2023 CartONG service offer

This concise service offer aims at presenting some of the new approaches and tools CartONG has been implementing recently. It does not represent full service offer of CartONG, that you can find on our website.

Please get in touch with your usual focal point at CartONG to discuss about the possibilities of implementing them in your organization.

Due to the summarized nature of the document, not all partners and details could be listed in the example of projects. They can be found on our website in the articles mentioned on the slides. The budgets presented are examples, they will vary depending on your specific requirements and the team assigned, they are only here to give you a rough estimate of the cost.

cartong

Leverage data · Empower organizations · Enable change

PARTICIPATORY MAPPING

More information on our full portfolio

Based on Open Data, low-tech solutions and community-centered approach

Participatory mapping is a great tool for decision making, awareness raising and advocacy. It allows to :

- Concretely **MOBILIZE LOCAL COMMUNITIES** and give them the possibility to become actors of information production.
- **OVERCOME THE LACK OF INFORMATION** and producing quantitative and qualitative geographical data
- Foster collaboration, **KNOWLEDGE SHARING** and constructive exchanges, in particular with OpenStreetMap

CARTONG OFFERS A TECHNICAL AND METHODOLOGICAL SUPPORT BASED ON LIGHT, SUSTAINABLE, AND INNOVATIVE SOLUTIONS

An integrated approach in 4 complementary steps

1. Collaborative remote mapping (mapathons)
2. Participatory field mapping and data collection
3. Co-producing mapping products
4. Creating sustainability by building local capacities.

A FEW PROJECT EXAMPLES:

CLIMATE CHANGE ADAPTATION IN RURAL VILLAGES IN TAJIKISTAN

With local partner Little Earth, we created data on 160 rural villages feeding a national geoportal, and supported the creation of a local OSM community

100,000€
1 year project

Federal Ministry for Economic Cooperation and Development

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

HEALTH AND ENVIRONMENTAL PREVENTION ACTIVITIES IN PRECARIOUS NEIGHBORHOODS IN MAYOTTE

Facilitation of workshops with inhabitants, to improve operations, knowledge of the area and create a community mobilization

13,000€
2 weeks-mission

MÉDECINS DU MONDE

FOOD SECURITY PROGRAM IN A REMOTE REGION OF MADAGASCAR

Capacity building of SIF team & local OSM community, remote and field mapping, participatory workshops with local stakeholders

45,000€
24 months projet (2 missions)

