



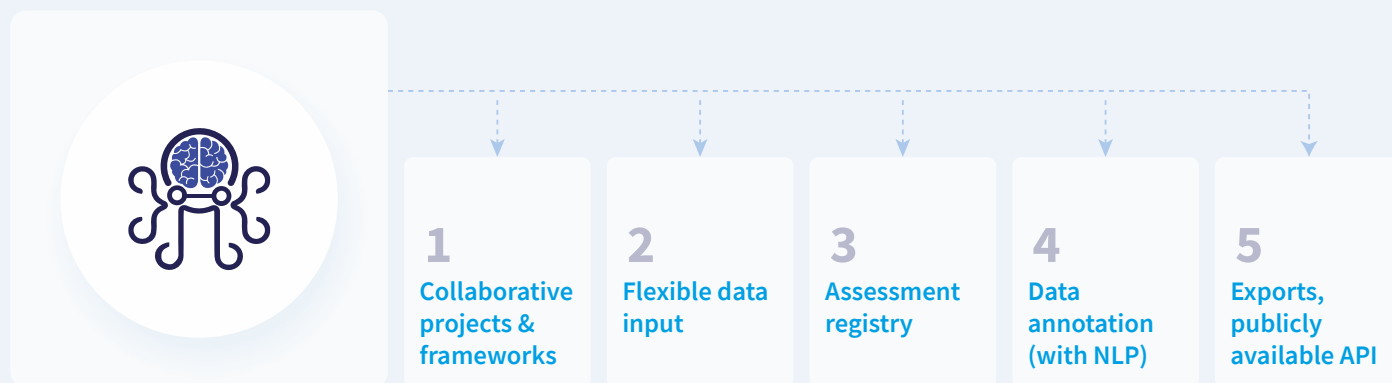
# DEEP



*A collaborative analysis platform  
for effective aid response*

## About DEEP

DEEP, the Data Entry and Exploration Platform, is a collaborative platform for humanitarian analysts to generate a rapid actionable data for an effective response. It offers a suite of tools and collaborative workflows for compiling, storing, and structuring qualitative information.



DEEP is developed to benefit the wider humanitarian and development community and is being adopted by an increasing number of organizations seeking to achieve a more robust, collaborative and transparent approach to needs assessments and analysis.



DEEP promotes transparency, information sharing and collaborative workflows. It minimizes fragmentation of initiatives and duplication of efforts. Data sharing is encouraged unless data protection considerations apply.



DEEP is free, open-source, and fully accessible and provides basic support to all users. It ensures that even the smallest local NGOs have access to essential tools and services for secondary data analysis.



DEEP uses data standards and common taxonomies, e.g., CODs, to ensure compatibility with other tools, datasets and processes.

DEEP offers to new and the current 3,000 registered users in more than 60 countries:



An open source collaborative platform for analysis that simplifies the entire analysis workflow of design, data acquisition, analysis, communication and documentation.



Customized use of analytical framework to structure desk review, analysis or monitoring where clients can create or collaborate on a project, design or adapt a framework, import and tag documents and export the result.



**NEW** AI-Powered assisted tagging enables the user to efficiently annotate and categorize content in the documents saving time and resources. An active learning system is training the platform further to achieve higher accuracy.



Specialized modules for exploratory, descriptive and interpretative analysis supporting information experts and analysts engaged in emergency response and dedicated to country monitoring and situational



The ability to conduct joint analysis across an ever-increasing set of crisis data which is curated and made available in a common workspace.

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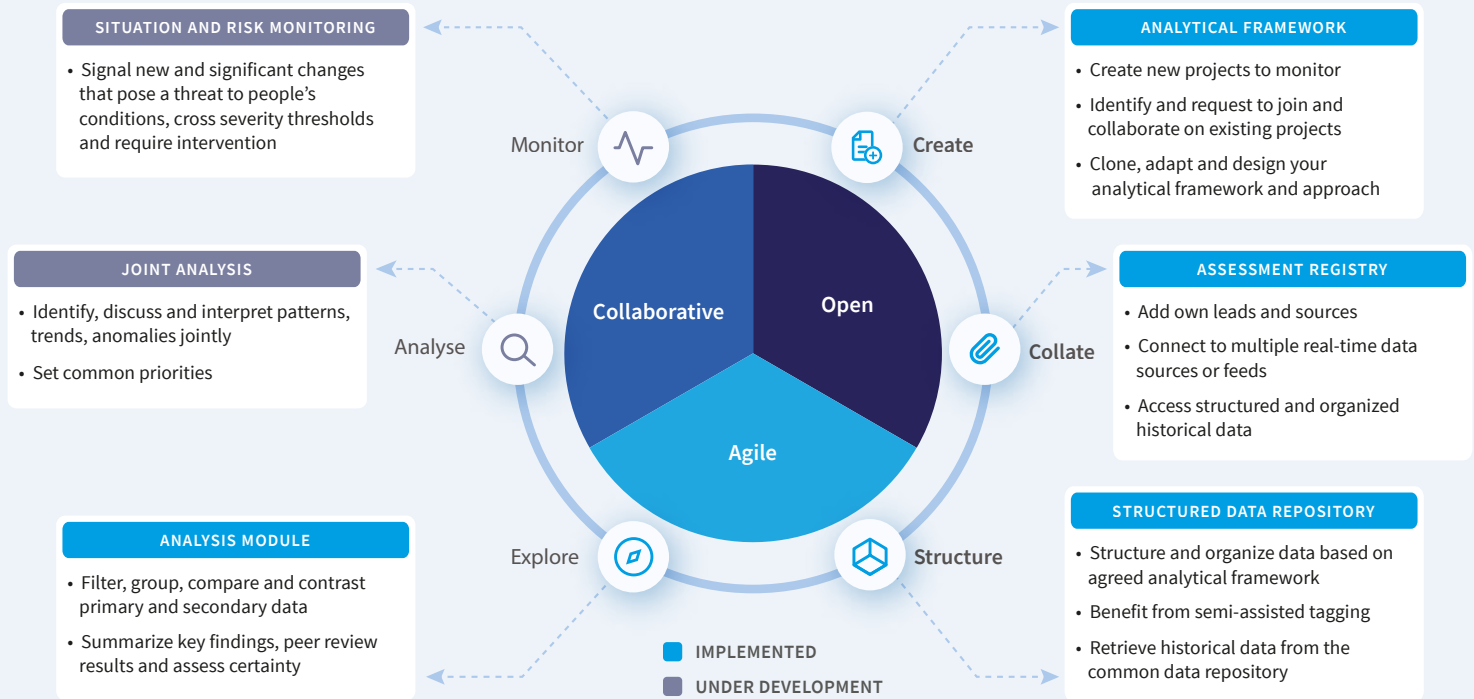
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## DEEP in a nutshell

