2020 ANNUAL REPORT

cartong

Humanitarian Mapping &
Information Management

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June 2021

Cover image: Mapathon, Missing Maps project, taken in September 2020 at TUBÀ in Lyon (France). © CartONG

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PRESIDENT'S MESSAGE

In 2020, the COVID-19 crisis shook up the world, disrupting our lives, separating loved ones, and leaving a significant part of the workforce either unemployed or having to operate in challenging working conditions. Existing humanitarian, economic, social and environmental crises were exacerbated. Many are already calling 2020 "the lost year", but maybe there is another way to look at it?

In many ways, 2020 is synonymous with constant reflection and adaptation. For the first time of its existence, CartONG conducted only 5 field missions in a year. Our staff team spent over 5 months in lockdown and teleworking full-time from home in 2020. Public events and training sessions were heavily disrupted, and we decided early on to move these online - which led ultimately to the 2020 GeOnG forum going virtual as well. A lot of ongoing activities or priorities also had to be fully rethought, when entire projects did not just simply get cancelled or postponed until further notice.

In the midst of all this, a few very positive things came out. CartONG set up an Information Management (IM) COVID-19 Help Center to accompany humanitarian and development actors confronted to new emerging data management and monitoring & evaluation challenges due to physical distancing and international travel constraints. Thanks to our agile approach we were able to adapt very quickly to the situation and to continue and even increase our support to our historical partners - MSF and UNHCR. The mobilization of our volunteers was exceptional, which allowed us to work with existing partners while new requests came in, but also and more significantly, to provide pro bono support to organizations that we would not normally be in a position to support. Finally, we were also able to continue disseminating numerous tutorials and other resources in support of the sector, with a major release in September with the study on "Program Data: The silver bullet of the humanitarian and development sectors?".

Despite the disruptive effect of COVID-19, we managed to keep working on consolidating our processes, widening our network and strengthening our existing team. An Administrative & Financial Director joined CartONG in April. In 2020, CartONG also extended its partnership agreements with MSF, UNHCR, Terre des hommes and Max Havelaar France, while signing new ones with Action contre la Faim and MapAction. What's more, after the publication of its Associative Project in 2019, CartONG released its first ever Associative Life & Volunteers' Involvement Strategy in June 2020 and launched a collective reflection on developing a 3-year Global Strategy - which will be key to continue adapting our organization to the changing aid and global landscape. Finally, from a budget perspective, 2020 was again a year of steady growth, reflecting the exceptional mobilization of our staff and volunteer teams and renewed support from partners.

2020 was a year full of success, demonstrating the organization's extraordinary ability to adapt to a sudden crisis. We hope that 2021 will allow us to continue building on all the new practices, skills and relationships that we have developed this year, while also giving us the opportunity to focus again on parts of our activities that were set aside in 2020.

Charlotte Pierrat, President
Sybille Bernard & Vincent Taillandier,
Vice-presidents

ABOUT CARTONG

CartONG is a Humanitarian to Humanitarian (H2H) NGO specialized in the full scope of Information Management (IM) expertise – including Geographic Information Systems, Mobile Data Collection, data processing and transversal IM approaches – and whose mission is to put data at the service of humanitarian, development and social action projects. Our main goal is to improve the quality and accountability of field activities, in particular through better needs assessments and monitoring and evaluation. Created in 2006 and located in Chambéry, CartONG is registered in France as a non-profit association.

As a multidisciplinary resource and expertise center on IM tools and methodologies, our staff and volunteers support organizational strategies, field operations as well as knowledge and capacity building for its partners and, whenever possible, the whole sector. CartONG works with a wide array of stakeholders – NGOs, international organizations, grassroots actors, etc. – and covers a variety of sectors including, among others, water & sanitation, protection and disaster risk reduction. CartONG has a diversified economic model that allows us both to work directly on partner requests and to launch innovative activities with the support of donors, foundations and private companies. CartONG has endorsed the Principles for Digital Development and is a member of the H2H and Coordination Sud networks.

