

# 2012 Conference on Health and Humanitarian Logistics

March 21-23 · Hamburg, Germany

Daniel Stauffacher, Chairman, ICT4Peace Foundation  
[www.ict4peace.org](http://www.ict4peace.org)



*The unique and crucial  
Role of ICTs in  
Preventing, Responding  
to and Recovering from  
Conflict  
or any humanitarian  
disaster (WSIS Tunis,  
UN ICT Task Force,  
2005)*

**Information and  
Communication  
Technology  
for Peace**

The Role of ICT in Preventing,  
Responding to and Recovering  
from Conflict

Preface by  
**Kofi Annan**

Foreword by  
**Micheline Calmy-Rey**

By **Daniel Stauffacher, William Drake,  
Paul Currión and Julia Steinberger**



## The ICT4Peace Foundation

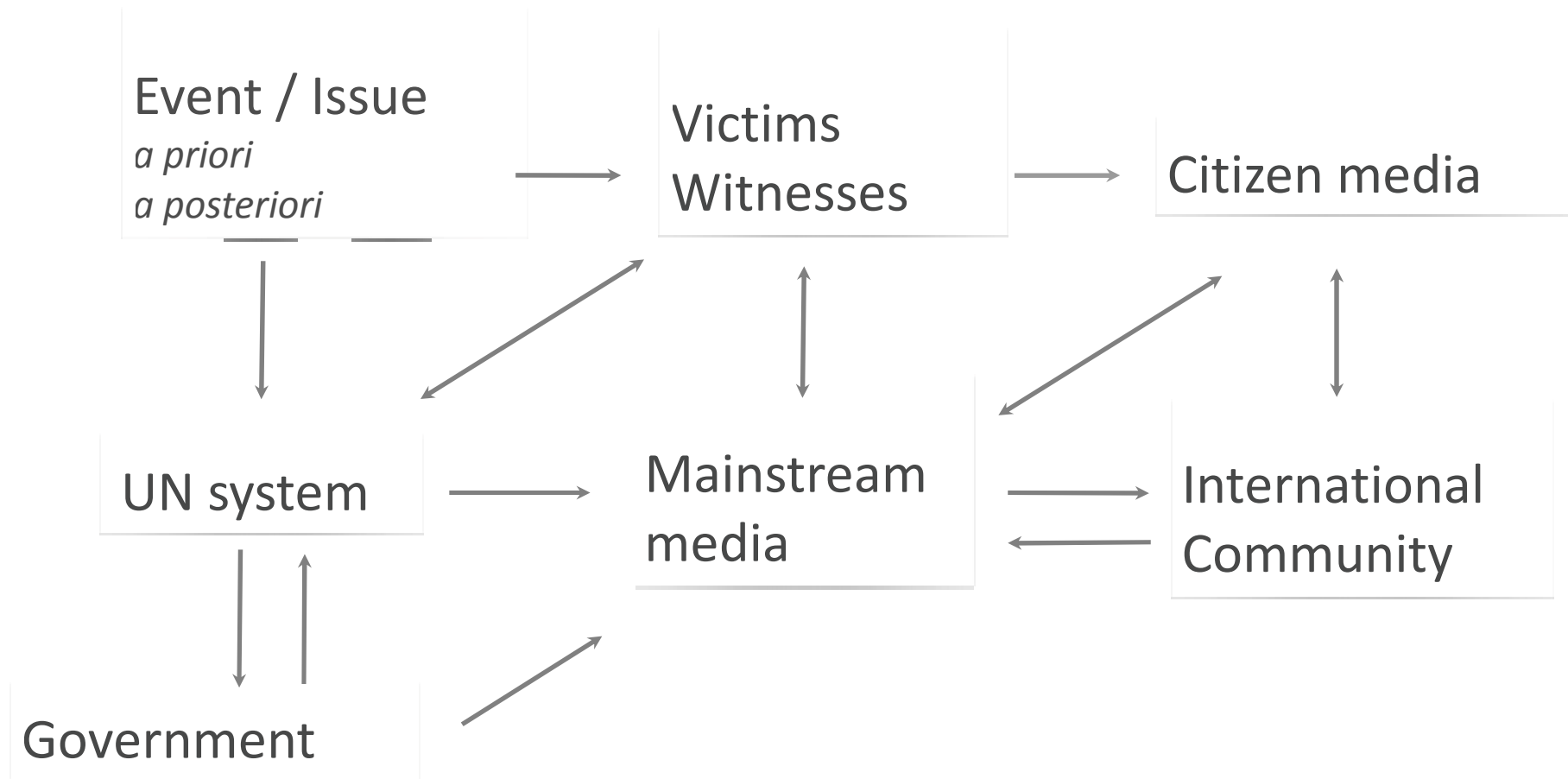
- The ICT4Peace Foundation aims to enhance the performance of the International community in crisis management through the use of ICTs that facilitates improved, effective and sustained communication between peoples, communities and stakeholders involved in conflict prevention, mediation and peace building through better understanding of and enhanced application of Information Communications Technology (ICT) including Media and Social Media.
- ICT4Peace aims to facilitate a holistic, cohesive and collaborative mechanisms directly in line with Paragraph 36 of the World Summit on the Information Society (WSIS) Tunis Declaration (2005):
- *“36. We value the potential of ICTs to promote peace and to prevent conflict which, inter alia, negatively affects achieving development goals. ICTs can be used for identifying conflict situations through early-warning systems preventing conflicts, promoting their peaceful resolution, supporting humanitarian action, including protection of civilians in armed conflicts, facilitating peacekeeping missions, and assisting post conflict peace-building and reconstruction.”*between peoples, communities and stakeholders involved in crisis management, humanitarian aid and peacebuilding.

