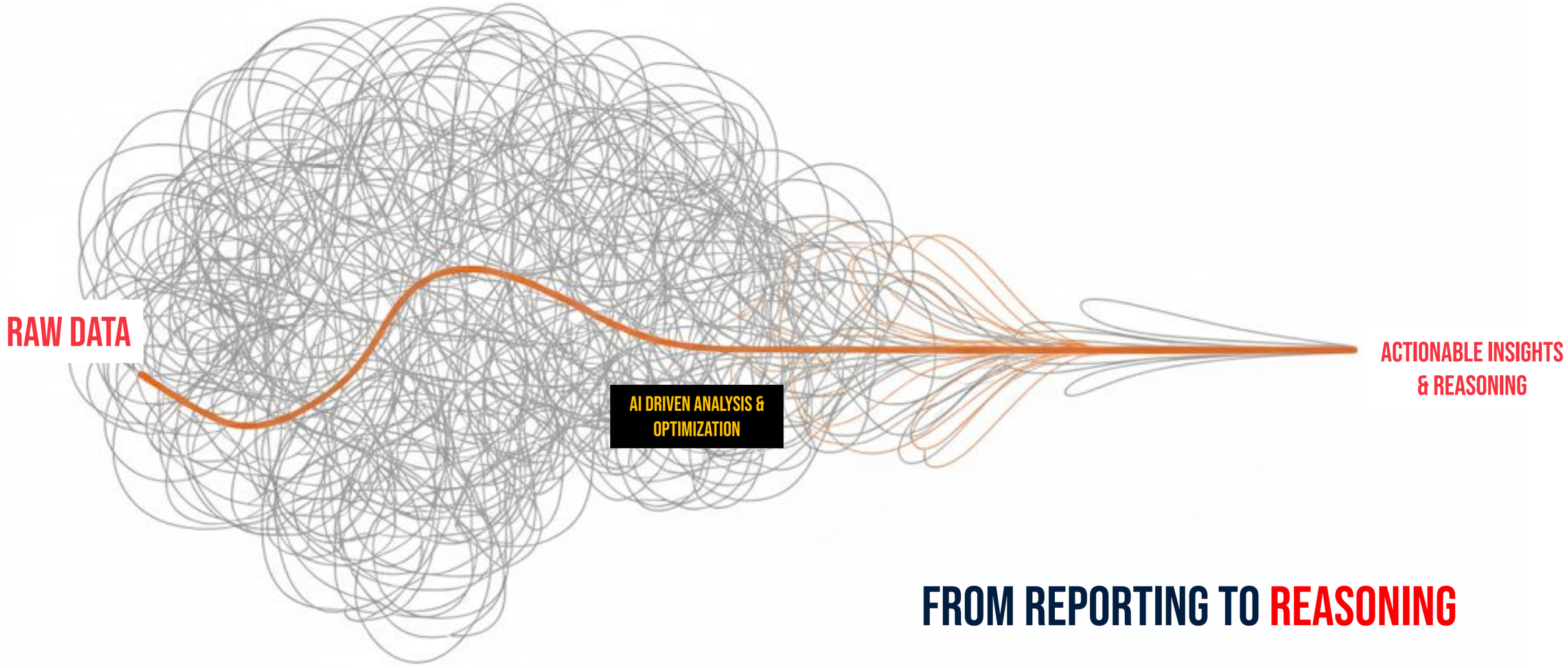
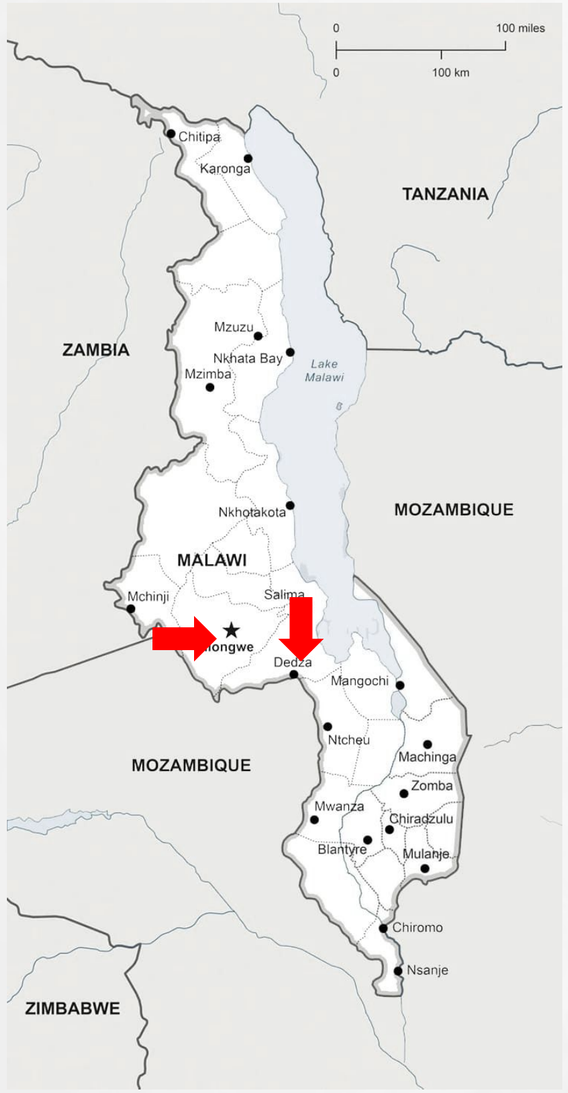
USING AI TO OPTIMIZE HEALTH SERVICE DELIVERY AND OPERATIONS