DEEP is an intelligent web-based platform offering a suite of collaborative tools tailored for qualitative and secondary data review. It includes common analysis workflows and frameworks to structure both quantitative and qualitative data. By using customizable analysis frameworks, users can easily catalog information contained in large amounts of documents, filter according to interest and export it to a variety of formats.



DEEP can support a variety of field or headquarters-based institutional workstreams requiring solutions for managing unstructured data such as:



**Secondary Data Review** for informing specific research, context, needs or situational analysis.



**Assessment Registry** catalogue existing assessments reports for easy retrieval and understanding of where needs related information is available.



**Protection Monitoring** identify violations of rights and protection risks for populations of concern.



**Risk Analysis** use media monitoring and collaborative analysis as a basis for detecting changes, early warning and early action.

Efforts are underway of using text analysis techniques (Natural Language Processing) to streamline information extraction through assisted tagging

To benefit the wider humanitarian and development community, the DEEP is committed to be:

### OPEN

The DEEP platform is open-source and free to use. Data in DEEP is visible to users granted access to a project. To ensure data protection, it is encrypted using modern web technology standards and can be deployed in private server environments.

### AGILE

DEEP accommodates both structured and unstructured data. Using customizable analysis frameworks to guide their data collation and analysis, users can easily tag information contained in large amounts of documents, filter for specific categories of interest and export to a variety of formats.

### COLLABORATIVE

Projects can be shared and set up for collaboration. All users are encouraged to open up their data for sharing, while data protection will be respected where it might apply.

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## Case Studies

DEEP supports a variety of processes requiring solutions for managing unstructured data such as Secondary Data Review, Protection Monitoring and Risk Analysis. DEEP is housing some 300 project in 70 countries in 2021.



### GIMAC: JOINT SITUATION ANALYSIS IN COVID-19 AFFECTED CONTEXTS

The Global Information Management, Assessment and Analysis Cell (GIMAC) is set up to coordinate, manage and analyse COVID-19 related information in support of countries with low analytical capacities and high risk impact.

DEEP provided the platform and resources required to support a structured approach to secondary data review in seven countries. The project was since expanded to directly support to the Humanitarian Needs Overview processes in Afghanistan, Somalia, South Sudan and Sudan.

### IMMAP: COVID-19 SITUATIONAL ANALYSIS

The **COVID-19 Situational Analysis** project provides monthly reports on COVID-19-related information through reviewing and synthesizing existing literature to facilitate decisions.

DEEP is used to identify, store and code information sources for six countries (Bangladesh, Burkina Faso, DRC, Syria, Colombia, Nigeria). The data is then synthesized to generate comprehensive reports, infographics and dashboards that are shared with humanitarian actors to plan projects and deliver life-saving services where they are needed most.

### DCO: SECONDARY REVIEW OF DATA TO INFORM CCA DEVELOPMENT (PILOT PROGRAM)

The Development Coordination office is piloting the use of DEEP to assist UNCTs in the development of their Common Country Analysis (CCA). The pilot is streamlining the secondary data review for UNCTs through a newly designed Analytical Framework for sustainable development, drawing on the new CCA template (June 2021), the UNDP multi-dimensional risk analysis, and the UN Framework for the socio-economic response to COVID-19.

The data is also disaggregated by population groups in need and their demographics, in order to allow filtering and easy access to an array of topics through the DEEP platform. The summarized products from DEEP will inform the CCA exercise in three pilot countries (Central African Republic, Ghana, & Somalia) .

### IFRC: OPERATIONAL LEARNING

Learning from hundreds of operations are collected and annotated in DEEP, helping to bring the National Societies voices and experiences forward and ease the access to them to ensure an evidence and learning based approach to response operations.

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