**Report of the UN Secretary-General A/65/491)**  
**Status of implementation of the information and communications  
technology strategy for the United Nations Secretariat.**

- **Crisis information management strategy.** *The Crisis Information Management Strategy is based on the recognition that the United Nations, its Member States, constituent agencies and non-governmental organizations need to improve such information management capacity in the identification, prevention, mitigation, response and recovery of all types of crises, natural as well as man-made. The strategy will leverage and enhance this capacity and provide mechanisms to integrate and share information across the United Nations system.*
- *The Office of Information and Communications Technology (CITO), together with the Office for the Coordination of Humanitarian Affairs (OCHA), the Department of Peacekeeping Operations and the Department of Field Support (DPKO and DFS), has worked closely with United Nations organizations such as the Office of the United Nations High Commissioner for Refugees (UNHCR), the United Nations Children's Fund (UNICEF), the United Nations Development Programme (UNDP) and WFP and other entities such as the ICT for Peace Foundation in developing and implementing this strategy. It is envisaged that membership will be expanded to include other United Nations organizations in the near future.*

# bearing witness and communicating

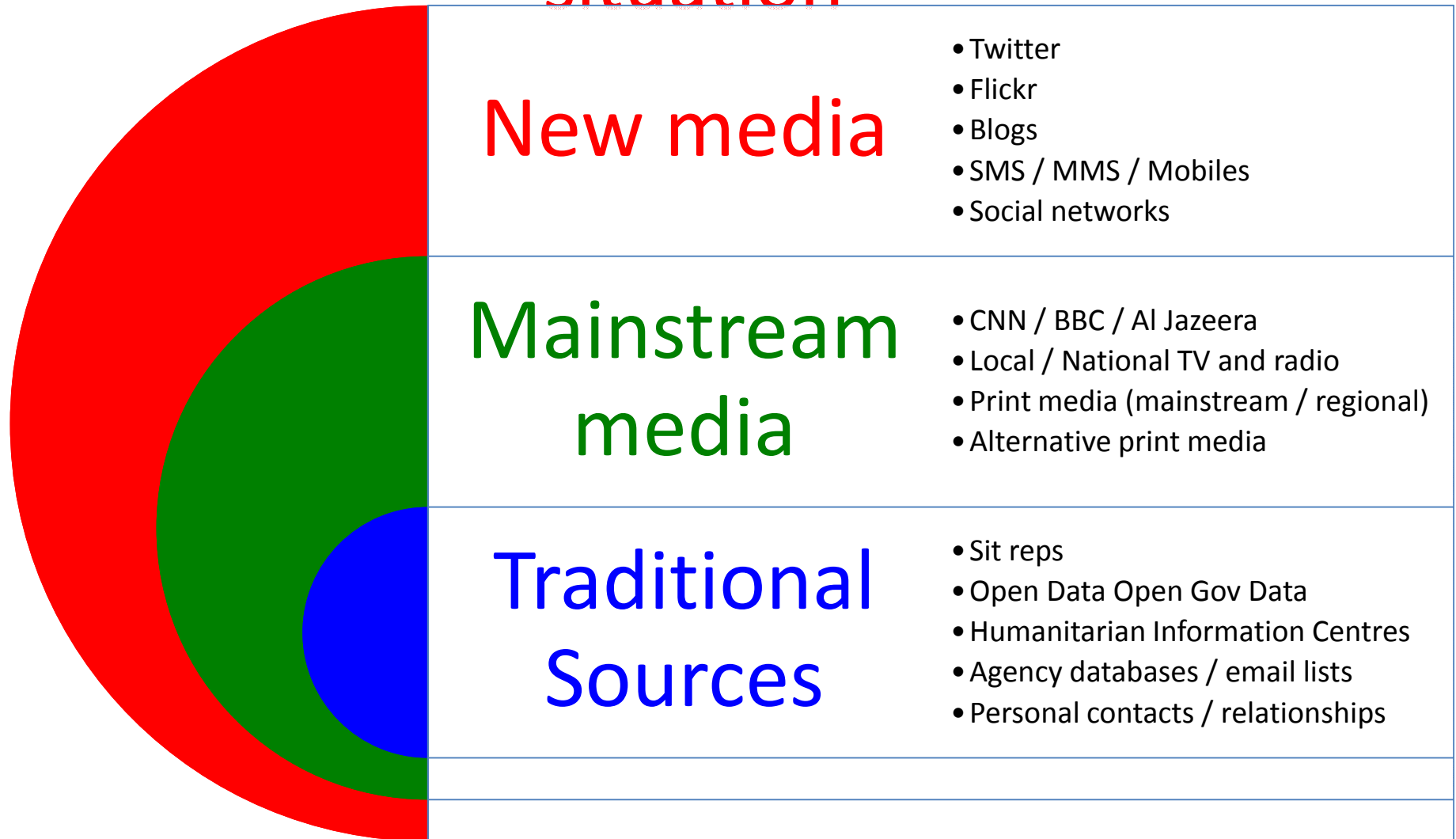
Barriers to and financial costs have fallen drastically



# New ICTs for shared situational awareness

1. Twitter (micro-blogging)
2. RSS (e.g. Google News Reader)
3. Mobiles (SMS)
4. GPS (real time location data)
5. Crowdsourcing (Ushahidi)
6. Crisis Mapping (GIS – Google Maps / Google Earth, Crisis Mappers)
7. VoIP (e.g. Skype)
8. Social networking (e.g. Facebook)

# Information breakdown in crisis situation



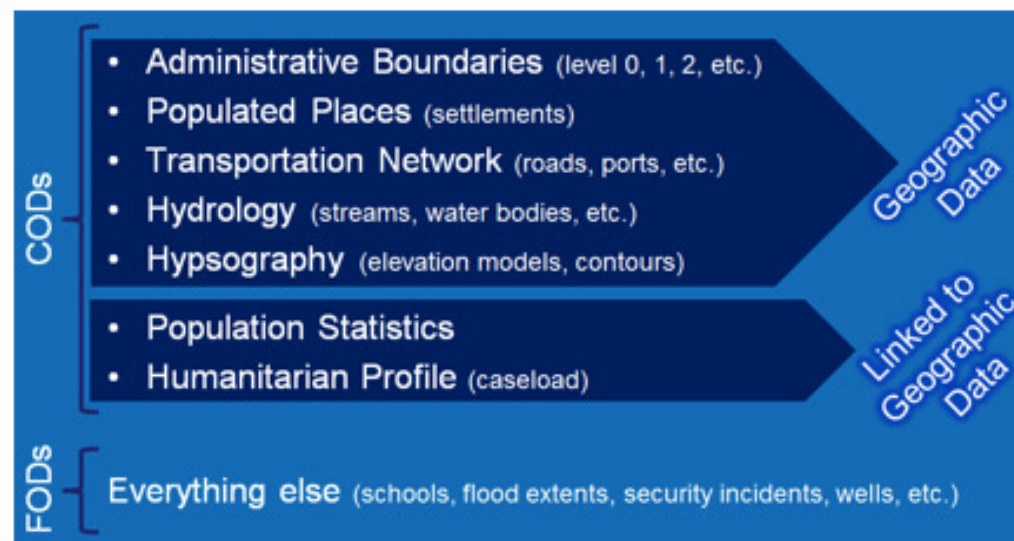
## About the Common and Fundamental Operational Datasets

[View the tutorial videos](#) for COD/FOD contributors.

