# Data Sharing at IFRC

Heather Leson, Data Literacy Lead
Guido Pizzini, Information Management & Data Analysis

International Federation of Red Cross and Red Crescent Societies
Fédération internationale des Sociétés de la Croix-Rouge et du Croissant-Rouge
Federación Internacional de Sociedades de la Cruz Roja y de la Media Luna Roja
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# The Data Revolution is here. Are we 'Data Ready'?

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DATA PLAYBOOK: SLIDEDECK 3
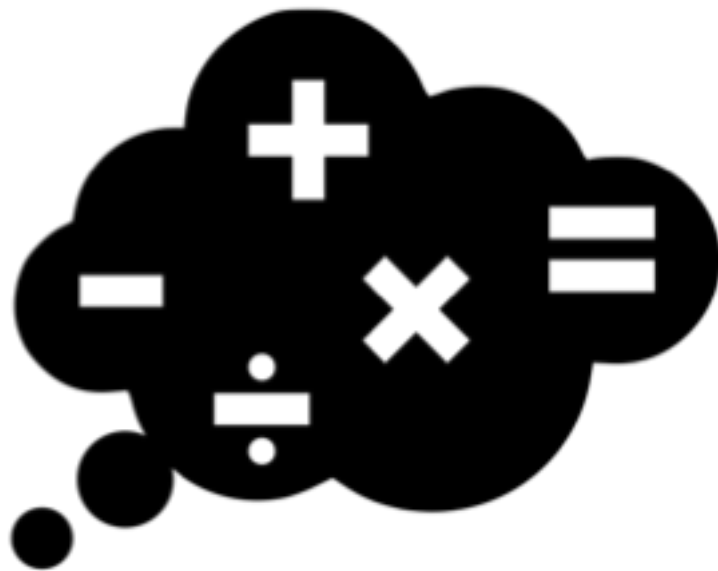
# What is Data Literacy?
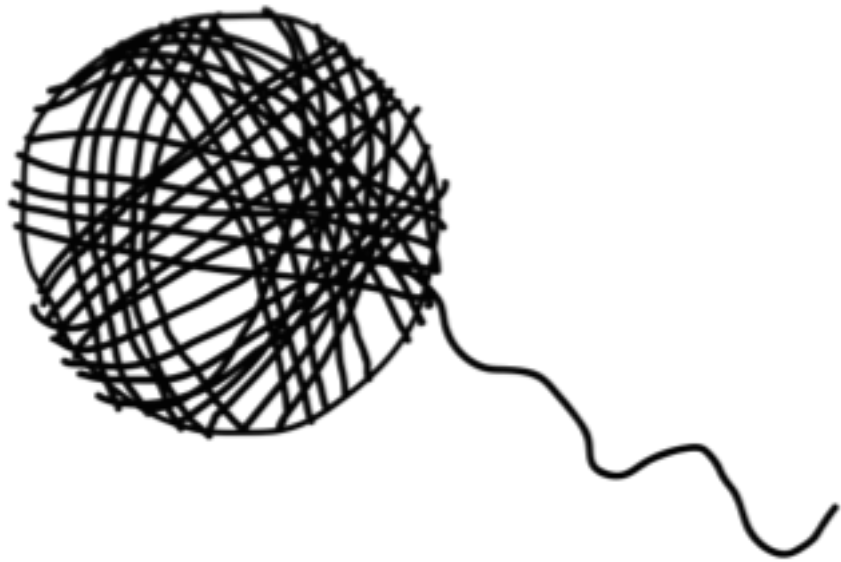
*"Data Literacy includes the skills, knowledge, attitudes, and social structures required for different populations to use data."**

How can we build an ecosystem of data ready colleagues across sectors?

*Source: School of Data

# Potential benefits of focusing on Data literacy:

- Teamwork / Collaboration
- Increased Accountability/Transparency
- Organizational Effectiveness (reuse, decrease of duplication)
- Financial improvements
- Competencies / Skills

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# Any plan or model needs to consider:



- Our priorities (areas of focus/strategic areas of focus, Strategy 2020), Our Work as Humanitarians
- Our practices, policies, standards and principles
- Socialization, Engagement, Negotiation, Empathy, Change Management
- Digital divide/Access/Diverse Skills
- Diverse Learning Journeys/Needs

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# Data Types

## Community/Citizen

- SMS Mobile Data
- Email
- Surveys
- Social Media (Whatsapp, Facebook, Twitter, Instagram)
- Multimedia (Photos, Video, VR)

## Government

- Census/Population
- Statistics
- Infrastructure
- Finance/Budgets/Spending
- Companies/Land Ownership
- Pollution Index/Water Quality

## Physical

- Geographical
- Infrastructure

## Aerial/Satellite

- Satellite
- Aerial/UAV
- Balloon Mapping

## Sensor/New Tech

- Biometric
- Genetic (Crispr)
- Movement
- Meteorology
- Bitcoin

# Data Pipeline

When we talk about "data", people often focus on the **skills**, **tools** and the **process** steps for delivery of data products like a "dataset."

The 'Data Pipeline'* is an example of data ready skills. We all have varying levels of know-how.

