

HunchWorks:

Combining human expertise and big data

September 23rd, 2011



www.unglobalpulse.org

@unglobalpulse

#hunchworks

Chris van der Walt,

Project Lead, HunchWorks, Global Pulse

@cvanderwalt

Dane Petersen,

Experience Designer, Adaptive Path

@thegreatsunra

Sara Farmer,

Chief Platform Architect, Global Pulse

@bodaceacat

Harnessing innovation
to protect the vulnerable

Vulnerability:

The risk of households falling in or remaining in **poverty** due to idiosyncratic or aggregate **hazards**.



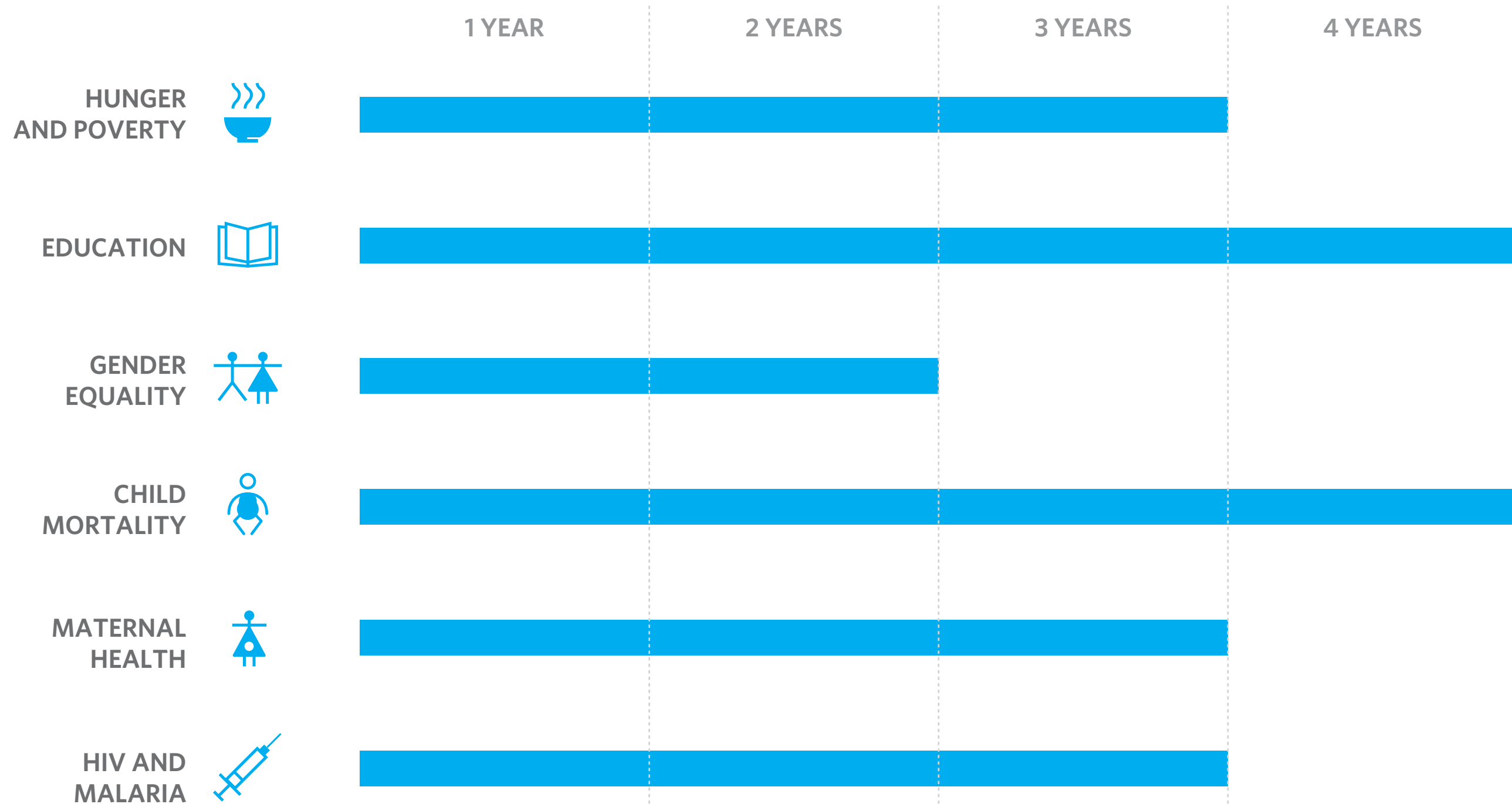
1.373

billion people

living on less than \$1.25 per day
and **billions more** at risk
of falling into extreme poverty

Source: The World Bank

Information Gap



Source: Millennium Development Goals Report 2011

Ok, so now what?

OPPORTUNITY 1:

Proliferation of sensors

- ▶ millions of networked sensors are being embedded in the physical world in devices such as mobile phones and automobiles, sensing, creating, and communicating data

OPPORTUNITY 2:

Big data

- ▶ 30 billion pieces of content shared on Facebook every month.
- ▶ 40% projected growth in global data generated per year vs 5% in global IT spending.
- ▶ increasingly massive amount of information out there, problem is separating signal from noise

OPPORTUNITY 3:

Social & collaboration technologies

- ▶ we can engage human beings all over the world and leverage their situational awareness, expertise and capacity.

OPPORTUNITY 4:

Assistive reasoning

- ▶ human capacity to sift through data to detect and understand meaningful connections can be vastly magnified
- ▶ combine human understanding and computational reasoning capacity to take advantage of the strengths of both

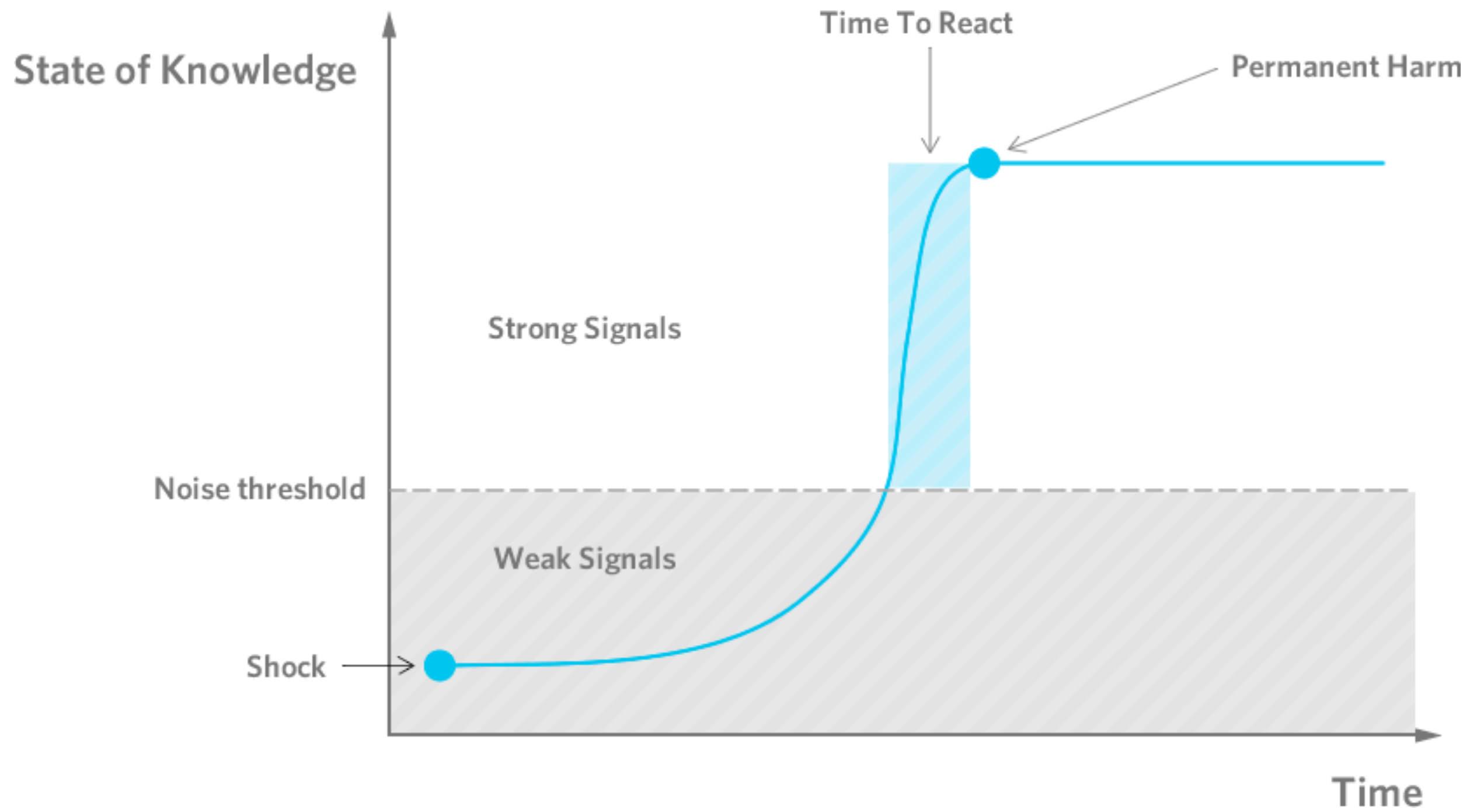
OPPORTUNITY 5:

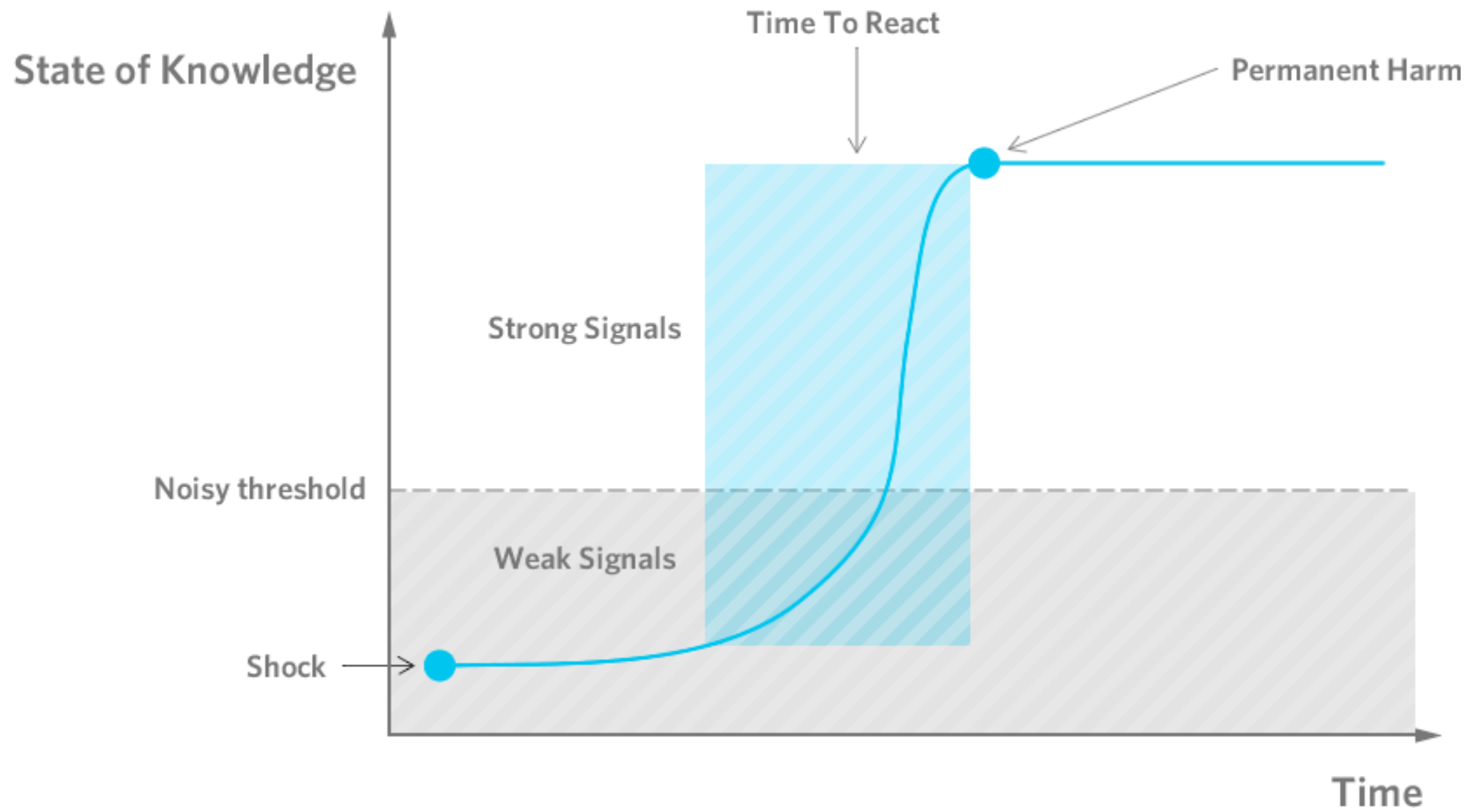
People

- ▶ 5 billion mobile phones
- ▶ the international community has staff on the ground in many developing countries
- ▶ the reach of the organization can be increased through engaging others outside of the organization via social technologies
- ▶ challenge is communication

Weak signals:

Advanced, noisy and socially situated indicators of change in trends and systems that constitute raw informational material for enabling anticipatory action.





HunchWorks Overview

What is HunchWorks?

- ▶ a hypothesis management system to detect weak signals
- ▶ both humans and data mining tools (wrapped as intelligent agents) can post 'hunches' about anomalous or interesting data and observations that might indicate that a social crisis is starting to unfold.
- ▶ a tool to engage and connect the global network of UN and international development field staff with the greater institution to rapidly collect information about emerging situations

The hunch mechanism

1. Detect an interesting “weak signal”
2. Hypothesize (make a hunch) about the nature of the signal
3. Share the hunch with the network
4. Hunch acts as an attractor for related signals and other evidence
5. Engage communities of practice to support rapid verification through the social graph
6. Use confirmed hunch as a basis for further action and to refine trust within the system

HunchWorks: a use case

Kissa: analyst

Kissa works in Pulse Lab, Uganda.