SIF

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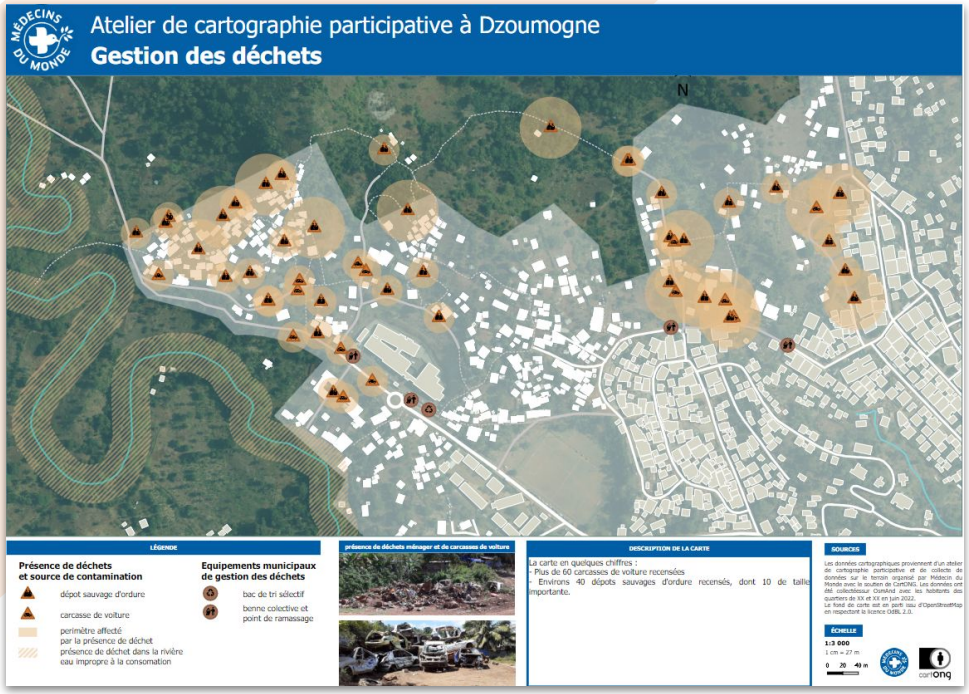
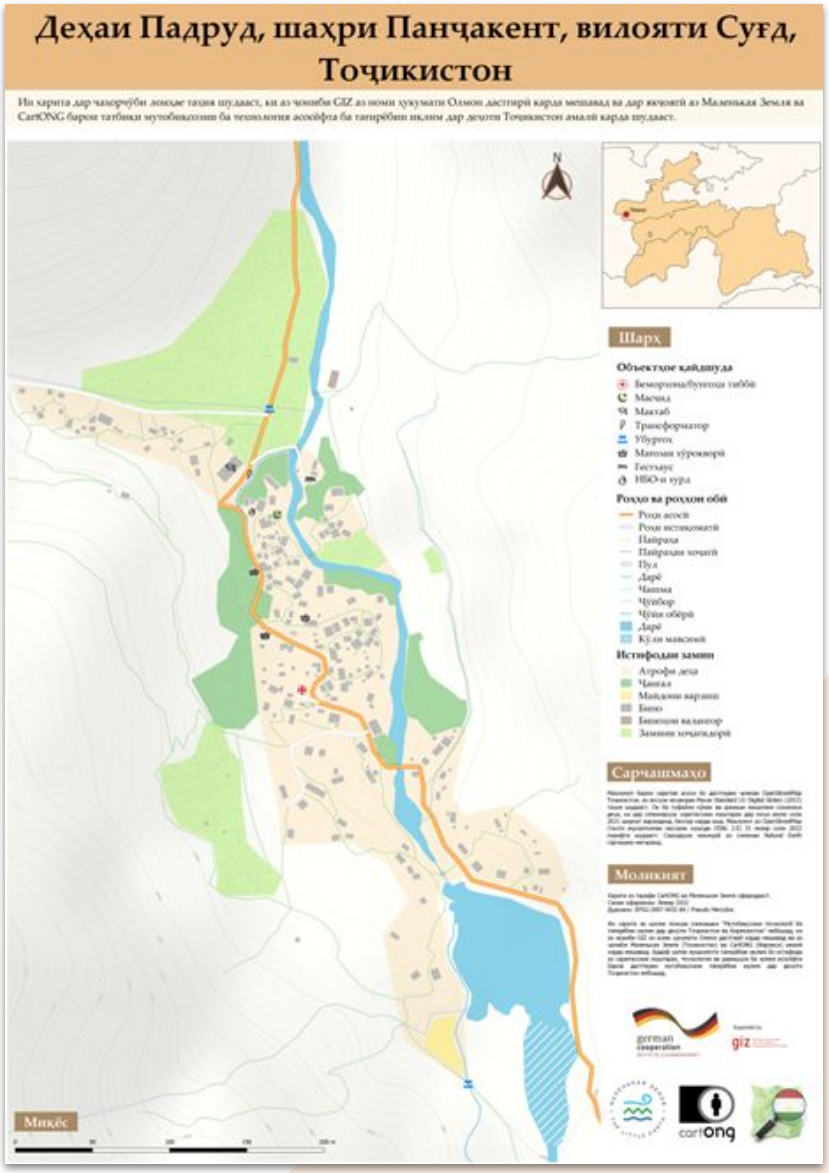
Examples of deliverables





BUSINESS INTELLIGENCE

Data visualisation for project monitoring, decision making and advocacy

Business Intelligence (BI) allows organizations to **CONSOLIDATE AND VISUALIZE DATA FROM MULTIPLE SOURCES** such as spreadsheets, databases and online platforms like KoBo Toolbox. They also support geospatial data visualization, making it valuable for projects that involve mapping and location-based analysis. BI can help organizations make informed decisions, improve transparency, and achieve their goals more effectively.

With its wide range of skills and experience with BI tools, CartONG supports NGOs and consortiums to **CREATE VISUALLY COMPELLING AND INTERACTIVE REPORTS AND DASHBOARDS** for presenting data and insights to stakeholders, partners, donors, and decision-makers.

A FEW PROJECT EXAMPLES:

EXPERTISE FRANCE INOV'I (TUNISIA)

CartONG helps the Expertise France team to improve its existing data collection system via online forms, and to build a dashboard, integrated into the Expertise France website, to visualize aggregated indicators and key figures for the purposes of communicating the various indicators tracked by the project. This interactive dashboard allows data to be filtered and specific breakdowns to be obtained, as defined by the project's M&E framework.

9,900€, 4 months

UNHCR

CartONG designed a public dashboard for UNHCR's nutrition section on various themes by visualizing aggregated key indicators extracted from Standardized Expanded Nutrition Surveys (SENS) in UNHCR operations over multiple years.