OUR MAIN FIELDS OF EXPERTISE

Mapping & GIS

Improving project implementation through Geographic Information Systems

Mobile Data Collection

Building on digital data collection workflows to enhance the quality of projects

Data processing

Turning data into actionable knowledge for better decision-making

Transversal Information Management approaches

Supporting organizations in adapting to evolving data stakes and challenges

ABOUT CARTONG

OUR GOVERNANCE

CartONG follows a standard French associative governance structure, with a Board elected by the yearly General Assembly.

Each of the members are elected for a period of one year - which is renewable. They carry out their duties as volunteers. Board members meet once per month.

The Board's role is to provide broad guidance for the association, to ensure its proper functioning and to guarantee the best possible use of resources. It plays a key role in helping structure the association as it grows and continues to welcome new staff, members and volunteers.

The Board also provides great support to the CartONG team every 2 years during the GeOnG Forum, and provides expertise on volunteer projects.

2020 Board

Charlotte Pierrat, President

Founder & Director of AGAT

Vincent Taillandier, Vice-President

Strategic Development Consultant

Sybille Bernard, Vice-President

Internal Audit Manager at Care France

Patrick Fuchs, Treasurer

Former Deputy Executive Director at Arvalis

Claire Chaillou-Gillette, Secretary

Cartographer & GIS specialist at Citadia

Jean-Paul Nicoletti, HR Advisor

Former Economic Studies Officer at Arvalis

Robert Danziger, Board Member

Former Professor

Cécile Borreil, Board Member

Head of Programme at the CSI

A FEW FIGURES ABOUT OUR STAFF & VOLUNTEERS

ABOUT CARTONG

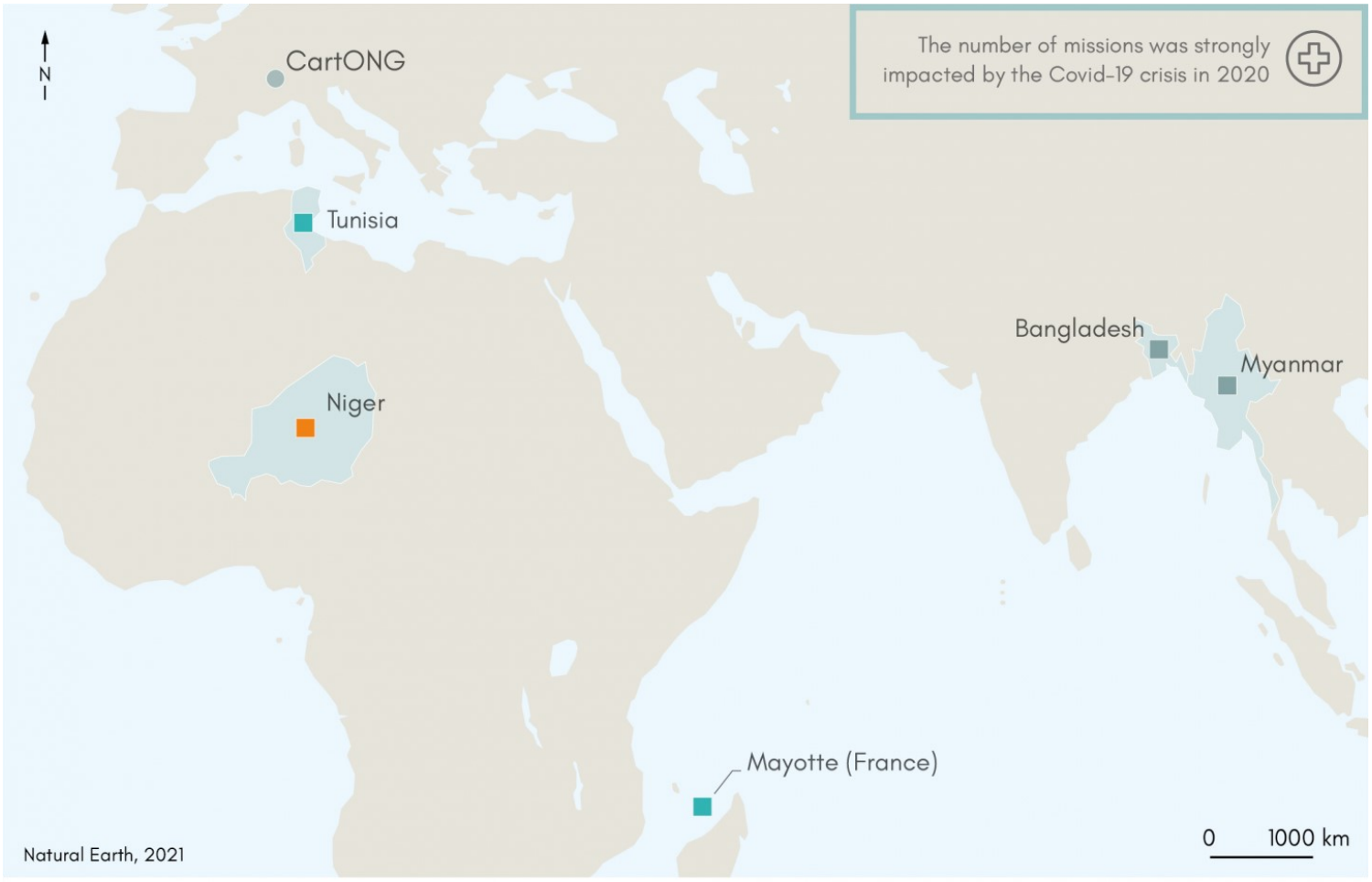
OUR PRESENCE IN 2020

183 Online training & coaching sessions

1 subjective mapping exhibition

72 Online mapathons & data quality control sessions

32 On-site participatory and subjective mapping workshops



HIGHLIGHTS OF 2020

January

First 3-day mapping training given at Secours Islamique France

February

GIS and MDC workshops are conducted in support of MSF in Brussels and of UNHCR in Niger