### What's a C.O.D.? What's an F.O.D.?

The Common Operational Datasets (CODs) are critical datasets that are used to support the work of humanitarian actors across multiple sectors. They are considered a *de facto* standard for the humanitarian community and should represent the best-availble datasets for each theme.

The Fundamental Operational Datasets (FODs) are datasets that are relevent to a humanitarian operation, but are more specific to a particular sector or otherwise do not fit into one of the seven COD themes.



### Background on the CODs/FODs

The [IASC Guidelines on Common Operational Datasets in Disaster Preparedness and Response](#) were developed to help national authorities and humanitarian organizations exchange data thereby improving the effectiveness of humanitarian response. These guidelines outline the common





ABOUT



COUNTRY COMMITMENTS



NETWORK



PROJECTS  
& CASE STUDIES

## ABOUT

The Open Government Partnership is a global effort to make governments better. We all want more transparent, effective and accountable governments – with institutions that empower citizens and are responsive to their aspirations. But this work is never easy.

It takes political leadership. It takes technical knowledge. It takes sustained effort and investment. It takes collaboration between governments and civil society.

The Open Government Partnership is a new multilateral initiative that aims to secure concrete commitments from governments to promote transparency, empower citizens, fight corruption, and harness new technologies to strengthen governance. In the spirit of multi-stakeholder collaboration, OGP is overseen by a steering committee of governments and civil society organizations.

To become a member of OGP, participating countries must embrace a high-level Open Government Declaration; deliver a country action plan developed with public consultation; and commit to independent reporting on their progress going forward.

The Open Government Partnership formally launched on September 20, 2011, when the 8 founding governments (Brazil, Indonesia, Mexico, Norway, Philippines, South Africa, United Kingdom, United States) endorsed an Open Government Declaration, and announced their country action plans, and welcomed the commitment of 38 governments to join the Partnership.

We invite you to stand with us, commit to the principles of open government, and deliver your action plans in Brazil in March 2012.

View the OGP Brochure below.

[OGP\\_brochure.pdf](#)

## ABOUT

[DECLARATION](#)

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### FAMINE EARLY WARNING SYSTEM NETWORK

The U.S. Government funded Famine Early Warning System Network (FEWS NET) monitors and analyzes food, climate and crop data for over 30 of the most food insecure countries in the world, working to predict when and where famine might occur.

< || >

### Latest Datasets

- Hydropower Potential in the Western U.S.
- Defense Office of Hearings & Appeals...
- Defense Office of Hearings & Appeals...
- Medicare Appeals Council Decisions
- Civil Remedies Division Administrative Law...
- Departmental Appeals Board Decisions
- Aid to Families with Dependent Children...
- Hospital Medicare Cost Report Data - FY2010
- Softwood Lumber Subsidies Report
- Nonimmigrant Admissions (I-94 Only) by...

### DATA AND APPS



- 390,150 [raw](#) and [geospatial](#) datasets
- 1,140 government [apps](#)

### COMMUNITIES



Come explore, discuss, meet others in the same field, and develop the data and apps in the community that you care about. Join in the

### OPEN GOVERNMENT



First open source code released for the Open Government Platform delivered by the governments of India and the U.S. [Find out](#)

data.gov.uk<sup>BETA</sup>

Opening up government

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Enter your postcode to find tools and information about your local area using government data

## Who does what in Whitehall?



## How your money is spent



## Government contracts in full



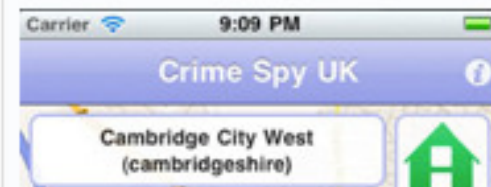
## Who ministers are meeting



## Business plans



## Applications





## Open Government Partnership

Kenya has stated its intention to participate in the global Open Government Partnership, a global movement of Countries that seek to empower their citizens to be involved in active governance, engaging Kenyans in the development of their Communities.

# Open Government Partnership

### Latest Datasets and Views

Poverty Rate, by District 

County Expenditures by Administration 2002-3 to 2008-9 

Kenya Primary Schools, 2007 

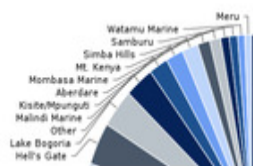
Health Facilities 

Public Expenditures by MTEF Sector, 2008/2009 



### Budget 2010 to 2011 recurrent plus development

Chart shows total expenditure by administrative vote. Size of box shows how



### Game Parks Visited in 2009

Kenya National Bureau of Statistics, Statistical Abstract 1996 - 2009 Visitors to Parks and Game Reserves By Park



### Quarterly GDP 2000 - 2011 Chart

KNBS: Quarterly Gross Domestic Product by Economic Sector, 2000 - 2011, KSh Million at Constant 2001 prices



### Counties

Information on the 47 Counties can be found here. Easily find data sets relating to a specific County.