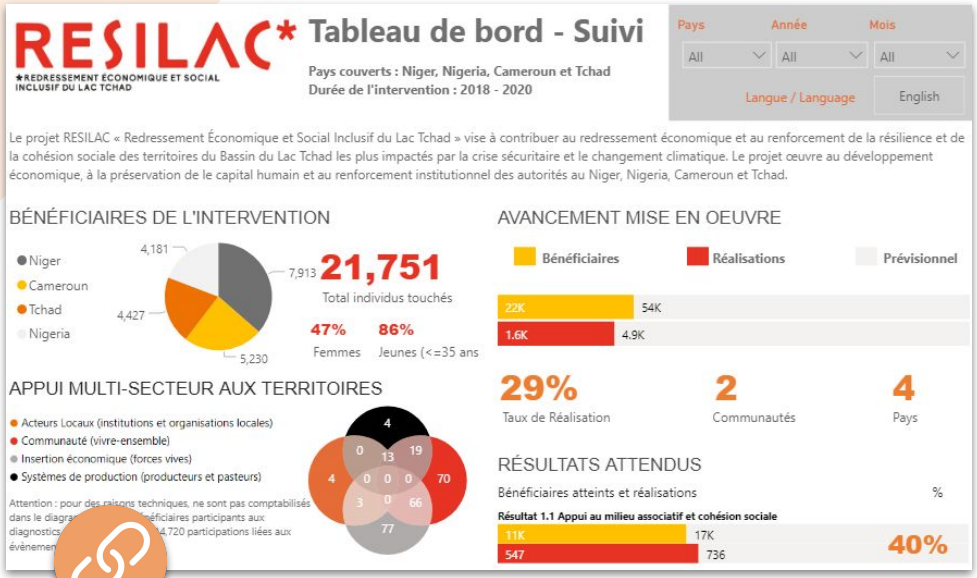
Access the dashboard here

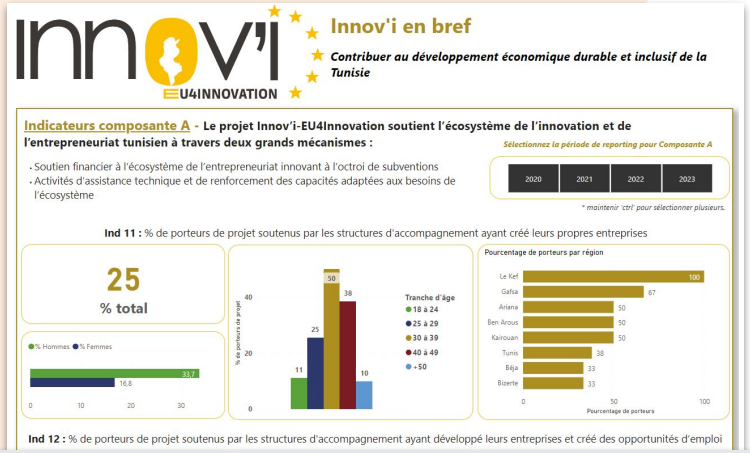
RESILAC (INCLUSIVE ECONOMIC AND SOCIAL RECOVERY OF LAKE CHAD) CONSORTIUM

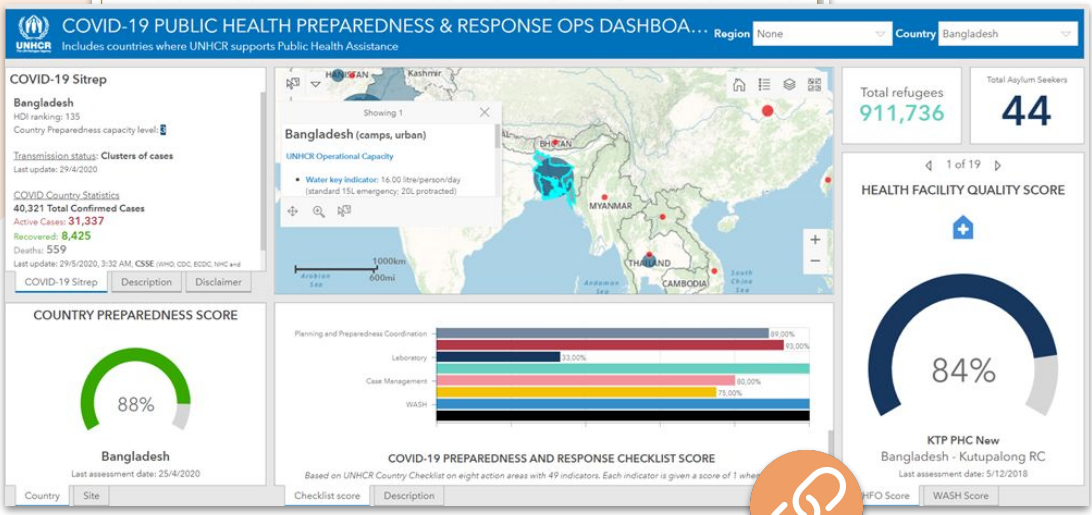
CartONG supported the consortium with centralized, semi-automated data visualization via a dynamic Power Bi dashboard to promote accountability and communication of project results.