She notices an increase in population movements from Kenya and suspects that it is in response to the unfolding drought in the Horn of Africa but lacks concrete evidence.

She decides to post to HunchWorks to gather further evidence.



Create a new hunch


Title: (required)


Horn of Africa drought causing influx of displaced persons in Uganda

Description: (required)

Bold

Italic

 **Bullets**

 **Numbers**

 **Link**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc sed ligula sem, eget vehicula augue. Nunc a nunc a ipsum molestie tristique sit amet sed nisi. Mauris convallis nunc nec purus commodo tristique. Curabitur sit amet neque sem. Ut blandit orci et orci eleifend ut auctor magna auctor. Praesent aliquet, nunc a laoreet porttitor, lacus nunc tempor dui, a volutpat diam tortor vel massa. Nulla facilisi. Mauris facilisis condimentum odio id accumsan.

Quisque vel tempus nisl. Integer adipiscing nunc nec dui bibendum ultricies. Maecenas auctor porta sapien id commodo. Maecenas volutpat turpis a libero consequat cursus tincidunt quam commodo. Fusce placerat venenatis gravida. Aliquam porttitor porttitor leo id sagittis.

Add evidence:

TWEET

DATASET

LINK

PHOTO

VIDEO

OBSERVATION

[Upload a photo](#) | [Create an album](#)

[+ Add another piece of evidence....](#)

Tags: (optional but recommended)

+ Add another tag

climate change

agriculture

uganda

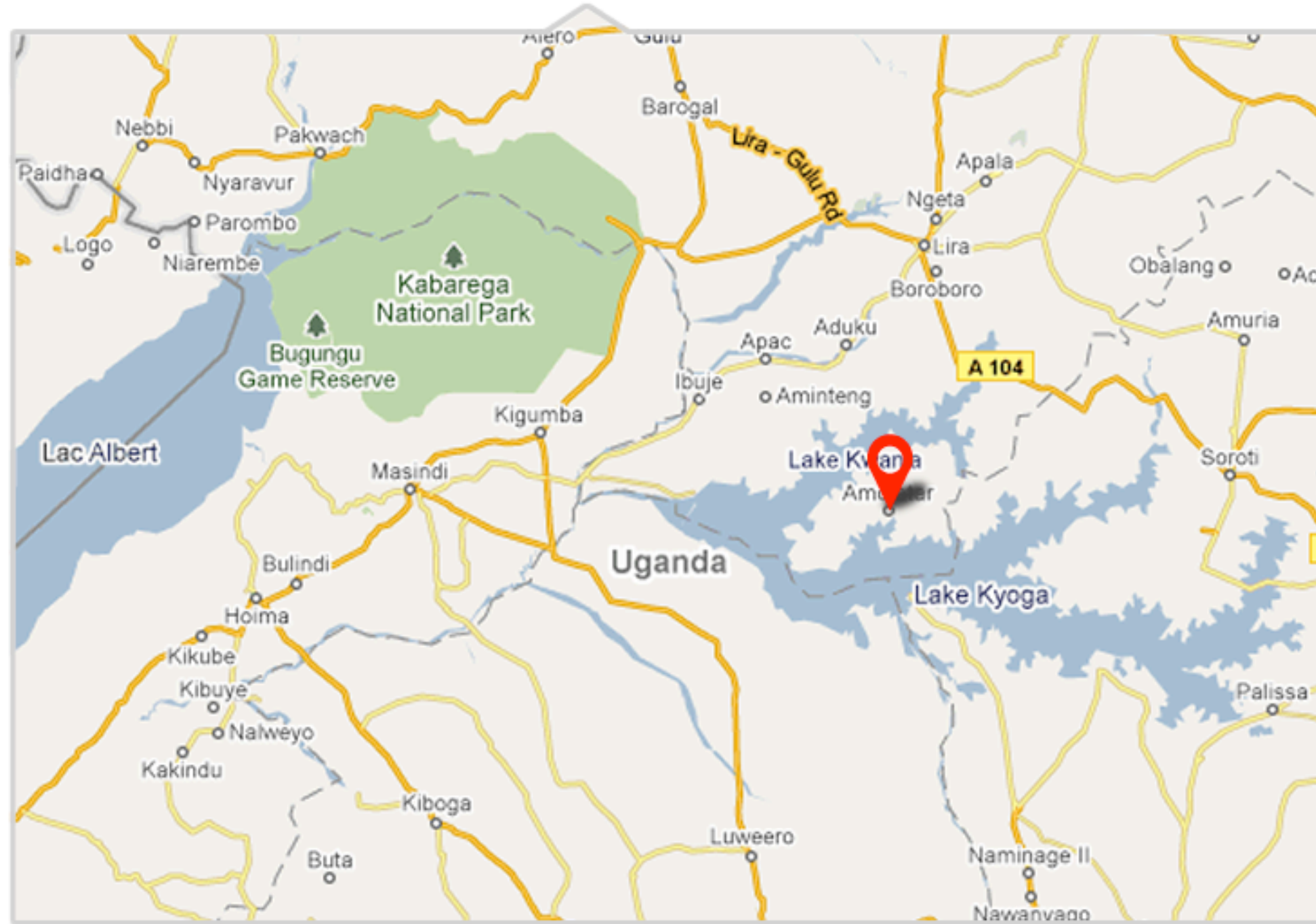
Location:

GIS COORDINATES

PIN ON MAP

DRAW ON MAP

LOCATION NAME



Existing hunches that may be similar to yours....

BY KEYWORDS

BY LOCATION

BY EVIDENCE

Drought in Somalia resulting in IDPs

by [Jason C.](#) and [10 others](#)

10 pieces of evidence 25 comments

Food crisis impacting communities in southern Uganda

by [Brett M.](#) and [5 others](#)

5 pieces of evidence 50 comments

Climate impacts forcing communities to abandon farmland

by [Jason C.](#) and [10 others](#)

10 pieces of evidence 25 comments

Marketplace figures suggest climate impacts on

Security and sharing settings: (required)



Open - Anyone may view, add evidence and comment.



Closed - Visible in searches. Users may only view evidence and comments by invitation.








Hidden - Not visible in searches. Users may only view and contribute by direct invitation.

Share with:

- CONTACTS**
- GROUPS
- INVITE

Start typing the name of a contact 

-  **Tim Berners-Lee**
UK Open Gov, 240 connections
-  **Jane Yakowitz**
Brooklyn Law School, 230 connections
-  **Yochai Benkler**
MIT, 350 connections
-  **Adele Waugamann**
UN Foundation, 50 connections
-  **Chris Fabian**
UNICEF Innovation, 50 connections

CONFIDENCE

TITLE

67%
HIGH**Drought in Somalia resulting in IDPs in Uganda**[Jason C.](#) commented on the evidence | 10 pieces of evidence | 25 comments just updated27%
LOW**Food crisis impacting communities in southern Uganda**[Brett M.](#) added evidence | 5 pieces of evidence | 50 comments 10 minutes ago98%
HIGH**Climate impacts forcing communities to abandon farmland**by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments 15 minutes ago56%
MEDIUM**Marketplace figures suggest climate impacts on Somali economy**by [Brett M.](#) and [5 others](#) | 5 pieces of evidence | 50 comments 10 minutes ago48%
MEDIUM**Environmental impacts forcing migration from Horn of Africa**by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments 1 day ago10%
LOW**Food crisis impacting communities in southern Uganda**by [Brett M.](#) and [5 others](#) | 5 pieces of evidence | 50 comments 1 day ago75%
HIGH**Climate impacts forcing communities to abandon farmland**by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments 1 day ago



dailymonitor Daily Monitor ↕ by rassina

#dailymonitor A row has broken out in Kenya's government over the huge influx of Somalis fleeing the region's worst drought in 60 years.

6 hours ago

globaldevelopment

Africa drought pushes Kenya and Somalia into pre-famine conditions

UN says that more than 10 million people are affected in areas of Djibouti, Ethiopia, Kenya, Somalia and Uganda

 Tweet 123

 Share 540

 reddit this

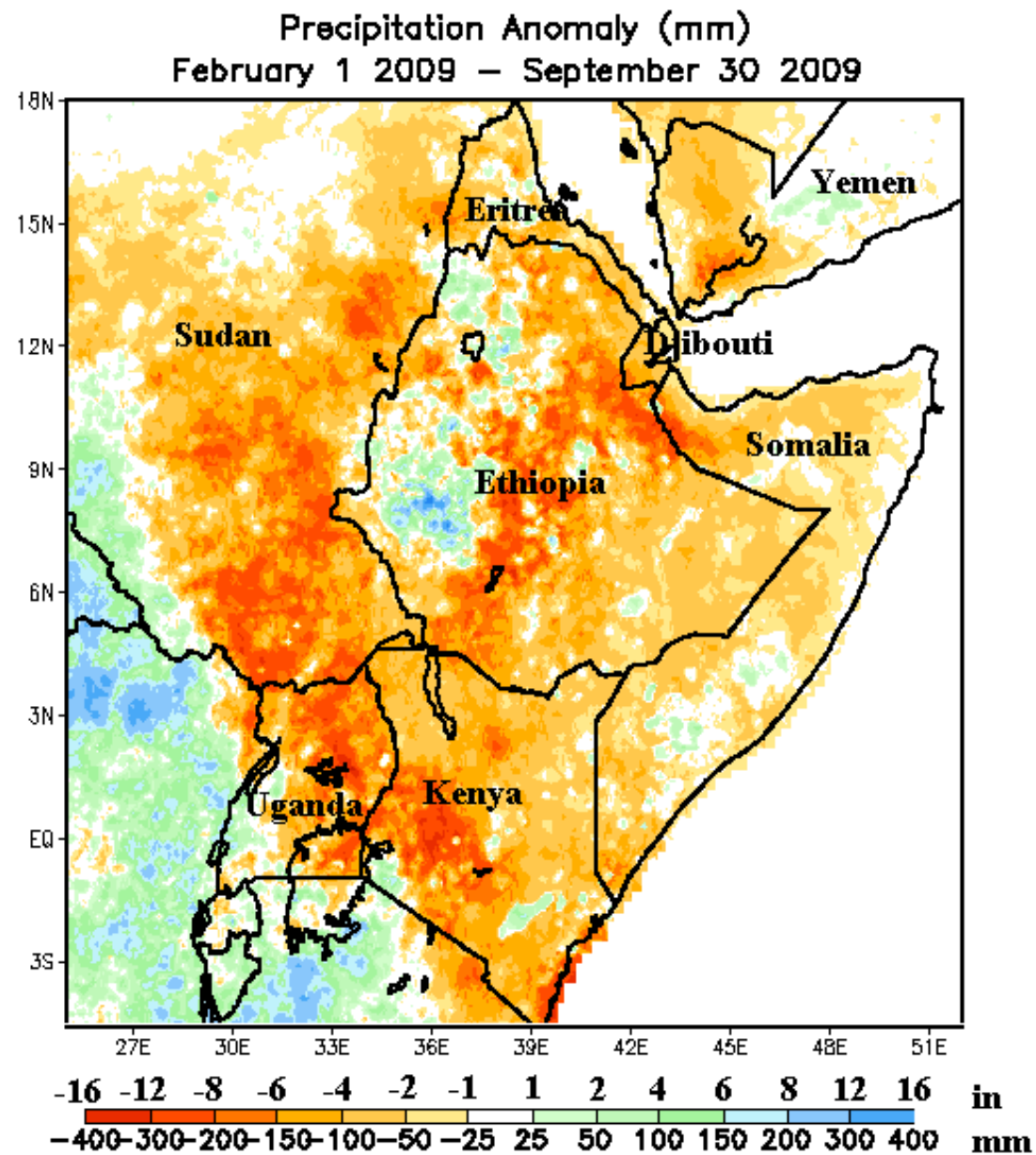
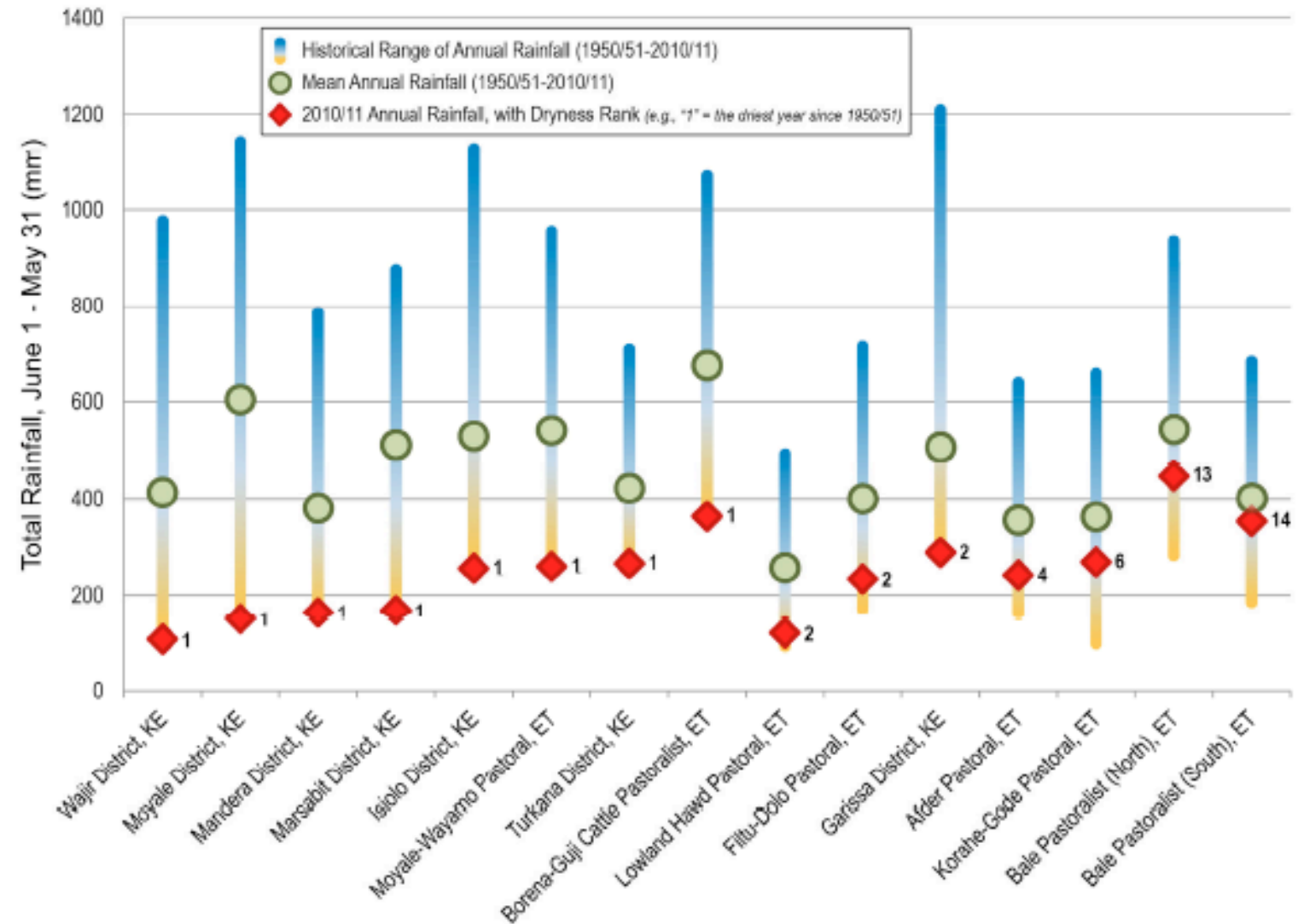