FROM REPORTING TO REASONING

WE HAVE THE DATA. WHY DON'T WE ALWAYS ACT ON IT IN TIME?

COVERAGE IS NOT IMPACT



THE METRICS
(SUCCESS ON PAPER)

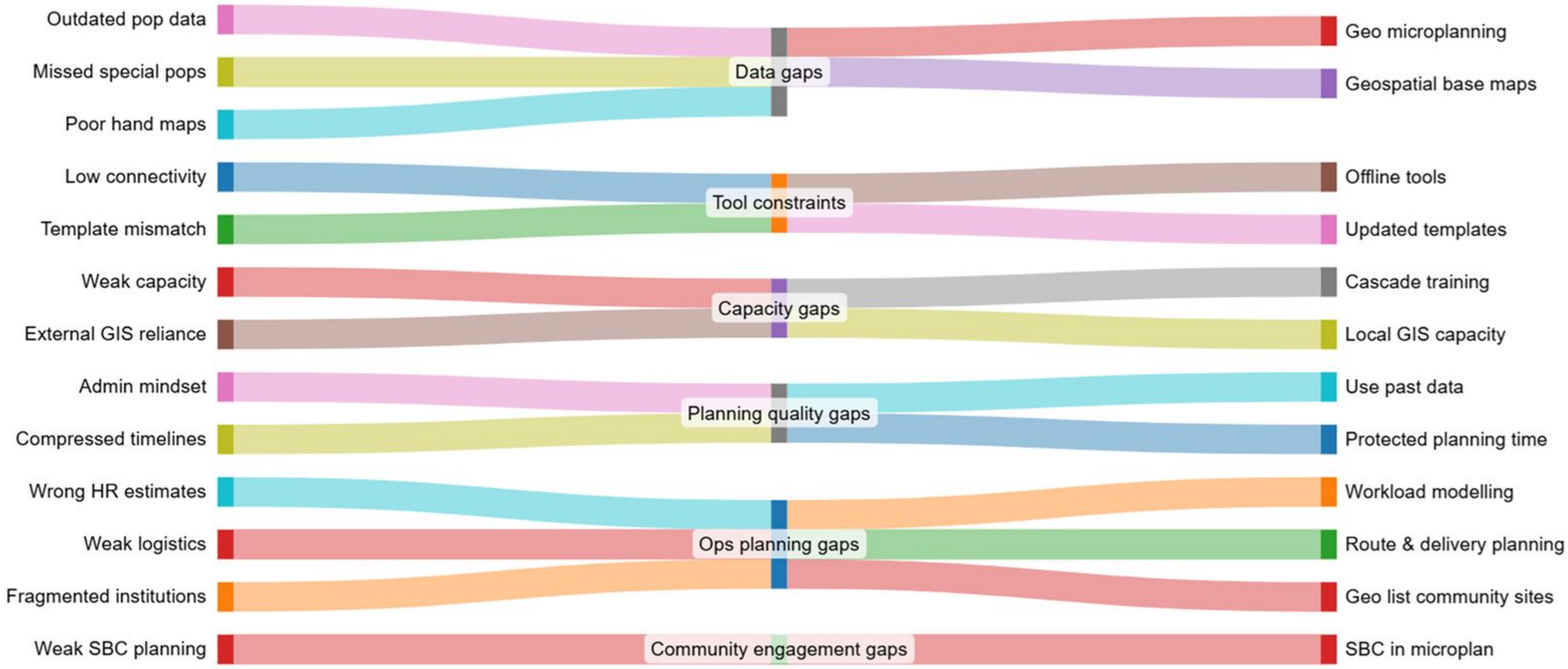
- ✓ NETS ARRIVED
- ✓ NETS DISTRIBUTED
- ✓ COVERAGE TARGETS MET

THE REALITY

- NETS USED FOR FISHING
- NETS USED TO ENCLOSE CHICKEN COOPS
- UNUSED DUE TO FERTILITY BELIEFS