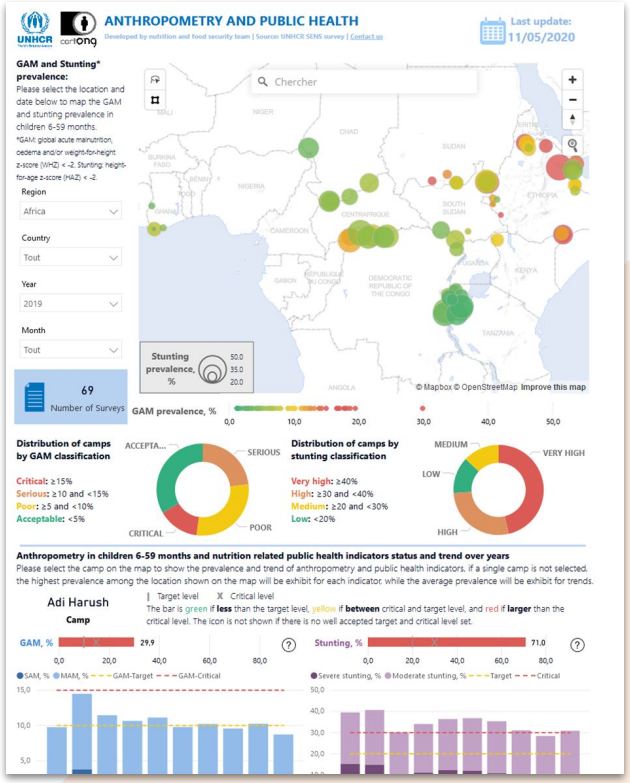
~10,000€/y, 4 years

Examples of deliverables









DATA LITERACY, RESPONSIBLE DATA AND IM STRATEGIES

CartONG has a broad range of experience in supporting NGOs, consortiums and IOs to improve their Information Management strategies, to ensure that the human and technical resources in place to collect and use data is adequate considering their needs and constraints.

We assess the situation concerning data (in terms of skills, technologies, strategies, data flows…) and work with the partner on adequate and realistic solutions, in terms of approaches, tools, or capacity building. Types of collaborations range from assessing an NGO's needs and capabilities on Geographical Information Systems, to supporting them on reviewing their Monitoring & Evaluation systems to make them more effective or strengthening their team's skills on more responsible data practices.

A FEW PROJECT EXAMPLES:

DATA MANAGEMENT TECHNICAL SUPPORT AND TRAINING FOR SOLIDARITES INTERNATIONAL

Support to SI's field operations by training them in- person or from remote on MDC, responsible data, Excel, mapping (Myanmar, CAR, tech coordinators worldwide…), managing a hotline on GIS topics (Lebanon) or by creating databases (Bangladesh).

From 5k to 15k€ depending on the request

solidarités international

SUPPORTING THE DEVELOPMENT OF A DATA CULTURE AT MAX HAVELAAR FRANCE

Supporting the data team - through workshops, recommendations and tools - to be better equipped to build a data culture within the organisation.

6,960€, 7 months

FAIRTRADE MAX HAVELAAR FRANCE

IM FOR THE RESILAC (INCLUSIVE ECONOMIC AND SOCIAL RECOVERY OF LAKE CHAD) CONSORTIUM

CartONG supported the consortium with a variety of supports over the years: Information Management needs assessment, data literacy and mapping training.

~10,000€/y, 4 years

RESILAC* Redressement économique et social inclusif du Lac Tchad — Groupe URD — care — Action contre la faim

Examples of deliverables

	Recommandations stratégiques et organisationnelles
1	Fournir au consortium un cadre IM minimal
1.1	Mise en place d'une politique de protection (et indirectement de partage) des données
1.1.1	Vérifier lois nat de protection des données locales et le cas échéant définir un plan d'action de mise en conformité.
1.1.2	MoU accord de partage des données entre partenaires consortium
1.1.3	Concevoir des guidelines communes simples favorisant la mise en place de bonnes pratiques
1.2	Conception de procédures permettant une agrégation, consolidation et partage des données :
1.2.1	Nomenclature des échelles géographiques (administratives et/ou traditionnelles) de chaque pays
1.2.2	Attribution d'un P-Code à chaque entité géographique
1.2.3	Attribution d'identifiants uniques
1.2.4	Définir des règles minimales de conception de tout type de base de données
1.3	Rationaliser les outils de stockage et partage des fichiers.
1.3.1	Mise en place d'un serveur partagé
1.3.2	Rationaliser les procédures de reporting
2	Développer une « culture des données »
3	Clarifier les responsabilités IM
	Recommandations et scénarios techniques.
4	Approche centralisée des BDD bénéficiaires
4.1	Scénario préconisé : compilation manuelle mensuelle des données sur Excel
	Pilotage
5	Tableau de bord régional
	Décider quels indicateurs le tableau de bord devrait représenter : indicateurs d'activité, indicateurs de résultat
	Décider des niveaux de désagrégation souhaités côté utilisateur (temporel, géographique...)
	Identifier les sources de données internes et externes pertinente
	Tester le croisement au minimum via un champ commun / localité ou idéalement un P-Code) et le cas échéant les adapter
	Conceptualiser le modèle de données en conséquence
	Favoriser une approche territoriale

CUSTOM WEB DEVELOPMENT AND WEB MAPPING

Building on open source tools and pooling the components we develop for our partners, CartONG can create customized online data visualization platforms, to support your M&E, accountability and communications.

A FEW PROJECT EXAMPLES:

ONLINE OPSMAPS FOR CCCM (MULTI-COUNTRIES)

OPSMAP provides a solution that allows humanitarians to visualize the state of services within the sites hosting displaced persons. The tools automatically produce "site profiles" with information essential for site management and decision making. The standard version is an open source solution developed by CartONG, and can be customized.