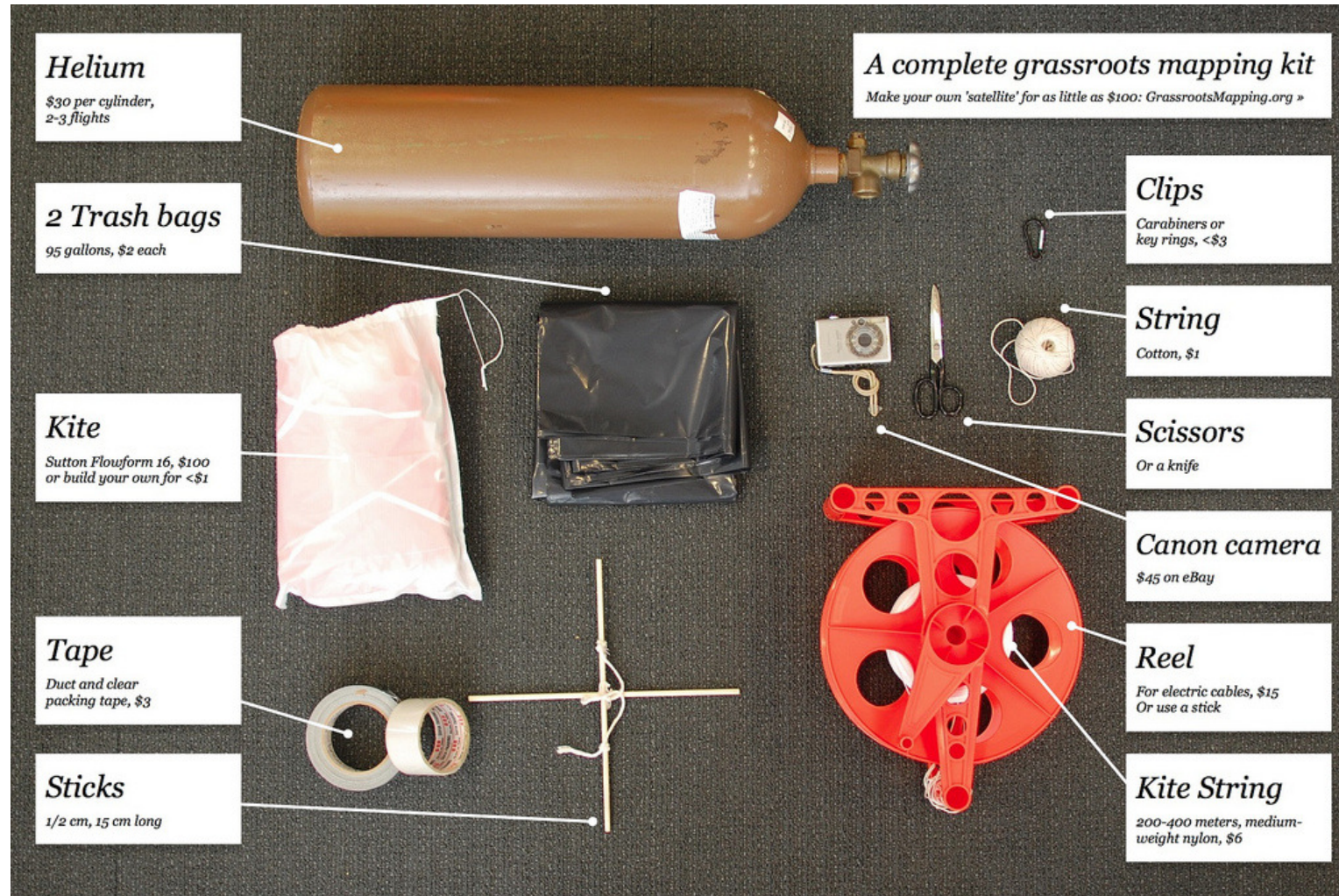
### Developer? Click here!

Find out about our powerful developer APIs and tools.



# crowd sourcing mapping | new maps

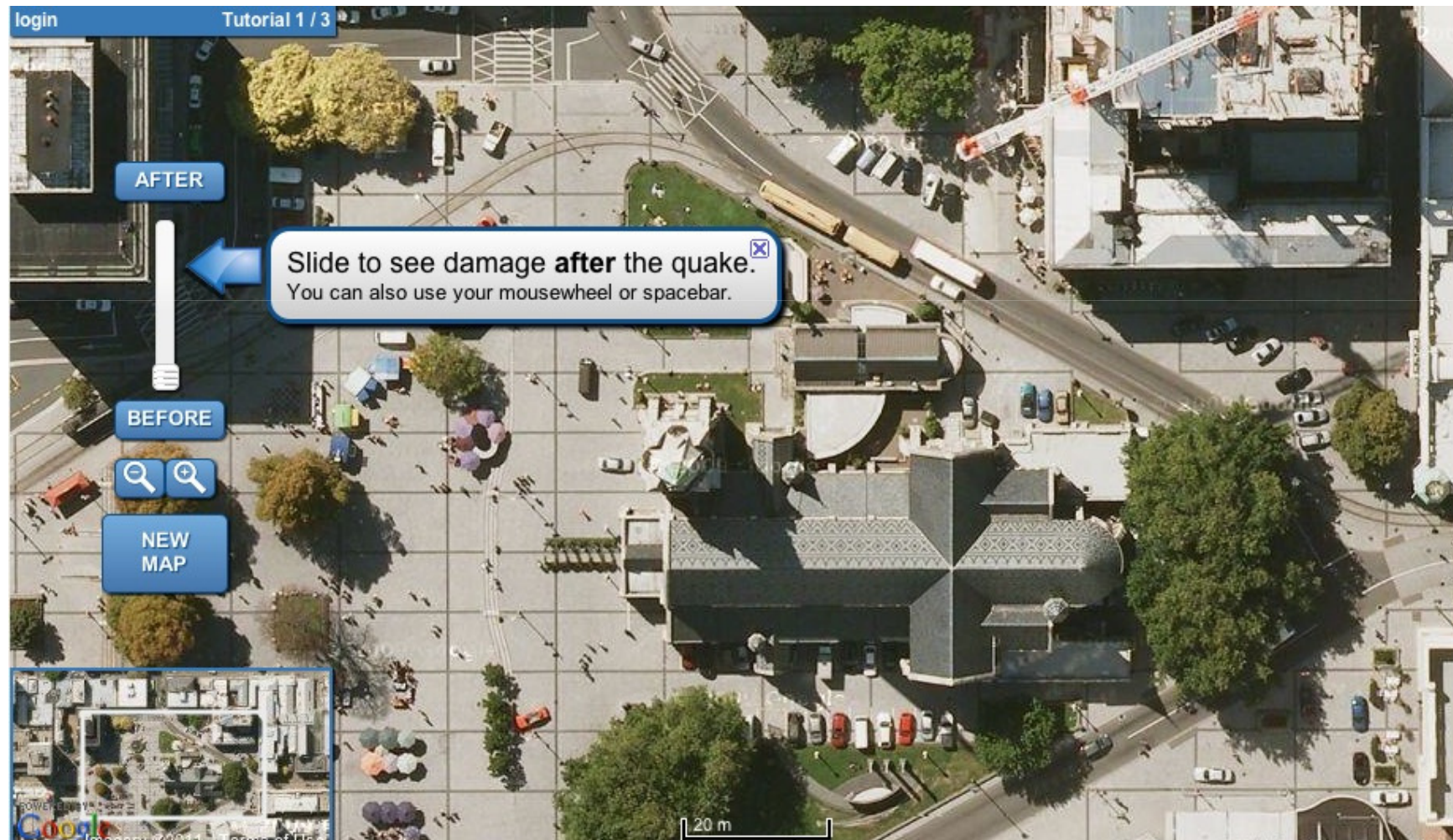
[http://publiclaboratory.org/sites/default/files/4445981062\\_73945db207\\_b\\_2.jpg](http://publiclaboratory.org/sites/default/files/4445981062_73945db207_b_2.jpg)