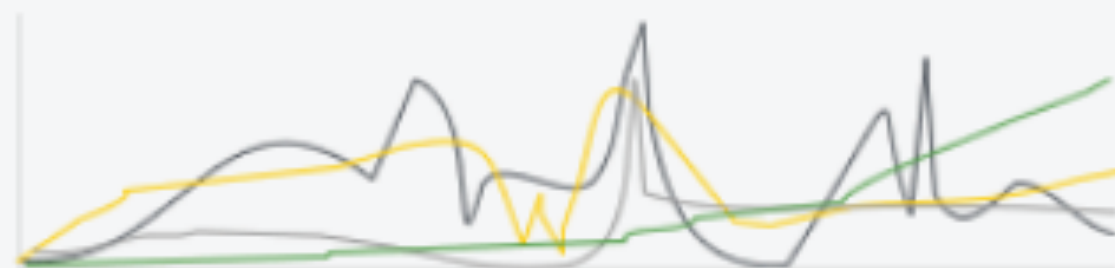
Figure 2. 2010/11 rainfall compared to historical totals since 1950/51 in select pastoral areas of Kenya and Ethiopia





Source: FEWS NET/USGS and FEWS NET/NOAA Graphics: FEWS NET



Recent Activity

 Evidence 1 + 11 - 4






■ Confidence
 ■ Contributions
 ■ Activity
■ Value of contributions

 Comment by  John Doe June 12, 2011 at 2:49PM
+ 2 - 1

 Reply by  Author June 12, 2011 at 7:11PM
+ 1 - 0

June 12, 2011 at 7:11PM

 Linked to  Regional problems by  Author 2
Evidence confirmed on June 10, 2011.
+ 25 - 0

 Evidence 1 details**Evidence claim**

Does this evidence support or refute the hunch?

- 9 Strongly refute
- 7 Refute
- 6 Neutral
- 2 Support
- 4 Strongly support

This evidence does not support the hunch.

Contributor review

Does the claim made by this evidence hold water?

- 9 Strongly support
- 7 Support
- 6 Neutral
- 2 Refute
- 4 Strongly refute

I support the claim made by this hunch.



John Doe Expert

Regional data analyst, Western Sahara area.
Independent Data Firm

Skills

Data mining
Data tracking
Weather patterns

Credibility

Trustworthiness	+ 241	- 41	36	Supported arguments
Activity	+ 60		10	Hunches contributed to
Contribution	+ 36	- 2	2	Hunches opened
Expert opinion	+ 40	- 3	20	Credible evidence
			1	Hunch confirmed
			2	Times worked together

Resolving a hunch

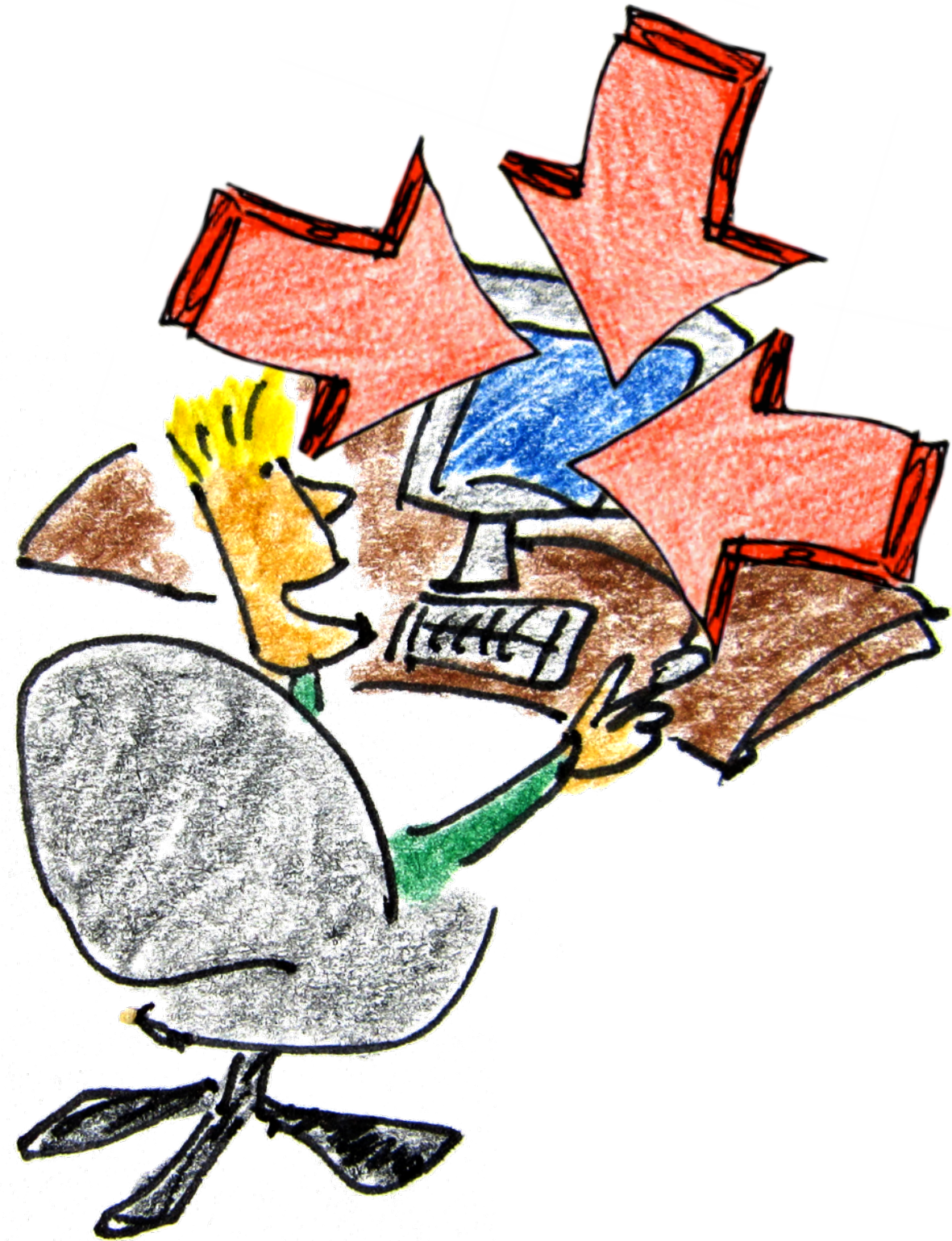
Once Kissa has determined that enough credible evidence is amassed, she may **opt to change the status** of the hunch to reflect the hunch being:

- proven
- disproven
- closed

We are also considering allowing contributors to vote on hunches where the hunch owner allows it or for whatever reason is no

Designing the HunchWorks Experience





An experience design consultancy

Ten years of making things awesome-r.

Over the last ten years, UX has emerged from the backroom to the boardroom, going from something that's "nice to have," to an essential element of successful products and services. Adaptive Path can take a small bit of credit for that. It all started one night at the old Waterloo Brewing Company... [Read our history.](#)



Jesse James Garrett
President & Founder

Ten Years Later: Way Beyond Digital

Ten years ago, when we launched Adaptive Path, if you had asked me whether we'd still be in business at this point, I would have said, "Sure." But if you told me the kind of work we'd be doing ten years in, I wouldn't have believed you.

[Read more >](#)



Peter Merholz
Founder

Adaptive Path Turns 10: A Look Back

It's not often you get to be present at the birth of an industry. Ten years ago, March 2, 2001, when we launched Adaptive Path, organizations had, at most, one UX person, and often none. Now, thousands of companies have UX teams.

[Read more >](#)









THE DESIGN PROCESS

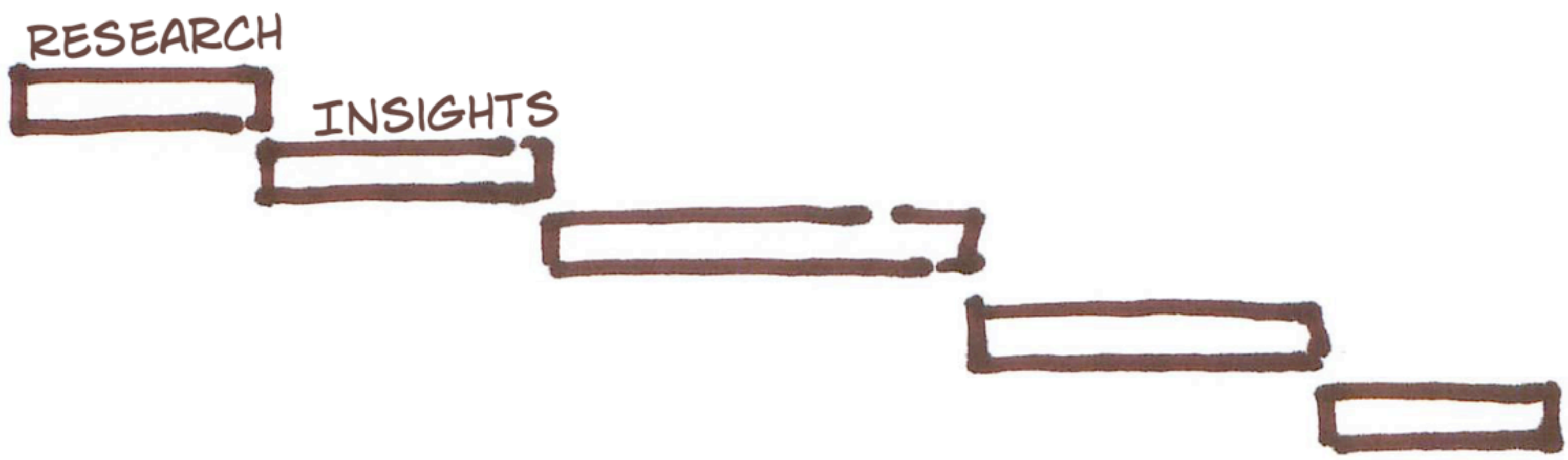


THE DESIGN PROCESS

RESEARCH



THE DESIGN PROCESS



THE DESIGN PROCESS





Community
Trust
Credit Networks

Reliability
of Herds

Herds

Evolution

Shady
Herds

Trust
4
users

Trust
Herds
Sources

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PRIVACY FOR
USERS, HERDS
& DATA

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TRUST

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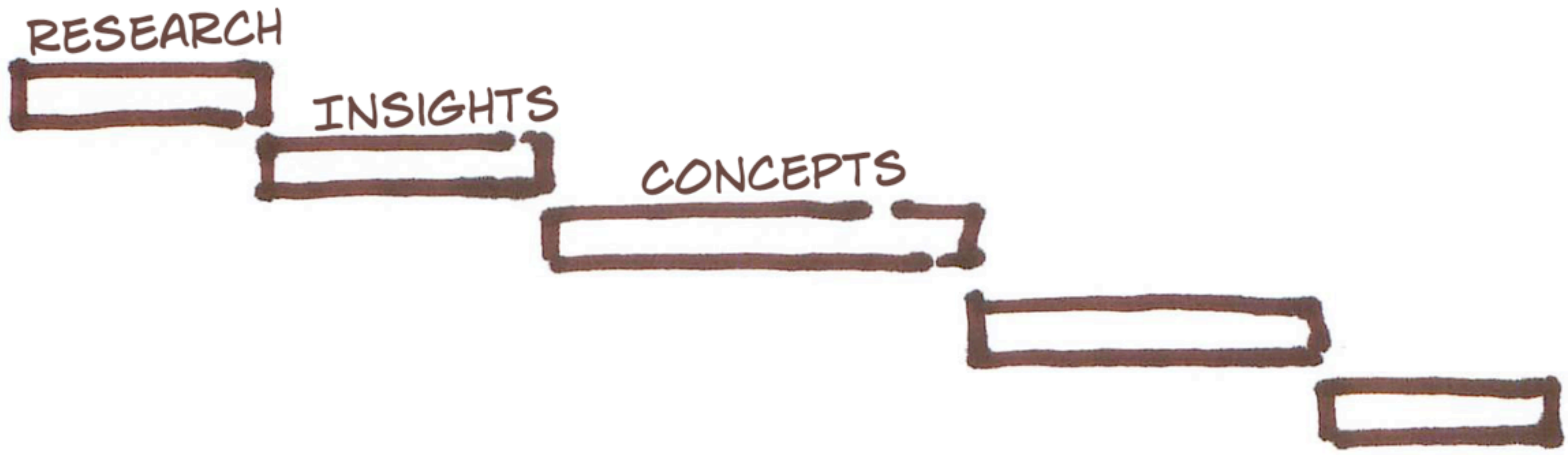
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SETUP NEARBY
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THE DESIGN PROCESS

"INSTANT CONNECTIONS FOR A NEW HUNCH."