Multi-year project

UNHCR The UN Refugee Agency

WEBMAP OF YOUTH LEADING STABILIZATION EFFORTS IN THE LAKE CHAD BASIN

Web map displaying infrastructures relating to health, education and youth organizations, collected via KoBo forms, with an offline component (i.e. data preloading). It includes various filtering and search options.

10,000 €, 2 years for full project

PLAN INTERNATIONAL

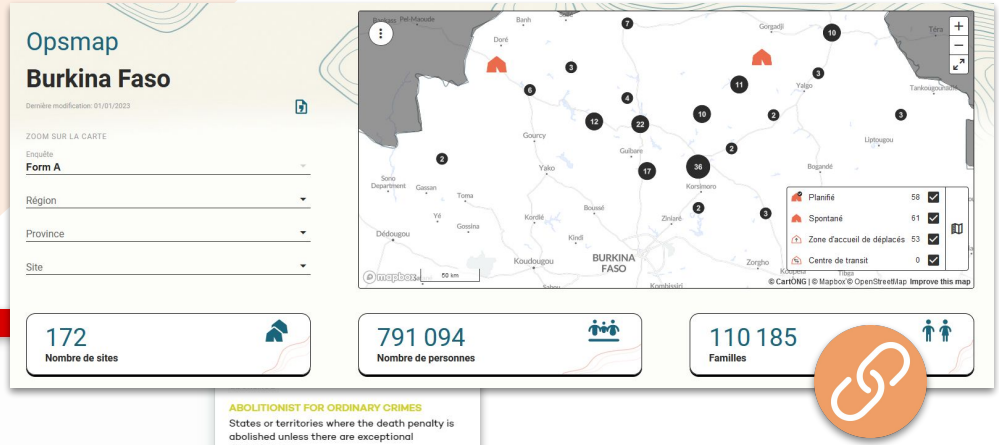
GLOBAL WEB MAP OF DEATH PENALTY WORLDWIDE FOR ADVOCACY

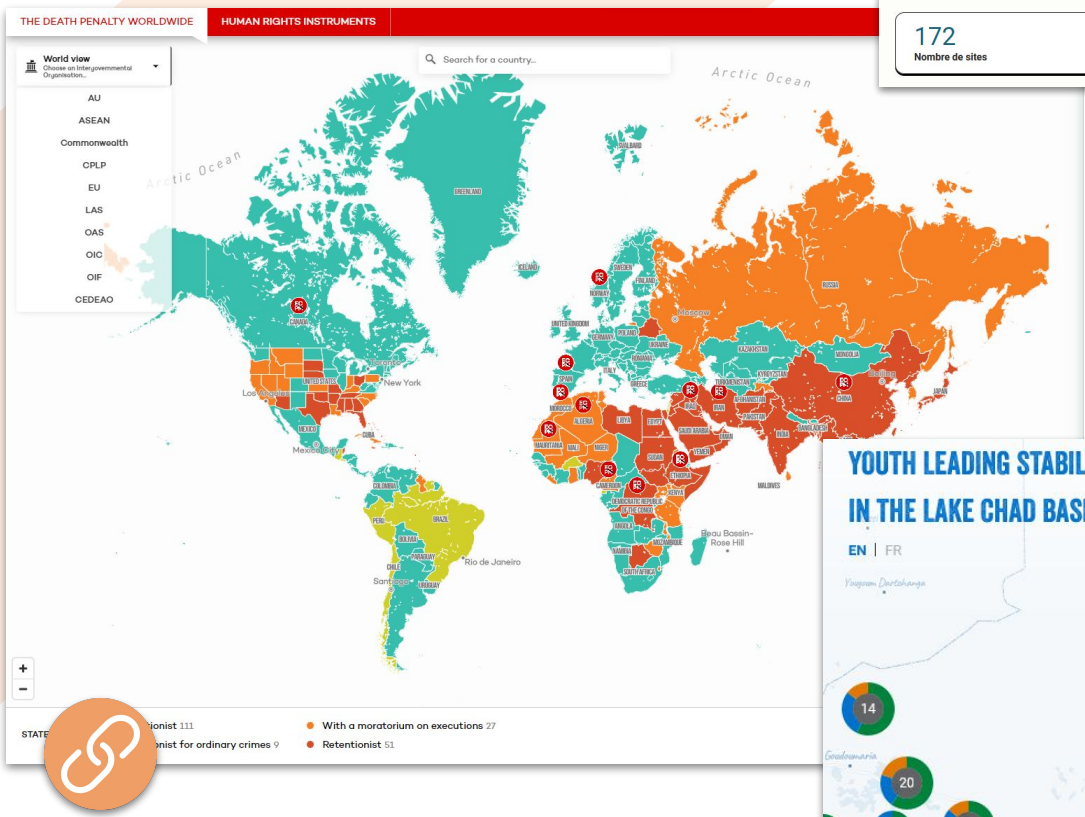
An interactive web map bringing together key facts and figures related to death penalty around the world. Built with custom JavaScript technology, it displays the data harvested by ECPM while sticking to the organization's visual identity, and offers an easy and intuitive interface to the public.