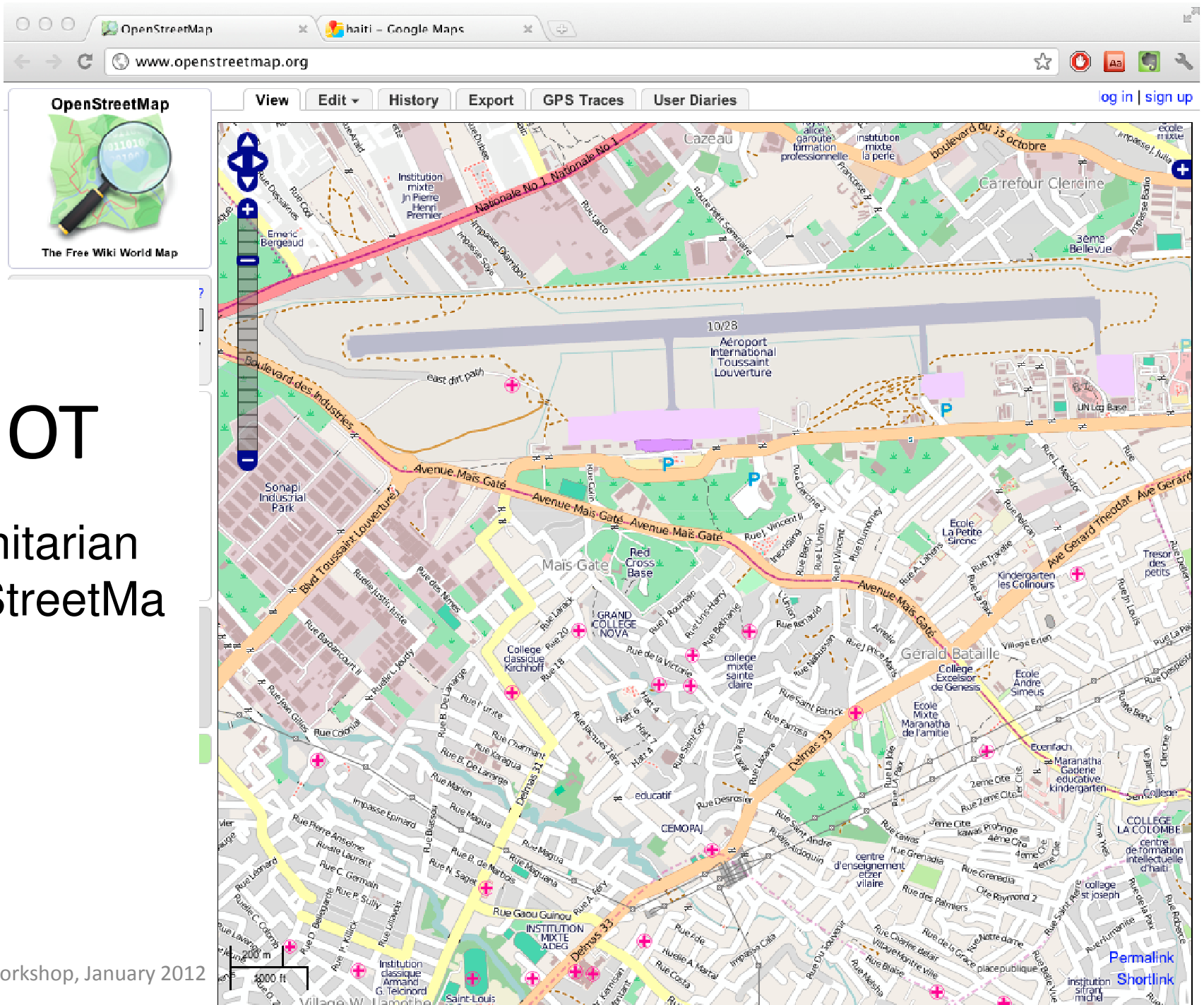




# Christchurch: damage assessment

<http://tomnod.com/geocan/>





# HOT

Humanitarian  
OpenStreetMap  
Team

HART Workshop, January 2012

[Permalink](#)  
[Shortlink](#)



# Massive data analytics

<http://tomnod.com>



**tomnod** Crowdfund The World

HOME PROJECTS ABOUT TECHNOLOGY NEWS CONTACT BLOG JOBS

OVER 1.18 MILLION COLLECTED IN 2 MONTHS

**TEDx** Mid-Atlantic

*A Leading Innovator and Provider of Machine Learning and Crowdsourcing Technology*

**What is Crowdsourcing?**

The aggregation of large numbers of incremental contributions from a crowd to achieve a greater goal.

