

CRISIS ANALYSIS TEAM

Analytical tools and services to rapidly inform complex crisis responses

We combine traditional research methods with powerful data science tools to help organizations navigate complex, high-risk environments impacted by climate change and conflict. Our approach strengthens decision-making across the aid sector by providing rich insights into crisis contexts.



We improve outcomes for communities by bringing clarity to complex crisis environments



Photo Credit: Nigeria 2024 – Ezra Millstein/Mercy Corps

Our analysis is grounded in local contexts and conflicts, helping humanitarian, development, and peacebuilding actors design solutions to better equip communities facing complex crises. As a part of Mercy Corps, we combine independent analysis with direct programmatic experience, allowing us to provide actionable and targeted messages that strengthen sectorwide responses.

“The briefings and products of the HAT [Libya Crisis Analysis] are first-rate. The insight shared is difficult to obtain elsewhere, given the complexity of Libya, its fragmentation, and mass disinformation campaigns. The HAT puts it into perspective.” – Donor Government Embassy

Through trend monitoring, risk forecasting and deep-dive thematic analysis, we help ensure that donor investments create measurable, sustainable impact through coordinated and context-sensitive interventions – even in the most challenging operational environments.

Bringing clarity to crisis situations



Qualitative data collection through local networks



Context monitoring to track what's happening now



Geospatial analysis to understand where things are happening



Forecasting to understand what might happen next

For over ten years, we've been leaders in analyzing crisis situations where reliable data is challenging to obtain and interpret. We share our analysis widely in the sector – not just through reports, but also by actively engaging with partners, promoting joint evidence-based planning, and using our broad networks to support informed, coordinated responses. We have implemented the Crisis Analysis approach in more than 20 fragile and conflict-affected countries, through a team of more than 60 analysts, data scientists, and subject-matter experts.

CRISIS ANALYSIS PRODUCTS & SERVICES



Context monitoring



Thematic analysis



Data dashboards



Tracking trends and identifying risks



Scenario forecasting



Rapid analysis in response to shocks

“The analytical support provided by LCAT [Lebanon Crisis Analysis Team] in the risk monitoring exercise since its inception in late 2022 has been very useful. With the buy-in of the Humanitarian Country Team [HCT], the exercise produced a first report on key risks and how they were developing over time to keep the HCT and sectors informed in their emergency preparedness and response efforts.” – UN OCHA

We tailor our analysis approach for each country depending on user needs and the local data landscape. Our analysis products are designed to support aid actors working across the nexus – addressing urgent humanitarian needs while informing longer-term strategies that tackle the root causes of protracted crises. Drawing on our experience as an implementing organization, our insights are tailored to the operational realities faced by HDP actors. We understand what responders need because we are responders ourselves.

Crisis Analysis in Action

In Yemen, we overcame data availability challenges to measure how cash assistance generates further economic activity in local markets. Understanding this multiplier effect allowed donors and implementers to better target their assistance and adjust their programs to promote greater economic resilience among communities.



[Read the Yemen cash multiplier effect study](#)

In Myanmar, we analyzed the interplay of conflict factors and impacts of the March 2024 earthquake.

We visualized these variables on an on an interactive dashboard and provided accompanying flash reports to support access strategies and response targeting. Users said that our analysis resulted in the selection of additional programming areas to those identified in other standard needs assessments.



[Access the Myanmar earthquake and conflict dashboard](#)

In Syria, we trained government officials on our bespoke platform that uses remote sensing to provide near real-time monitoring of agricultural health in any area of the country. This tool supports strategic decision-making and monitoring and evaluation in a complex post-conflict environment to improve agricultural interventions and their outcomes.



[Access the Syria agricultural health monitoring dashboard](#)

When Ebola broke out in the DRC, we helped counter misinformation by talking to local communities and conducting surveys. We worked with young people, community leaders and sector partners to adapt programs, build trust and correct rumors. This improved health outcomes and created stronger bonds with local communities.



[Read the DRC learning brief](#)

In Lebanon, we used satellite imagery to assess damage to civilian infrastructure in conflict hotspots. This analysis was used to develop a model to understand the relationship between conflict intensity and on-the-ground damage. We then projected rebuilding costs to inform reconstruction efforts and post-conflict recovery.