12,000 €, 2 years for full project

ECPM TOGETHER AGAINST THE DEATH PENALTY

Examples of deliverables





INTEGRATED IM SUPPORT

With almost 20 years of experience in Information Management for the humanitarian sector, CartONG can provide support on **ALL ASPECTS OF THE IM WORKFLOW**, but also an **INTEGRATED SUPPORT** to build and/or outsource your whole process.

We can **DESIGN THE FULL DATA CYCLE** from helping to conceive surveys, setting up the forms, training the trainers, providing data quality checks and cleaning the data, preparing the analysis to publishing the aggregated results and the approved analysis on a data platform we develop.

A FEW PROJECT EXAMPLES:

INTEGRATED SUPPORT TO UNHCR LIVELIHOOD

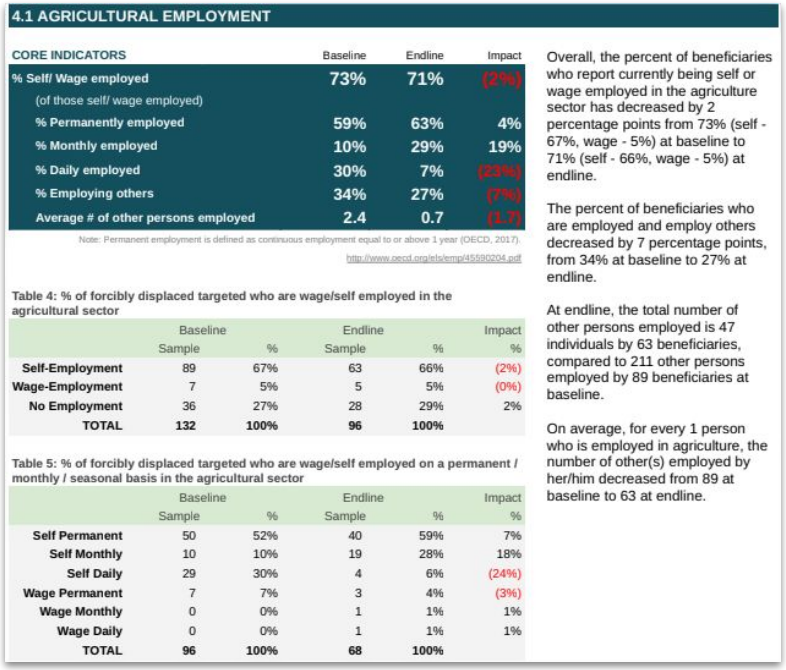
CartONG supports the UNHCR Livelihood section in monitoring the impact of their Livelihood programs. A very user-friendly, hands-off service to the field operations, allowing them to focus on collecting the data with their implementing partners and then using the analysis for programmatic decision making and adjustments of their Livelihood programs. Everything else is being taken care of.

150,000€ for a full yearly cycle (multi-year) UNHCR The UN Refugee Agency

GEOSPATIAL HOTLINE FOR UNICEF HQ

Ranging from maps for reporting to more interactive maps to PowerBI dashboards and assisting with setting up a more efficient data model to testing and assessing open source applications as well as reviewing and adjusting QGIS scripts, the requests that might come through the Hotline are varied and all aim at giving dedicated short term support to assist operations and UNICEF thematic teams with GIS and IM products.

70,000€, 2 years unicef



4.1 AGRICULTURAL EMPLOYMENT

CORE INDICATORS	Baseline	Endline	Impact
% Self/ Wage employed	73%	71%	(2%)
(of those self/ wage employed)			
% Permanently employed	59%	63%	4%
% Monthly employed	10%	29%	19%
% Daily employed	30%	7%	(23%)
% Employing others	34%	27%	(7%)
Average # of other persons employed	2.4	0.7	(1.7)

Note: Permanent employment is defined as continuous employment equal to or above 1 year (OECD, 2017).
http://www.oecd.org/els/emp/45590204.pdf

Table 4: % of forcibly displaced targeted who are wage/self employed in the agricultural sector

	Baseline Sample	Baseline %	Endline Sample	Endline %	Impact %
Self-Employment	89	67%	63	66%	(2%)
Wage-Employment	7	5%	5	5%	(0%)
No Employment	36	27%	28	29%	2%
TOTAL	132	100%	96	100%	

Table 5: % of forcibly displaced targeted who are wage/self employed on a permanent / monthly / seasonal basis in the agricultural sector

	Baseline Sample	Baseline %	Endline Sample	Endline %	Impact %
Self Permanent	50	52%	40	59%	7%
Self Monthly	10	10%	19	28%	18%
Self Daily	29	30%	4	6%	(24%)
Wage Permanent	7	7%	3	4%	(3%)
Wage Monthly	0	0%	1	1%	1%
Wage Daily	0	0%	1	1%	1%
TOTAL	96	100%	68	100%	

