humanitarian and resilience building programs in drylands of the Horn of Africa.’ <https://jameelobservatory.org/breaking-silos/>
- 2 May 2024, Virtual: Laura Swift spoke at an Observatory webinar ‘Looking ahead during a crisis – roles for anticipatory action in protracted droughts’. <https://jameelobservatory.org/aa-in-a-crisis/>

- 24-26 April 2024, Boston: Geoff Simm, Alan Duncan and Nathan Jensen participated in an exchange workshop with JO-CREWSET at MIT with side visits including presentations to J-PAL and Tufts University Feinstein Centre.
- 23 April 2024, Virtual: Tahira Mohamed was interviewed in the SPARC ‘*Dynamic Drylands*’ podcast episode. [www.youtube.com/watch?v=xBx2GXhxb2s](https://www.youtube.com/watch?v=xBx2GXhxb2s)
- 28 March 2024, Virtual: Guyo Roba spoke at a webinar ‘Global villain, local saviour? - what's the role of livestock in sub-Saharan Africa.’ <https://jameelobservatory.org/livestock-roles-impacts/>
- 27 March 2024, Virtual: Gary Watmough spoke at an Observatory webinar ‘Improving childhood wasting estimates to better account for seasonality.’ <https://jameelobservatory.org/seasnut-report/>
- 21 March 2024, Virtual: Tahira Mohamed gave a seminar on camel milk marketing at the University of Nairobi’s Institute of Development Studies. <https://jameelobservatory.org/moral-economy-camel-milk/>
- 15 March 2024, Edinburgh: ‘[Annual Symposium of the Global Academy of Agricultural and Food Systems](#), Supporting Food Systems Transformation with Data’
- 7 March 2024, Nairobi: Guyo Roba participated in a panel on livestock production efficiency at the Kenya Live Animal and Meat Traders Forum.
- 28 February 2024, Virtual: Nathan Jensen participated in a panel in the USAID-funded ‘[Behavioral Economics Forum: Lessons from Behavioral Economics to Strengthen Development, Programming and Policy](#).’
- 8 February 2024, Nairobi: The Observatory co-convened a policy dialogue with CRDD and Tufts University on ‘Exploring Policy Linkages for Effective Early Warning, Anticipatory Action, Humanitarian Response and Resilience Building in Pastoral Areas of the Horn of Africa Drylands.’ <https://jameelobservatory.org/pastoralist-disconnects/>
- 19 December 2023, Virtual: Susan Njambi-Szlapka moderated a webinar ‘Localised Anticipatory Action: Panacea and Pitfalls.’ <https://jameelobservatory.org/aa-localisation/>
- 6 December 2023, Dubai: The Observatory co-organised a COP28 food systems pavilion session ‘Land, Livestock and Livelihoods – Early actions for dryland adaptation and resilience.’ <https://jameelobservatory.org/cop28/>
- 5 December 2023, Dubai: Guyo Roba facilitated a Kenya Pavilion side event discussion organised by Marsabit County government to discuss ‘The future of pastoralism in the face of changing climate; financing locally led climate action to sustain local adaptation and mitigation measures in Africa.’
- 1 December 2023, Dubai: Guyo Roba participated in a meeting on ‘Farming for our future: Growing climate resilience’ - convened by Community Jameel and the Bill & Melinda Gates Foundation. <https://www.communityjameel.org/whats-on/cop28-food-systems-breakfast>
- 13 October 2024, Nairobi: Guyo Roba was a panellist at the NGO Film Festival session on ‘how storytelling can help simplify scientific discoveries and build an ecologically-conscious population.’

- 8 September 2023, Nairobi: Jameel Observatory hosted climate activation actionhub ‘Response, Recovery, Resilience – Voices and images from dryland communities managing climate and environmental shocks’. <https://jameelobservatory.org/acw23/>
- 7 September 2023, Nairobi: Guyo Roba spoke at ACS side session ‘Pathways to sustainable production and resilient livelihoods: building a common African livestock narrative.’ <https://jameelobservatory.org/acw23/>
- 7 September 2023, Nairobi: Kelvin Shikuku (ILRI), Steve Mutiso (Save the Children) and Tahira Mohamed (Jameel Observatory) spoke at ACS parallel session ‘The role of social protection and adaptive social safety nets.’ <https://jameelobservatory.org/acw23/>
- 6 September 2023, Nairobi: Guyo Roba spoke at ACS side session ‘Climate and Health Solutions: Close Up – Putting a human face to the climate imperative.’ <https://jameelobservatory.org/acw23/>
- 4 September 2023, Nairobi: Guyo Roba spoke at Community Jameel ACS side session ‘Investing in South-led science and innovation for a just and equitable climate finance framework.’ <https://jameelobservatory.org/acw23/>

## Annex 3: Observatory staff and students

- Geoff Simm - Co-Director of the Jameel Observatory, University of Edinburgh
- Alan Duncan – Project lead, University of Edinburgh
- Guyo Malicha Roba – Head of the Jameel Observatory for Food Security Early Action, ILRI
- Nathan Jensen – Research lead, University of Edinburgh
- Chloe Kippen - Resource mobilisation, University of Edinburgh
- Darren Watt – Business management, University of Edinburgh
- Peter Ballantyne – Communication and engagement lead, University of Edinburgh
- Samuel Derbyshire – Postdoctoral Fellow
- Tahira Mohamed – Postdoctoral Fellow
- Abdishakur Diriye – PhD student
- George Tsitati – PhD student`
- John Mutua – PhD student
- Michael Renfrew – PhD student
- Puff Mukwaya – PhD student
- Sirimon Thomas – PhD student
- Susan Njambi-Szlapka – PhD student
- Fiona Borthwick - Drylands education, University of Edinburgh
- Oluyinka Opoola - Drylands education, University of Edinburgh
- Cynthia Mugo - Policy engagement, ILRI
- Christy Macleod - Administration, University of Edinburgh

The Jameel Observatory for Food Security Early Action is an international partnership led by University of Edinburgh collaborating with the International Livestock Research Institute (ILRI), Save the Children, the Abdul Latif Jameel Poverty Action Lab (J-PAL) and Community Jameel.

Based at ILRI in Nairobi, Kenya, we combine the local knowledge and concerns of communities facing on-the-ground threats of hunger with innovations in data science and humanitarian action; teaming up to devise solutions that can predict, prepare for, and overcome climate-related food security and malnutrition challenges dryland areas.

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