*Source: School of Data

Graphic Source: School of Data

# Responsible Data Lifecycle



Source: Responsible Data Forum

# What does data literacy mean for me?

| Role | Task |
|------|------|
| IM / Operations/PMER/Health | Deliver projects with information products/Assess project and programme delivery |
| Marketing Communications | Excellent data/analysis, narrative for storytelling, brand and fundraising |
| IT | Assess and support data products/tools, provide infrastructure |
| Training | Provide e-learning, workshops and technical training |
| Manager | Strategic planning, staff development, organization development |
| Community served | Provide data, obtain help/services, get feedback |

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# Building Data Literacy

# Data Literacy Menu

## 1. Connect

- Informal Data Working Group
- Data Stories
- Ecosystem Map
- Data Simulations

## 2. Learn

- Build on existing curriculum
- Connect with other Data Literacy Organizations
- Sessions
- Excel around the world

## 3. Create

- IFRC Data Playbook:
- Templates, checklists, best practices, scenarios and recipes.

## 4. Measure & Impact

- Responsible Data Policy (in draft)
- Revise IT Policies
- Data Readiness Metrics/KPIs/Competencies

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# Data-literate is not the same as data-skilled
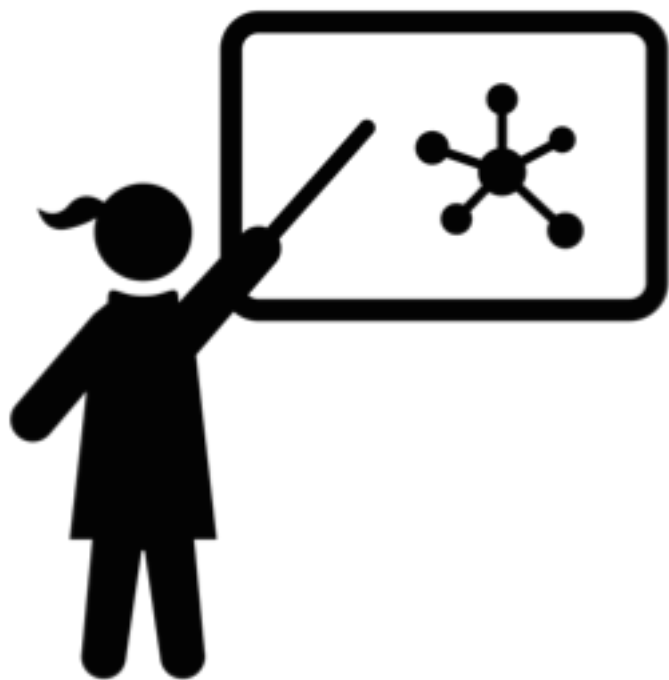


"*A data-literate organisation is one that shares a culture of data and a strong vision of the future. Most people invested in this vision will have no analytic interaction with data and may never need to.*"*

*Source: Open Data Institute

# *Madagascar, Cyclone Enawo Response*



@guipizzini

SIMS + Go

Outputs / Effort

SIMS

Go

Time

CYLCONE ENAWO: MADAGASCAR

Précipitations and Cyclone Route 06 Mars 2017 - 10 Mars 2017

Précipitations (mm)