16th February - 5th March

A staff deploys for two back-to back missions in Myanmar and Bangladesh in support of Solidarités International

March

Start of the COVID-19 pandemic in Europe: the whole team starts working from home. Increased support is provided to our two main partners, UNHCR and MSF

10th of April

CartONG strengthens collaboration with MapAction via the signing of a Memorandum of Understanding

April

A web map is developed by volunteers for the RUSH initiative to support the local COVID-19 response in the AuRA region

May

Launch of the COVID-19 IM Help Center in support of humanitarian and development NGOs

6th of June

General Assembly of CartONG, which led to the release of the 2020-2023 Associative Life & Volunteer Strategy

July

A new phase of the Maps from here & abroad project begins thanks to a new funding from Fondation de France

July

CartONG starts collaborating with Plan International to support the "Youth leading stabilization efforts in the Lake Chad Basin" project

August

CartONG conducts a fully remote training on QGIS for AFD through 6 webinar sessions for 16 staff based at HQ or in the field

14th of September

CartONG releases the study "Program Data: The silver bullet of the humanitarian and development sectors? Panorama of the practices and needs of francophone CSOs"

September

The SENS V3 guidelines are out. Our team has revised the XLS forms and the MDC training material in support of UNHCR

September

CartONG and Action contre la Faim sign a 3-year partnership agreement

10th of October

The interactive map built in support of Ensemble Contre la Peine de Mort is released on the World Day Against Death Penalty

October

The web map developed by our team to enhance the visibility of the projects supported by the H2H Network goes live

October

CartONG begins its support to Welthungerhilfe to help them determine the best MDC tools to use at organizational level

21st - 28th October

As part of a short field mission, CartONG facilitates a participatory mapping workshop in Mayotte with SCET

2nd to 3rd of November

373 participants attend the 2020 GeOnG forum, taking place online!