(NEW HUNCH, TAGGING, METADATA, SUGGESTIONS, COMPLEMENTARY SKILLS, COMMENTS)

CREATE NEW HUNCH





HUNCH:

LOCATION:

TAGS:

NEW HUNCH
MIGRATION PATTERNS IN SUDAN
SUGGEST A DRAFT.

SUGGESTED CONNECTIONS

 SUDAN	 TWITTER DATA	 WIKI	 SUDAN TWITTER
--	--	---	---

Hi, STEVE!

ALICIA JUST POSTED A HUNCH ABOUT MIGRATION PATTERNS IN SUDAN.
WOULD YOU LIKE TO COMMENT?



Welcome Back, Sarah.
 You're located in New York City.
 Your network: 15 Hunches created: 2 Hunches untracked: 5

START A NEW HUNCH

CREATE HUNCH

RECENT HUNCH UPDATE

Migration Patterns suggest a drought
 by Jason C. and 10 others · 2 images · just now

Migration Patterns suggest a drought
 by Michael A. and 2 others · 0 images · 2 min

Migration Patterns suggest a drought
 by Phil O. and 7 others · 1 image · 15 min

Migration Patterns suggest a drought.
 by Louise · 5 images · 1 hr

VIEW MORE

RECENT CONFIRMED HUNCHES

Migration Pattern suggests a drought
 by Louise and 12 others · 3 images · confirmed 5 hrs ago

Migration Patterns suggests a drought
 by Phil O. and 3 others · 5 images · confirmed 1 day ago

Migration Patterns suggest a drought
 by Sara D. and 5 others · 0 images · confirmed 2 days ago

YOUR HUNCHES | COMMUNITY HUNCHES



Communities you might like to join based on your interests

Amnesty International [JOIN](#)

~~Wazzan~~ [JOIN](#)

~~Wazzan~~ [JOIN](#)

VIEW MORE

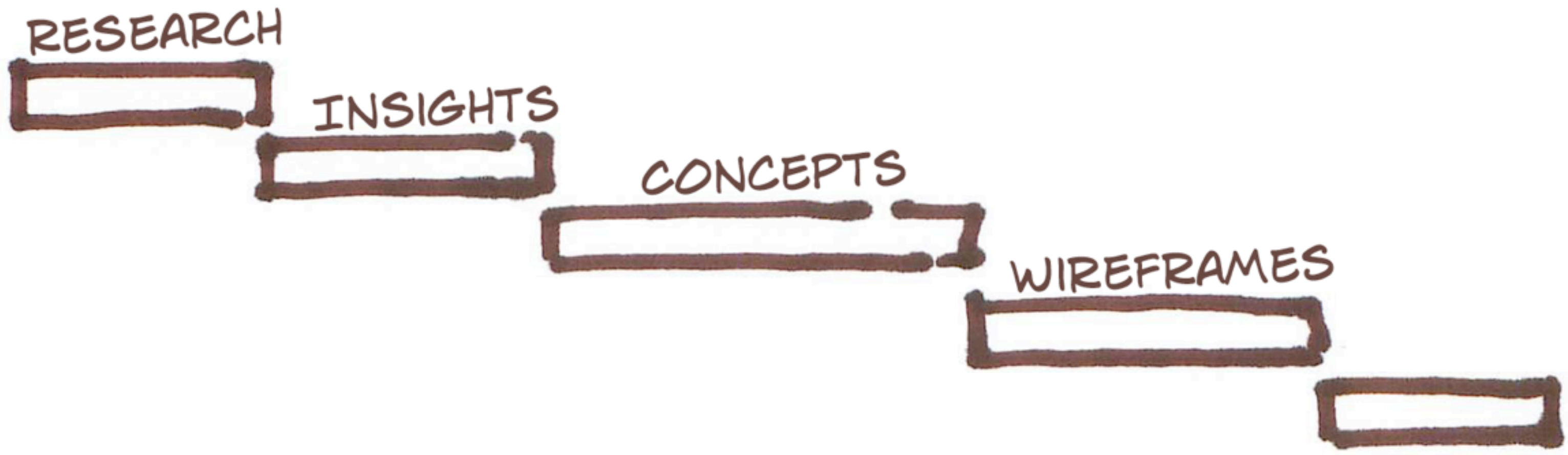
People you might like to connect with based on your interests

Kevin Johnson, Journalist [CONNECT](#)

Lisa Spruce [CONNECT](#)

Mary Rogers [CONNECT](#)

VIEW MORE



THE DESIGN PROCESS

Suggested Connections

Complementary



Similar



Invite Colleagues

john@redcross.org,
tina@nytimes.com,
jane@stanford.edu

I'm using this service to
mature my hypothesis,
care to help?

Welcome Leah!

Profile 50% Complete



Fill in your education history
to become 66% complete.

I'm not Interested



Hi Steve

You're located in Brooklyn
Hunches created: 0 Contributions: 0

[+ Create new hunch](#)

[Home](#) [My Hunches](#) [Trending](#) [New Hunches](#)

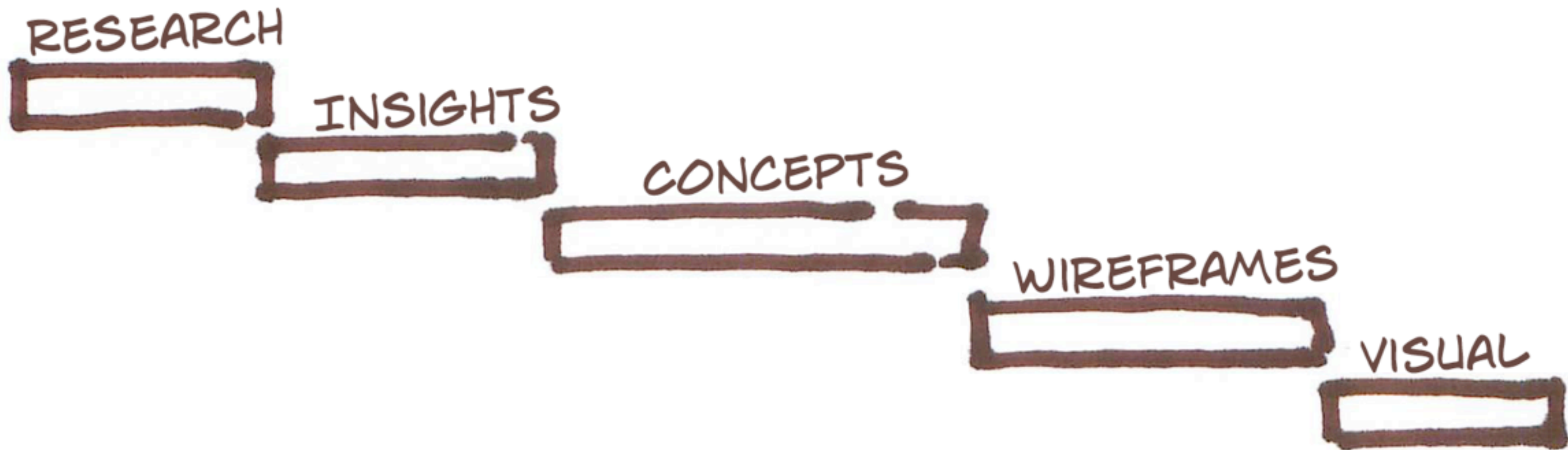
Recent Activity Sort by: [Recent comments](#) | [Recent evidence](#) | [Confidence](#)

- 67% HIGH** **Drought in Somalia resulting in IDPs in Uganda**
by [Jason C.](#) commented on the evidence | 10 pieces of evidence | 25 comments | just updated
- 27% LOW** **Food crisis impacting communities in southern Uganda**
by [Brett M.](#) added evidence | 5 pieces of evidence | 50 comments | 10 minutes ago
- 98% HIGH** **Climate impacts forcing communities to abandon farmland**
by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments | 15 minutes ago
- 56% MEDIUM** **Marketplace figures suggest climate impacts on Somali economy**
by [Brett M.](#) and [5 others](#) | 5 pieces of evidence | 50 comments | 10 minutes ago
- 48% MEDIUM** **Drought in Somalia resulting in IDPs**
by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments | 1 day ago
- 10% LOW** **Food crisis impacting communities in southern Uganda**
by [Brett M.](#) and [5 others](#) | 5 pieces of evidence | 50 comments | 1 day ago
- 75% HIGH** **Climate impacts forcing communities to abandon farmland**
by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments | 1 day ago
- 19% LOW** **Marketplace figures suggest climate impacts on Somali economy**
by [Brett M.](#) and [5 others](#) | 5 pieces of evidence | 50 comments | 2 days ago
- 67% HIGH** **Drought in Somalia resulting in IDPs**
by [Jason C.](#) and [10 others](#) | 10 pieces of evidence | 25 comments | 2 days ago
- 48% MEDIUM** **Food crisis impacting communities in southern Uganda**
by [Brett M.](#) and [5 others](#) | 5 pieces of evidence | 50 comments | 2 days ago
- 48%** **Climate impacts forcing communities to abandon farmland**



Communities you might like to join:

- Amnesty International** 200 members [JOIN](#)
- UN Global Pulse** 200 members [JOIN](#)
- MIT Media Lab** 50 members [JOIN](#)
- Crisis Mappers** 100 members [JOIN](#)



THE DESIGN PROCESS

WHAT IT ACTUALLY FEELS LIKE



WHAT IT ACTUALLY FEELS LIKE

People are complicated.

Saving the world is complicated.

Trying to *save the world* with *people*?