- MYTHS: MALARIA COME FROM THE SUN
- MYTHS: MALARIA COMES FROM MANGOES

THE INTERVENTION WAS DELIVERED. BEHAVIOR DID NOT ALIGN

WHY COVERAGE DOESN'T ALWAYS BECOME IMPACT



WE DIGITALIZED. NOW WHAT?

DIGITALIZATION GAVE US FASTER REPORTING OF THE PAST. IT DID NOT GIVE US A VIEW OF THE FUTURE

TOO MANY CHARTS

TOO MANY FILTERS

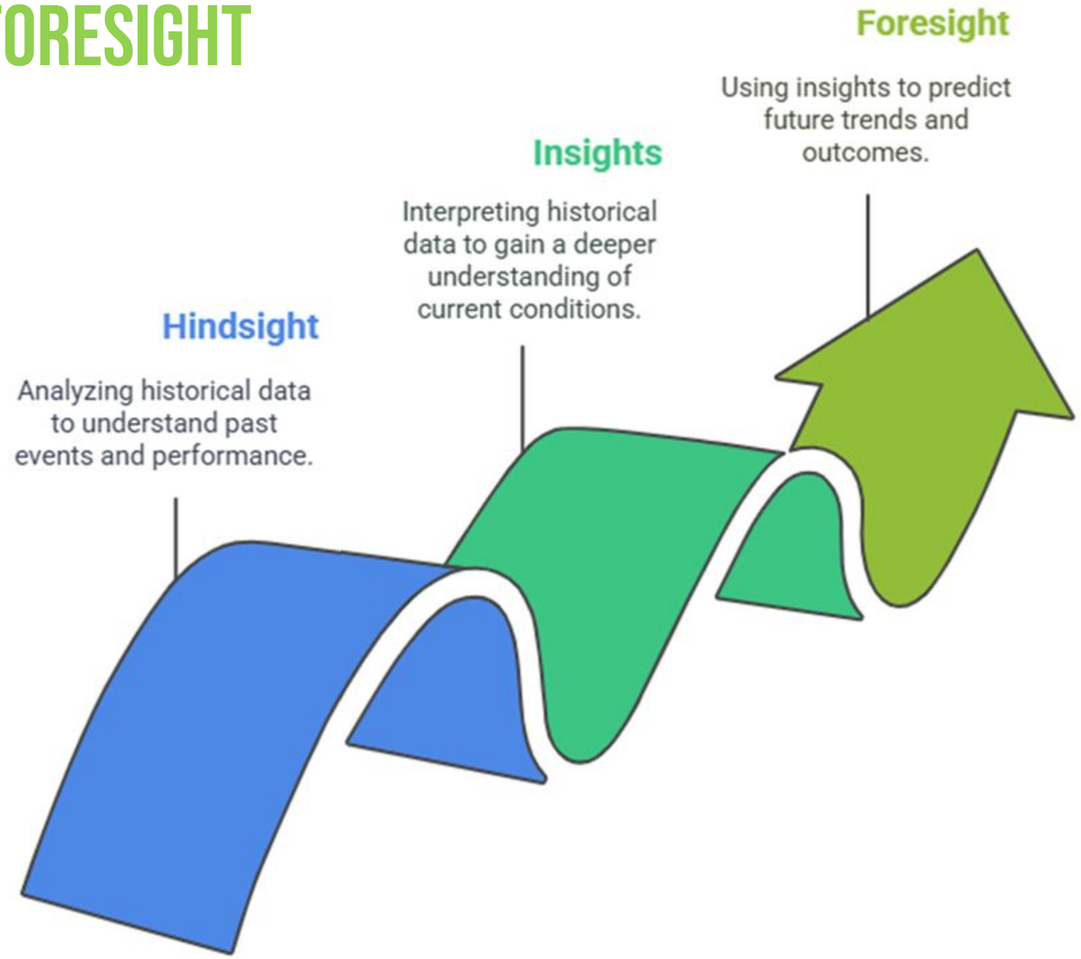
CAN I CALL SOMEONE?