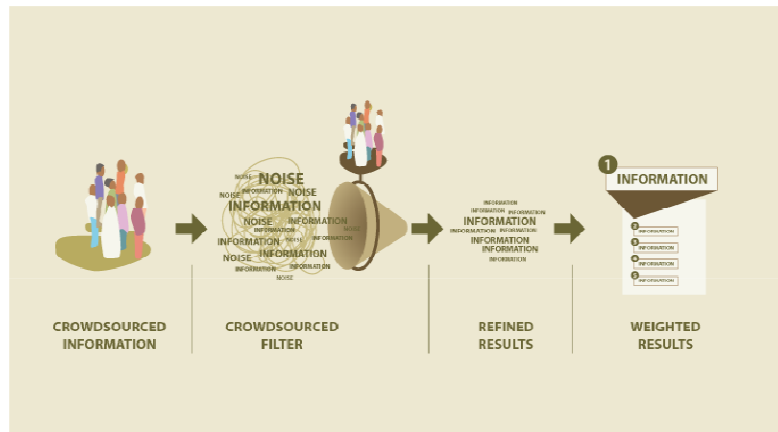
**Combining Human and Machine Intelligence for Massive Data Analytics**

With the internet revolution human leisure and labor time has largely migrated to the online "virtual" world. At the same time, the world's digital information has exploded in size and complexity, far outstripping the pace of our



# Ushahidi SwiftRiver

- Ushahidi **SwiftRiver** |



**SWEEPER**  
Sweeper is a free and open-source multimedia curation platform. It offers a quick and easy way to create a social media monitoring dashboard, mashing-up data collected from Twitter, RSS, Email, Mobile and Search.  
As a research tool Sweeper is a great way to manage and structure data collected from around the web.

**SWIFTMEME**  
SwiftMeme is a meme-tracker and keyword monitoring tool that helps users discover trends in conversations online. It helps to surface content while offering evaluation metrics.  
SwiftMeme is available as hosted web service and as an open-source application.

**QUIVER**  
Quiver is a bookmarklet that allows users to gather and store content from around the web with the click of a button!  
This add-on for Sweeper turns it into a powerful application for creating a personalized archive of content and sources.



SwiftRiver is a platform that helps people make sense of a lot of information in a short amount of time.

In practice, SwiftRiver enables the filtering and verification of real-time data from channels like Twitter, SMS, Email and RSS feeds.

<http://www.youtube.com/watch?v=Tb0Gs7vtrgk>

SMS: 017 2222 452 Email: email@u-shahid.org Twitter: #USHAHID

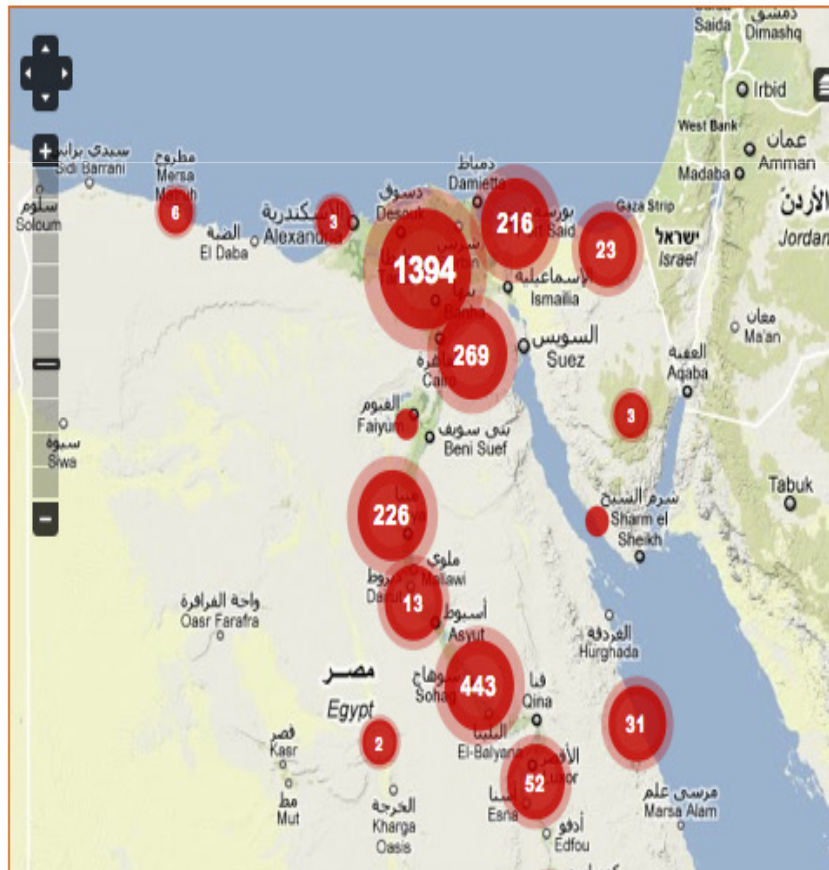
الرئيسية التقارير ارسل تقرير الان احصل على الاخبار مباشرة اتصل بنا اخبار الانتخابات من نحن

موقع يوشاهد لايتحمل اى مسئولية بخصوص صحة التقارير المرفوعة على الموقع، هذه التقارير المرفوعة تمثل جزء فرعى يعبر عن تجارب المواطنين والتي يتم اصدار تقارير بشأنها بواسطة افراد مستقلين ولا تغطي هذه التقارير صورة كاملة عن الاحداث فى مصر

الكلمة فيديو صور أخبار التقارير تصفحات

تصفية الفئات [HIDE]

عرض الخريطة الكاملة



- كل الفئات
- 1. حملات
- 2. بخصوص التصويت
- 3. مركز الاقتراع
- 4. العنف
- 5. الامور تسيير على ما يرام

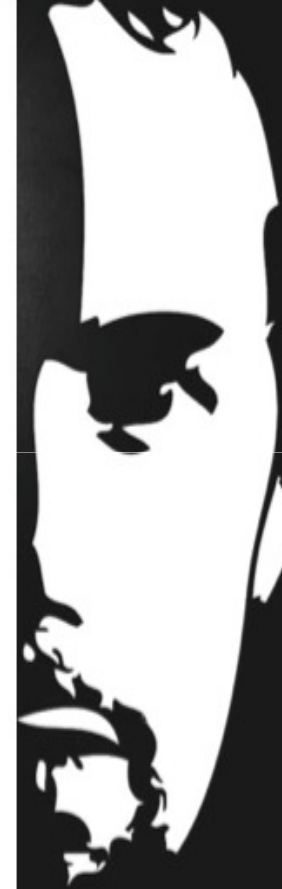


U Shahid انت شاهد on Facebook

Like You like this.