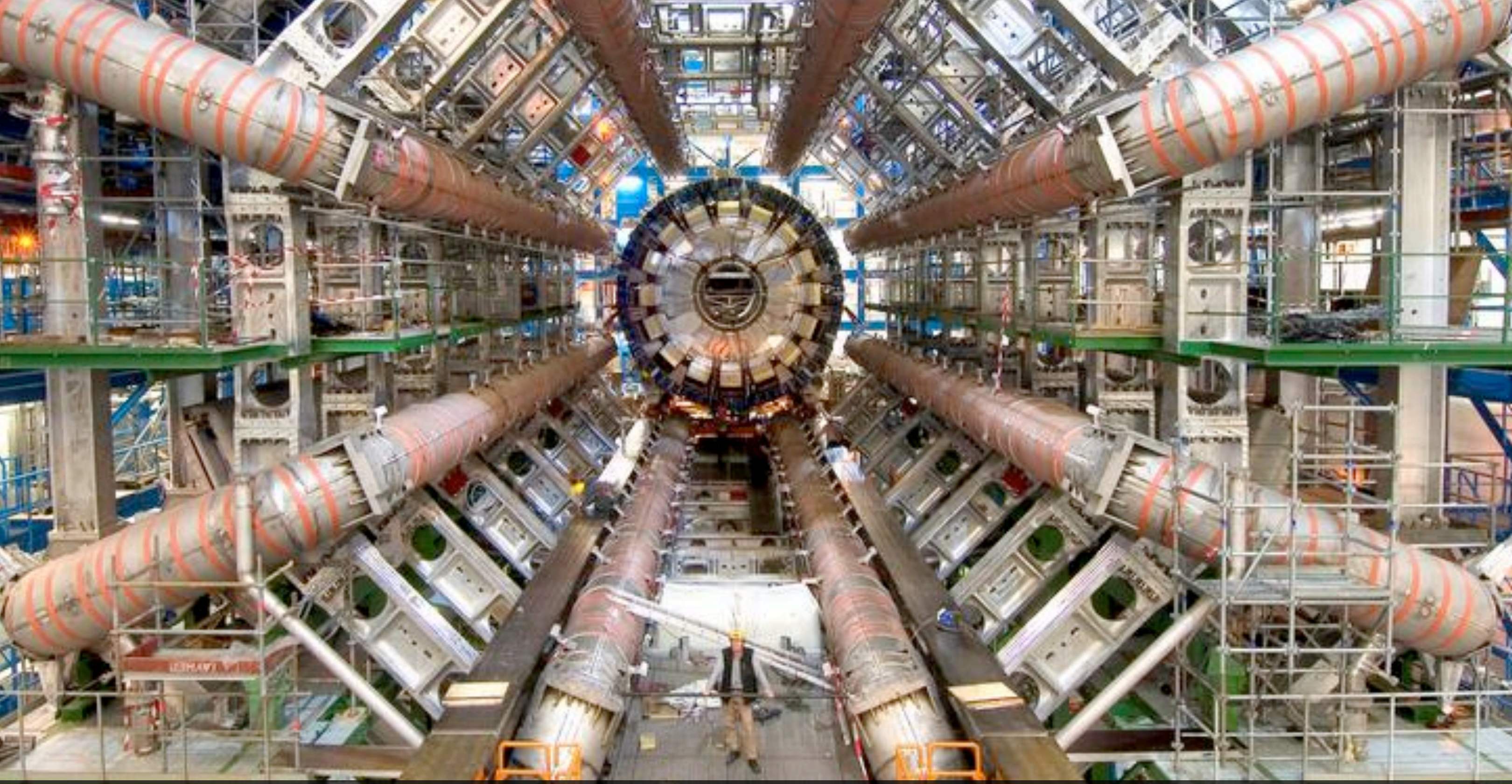


photo credit: flickr.com/photos/johnmcnab/4248698746

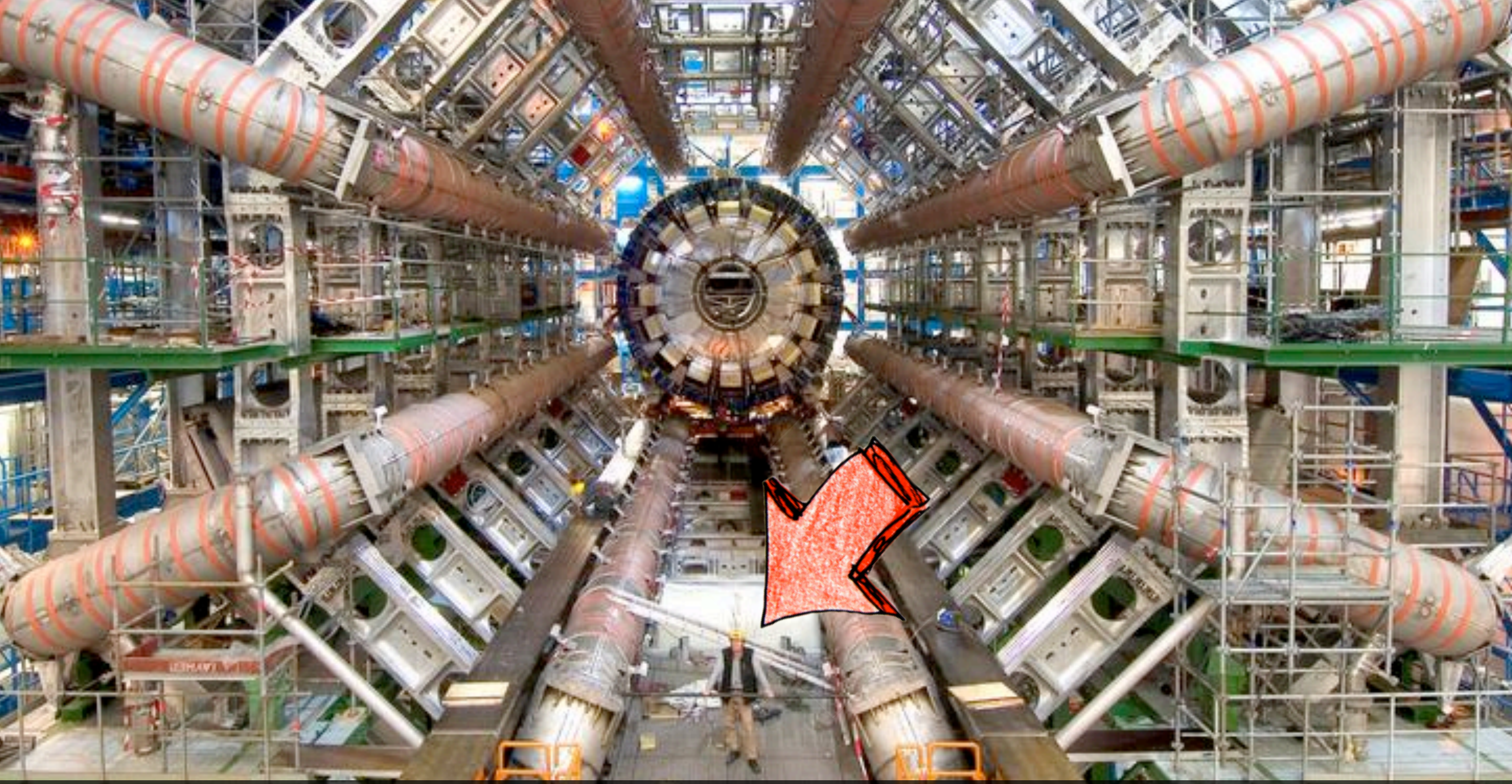


photo credit: flickr.com/photos/johnmcnab/4248698746

7 billion people.

7 billion people.

5 billion mobile phones.

People are more than tailpipes.

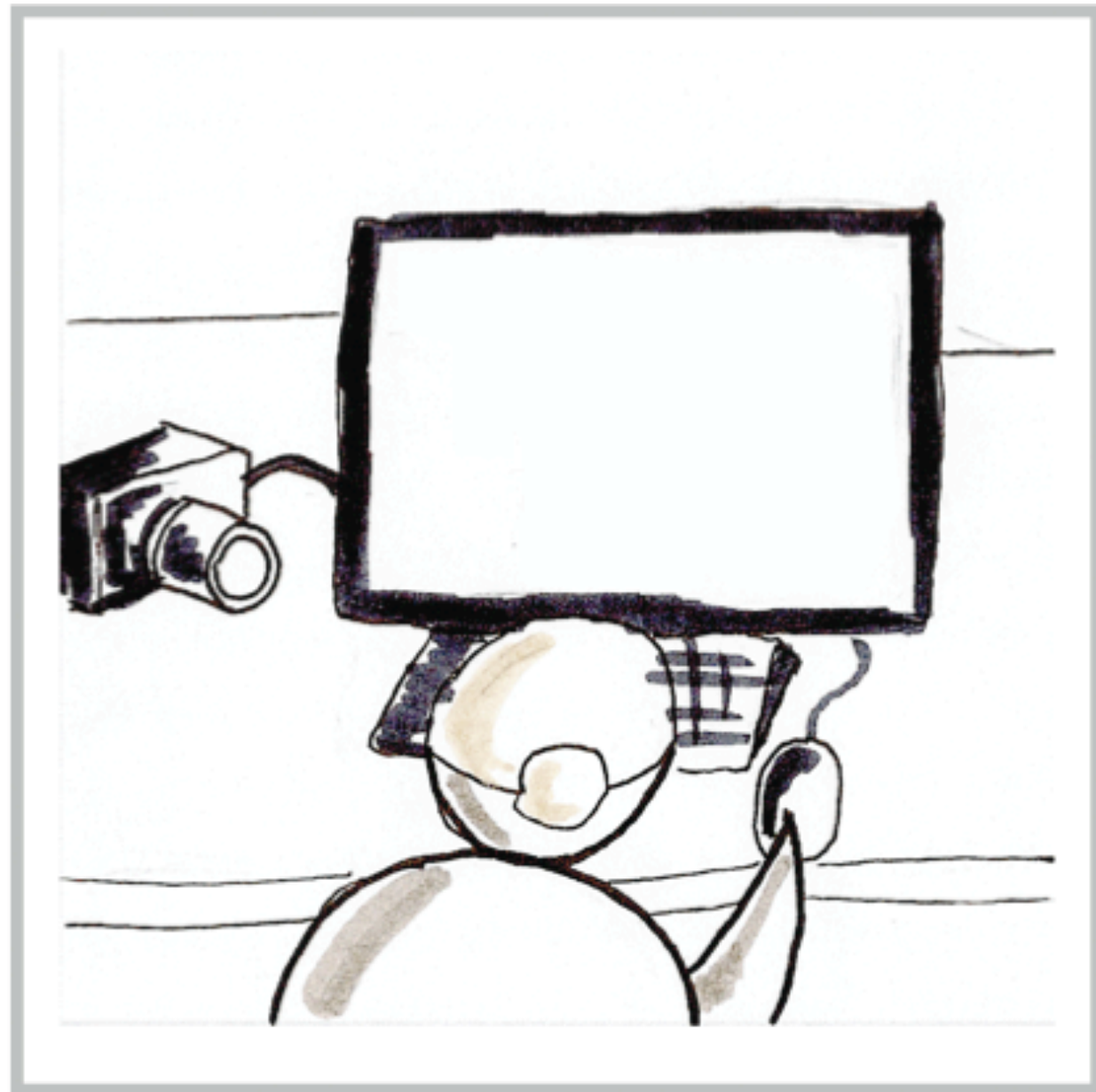
People are more than tailpipes.

7 billion HunchWorks users?

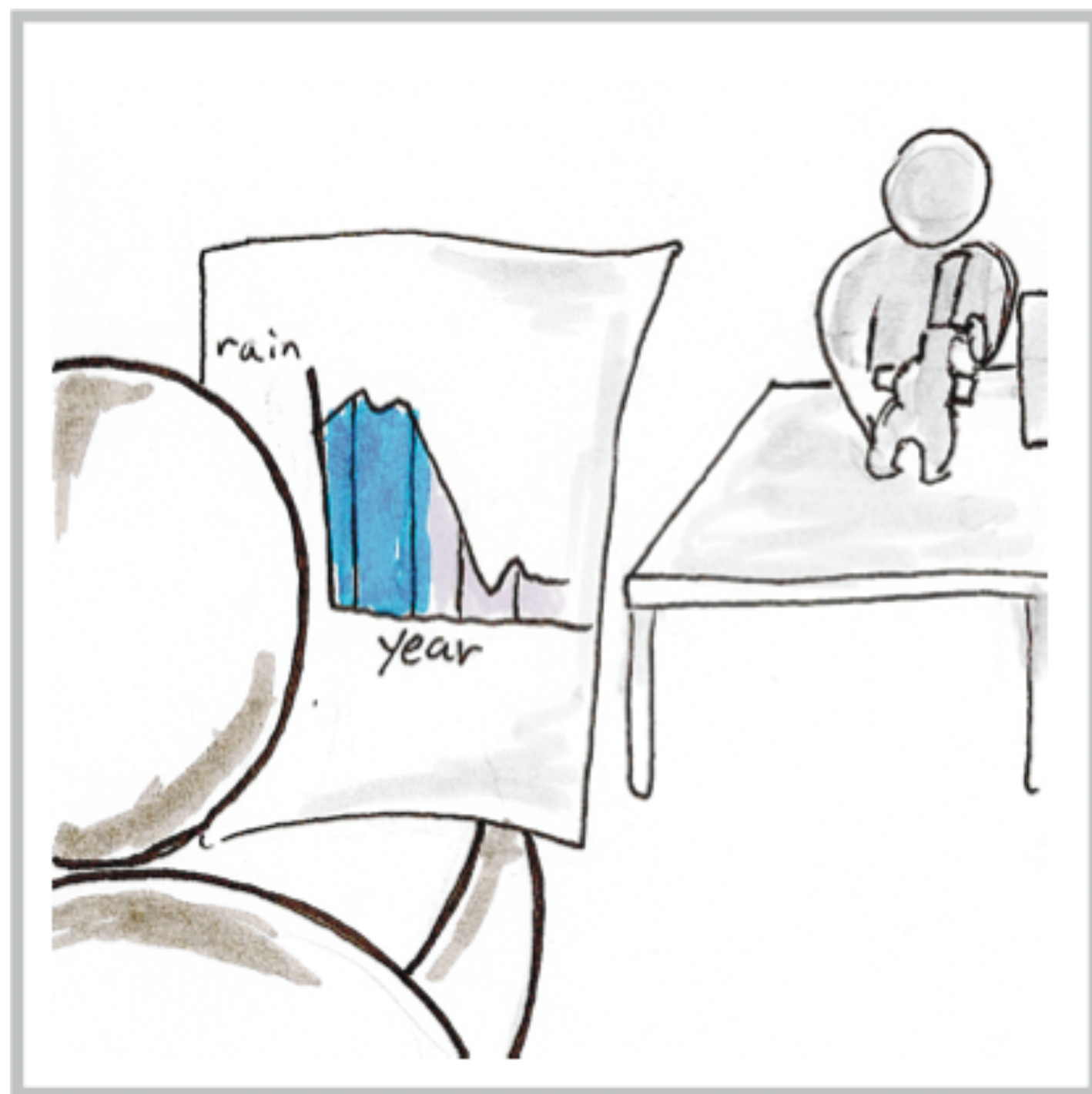
From 7 billion to 2,000.

HunchWorks Users

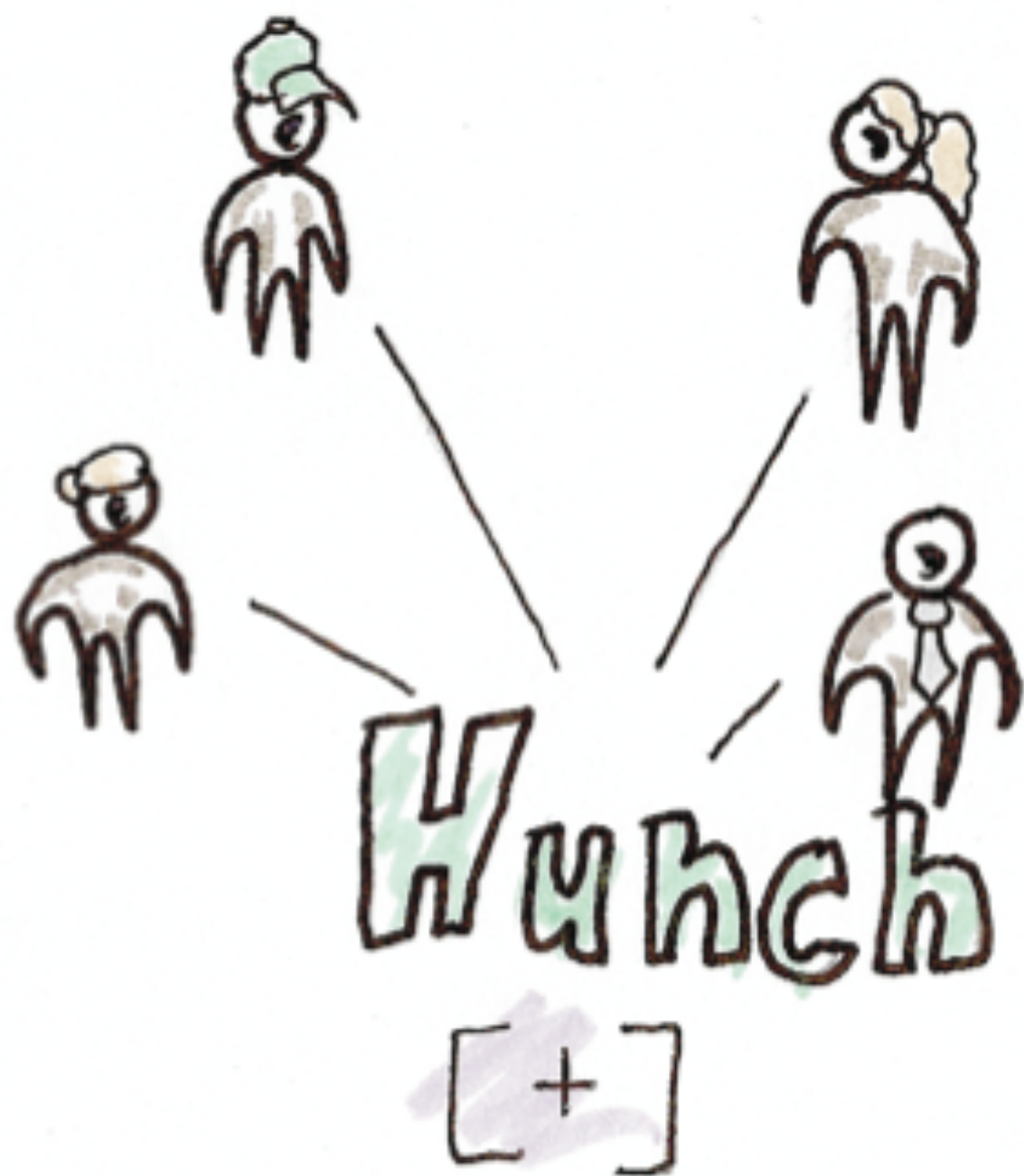












How?