BUT WHAT ARE WE SEEING?

WHERE SHOULD I BE PAYING ATTENTION RIGHT NOW?

THE DESIRED SHIFT

FROM HINDSIGHT ---□ FORESIGHT



Advancing Data Capabilities for Improved Decision Making

FROM REPORTING TO REASONING

AI AS A NAVIGATION SYSTEM FOR MALARIA CAMPAIGNS

RAW CAMPAIGN DATA

OPERATIONAL EFFICIENCY & LOGISTICS

Real-Time Issue Flagging

Automatically identify low coverage, stock imbalances, and missed households as they occur.

Predictive Commodity Monitoring

Anticipate stock shortages and facilitate the reallocation of essential supplies during implementation.

Rapid Field Feedback

Generate instant feedback loops for supervisors and field teams to accelerate decision-making.

QUALITY CONTROL & TARGETED ACTION

Automated Data Quality Checks

Instantly detect duplicates, inconsistencies, and outliers during the active campaign phase.

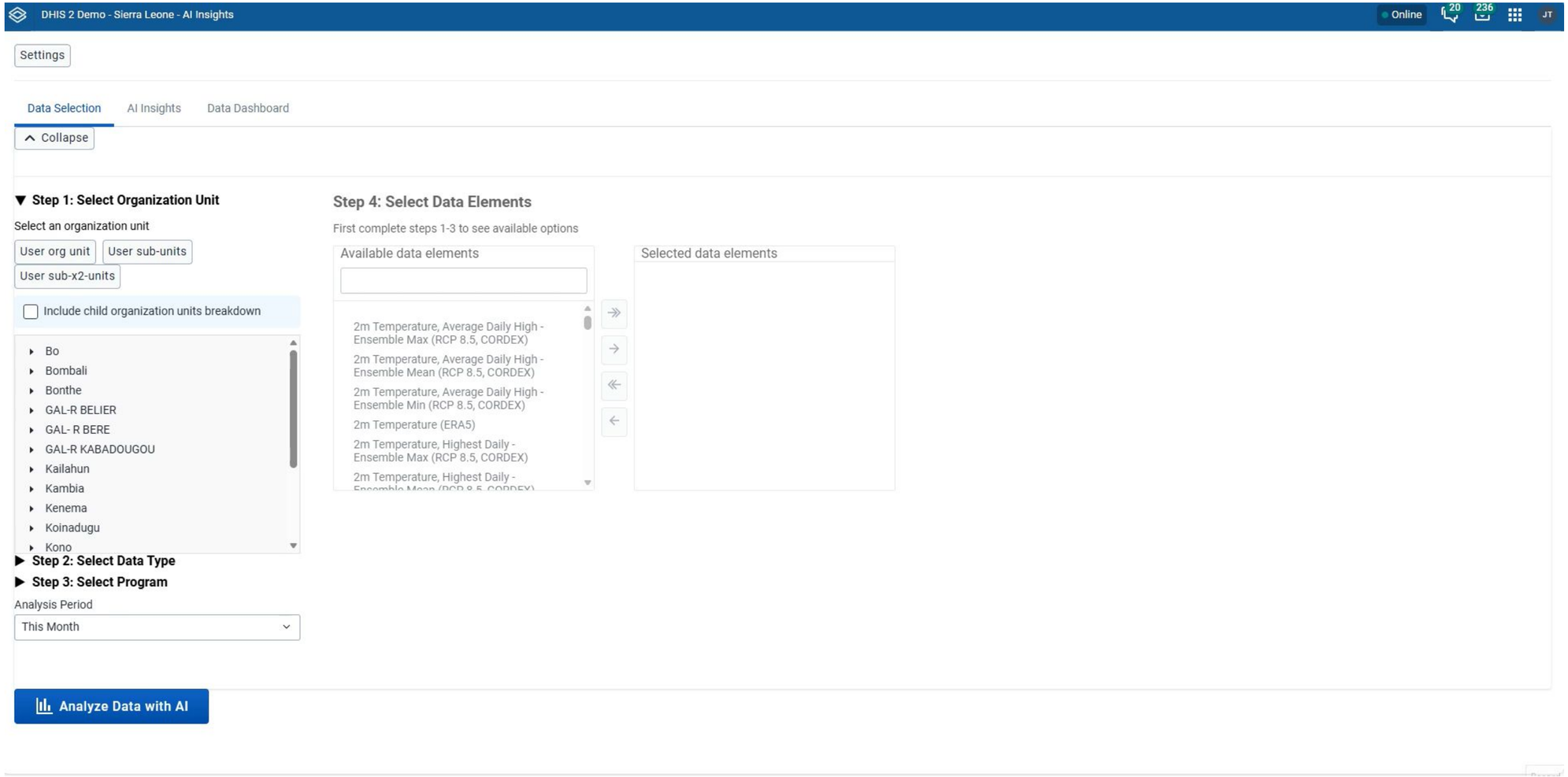
Prioritized Recommendations

Direct supervision and corrective actions specifically to underperforming areas using risk alerts.

Actionable Insights & High Coverage

If we think of campaigns as journeys, this AI layer becomes the navigation system by continuously recalculating priorities and guiding teams toward impact.

WHAT IF YOU COULD CHAT WITH YOUR DATA?



AI INSIGHTS
dhis2

[Download AI Insights App for DHIS2]

[Click here to watch the demo from the DHIS2 website.]

CAN WE PUSH IT FURTHER?

Go to Disasters.aidstack

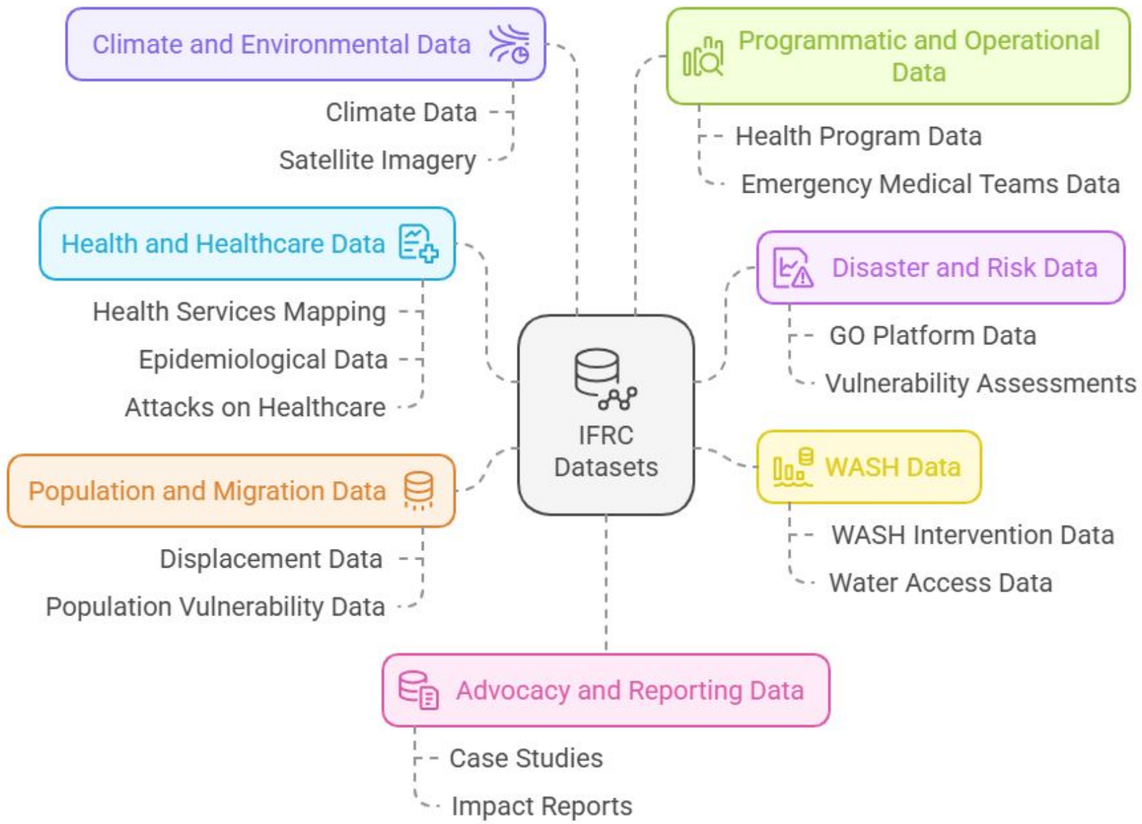
FACILITY DATA + CLIMATE DATA + CONFLICT DATA | MAPPED