انت شاهد



انت شاهد

# Submitting a report with ICT4Peace Matrix: Information Reliability

**Optional Information**

**First Name**

**Last Name**

**Email**

**Source Reliability**

- ✓ --- Select One ---
- Yes, the source has direct access to information (witness or actor)
- Yes, the source has access to information, but can be wrong
- Yes, the source has no direct access to information, but is often right
- Not always, but is often right
- No, the source has (had) no access to information
- I do not know

**News source link**

**Video link**

**Upload Photos**

no file selected

**Submit**

## Submitting a report with Matrix: Information Probability

**First Name**

**Last Name**

**Email**

**Source Reliability**  
--- Select One ---

**Information Probability**

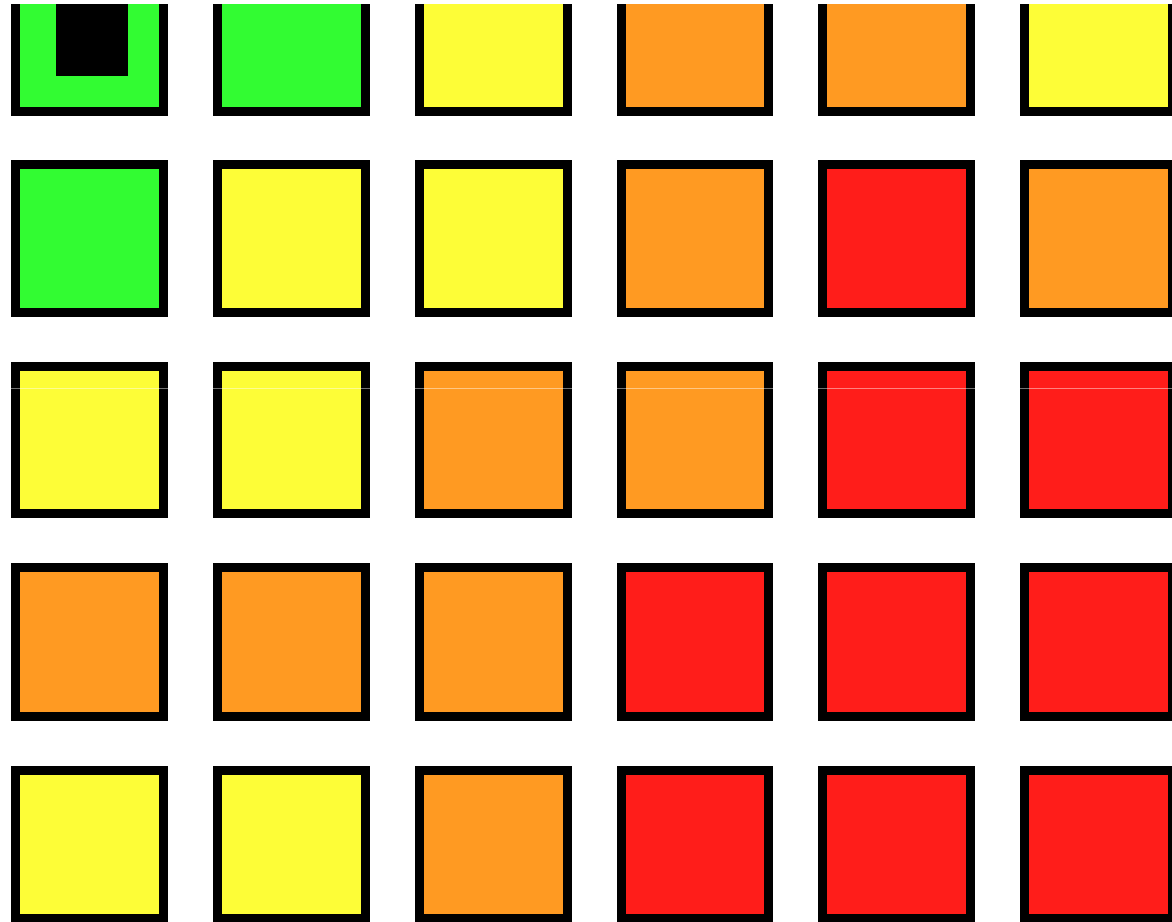
- ✓ --- Select One ---
- Yes, the information is confirmed by several independent sources
- Yes, the information is not confirmed (yet), but is likely
- Yes, the information makes sense
- No, the information is surprising
- No, the information is unlikely and may be disinformation
- I do not know