~~How?~~

~~How?~~

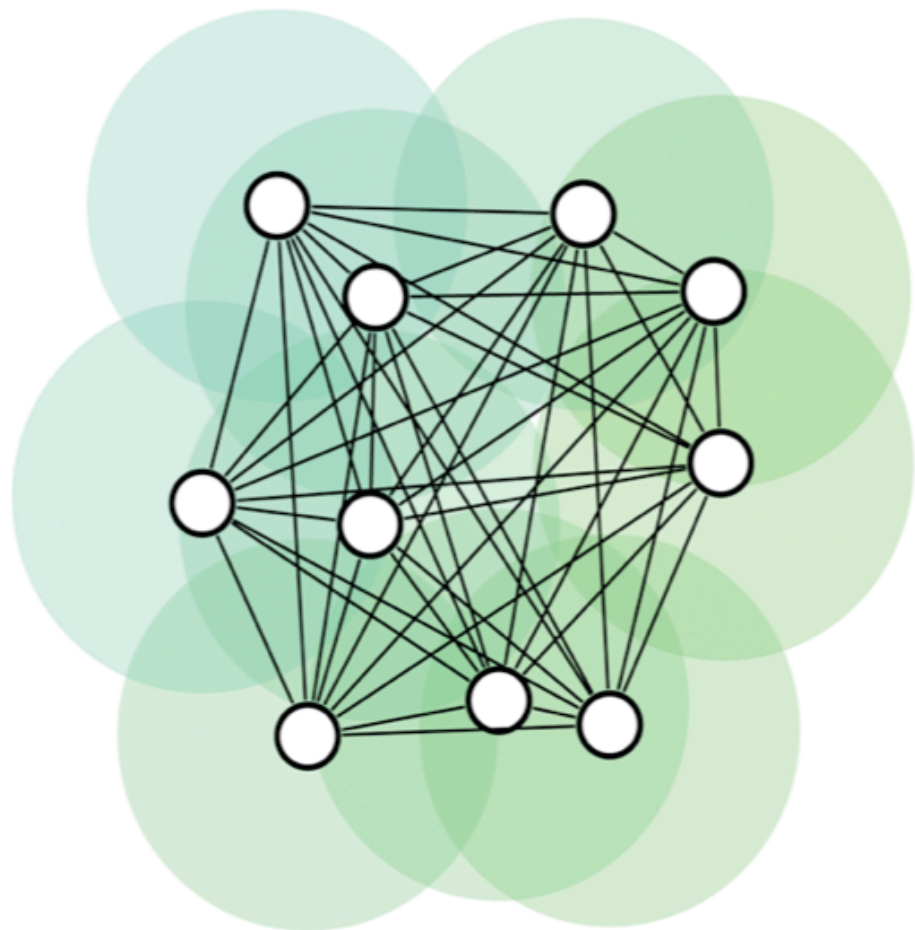
Why?

Tools alone **will not be enough**
to sustain HunchWorks.

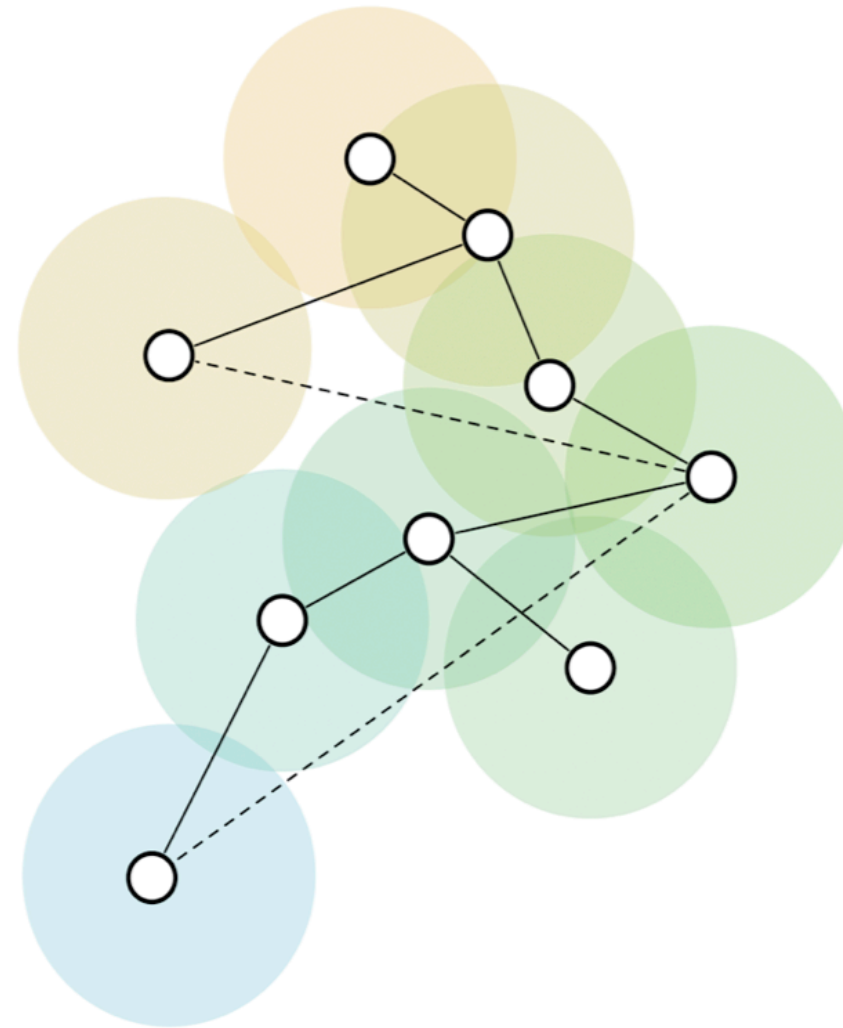
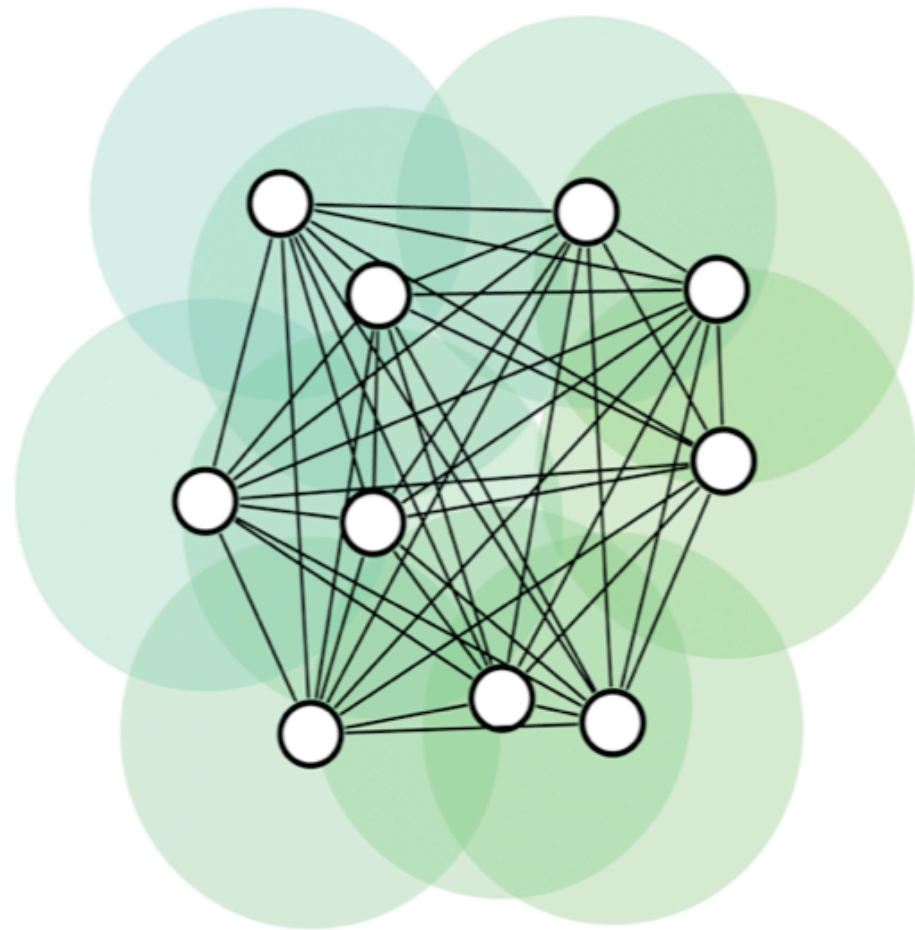
Tools alone **will not be enough**
to sustain HunchWorks.

We must **build a strong community**
around these tools.

Leverage existing connections...



Leverage **existing connections...**
and suggest **new ones.**



Complete these steps to start

1. Profile

2. Connections

3. Hunches

Tell us about yourself

Who I Am

First Name

Last Name

Location

Email Address

Twitter

Skype

What I've Studied

Institution

What I Do

Occupation

Organization

Expertise

Skills (separate with a comma)

e.g. data visualization, GIS analysis,
mobile data collection etc

Background and interests

give a brief overview of yourself

Or import your profile info...



Import from LinkedIn



Import from Facebook



Import from Teamworks

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Complete these steps to get started

1. Profile

2. Connections

3. Hunches

Your profile

Profile 50% complete

Education

Fill in your education history to become 66% complete.

College:

Course:

Year completed:

[Add another course...](#)

Skills

Add more skills to find new connections and hunches relevant to your work.

I'm not interested

Submit

Welcome Steve!

Create a hunch

Based on your interests and background we have some suggestions to help you find other people to follow and share your hunches with.

People from your LinkedIn network

See all...



Ellie Mae Knopf

Analyst, MIT Media Lab
300 Connections, 50 Hunches
[+ Add as Connection](#)



John Amici

Designer, Columbia University
30 Connections, 23 Hunches
[+ Add as Connection](#)



Steve James

Economist, UNDP
100 Connections, 10 Hunches
[+ Add as Connection](#)



Alicia Silverstone

Activist, Hollywood
1200 Connections, 10 Hunches
[+ Add as Connection](#)

People with complementary skills to yours

See all...



Sarah Wilson

Analyst, MIT Media Lab
300 Connections, 50 Hunches
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Connections depend on trust.