- 5 - 100
- 100 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- 500 - 523

☐ Region
■ Cyclone tropical intense
■ Cyclone tropical
■ Dépression sur terre

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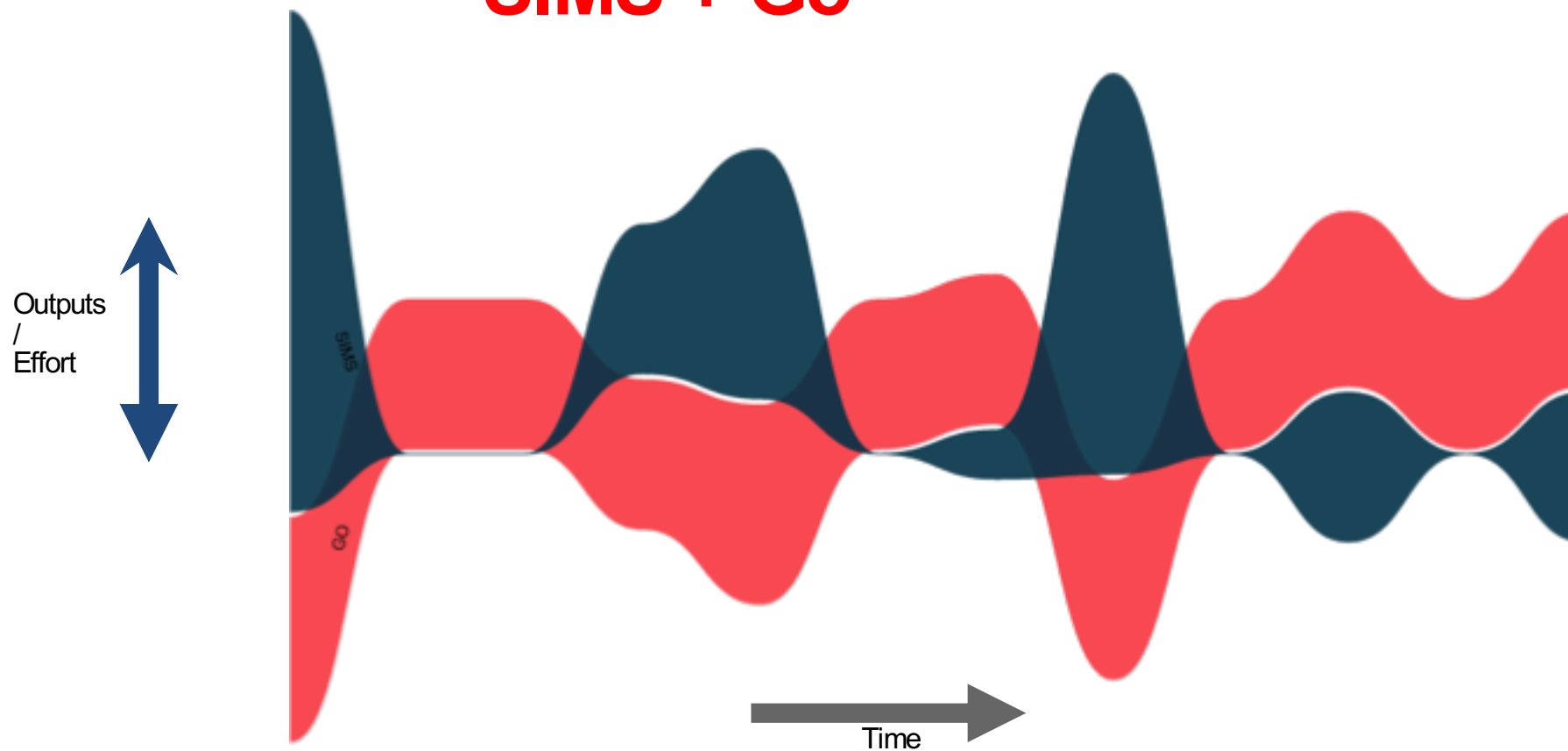
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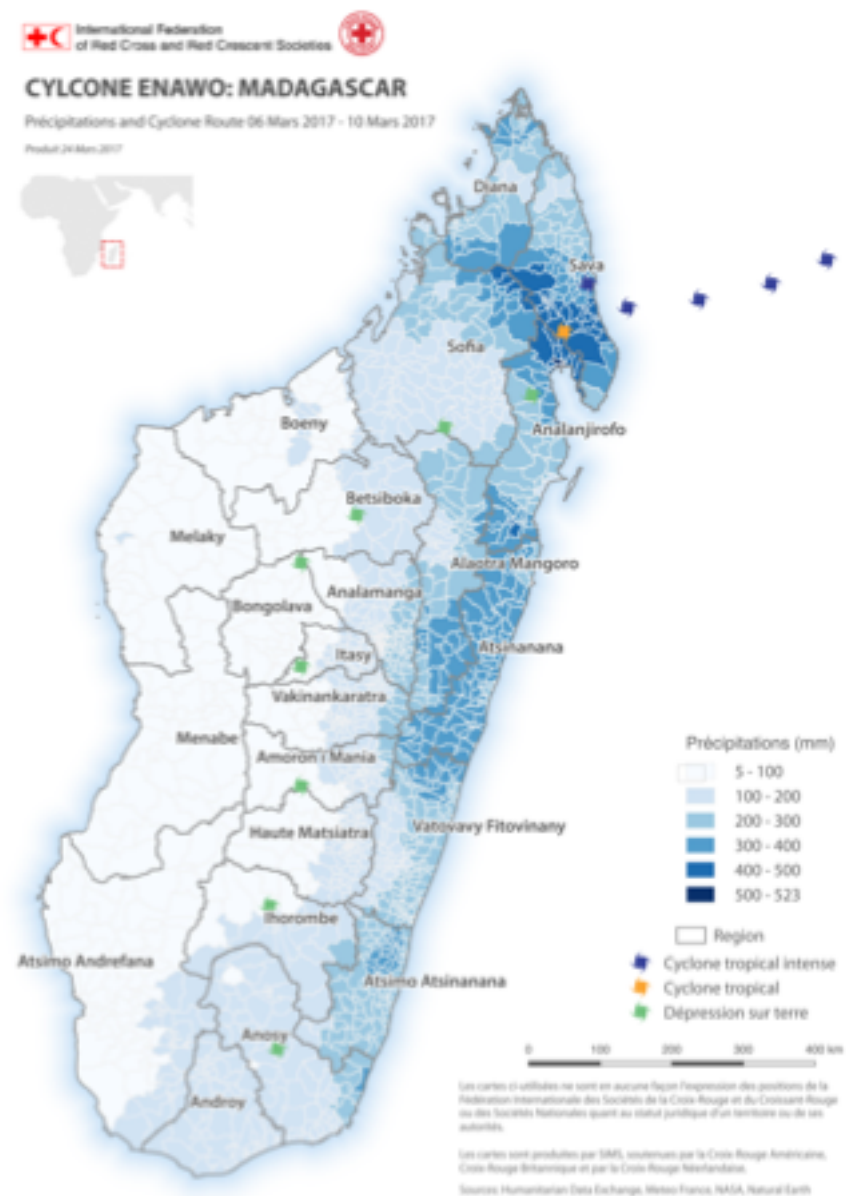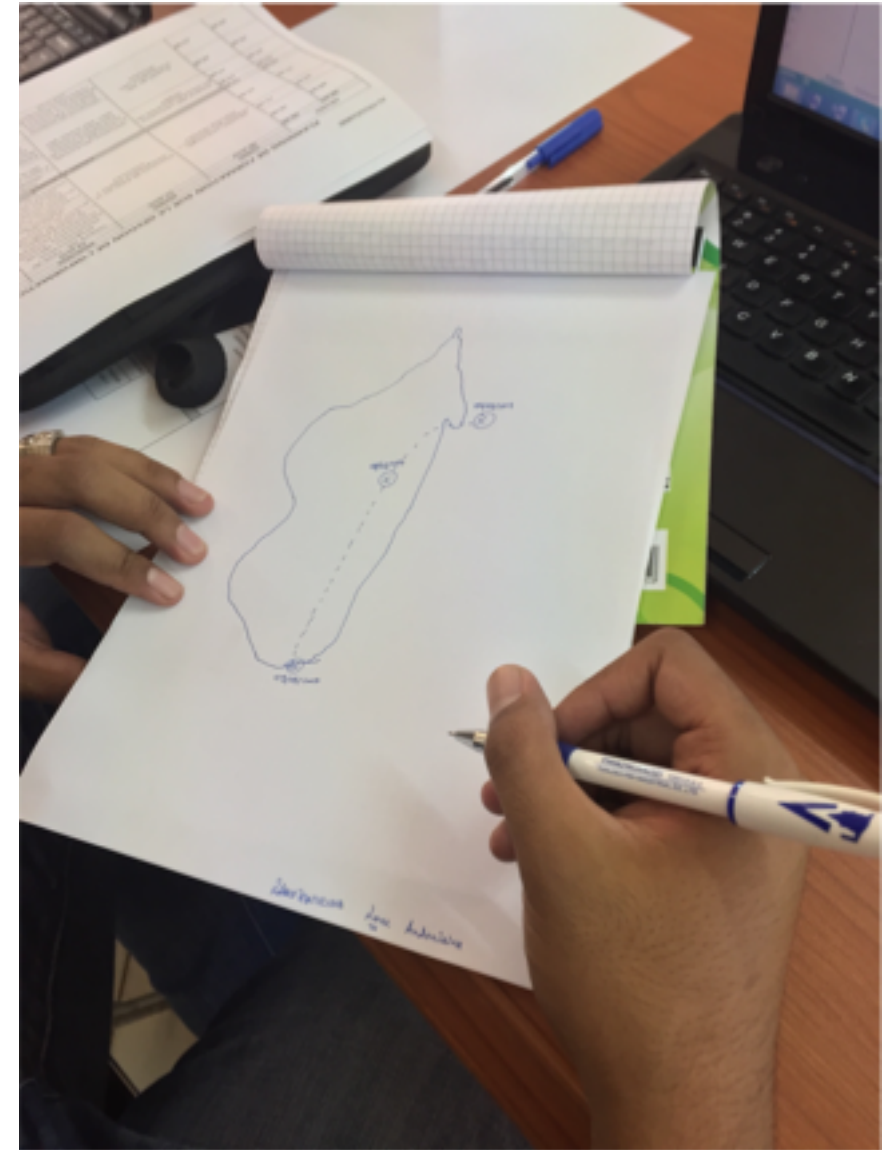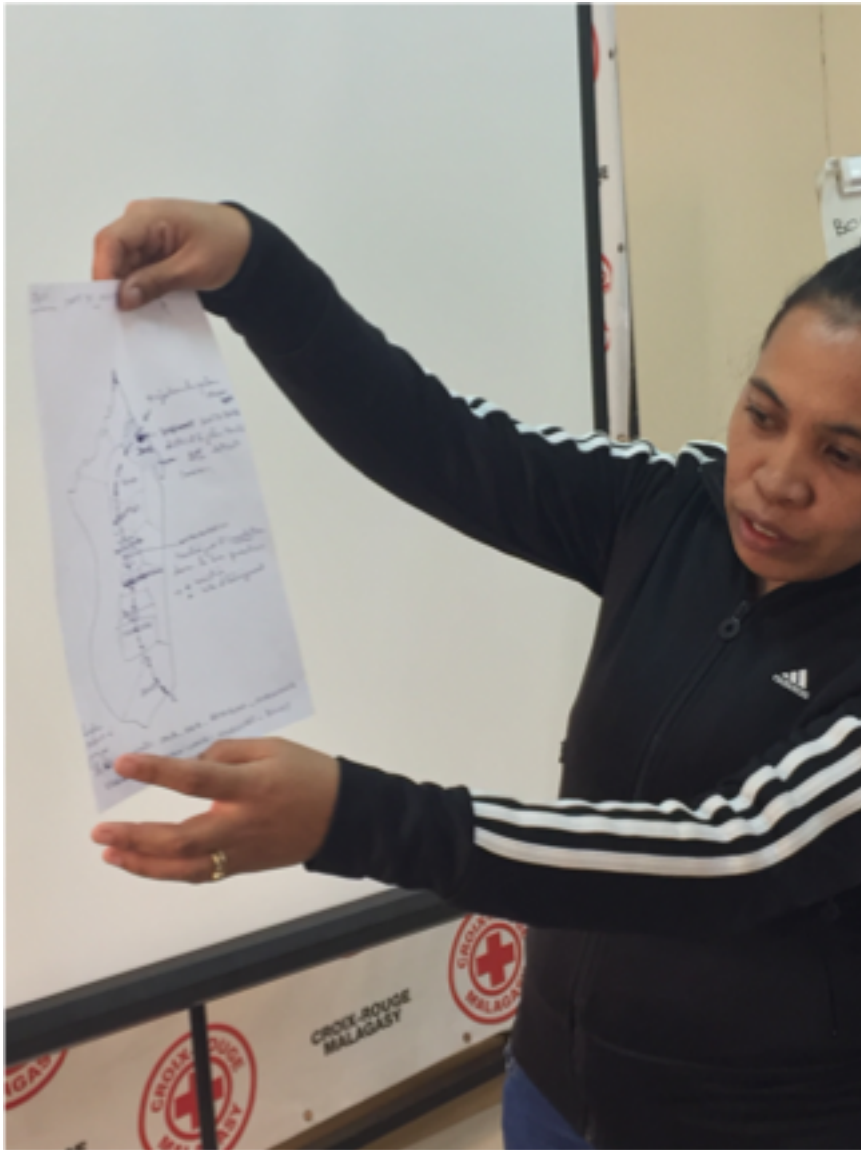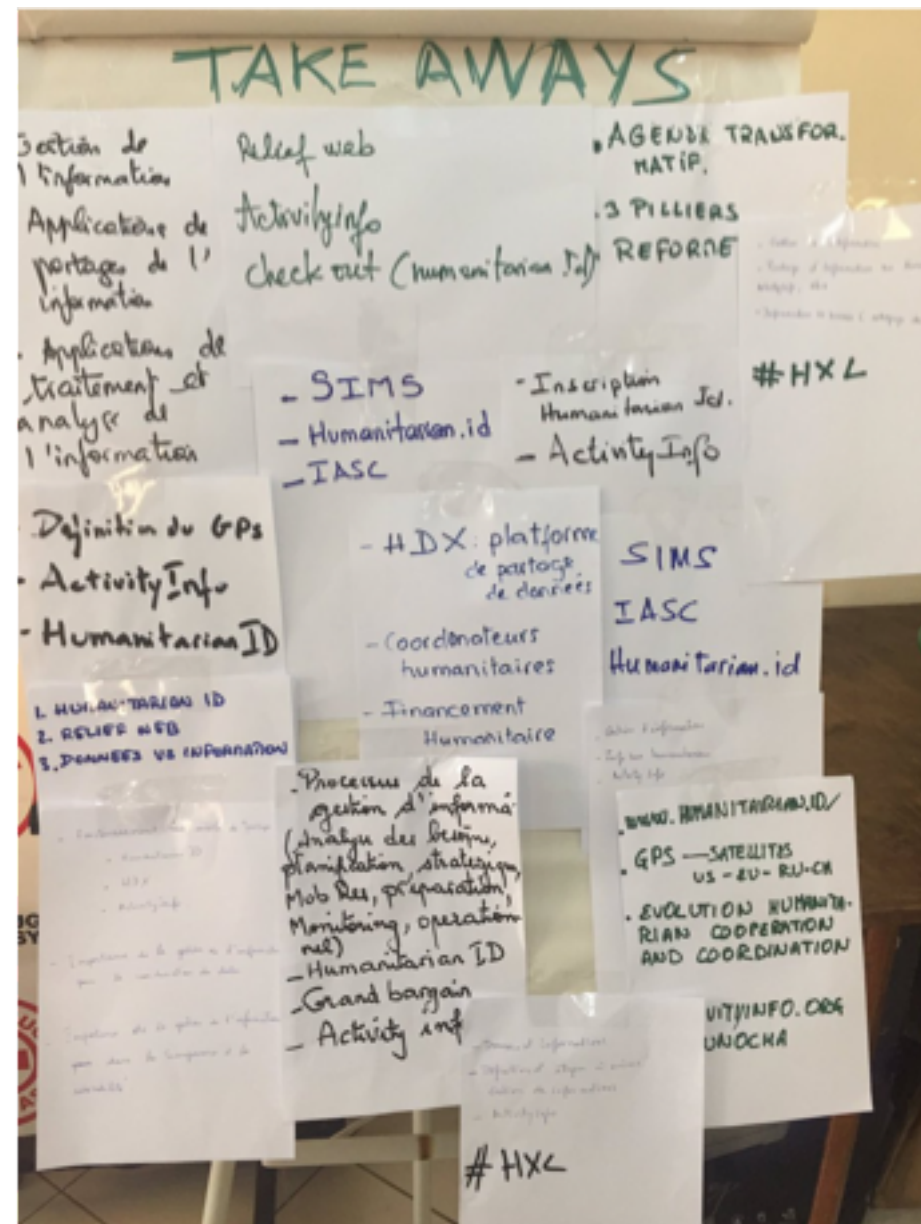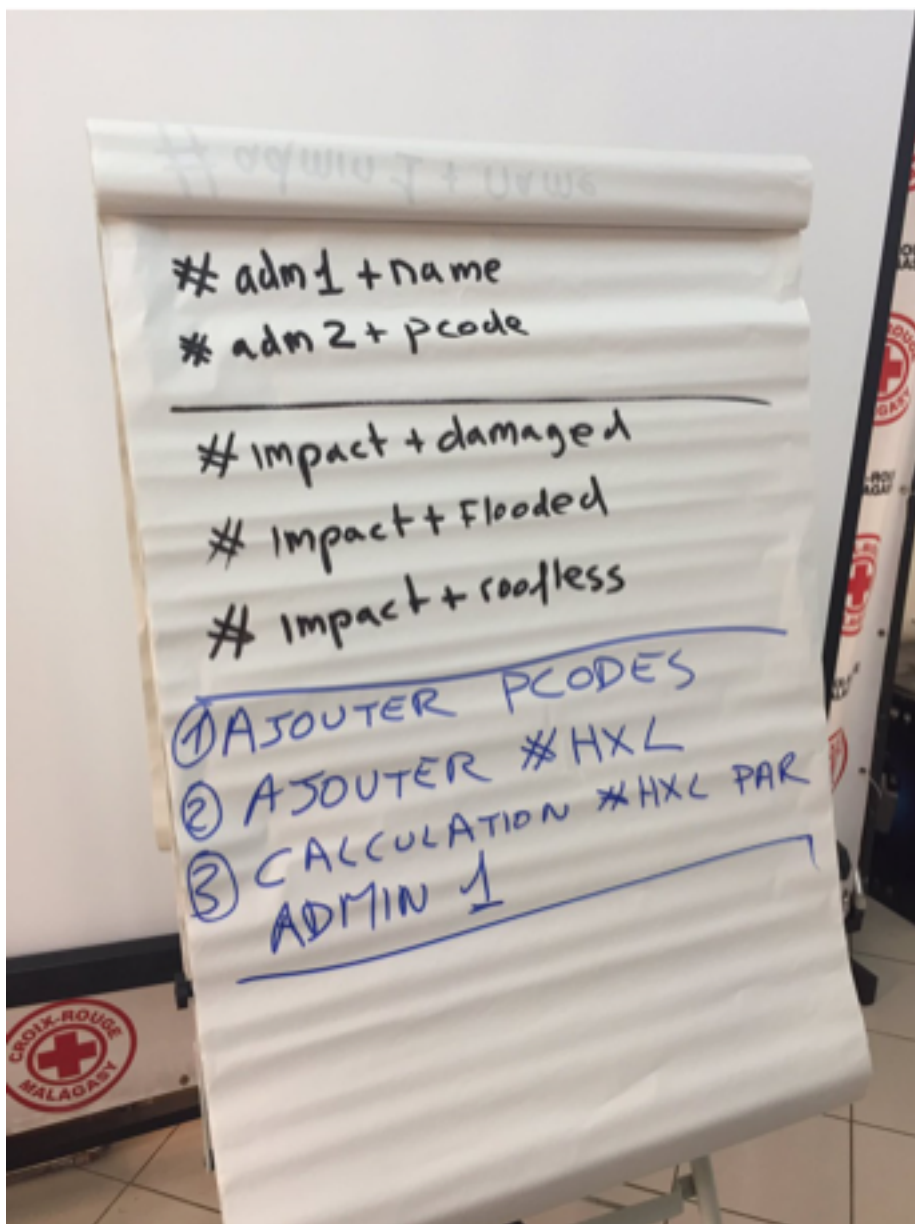
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| E | F | G | H | I | S | T |
|---|---|---|---|---|---|---|
| **Pcode District** | **Communes** | **Pcode Communes** | **Fokontany** | **Pcode Fokontany** | **Moins de 05 ans** | **Enceinte** |