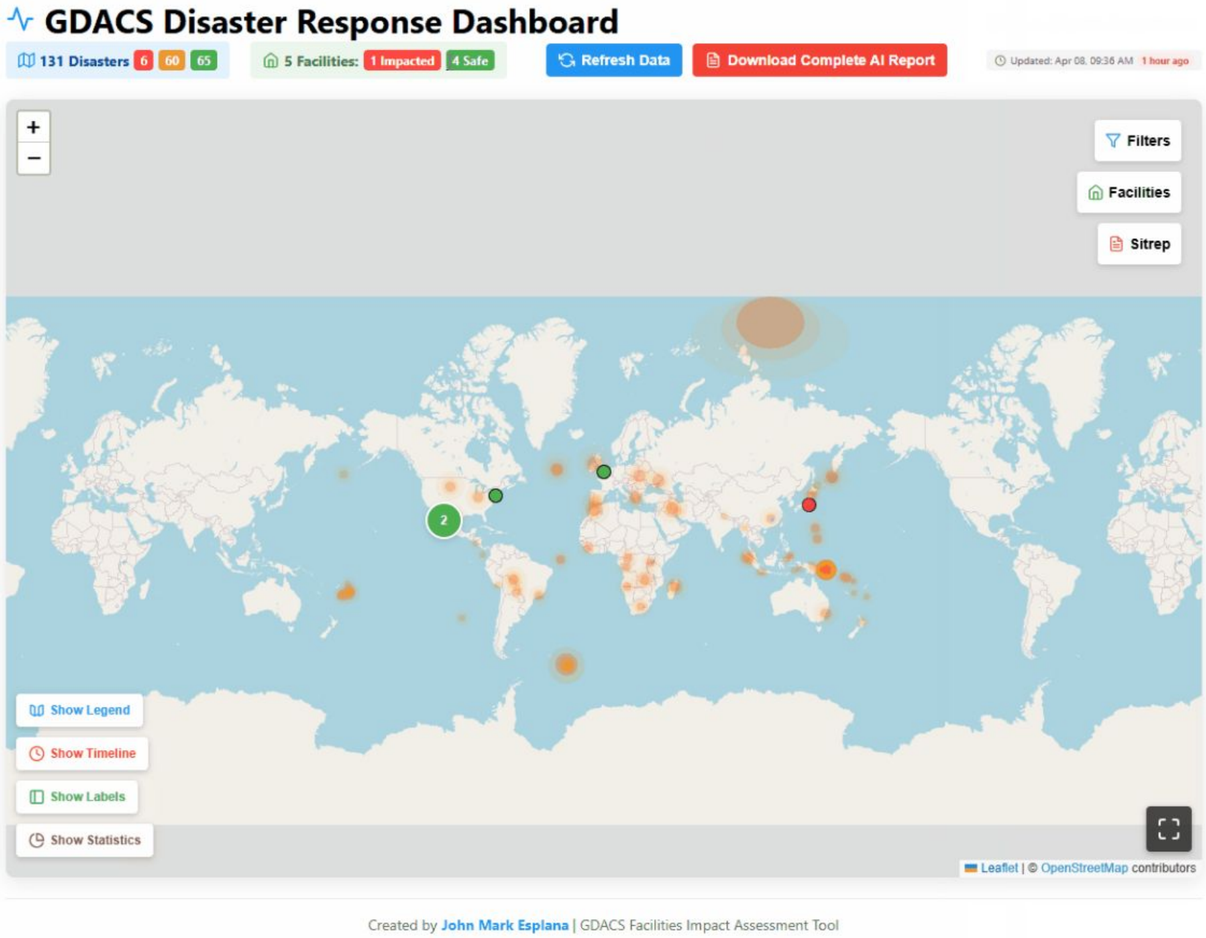
WHAT THIS MEANS IN PRACTICE?