23rd to 28th of November

First ever online Get-Together of CartONG, with no less than 64 participants

December

11 volunteers from CartONG are trained on the free collaborative web mapping tool GoGoCarto, thanks to the support of FDVA AuRA

December

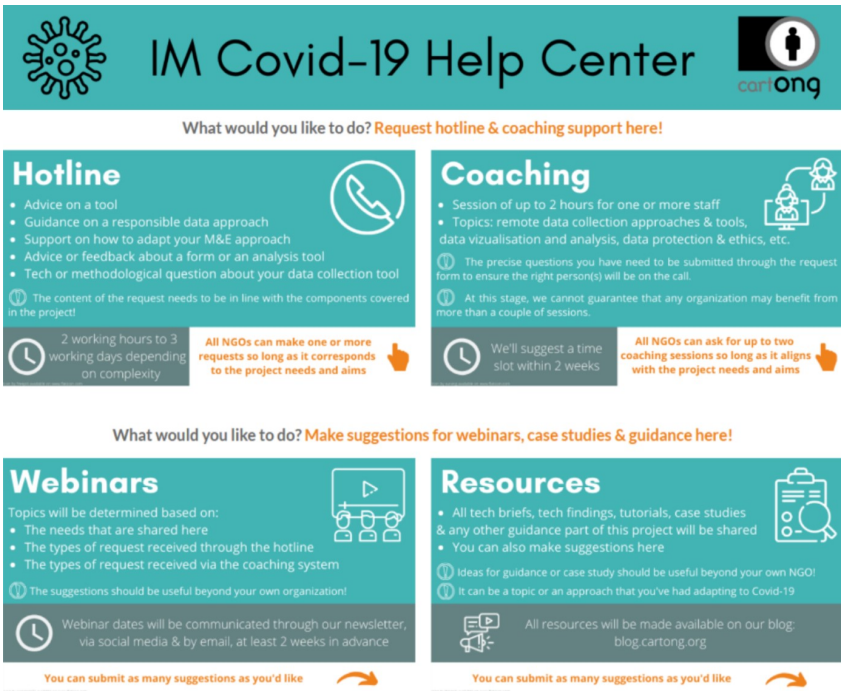
CartONG finishes the year with an incredible track record of 105 mapathons and data quality control sessions organized as part of the Missing Maps project

OUR WORK IN RESPONSE TO THE COVID-19 CRISIS

Support to partners and the sector as a whole

Throughout 2020, CartONG has adapted its response and the support it provides to its partners and the sector as whole to respond to the challenges faced by humanitarian, development and social action actors in the context of the COVID-19 pandemic. In the first few weeks of the pandemic in particular, CartONG provided more advanced support to its historical partners, Médecins Sans Frontières and UNHCR (the UN Refugee Agency) by developing new dashboards for their teams. Most of the support which had been planned for our partners in 2020 also had to be revisited to match the constraints of physical distancing and remote support.

The newly launched project called "Strengthening program data management within francophone Civil Society Organizations (CSOs)", implemented in support of the aid sector and co-funded by the French Development Agency, was very directly impacted by the health crisis. In the early months of 2020, several deliverables got reoriented to integrate and prioritize the physical distancing factor in data collection - as CSOs were in acute need of support on the topic (see section "Our resources" p. 11).



After the first initial weeks, requests for support from organizations we had not previously worked with also started to arrive - often coming from small to medium-sized organizations, which did not always have the means and necessary expertise to approach the topic of Information Management on their own. As a result, CartONG mobilized its network of volunteers to address the most urgent requests (see below for full details) and our team also sought funding to set up the COVID-19 IM Help Center in order to provide the best possible support for the sector at this challenging time. Funded by the H2H Network, it made available 14 resources, some co-produced in collaboration with other H2H actors (see section "Our resources" p. 11 for the ones published in 2020), to help organizations navigate the physical distancing constraints that the pandemic imposed in regards to data management and Monitoring & Evaluation. Direct support was also provided to 19 organizations to help them build their capacities as well as use and produce data-related tools and processes that corresponded to their needs.