| #adm2+code | #adm3+name | #adm3+code | #adm4+name | #adm4+code | cted+idps+individuals+inf | dps+individuals+ |
| MDG72711 | Sambava Cu | MDG72711010 | Ambodisatrana | MDG72711010011 | 86 | 19 |
| MDG72711 | Farahalana | MDG72711079 | Farahalana | MDG72711079001 | 63 | 23 |
| MDG72711 | Farahalana | MDG72711079 | Antohomaro | MDG72711079002 | 0 | 0 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Ambondrona | MDG72710010006 | 689 | 49 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Ankoalabe | MDG72710010012 | 539 | 56 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Ambatofisaka | MDG72710010002 | 220 | 43 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Antsonasona | MDG72710010011 | 257 | 27 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Anjiamangotroka | MDG72710010016 | 128 | 11 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Tanambao | MDG72710010001 | 236 | 10 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Tanambao'n'ampano | MDG72710010003 | 114 | 14 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Ambatoratsy | MDG72710010008 | 144 | 6 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Maherifody | MDG72710010013 | 517 | 221 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Ambatomitraka | MDG72710010005 | 595 | 71 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Antsirandambo | MDG72710010007 | 118 | 19 |
| MDG72710 | Antalaha Ambonivohitr | MDG72710010 | Ambodibonara | MDG72710010004 | 298 | 28 |
| MDG72710 | Ambinanifaho | MDG72710190 | Tsarahonenana | MDG72710190005 | 108 | 21 |
| MDG72710 | Ambinanifaho | MDG72710190 | Ambodimanga | MDG72710190002 | 41 | 28 |
| MDG72710 | Ambinanifaho | MDG72710190 | Beanamalao | MDG72710190004 | 9 | 3 |
| MDG72710 | Ambinanifaho | MDG72710190 | Ampanatsovana | MDG72710190003 | 132 | 12 |
| MDG72710 | Ambinanifaho | MDG72710190 | Ambinanifaho | MDG72710190001 | 44 | 4 |
| MDG72710 | Lanjarivo | MDG72710230 | Lanjarivo | MDG72710230001 | 7 | 4 |
| MDG72710 | Lanjarivo | MDG72710230 | Analanantsoa | MDG72710230010 | 28 | 6 |
| MDG72710 | Lanjarivo | MDG72710230 | Vohitrarivo | MDG72710230004 | 15 | 2 |
| MDG72710 | Lanjarivo | MDG72710230 | Vohitsoa | MDG72710230009 | 9 | 0 |
| MDG72710 | Lanjarivo | MDG72710230 | Sarahandrano | MDG72710230003 | 12 | 5 |