[Read the Lebanon conflict damage report](#)

Understanding Crises: Our Approach

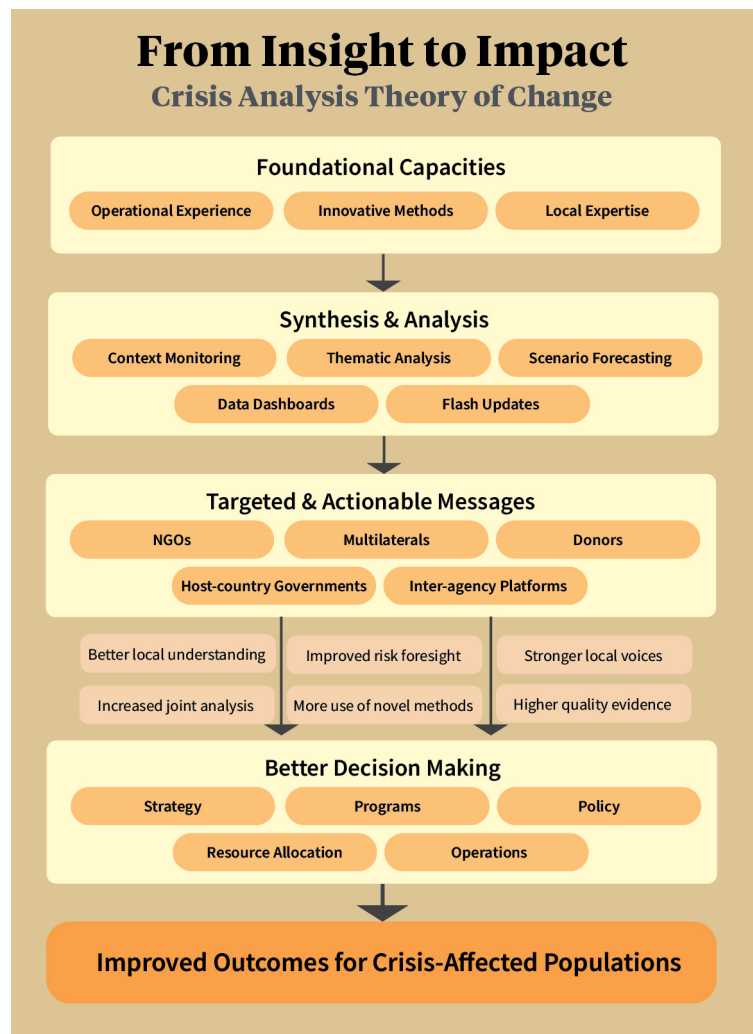
Our field teams combine deep contextual expertise, local networks and Mercy Corps' operational experience to deliver insights shaped by those closest to the challenges on the ground. We aggregate data from sector partners and use powerful data science tools to distill complex information into clear messages. Through continuous monitoring, our teams issue alerts on emerging risks and impacts. This allows users to adapt programs and implement mitigation measures in anticipation of threats and shocks.

"We have based our response plan on the scenario mapping and analysis developed by LCAT ... the economic analysis has served to inform the modalities identified in the response framework." – INGO Representative

We support decision makers – including donors, NGOs, multilaterals, governments, and coordination bodies – with a range of services:

- **Written reports:** Regular trend monitoring, forecasting, and thematic deep dives
- **Briefings and workshops:** Timely, tailored sessions addressing user priorities needs
- **Interactive dashboards:** On-demand access to key data and insights

Together, these tools drive timely, context-sensitive and risk-informed decisions at every level – from programs and operations to strategy, policy and resource allocation.



Applying Analysis for Crisis Response and Planning



RISK MITIGATION

We gather and analyse information and work with local stakeholders to support safe and effective aid delivery.

Our team provides comprehensive, practicable analysis to assist aid response actors in their daily work and future planning.

- **Early warning**
- **Tracking misinformation**
- **Risk indicator monitoring**



DECISION MAKING SUPPORT

Our teams work directly in crisis-affected areas to provide near real-time situation updates and recommendations for responders.

By aggregating and distilling available data into targeted messages, we help decision makers take timely and effective action.

- **Rapid analysis**
- **Strategic planning support**
- **Data simplified into actionable insights**



LOCAL KNOWLEDGE

We examine how social, political, economic, regulatory and environmental factors interact in crisis settings.

This supports response actors to design locally grounded, conflict-sensitive solutions that work with, not against, the local context.

- **Political and social context**
- **Conflict and migration tracking**
- **Key local stakeholder relationships**

**Click below to find out more about select Crisis Analysis teams
from across our global network**



**UKRAINE CRISIS
ANALYSIS TEAM**



DR CONGO



Recent publications:

[After Assad: An Overview of Syria's Complex Transition](#)

[DRC CAT Monthly Displacement Report - May 2025](#)

[Kabul's Water Crisis: An Inflection Point for Action](#)

[Examining Night Light Satellite Imagery as a Tool for Analysis and Aid Response](#)

[Can the Middle East Survive Without Ukrainian Wheat?](#)

**We strengthen humanitarian impact through timely, credible, and
actionable insights that drive better outcomes for communities in crisis**

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