

# APPENDIX: TOOL FUNCTIONALITY

In addition to our insights on tool usage and adoption, we learned a lot about tool functionalities. We wanted to summarize and share some of that information here, in the following categories:

- Data Collection
- Data Verification
- Data Storage
- Databases (for existing content)

## OpenEvsys

<http://openevsys.wpengine.com/>

OpenEvsys is a database tool, created in 2009, primarily used for recording information, browsing, retrieving data points, and analyzing data.

### Functionality:

- Can filter data views, has a charts and map function that can be used with filters
- Can be used offline if you host on a standalone computer
- Users can run their own instances
- Open source
- Offered in Arabic, Bahasa Indonesia, English, Khmer, Spanish, and Turkish
- Huridocs will host the data for NGOs that don't have the technical capability for \$500 USD per year and include default SSL encryption of communications, installation of patches and bug fixes, and daily offline backups of the database.

## RightsCase

<https://equalit.ie/portfolio/rightscase/>

RightsCase, created in 2009, is used for recording, collating, and analyzing information.

### Functionality:

- Extensive statistics and analytical tools including tab reporting, mapping, managerial overview, and data viz
- Can be used offline if downloaded
- Users can run their own instances
- Open source
- Data gathered on platform is stored on equalit.ie's server or locally on a user's computer.

## Martus

<https://www.martus.org/>

Martus, created in 2003, is used for information management.

### Functionality:

- Data can be collected on the mobile phone and then uploaded to the server to store and analyzed by another another use on their desktop
- Can be used offline, but information cannot be sent to server until you have internet
- Users can run their own instances
- Open source
- Offered in Arabic, English, Chinese, French, Khmer, Burmese, Farsi, Russian, Spanish, Thai, Vietnamese, Nepali, Armenian
- Data gathered on platform is stored on Martus' server

## SecureApp

<https://sag.benetech.org/>

**SecureApp is a data collection tool that was released in 2016 and is currently in beta.**

### **Functionality:**

- Provides public system for the creation of secure, multilingual, and open source data collection apps that will improve information management and reduce the risk of exposure for people in the field. Can be used offline, but information cannot be sent to server until you have an internet connection.
- Users can run their own instances
- Open source
- Data gathered using the tool is stored on a server of users choosing

## Atlasti

<http://atlasti.com/>

**Atlasti, was released in 1993, is used for qualitative data analysis.**

### **Functionality:**

- Code/mark data sources and assign them to specific categories to be able to analyze how/when/how many times a topic is mentioned,
- Can be used offline
- Users can run their own instances
- Open source
- Offered in Spanish, English, German
- Data is uploaded into the software so it is stored wherever you chose to store it.

## People's Intelligence

<http://peoples-intelligence.org/>

**People's Intelligence, released as a demo in 2015, is a crowdsourced data collection and verification tool.**

### **Functionality:**

- Automates the collection of relevant humanitarian and human rights information from hard to access areas and verify it using crowd-sourcing and "dumb" mobile phones.
- Can be used offline via mobile phone
- Users can run their own instances
- Data gathered on platform is stored with People's Intelligence

## Palantir Gotham & Metropolis

<https://www.palantir.com/>

Palantir's tools are used for information management and statistical analysis.

### Functionality:

- **Commercial tools - Palantir has received major funding from the CIA**
- Data can be mapped into a single, coherent model. Once that is set up data flows continuously from their sources into Palantir and is then more easily analyzed and reviewed
- Needs to use cloud technology
- Some functionality available offline, but need to have internet connection for full usage
- Available in "All languages, including Elvish"
- Data gathered using the tool is stored in cloud storage

## CDS/ISIS

[http://portal.unesco.org/ci/en/ev.php-URL\\_ID=2071&URL\\_DO=DO\\_TOPIC&URL\\_SECTION=201.html](http://portal.unesco.org/ci/en/ev.php-URL_ID=2071&URL_DO=DO_TOPIC&URL_SECTION=201.html)

CDS/ISIS is information storage and retrieval software, developed in 1985.

### Functionality:

- Allows for building of non-numerical databases (text). Able to produce HTML web forms for database searching. Has API for developing web based application.
- Can be used offline
- Users can run their own instances
- Open source
- Offered in Arabic, Chinese, English, French, German, Portuguese, Russian, Spanish
- Data is stored locally on your computer

## MediCapt

<http://physiciansforhumanrights.org/medicapt/>

MediCapt is used to collect photographic evidence to preserve forensic medical evidence of sexual violence, currently under development.

### Functionality:

- MediCapt replaces paper documents and will be designed with prompts that help doctors avoid common mistakes, remind them of the necessary information needed for a forensic medical examination, and catch inconsistencies before the form is completed. Can be used offline but needs internet to submit
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## eyeWitness to Atrocities

<http://www.eyewitnessproject.org/>

eyeWitness was created in 2014 and is used for verification and metadata collection.

### Functionality:

- Uploads raw footage of events through the app with crucial metadata. If footage is gathered through the app, it will be known as a verified file.
- Can be used offline, but needs internet to submit
- Available in English, Spanish, French, Arabic, Russian, and Portuguese (Brazilian)
- Data gathered using the tool is stored on the photo within the app. You can then transit the image through the internet or save to an sd card and then transfer the image.

## InVid

<http://www.invid-project.eu/description/>

InVid is a tool that is used for video verification and permission, currently being developed.

### Functionality:

- Ensures video is verified and rights-cleared and that it is readily available for integration into breaking news and development stories. Exact functions are not yet defined as the tool is under development.

## The Whistle

<http://thewhistle.org/>

The Whistle is a verification tool that is currently being developed.