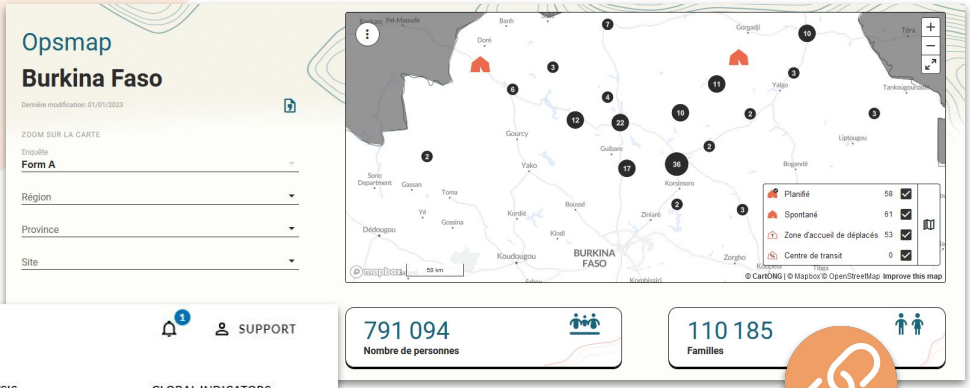
Overall, the percent of beneficiaries who report currently being self or wage employed in the agriculture sector has decreased by 2 percentage points from 73% (self - 67%, wage - 5%) at baseline to 71% (self - 66%, wage - 5%) at endline.

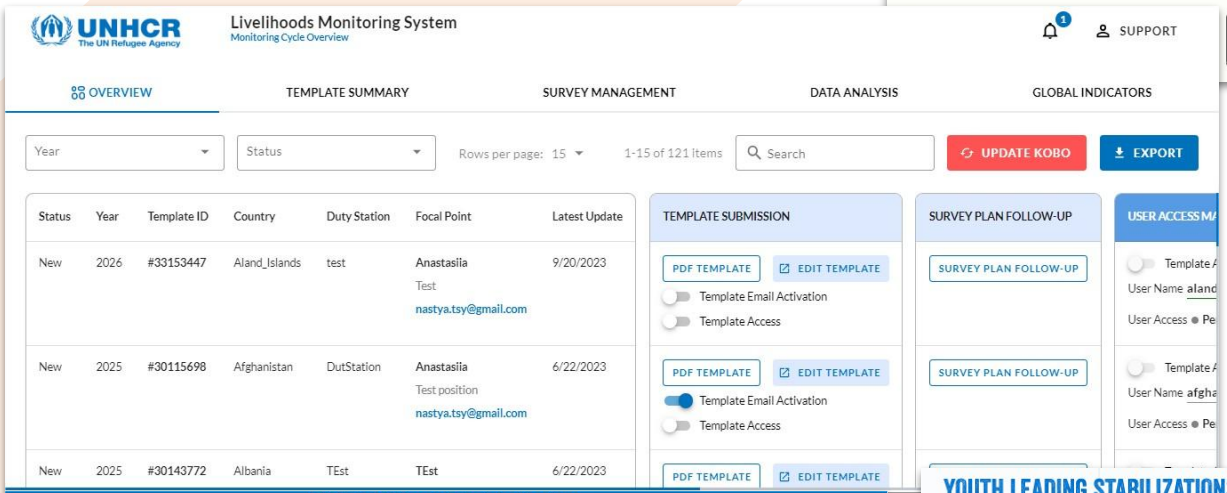
The percent of beneficiaries who are employed and employ others decreased by 7 percentage points, from 34% at baseline to 27% at endline.

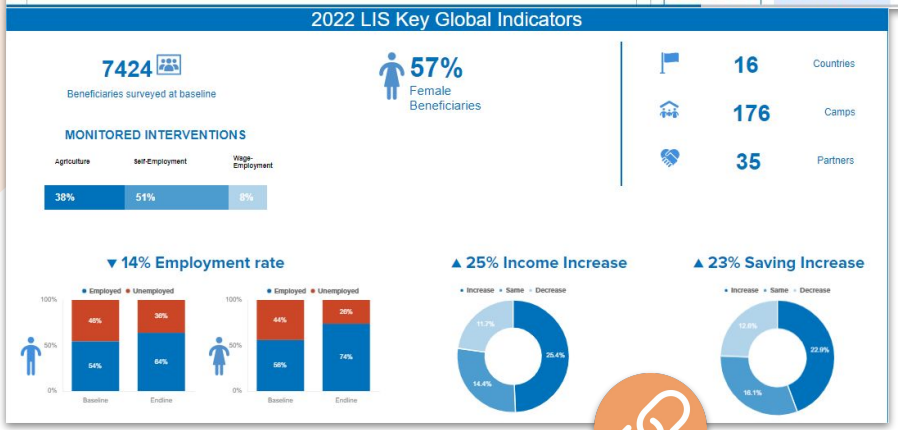
At endline, the total number of other persons employed is 47 individuals by 63 beneficiaries, compared to 211 other persons employed by 89 beneficiaries at baseline.