CYCLONE ENAWO: MADAGASCAR
Rapport de Situation 05 Avril 2017
Produit 05 Avril 2017

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Link to Madagascar dashboard on Go: http://ifrcgo.org/appeals/mdrmg012/

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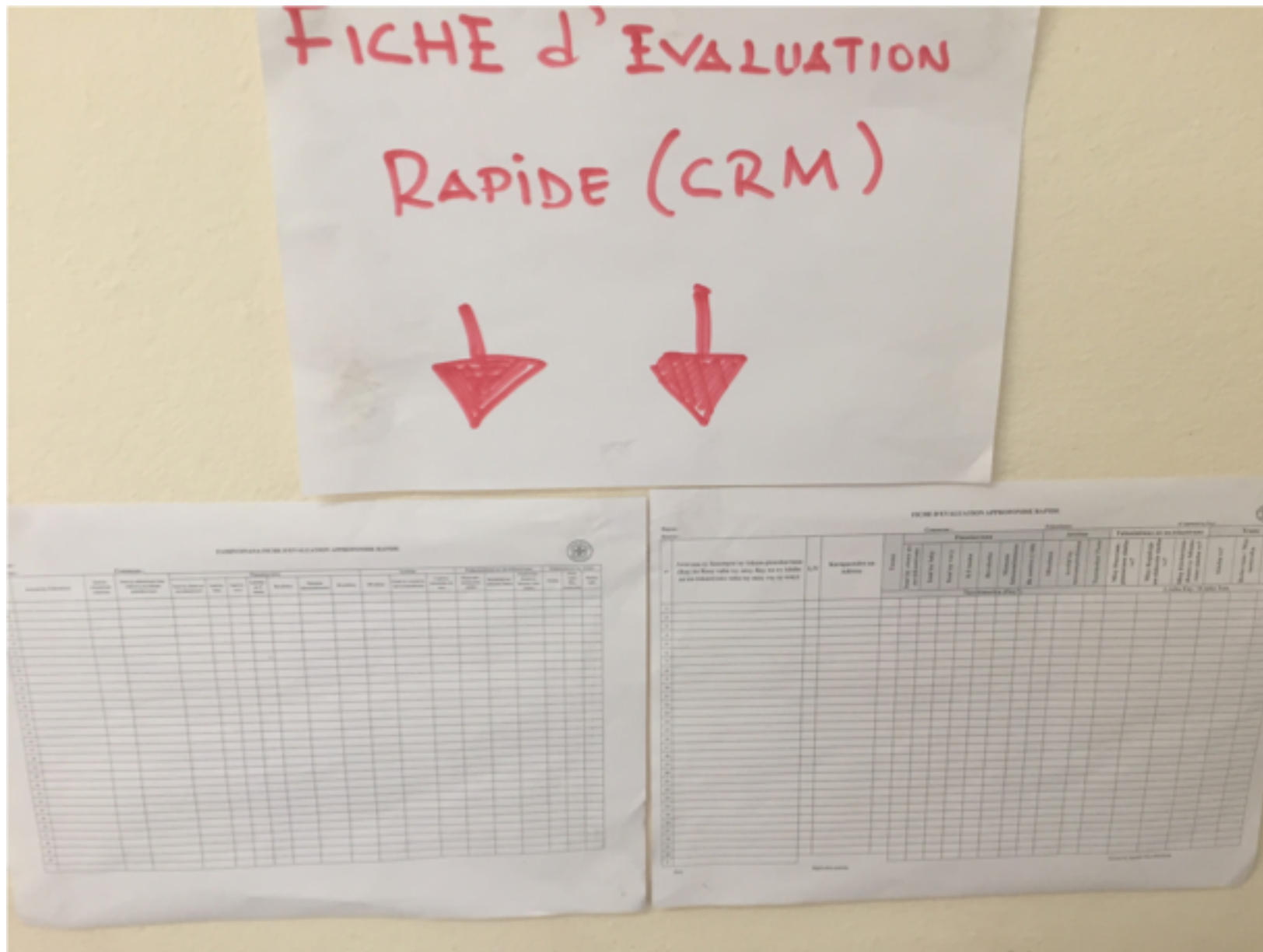
# A few quotes from the participants...