### Functionality:

- Web and mobile app that allows end-users who have witnessed human rights violations to report the issue and send their information to the appropriate NGOs, who track and verify such reports
- reporting platform will have a lot of resources and explanations for civilian witnesses

## CameraV

<https://guardianproject.info/apps/camerav/>

CameraV is a tool for capturing and sharing verifiable photos and video proof on a smart-phone or tablet, all the while keeping it entirely secure and private

### Functionality:

- Embeds android device's images and videos with geotemporal and other metadata, signs with digital signature unique to device's camera sensor, encrypts
- Can be used offline, but needs internet to submit
- Available in English, Spanish, Portuguese (Brazilian), French, Arabic, Norwegian, Swedish, Portuguese (Portugal), Sinhala, Turkish
- Open source
- Information is meant to be processed on the mobile device and then is sent to another individual who maintains it on their secure server

## Verified Pixel

<http://www.verified-pixel.com/>

Verified Pixel, currently in beta, is used for automating image verification.

### Functionality:

- When an image is added to their database it checks Google Images and TinEye to see if the image has appeared online before, scans image for EXIF data, and run it through the image forensics tool Izitru to see if the image has been altered. The image is then displayed where the user can review the checks.
- Open source

## Video Vault

<https://www.bravenewtech.org/>

Video Vault, currently in beta, is a verification tool.

### Functionality:

- Allows user to upload video from other online platforms where they can then download it to other platforms, zoom in and slow down certain sections, authenticate it with a time-stamp and cryptographic hash, view a 'fast frame'
- Data gathered using the tool is stored on the server for the site

## CaseBox

<https://www.casebox.org/>

CaseBox, released in 2011, is a tool for data management and organization.

### Functionality:

- Stores your contacts and files in a more organized fashion than on your desktop. Allows for more details to be stored on each file making them more easy to search for.
- Can be used offline
- Users can run their own instances
- Available in English, French, Russian, and others can be uploaded
- Open source
- Data gathered using this tool is stored in the cloud.
- Source code is audited regularly for security considerations

## Corroborator

<https://equalit.ie/portfolio/corroborator/>

Corroborator, created in 2014, is designed to process massive amounts of metadata related to particular events and people.

### Functionality:

- Stored data can be viewed and annotated by researchers and analyst. Users are able to narrow down their search criteria within large scale amounts of data. From this they can build atomic entities into complex incidents which represent a chronology of events and a compilation of media information.
- Open source
- Available in Russian, Arabic, English

## Ushahidi

<https://www.ushahidi.com/>

Ushahidi, created in 2008, is used for data mapping from multiple sources that can be managed with filters and exported.

### Functionality:

- Data is collated from a variety of sources and is sorted and mapped. Multiple maps and charts are available, analytics are coming soon.
- Open source
- Provides guide to installing languages
- Data gathered on this platform is stored with the Ushahidi website

## Arcade

<https://rudiment.info/project/arcade/>

Arcade, currently in prototype stage, is used for analysis of satellite images.

### Functionality:

- MATLAB application that applies computer vision techniques to images drawn from Google Maps. The software will detect artillery craters, annotate images, segment image, extract features, plot trajectory, and output cater image with trajectory and write centroid to file.
- Open source
- Data is stored on user's computer

## SJAC Database

[syriaaccountability.org/database/](http://syriaaccountability.org/database/)

The Syria Justice and Accountability Centre's Database is used for storage purposes.

### Functionality:

- Designed to preserve, catalogue, and facilitate the analysis of documentation of human rights, humanitarian, and international criminal violations. It archives videos, pictures, documents, and other files — along with Syria-specific metadata such as the source, location, time, types and methods of violations, and the actors involved.
- Open source
- Available in Arabic, English

## YouTube Blur

<http://youtubecreator.blogspot.com/2016/02/blur-moving-objects-in-your-video-with.html>

YouTube Blur is a tool for video editing and increased anonymity.

### Functionality:

- Simple tool that allows you to draw a box over what you want to be blurred in your video, lock on the item, and have it blurred through the duration of the video.
- Same languages available as YouTube



## Caselaw Analyser

<https://www.huridocs.org/caselaw/>

Caselaw Analyser, created in 2014, is used as a source for legal research specifically pertaining to human rights litigation

### **Functionality:**

- A web-based system for human rights litigators to research case law in order to prepare for their cases. The tool allows you to add keywords and comment on relevant paragraphs within given cases and you can then browse your own bookmarks and annotations.

## UwaziDocs

[uwazi.zedafrika.com](http://uwazi.zedafrika.com)

UwaziDocs, currently in development, is a web based solution for building and sharing document collections

### **Functionality:**

- Ability to publish, index, cross-reference and recommend documents. Can set up with custom elements that are important to your work, i.e. themes, institutions, judges, authors etc. Has search, find, and bookmark abilities from computer and mobile device.
- Open source

## AeroCMS

<https://www.huridocs.org/aerocms/>

AeroCMS is a content management platform for HR organizations that have a very large quantity of data that needs to be properly presented on their website

### **Functionality:**

- The interface can be translated into multiple languages and can have several version of the same document easily added. It is tightly integrated with the Solr search engine which combines powerful full-text search with faceted results. Searching through the database is fast and can handle multiple concurrent users.

## HuriSearch

<https://www.huridocs.org/hurisearch/>

HuriSearch is a human rights search engine.

### **Functionality:**

- HuriSearch indexes only human rights websites and thus retrieves only results that are relevant to human rights. Search items are ranked by relevance, not popularity making smaller, lesser known country-specific or theme-specific organizations information more readily available
- Website is available in English, French, Spanish, German, Russian, Arabic, and Chinese. Can be searched in 77 languages