On average, for every 1 person who is employed in agriculture, the number of other(s) employed by her/him decreased from 89 at baseline to 63 at endline.

Examples of deliverables







TRAININGS

We present here a selection of “off the shelf” typical trainings we’ve been delivering to partners over the past months. This selection if neither comprehensive (we provide training on other tools) nor rigid (all those trainings can be customized) - please get in touch to discuss your specific needs.

All of these trainings can in particular be extended with assessment of your team’s skills and needs, hotlines to support them after the sessions, practical exercises reviewed by our trainers, field exercises, etc.

The number of participants can also be extended with additional trainers from our team.

No budget estimate is included in this section because of these constraints of customization (+ the need to include specific travel, insurance & accommodation costs and travel time for onsite trainings).

A FEW PROJECT EXAMPLES:

AWARENESS RAISING AND INTRODUCTION TRAININGS

Introduction to responsible data
Raise awareness among your technical or operational staff of the stakes of data protection.
½ day - up to 30 participants

Easy online mapping with GoGoCarto
Build your first online map with a simple, intuitive and open source tool!
½ day - up to 10 participants

INFORMATION MANAGEMENT

Mobile Data Collection from A to Z with KoBo Toolbox
Complete training on how to build and encode a form, collect, manage and analyze the data.
5 days - up to 15 participants

The essentials of program data management
With a bit of theory and mostly practical sessions around tools and current stakes of IM.
2 days - up to 20 participants

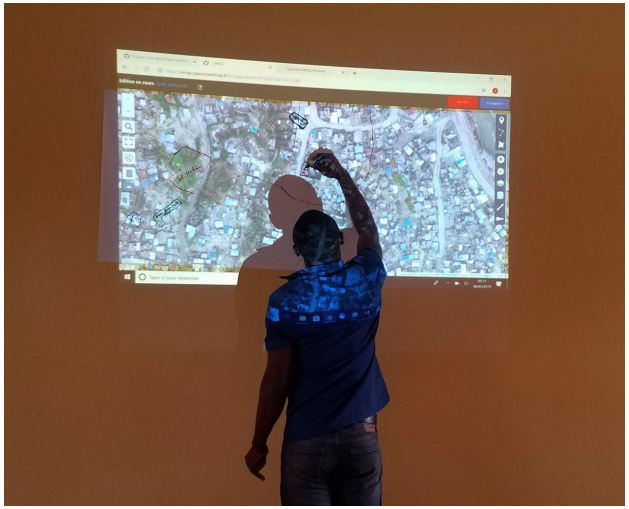
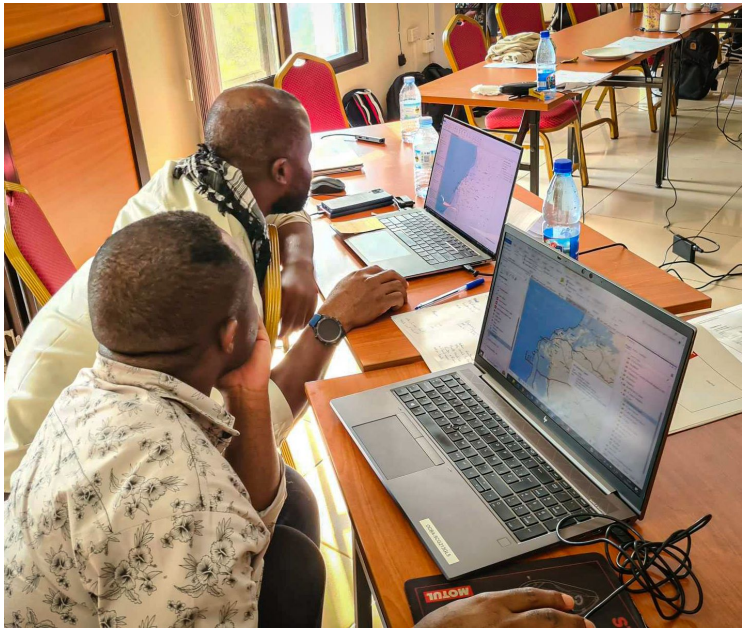
The essentials of data vizualisation with PowerBI
Create stunning dashboards with PowerBI, connecting your datasets and learn how to maintain them over time.
5 days - up to 10 participants

Advanced Excel tips and tricks
All you need to know on how to remove duplicates, clean your data, structure your tables, link data from different sources and also analyze it.
4 days - up to 15 participants

TRAININGS

GEOGRAPHIC INFORMATION SYSTEMS

The essentials of GIS
Learn the fundamentals of GIS and the most used features of either QGIS (open source) or ArcGIS (ESRI)!
2.5 days - up to 10 participants

Comprehensive GIS training
Full training including concepts of GIS, practical training and exercises, and advanced tips & tricks, on either QGIS or ArcGIS.
5 days - up to 10 participants

The essentials of OpenStreetMap
Learn the principles and ethics of OSM, contribution with iD and JOSM editors, simple field data collection and integration with OSMAnd, and discover how to use OSM data.
3 days - up to 10 participants