YOU ALREADY KNOW THE KEY DRIVERS.

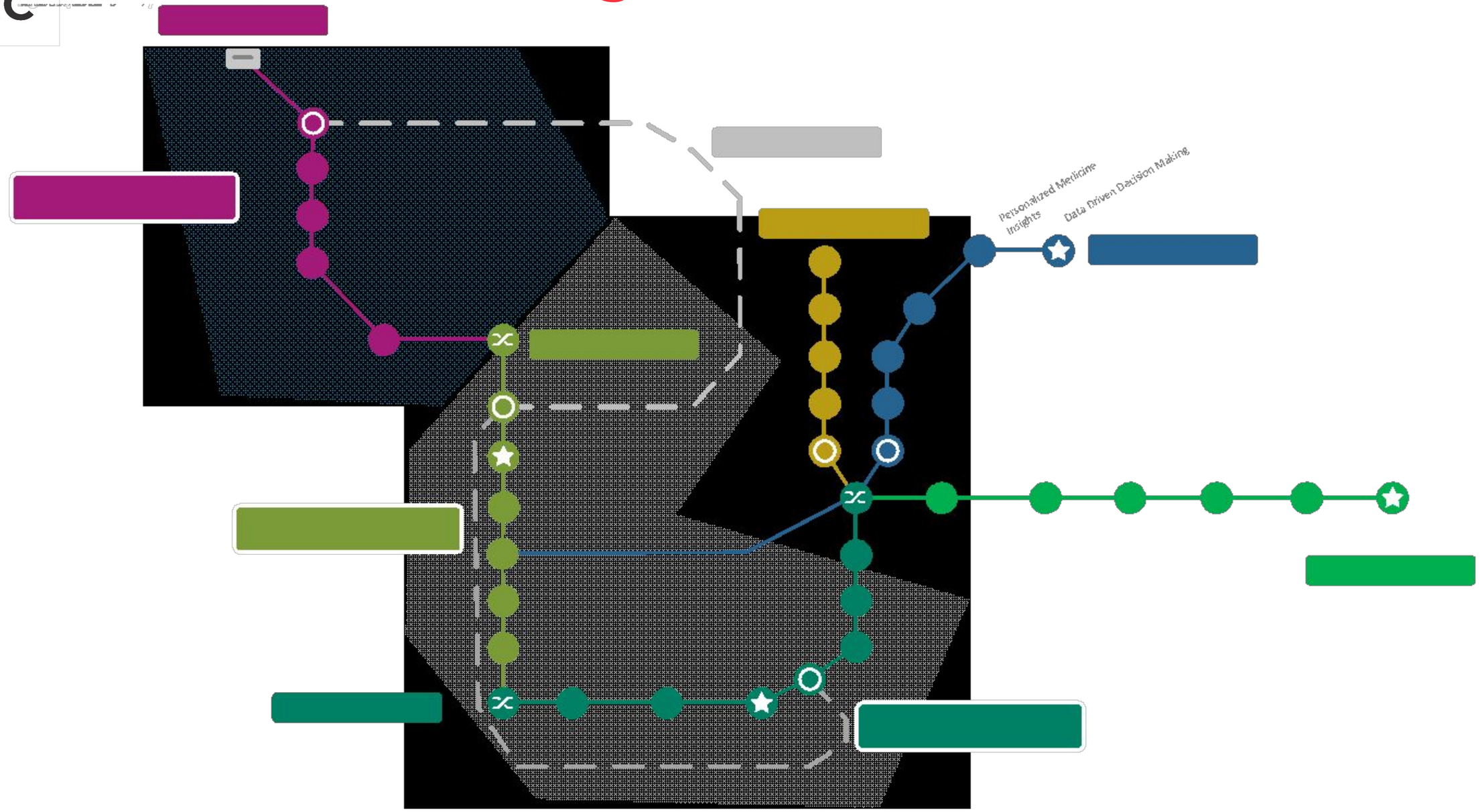
THE VALUE IS KNOWING EXACTLY WHERE AND WHEN TO APPLY THEM.

IFRC Datasets





Path forward – Digital Health



A FEW LAST POINTS

AI **IS NOT** THE STRATEGY

MALARIA ELIMINATION IS THE STRATEGY

BUT AI HELPS US GET THERE FASTER


THANK YOU
LAKERS
UGANDA RED CROSS SOCIETY