TRUST IS FORMED 1 TO 1

COMMUNITY
LEADERS
HAVE A
RESPONSIBILITY
TO CONNECT
WITH NEW
USERS



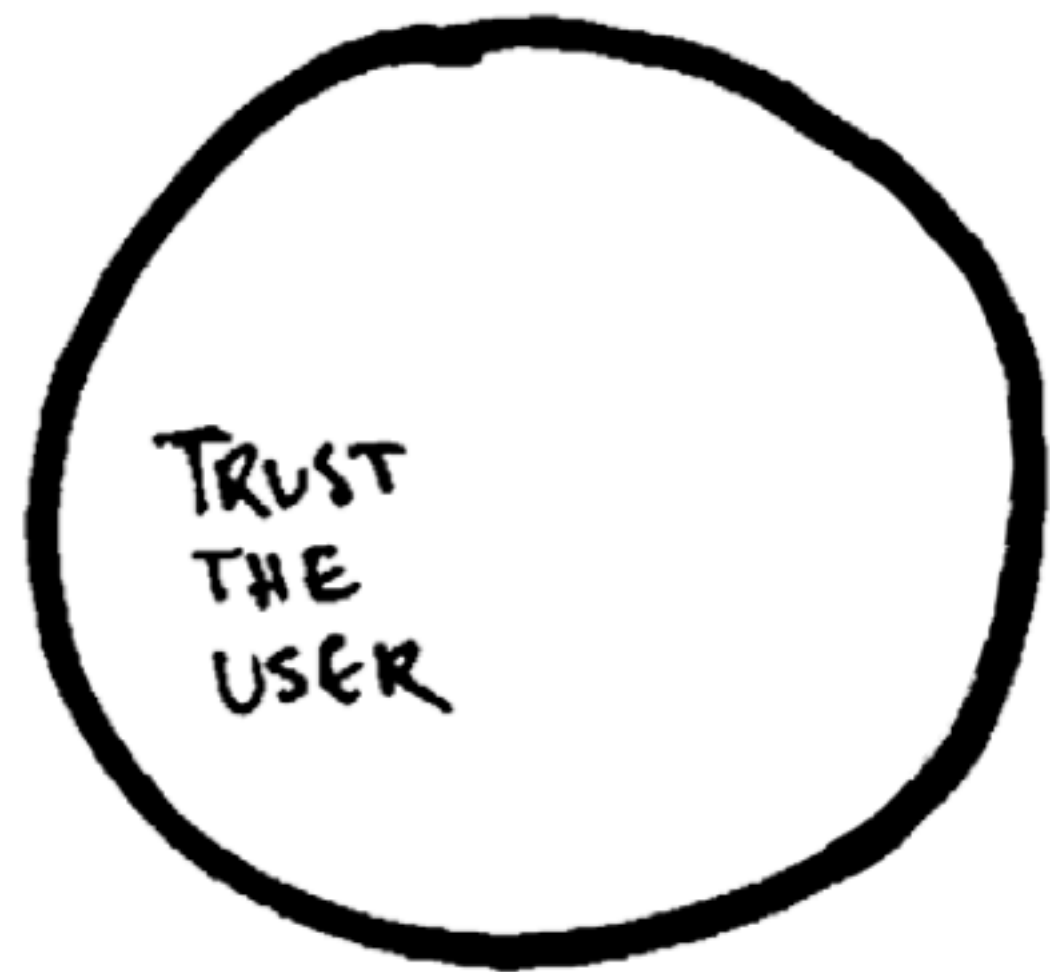
COMMUNITY
LEADER

TO

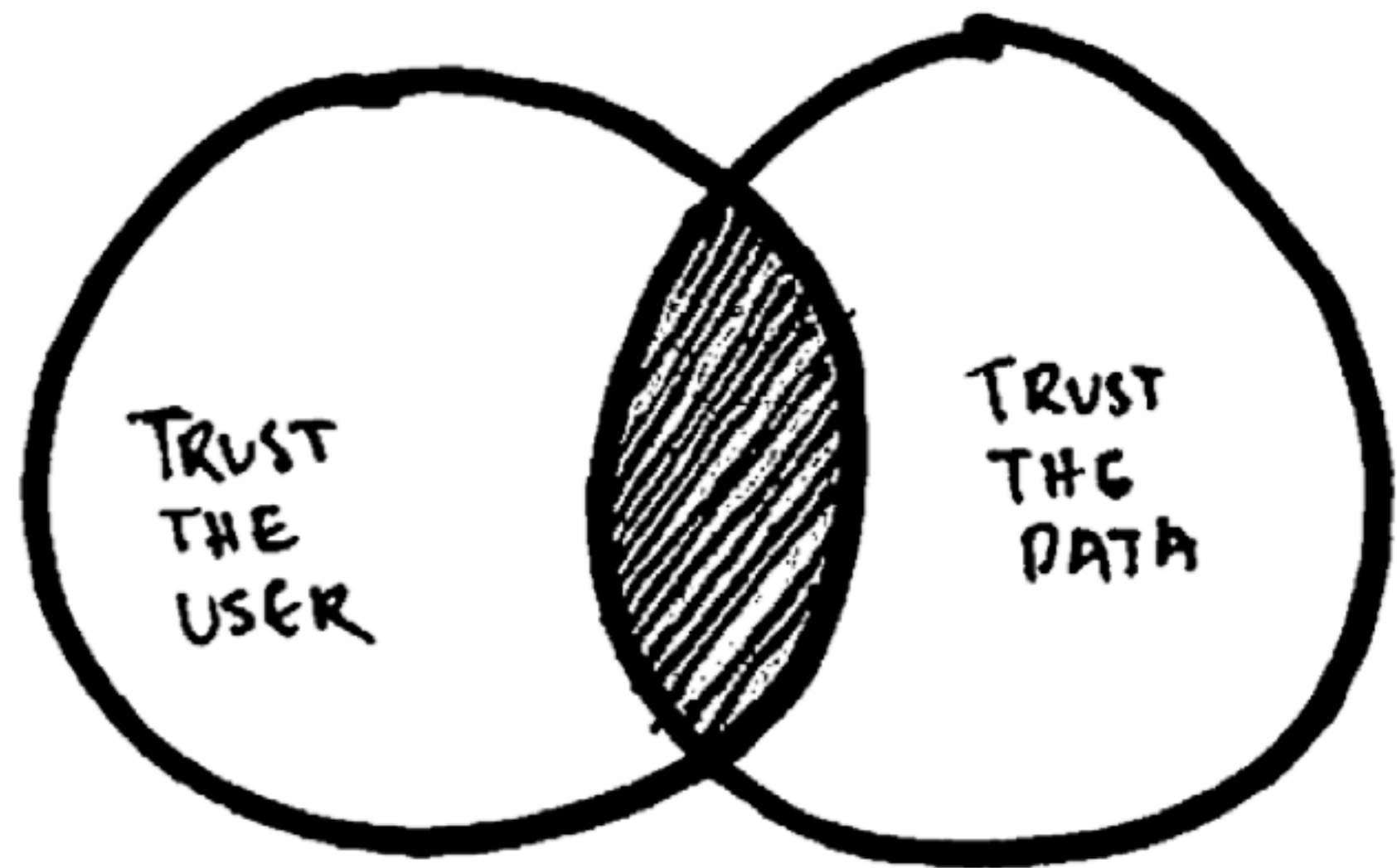


NEWUSER
JOHN

Hi John! Our community
is very excited to have you.
If you need anything or have
any questions at all, don't
hesitate to contact me

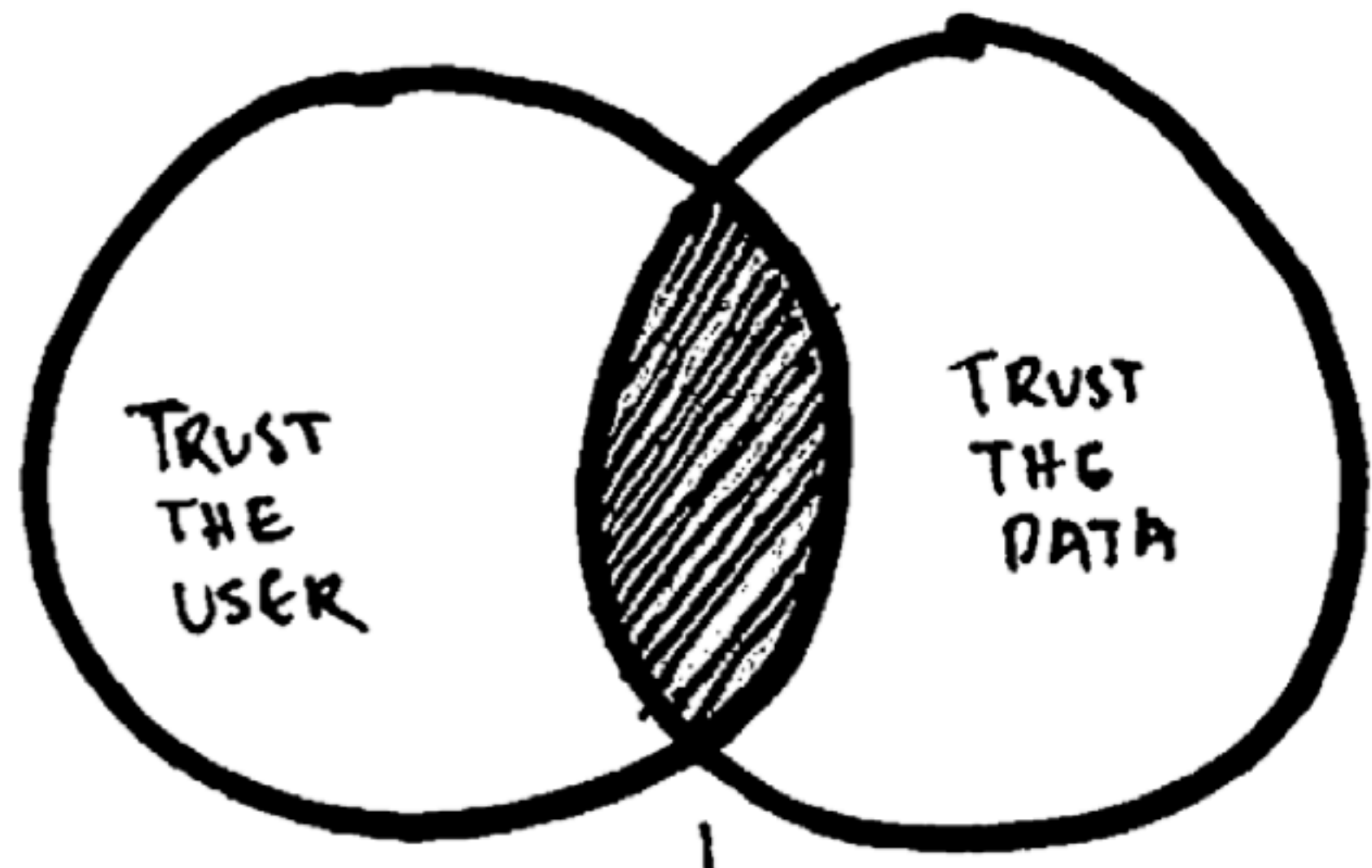


TRUST
THE
USER



TRUST
THE
USER

TRUST
THE
DATA






1
TRUST
THE
HUNCH

Create a new hunch

Title: (required)

Horn of Africa drought causing influx of displaced persons in Uganda

Description: (required)

Bold *Italic*  Bullets  Numbers  Link

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc sed ligula sem, eget vehicula augue. Nunc a nunc a ipsum molestie tristique sit amet sed nisi. Mauris convallis nunc nec purus commodo tristique. Curabitur sit amet neque sem. Ut blandit orci et orci eleifend ut auctor magna auctor. Praesent aliquet, nunc a laoreet porttitor, lacus nunc tempor dui, a volutpat diam tortor vel massa. Nulla facilisi. Mauris facilisis condimentum odio id accumsan.

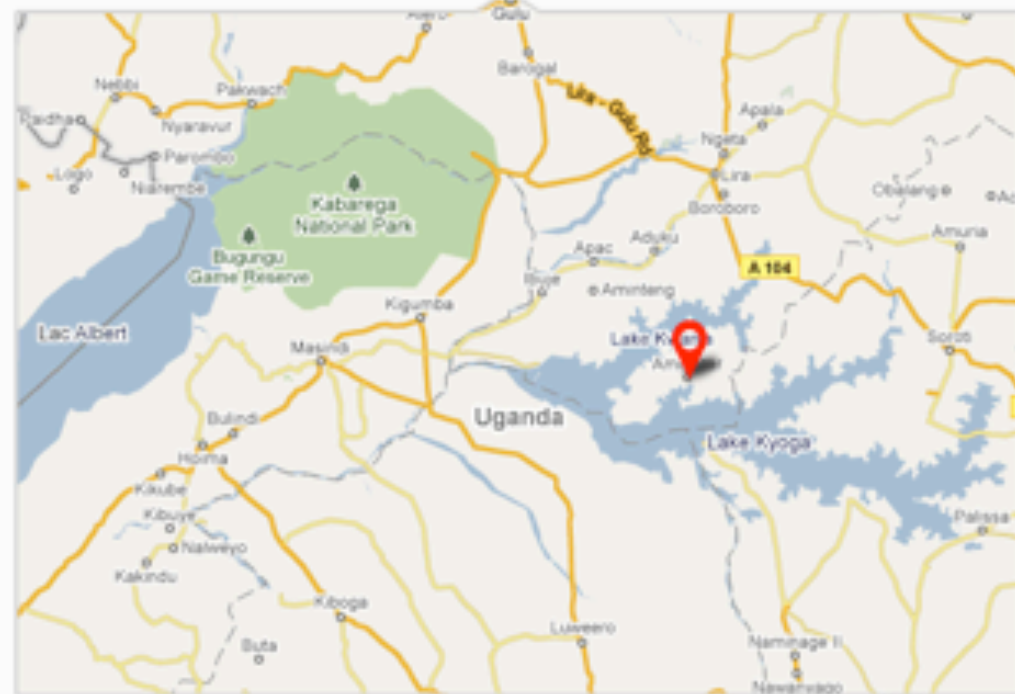
Quisque vel tempus nisi. Integer adipiscing nunc nec dui bibendum ultricies. Maecenas auctor porta sapien id commodo. Maecenas volutpat turpis a libero consequat cursus tincidunt quam commodo. Fusce placerat venenatis gravida. Aliquam porttitor porttitor leo id sagittis.

Tags: (optional but recommended)

[+ Add another tag](#)

climate change [agriculture](#) [uganda](#)

Location: [GIS COORDINATES](#) [PIN ON MAP](#) [DRAW ON MAP](#) [LOCATION NAME](#)



Related Hunches

Existing hunches that may be similar to yours...

[BY KEYWORDS](#) [BY LOCATION](#) [BY EVIDENCE](#)

Drought in Somalia resulting in IDPs

by [Jason C.](#) and [10 others](#)

10 pieces of evidence 25 comments

Food crisis impacting communities in southern Uganda

by [Brett M.](#) and [5 others](#)

5 pieces of evidence 50 comments

Climate impacts forcing communities to abandon farmland

by [Jason C.](#) and [10 others](#)

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Marketplace figures suggest climate impacts on Somali economy

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Add evidence: TWEET DATASET LINK PHOTO VIDEO ANECDOTE

[Upload a photo](#) | [Create an album](#)

+ Add another piece of evidence...






Security and sharing settings: (required)

- Open - Anyone may view, add evidence and comment.
- Closed - Visible in searches. Users may only view evidence and comments by invitation.
- Hidden - Not visible in searches. Users may only view and contribute by direct invitation.

Share with:

CONTACTS GROUPS INVITE

Start typing the name of a contact

-  Tim Berners-Lee
UK Open Gov, 240 connections
-  Clay Shirky
NYU, 230 connections
-  Yochai Benkler
MIT, 350 connections
-  Adele Waugamann
UN Foundation, 50 connections
-  Chris Fabian
UNICEF Innovation, 50 connections

[See more results >](#)

Cancel Save as Draft Review & Publish

A hunch *is* the **discussion** surrounding it.