Overall, the pandemic infused all activities of our association in 2020, generating many new collaborations. Throughout the year, it was at the center of all discussions, due to its tremendous impact on data management practices and ways of working, and naturally ended up being a common thread of all sessions at the 2020 GeOnG forum (see p. 36).

HIGHLIGHTS OF 2020

An incredible investment of our volunteers

Despite the distance, the masks and the curfews, this year led to an extraordinary volunteer mobilization at CartONG. Here are a few lessons learned:

1) In a time of crisis, we can count on our volunteer community! While for some associations, the March 2020 lockdowns in France and Europe paused all volunteer activities, at CartONG, it was the beginning of a crazy online adventure. In total, volunteers were involved in 23 different initiatives in 2020, working closely with our staff while applying a wide range of skills: IT, webdev, GIS, mapping, database management, project management, graphic design, communication, and translation.

2) Web mapping is a great tool for simple and user-friendly mapping projects. In the midst of the COVID-19 health crisis, our volunteers supported many national and international solidarity organizations, particularly by providing web mapping support. In 2020, CartONG invested time and effort in training a small group of volunteers in the use of several free and open source web mapping tools, so more support could be provided to organizations in need. And this momentum will continue in 2021.

3) Virtual events can help grow one's volunteer network. Due to the health situation in France, we had to move multiple events online, not realizing that the situation would last. After a few attempts, we reorganized our way of functioning entirely, moving all participatory mapping sessions on OSM online and setting up regular online volunteer happy hours. This not only was a great success but it also helped CartONG reach a more international audience (Spain, Canada, Chad, etc.). In total, this new program of activities led to 45 new people joining our team of volunteers, and it culminated with the organization of the first ever online Get-Together of CartONG to which 64 people participated.

We thank our volunteers for their time, skills and ideas and, above all, for the joy they spread in a challenging year. It cannot be measured in numbers, but it is their most precious contribution.

A FEW OTHER MILESTONES FOR CARTONG IN 2020

From a Data Protection Task Force to a Data Protection Officer

If 2019 was a year of building work on the topic of data protection in CartONG, 2020 was certainly a year of stabilization and reinforcement of our practices - as the heavy workload brought by the pandemic proved little conducive to the launch of new initiatives.

2020 was thus mainly marked by the structuring of our internal functioning with the formalization of data protection focal points within each of the technical units of CartONG, which took over from the Task Force initiated back in 2018. Such a structure was imagined to ensure a first-level response and constant relay between the Data Protection Officer and the project teams. 2020 was also a year of formalization with our partners, leading to the updating of the partnership agreements and contracts related to the issue. We also managed to work on or finalize several key documents such as the privacy policy of our website, the general conditions for pro-bono support, some internal procedures and technical checklists, as well as the data protection briefing slides for new staff.

On the project side, 2020 allowed us to continue to integrate the "data protection by design and default" approach in our activities, whether through the development of complex applications such as the Medical Referral Database for UNHCR which required special attention in view of the sensitivity of the data being processed, or the selection of technical solutions adapted to the needs of our partners.

Finally, 2020 was a year of dissemination of the principles of responsible data management within the sector, both through daily discussions with our partners (integration of the principles as much as possible in the design of projects and the provision of services) and through the choice of this year's GeOnG main theme ("People at the heart of Information Management: promoting responsible and inclusive practices") which lead to the organization of several important workshops and roundtables around the topic of responsible data (see p. 36). CartONG also had the opportunity to promote responsible data management during a training for 13 NGOs through VENRO and a series of awareness-raising sessions at Humanity & Inclusion.

If the context allows it, 2021 should once again be a founding year in data protection for CartONG, with the strengthening of our IT infrastructure, the continuation of several internal projects and, above all, the launch of new projects incorporating the principles of responsible data management.