"Only through sharing accurate and timely data we can experience the real added value of Information Management".

"I believe that sharing data with agreed upon standards is crucial to allow all actors engaged in a humanitarian response to easily access and analyse those datasets".

"What is the added value of having high quality data, if we do not share it among the actors engaged in the response?"

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# SHARING DATA: BASIC CONSIDERATIONS

- WHO: Need the data? What is their role?

- TYPES: What type of data is it? Is there personally identifiable information?

- LICENSE: Who owns or has access to the data? What is the license for data use?

- WHY: What is the purpose of sharing? Who can share the data?

- HOW: What is the format/ Can it be exported? Where will it be stored? How will you track usage/feedback?

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☐ Consent
☐ Aggregated? Disaggregated?
☐ License/ Format

☐ Minimization (Only what you need)

☐ Owner/ Data Controller

☐ Feedback Loop: How Data Was Used
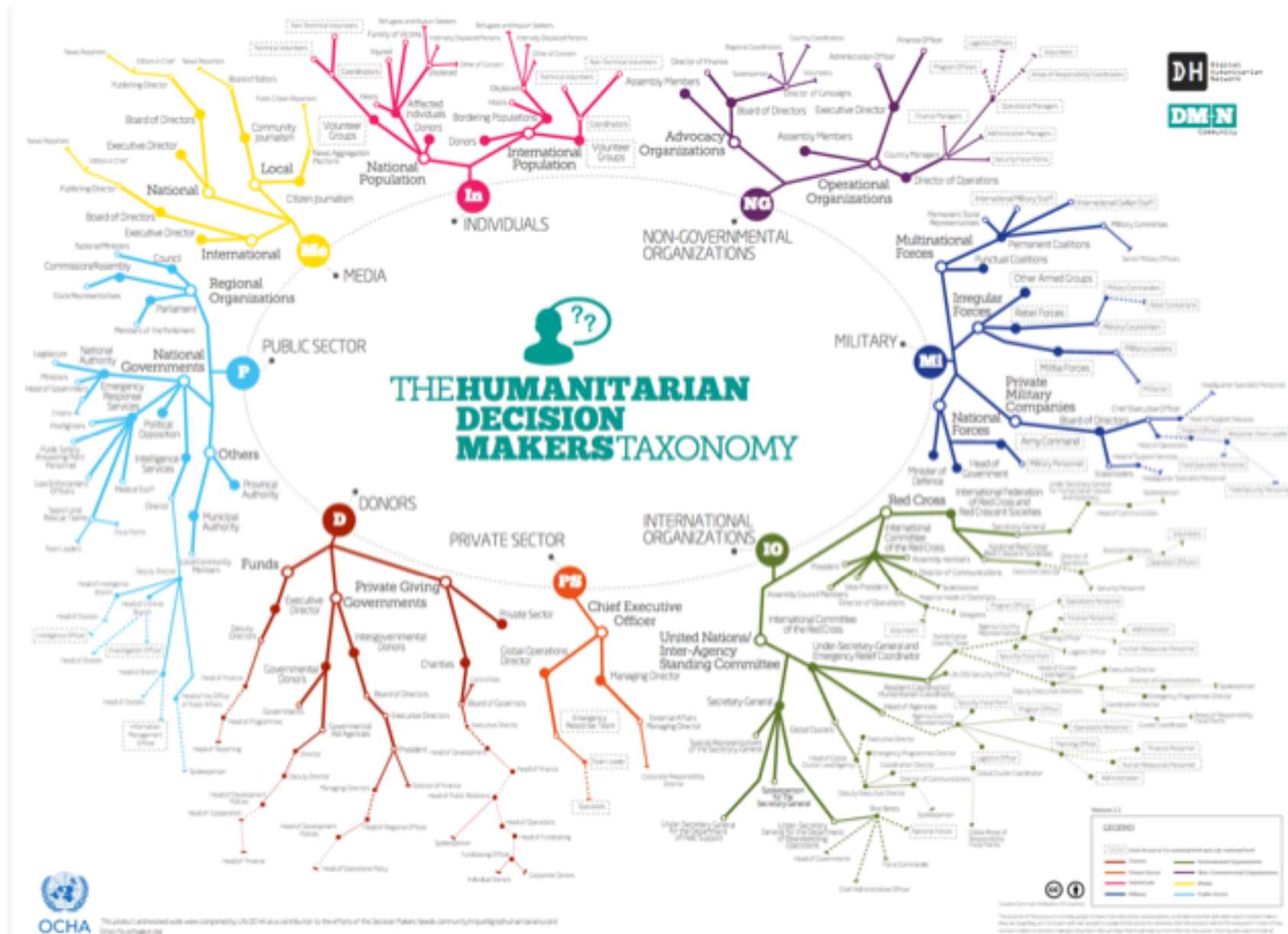
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THE **HUMANITARIAN DECISION MAKERS** TAXONOMY

# THANK YOU

Heather Leson, Data Literacy Lead

Guido Pizzini, Senior Officer,
Information Management and Data
Analysis

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