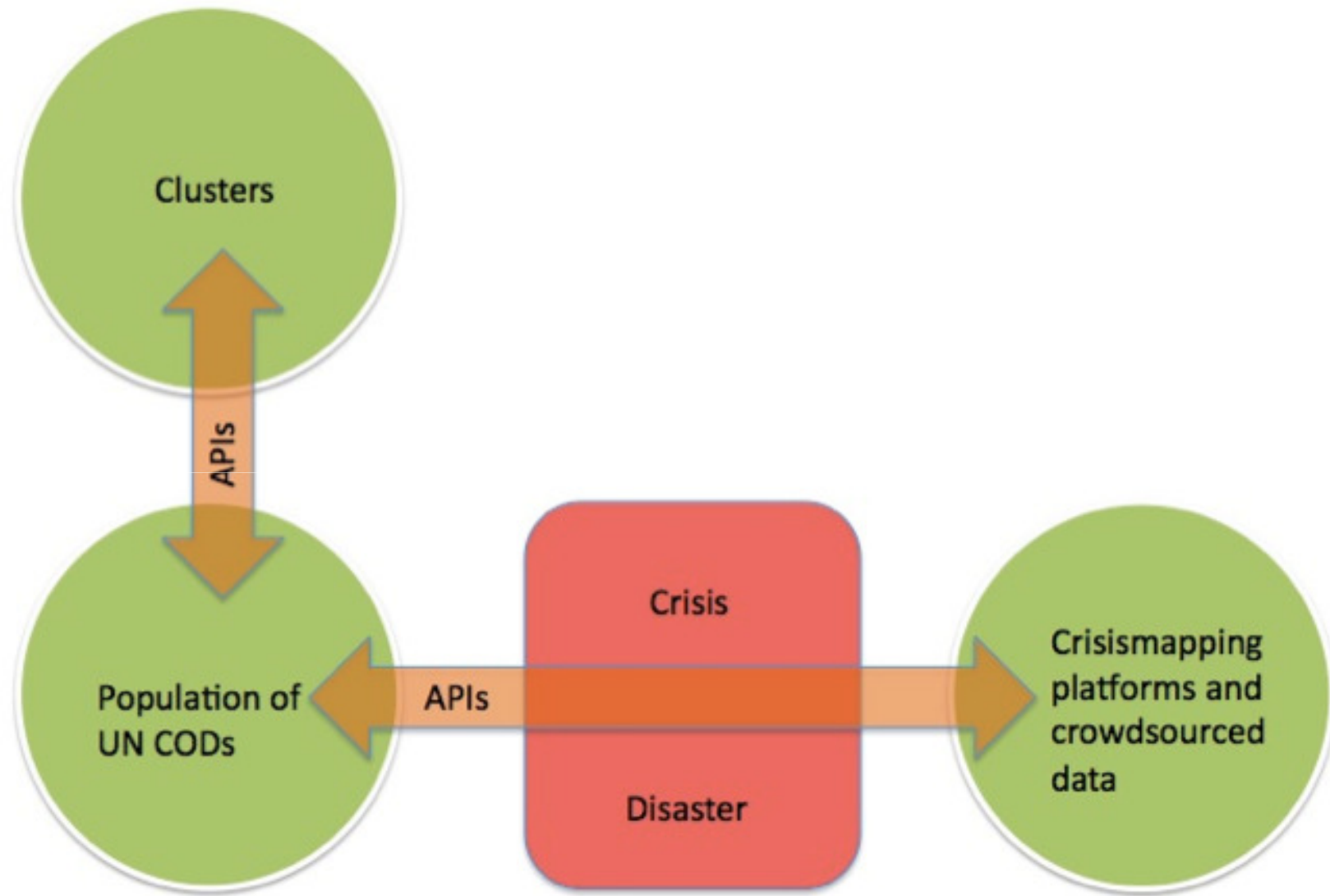
**Video link**

**Upload Photos**  
 no file selected

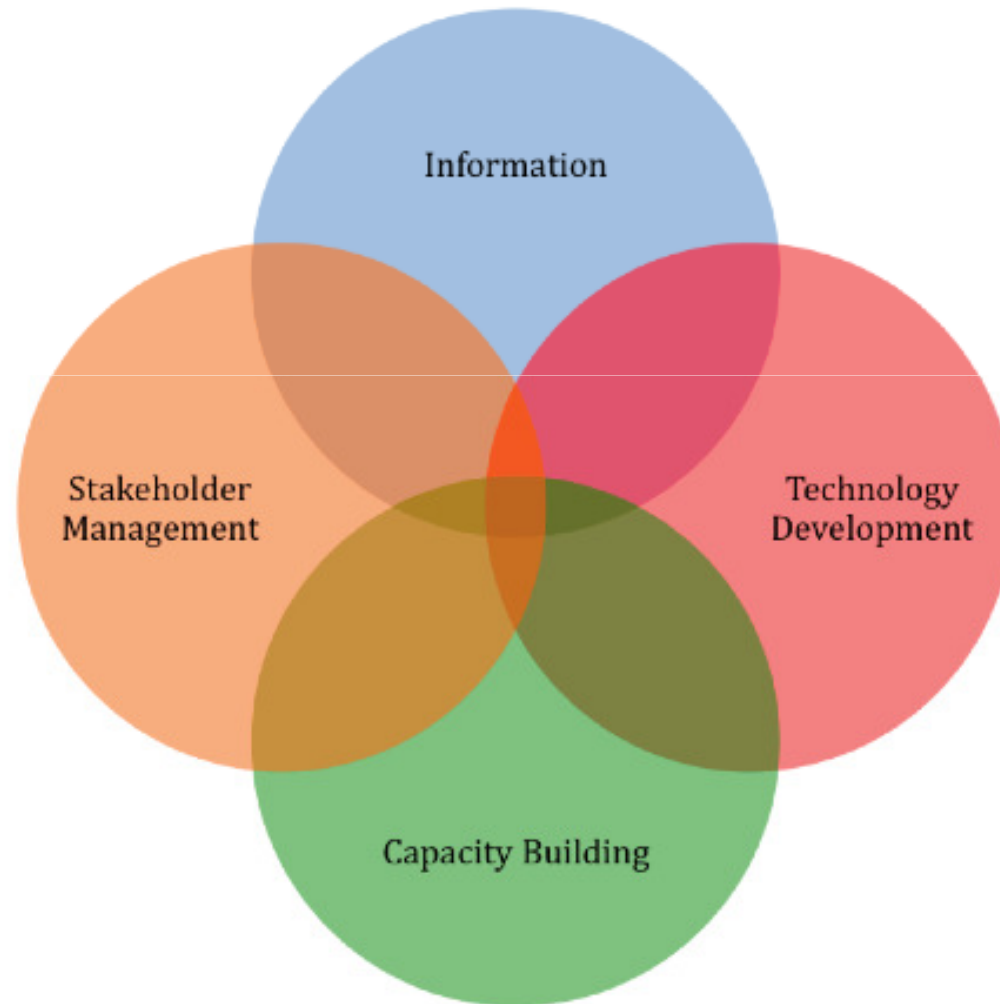
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## Submitting a report with the Matrix: How the analyst can prioritize reports





# From Stock-Taking to CiMAG - UN Crisis Information Management Strategy (CiMS)



thank you  
[www.ict4peace.org](http://www.ict4peace.org)  
[danielstauffacher@ict4peace.org](mailto:danielstauffacher@ict4peace.org)