Confidence

67%
HIGH

Horn of Africa drought causing influx of displaced persons in Uganda

Created August 8, 2011 by  **Author** (you)

Unfollow

Add to group

Share

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc sed ligula sem, eget vehicula augue. Nunc a nunc a ipsum molestie tristique sit amet sed nisi. Mauris convallis nunc nec purus commodo tristique. Curabitur sit amet neque sem. Ut blandit orci et orci eleifend ut auctor magna auctor. Praesent aliquet, nunc a laoreet porttitor, lacus nunc tempor dui, a volutpat diam tortor vel massa. Nulla facilisi. Mauris facilisis condimentum odio id accumsan.

Quisque vel tempus nisl. Integer adipiscing nunc nec dui bibendum ultricies. Maecenas auctor porta sapien id commodo. Maecenas volutpat turpis a libero consequat cursus tincidunt quam commodo. Mauris convallis nunc nec purus commodo tristique. Curabitur sit amet neque sem. Ut blandit orci et orci eleifend ut auctor magna auctor. [Read more...](#)

HIGH recent activity in the past week

- + Significant credibility gained
- + Evidence added

- + 16 positive contributions
- 2 negative contributions

Estimated confidence is **HIGH**



OPEN

Anyone may view, add evidence and comment.

VIEW ▶



Evidence 3 new



3 videos



15 photos



10 datasets



300 links



5 observations

Confidence

67%
HIGH

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Created August 8, 2011 by  **Author** (you)

Unfollow

Add to group

Share

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc sed ligula sem, eget vehicula augue. Nunc a nunc a ipsum molestie tristique sit amet sed nisi. Mauris convallis nunc nec purus commodo tristique. Curabitur sit amet neque sem. Ut blandit orci et orci eleifend ut auctor magna auctor. Praesent aliquet, nunc a laoreet porttitor, lacus nunc tempor dui, a volutpat diam tortor vel massa. Nulla facilisi. Mauris facilisis condimentum odio id accumsan.

Quisque vel tempus nisl. Integer adipiscing nunc nec dui bibendum ultricies. Maecenas auctor porta sapien id commodo. Maecenas volutpat turpis a libero consequat cursus tincidunt quam commodo. Mauris convallis nunc nec purus commodo tristique. Curabitur sit amet neque sem. Ut blandit orci et orci eleifend ut auctor magna auctor. [Read more...](#)

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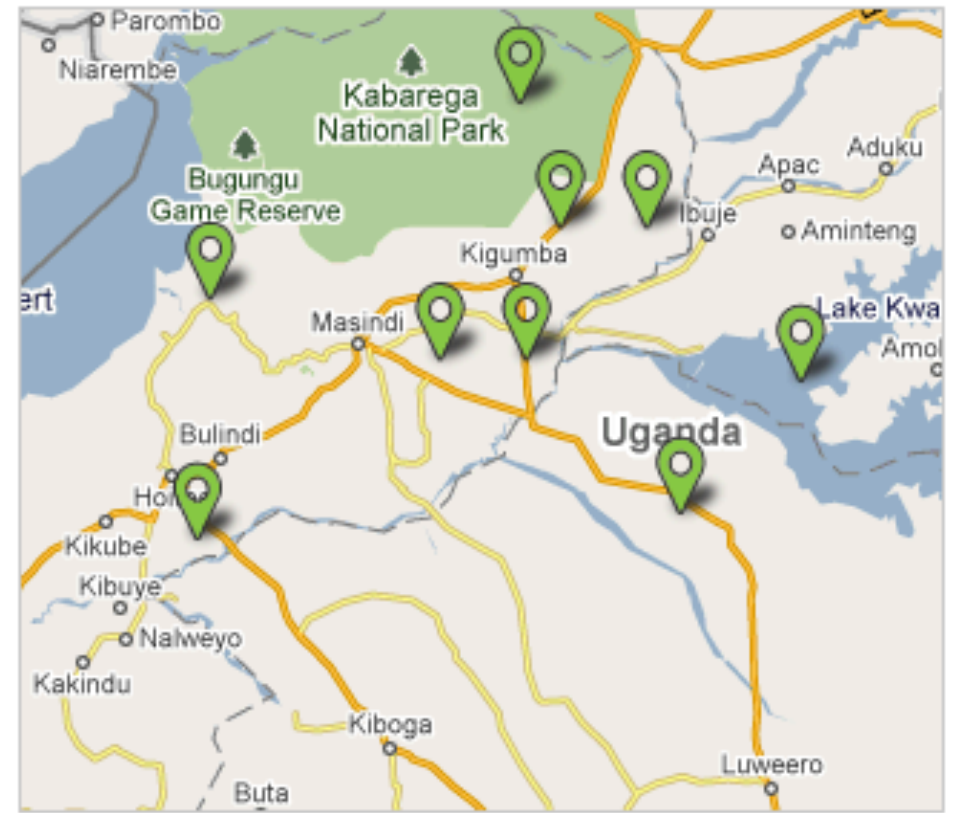
HIGH recent activity in the past week

- + Significant credibility gained
- + Evidence added
- + 16 positive contributions
- 2 negative contributions

Estimated confidence is **HIGH**

OPEN Anyone may view, add evidence and comment.

VIEW ▶



Evidence 3 new

- 3 videos
- 15 photos
- 10 datasets
- 300 links
- 5 observations

HunchWorks is an **action engine**.

HunchWorks is an **action engine**.

“Is this hunch **true enough to do something** about it?”

Making that action happen.

Open Source and the UN



Open Source and the UN

Code Jams

Hackathons

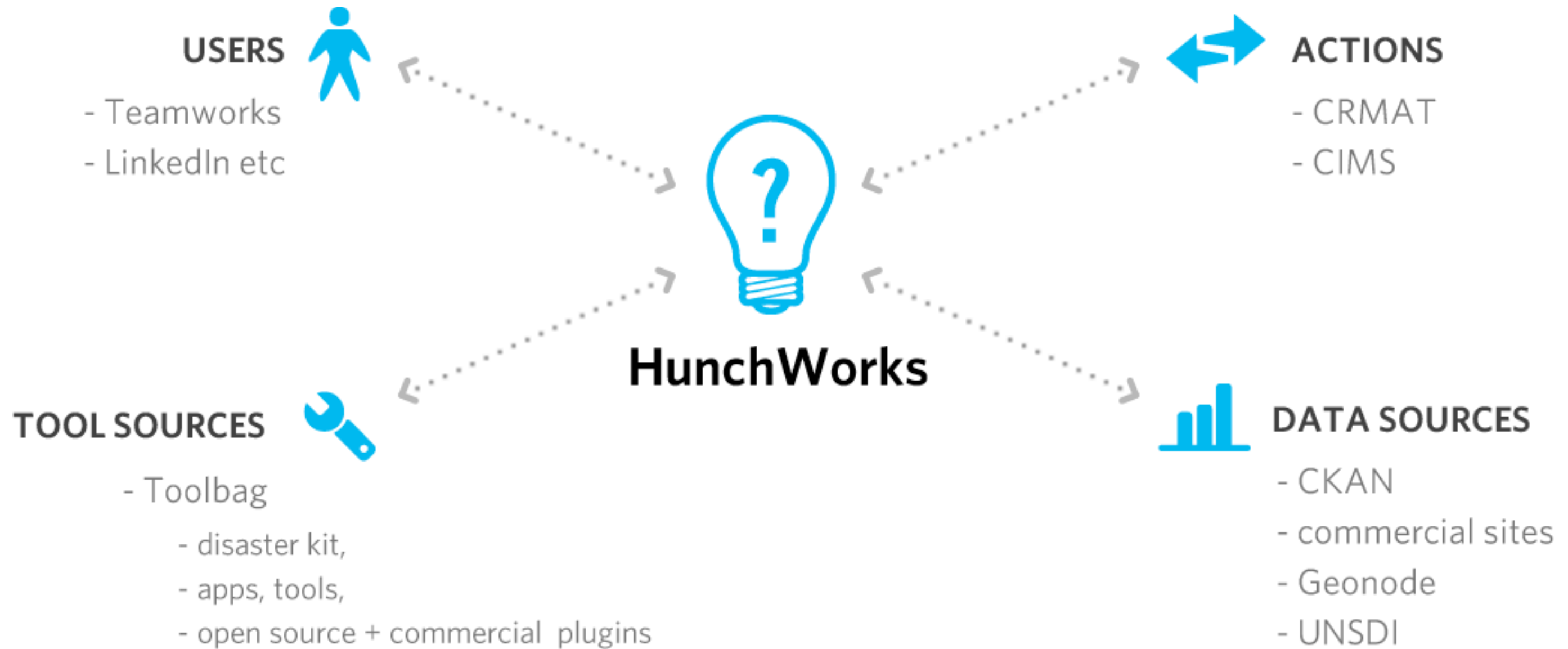
Blue Hacks
Open Innovation

**Licensing
Models**

**Git
Repositories**

Facilitation

Integration



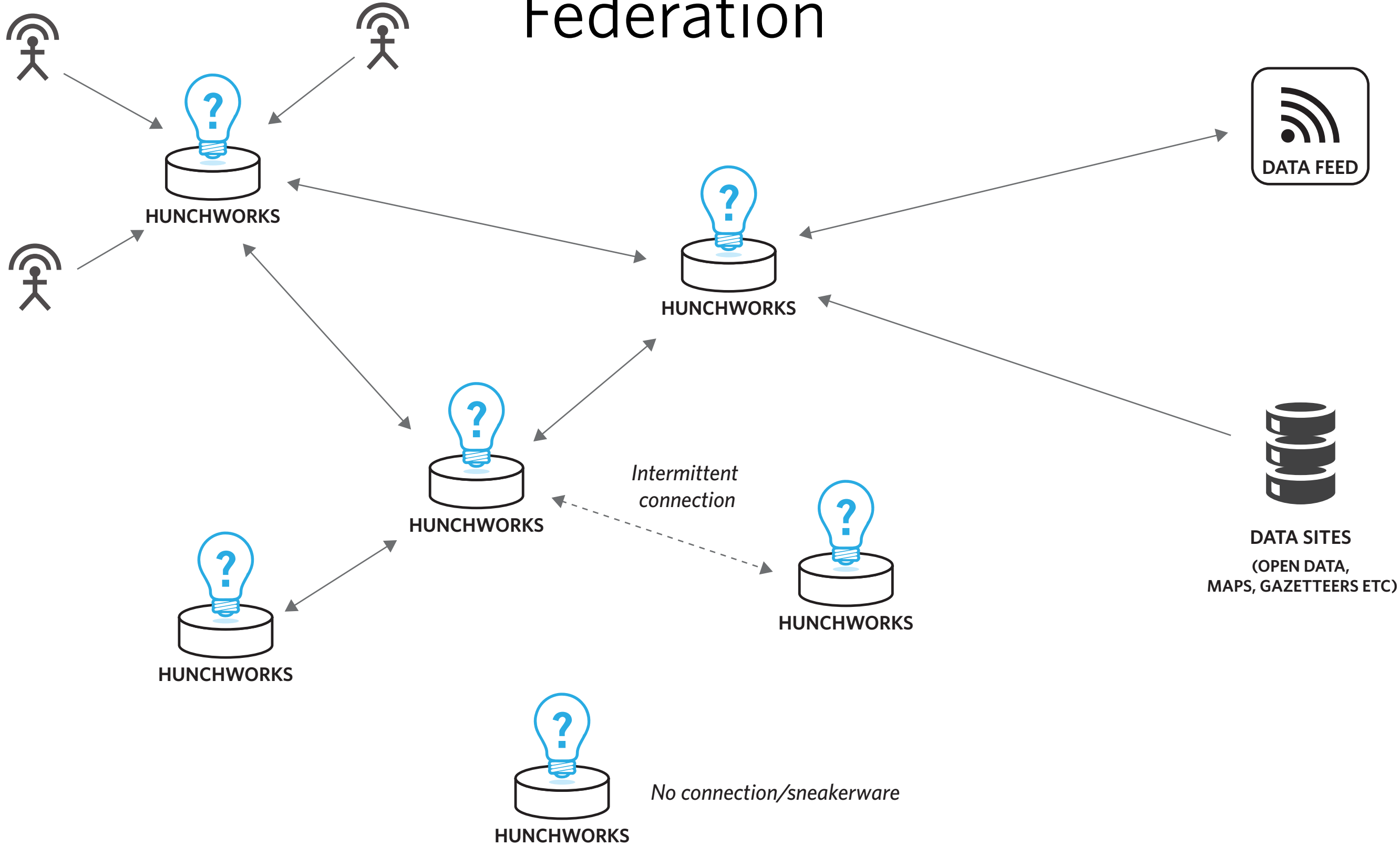
Algorithms

- ▶ Similarity and complementarity metrics
- ▶ Relevance
- ▶ Credibility
- ▶ Hunch splitting, merging and clustering
- ▶ Mixing human insight with big data results

System Issues

- ▶ Security
- ▶ Localisation
- ▶ Federation

Federation



Timeline

Roadmap

- ▶ **to November 2011** (prototype delivery)
Hunchworks is in the Proof of Concept stage.
- ▶ **From November 2011 til January 2012** (first release)
Hunchworks is in seed stage (early development), looking for angel-style funding through UN Foundation.
- ▶ **From Feb 2012 till Jan 2013** (first full-featured release)
HunchWorks is in early stage development

We need your help!

- ▶ **Funding**
- ▶ **Beta Communities**
- ▶ **Development partners**
- ▶ **Did I mention funding...?**

Thank you

Chris van der Walt

@cvanderwalt

Dane Petersen

@thegreatsunra

Sara Farmer

@bodaceacat

www.unglobalpulse.org

@unglobalpulse

info@unglobalpulse.org