First volunteer strategy

In the continuity of the release of CartONG's first Associative Project in 2019, six volunteers and employees formed a working group in January 2020 to develop the first ever Associative Life and Volunteers' Involvement Strategy of our organization. This three-year strategy builds upon a survey which received 59 staff and volunteers' contributions and was officially approved during the 2020 General Assembly, on June 6th. The strategy identifies four main areas of interest that will serve as reference points for the activities and initiatives to be launched by our organization between 2020 and 2023: i) Ensure that volunteers can take an active role in CartONG ii) Consolidate a work and involvement framework adapted to the whole volunteer and staff community iii) Ensure a smooth and horizontal communication iv) Structure the volunteer network. The strategy is operationalized through yearly action plans, whose implementation then gets assessed and whose results are presented at the following General Assembly.

Launch of a global strategy development process

Building a CartONG multi-year Strategy is the natural continuation of the work undertaken by our organization back in 2019 with the support of its staff, volunteers and voting members, and which led, as mentioned above, to the release of the first Associative Project of CartONG in May 2019. It is perceived as a new step of a larger consolidation and development process for CartONG while also tackling the issue of its continued relevance in regards to its mission and the evolving digital context in which humanitarian, development and social action organizations operate. The strategic planning process was officially launched early 2020 with the aim of building a Strategy for the 2020-2023 period, but the process was then delayed by the COVID-19 crisis and its impact on the availability of the team for most part of the year. As a result, the period covered by the first Strategy was moved to 2021-2024, allowing us to also take into account the impacts of the pandemic in the final document.

OUR RESOURCES

As part of its mission to build capacity within the sector, CartONG produces a wide range of learning materials and studies each year. Here is a list of the blog posts which were published based on the resources produced in 2020 as part of our projects and in support of our partners.

IM

Learnings – Towards a Responsible Data approach in NGOs: 6 Key Learnings from CartONG's Experience

Help Library – COVID-19: IM Practical Resources for Aid Actors

Tutorial – How to set up cascading lists in an Excel database (in French)

Learnings – Findings from a Civil Society Organisations' workshop on the consequences of physical distancing on their data practices

Study – Program Data: The silver bullet of the humanitarian and development sectors?

User Guide – Power BI User Guide

GIS

Tutorial – Creating a basemap with MapBox & using it as a visual for Power BI

Tutorial – Use of the Geographic Information System QGIS (in French)

Tips – Simple, informative and visually coherent maps can be strong allies in a pandemic: 10 tips to deliver

Comparison – How to visualize my data with the Esri tools? A comprehensive benchmarking to help you through the process

Tutorial – How to create and use an icon font for mapping: the use case of 3W maps

Comparison – Benchmarking of online interactive mapping solutions for beginners

Tutorial – Using Electron JS as a container for offline applications (in French)

MDC

Tips – Good practices for testing a survey form (in French)

Tips – 20+ language tips for effective humanitarian data collection

Comparison – Comparative analysis of remote data collection tools for call-based surveys

Case study – Terre des hommes and Humanity & Inclusion case study of a call-based survey approach in Jordan

Tips – Making the most of Form Design in Remotely Monitored Projects – A data quality oriented approach

M&E

Tips – Guest publication: 8 ways to adapt your monitoring & evaluation during the Covid-19 pandemic by Janna Rous from Humanitarian Data Solutions (in French)

Tutorial – COVID-19 crisis: how to adapt your data collection for monitoring and accountability?

OUR ACTIVITIES

GIS Support and Services to the MSF GIS Unit

22 staff & 17 volunteers

Budget of 643,735€

Global (all countries of operations of MSF)

About the partnership

The partnership with Médecins Sans Frontières-Suisse, set up back in 2013, remains one of the largest ones in terms of budget and volume of activities for CartONG. Since the early days, CartONG has been acting as technical partner for the MSF GIS Unit. In continuity with 2019, our organization kept being quite involved in the GeoMSF program, as implementer, for the last year of this initiative. In 2020, CartONG was also consulted on the creation of the GIS Centre, the scaled-up version of the GIS Unit, planned to be launched in 2021 - one of the main outputs of the GeoMSF program.

The year 2020 was marked by the unexpected COVID-19 pandemic crisis, which led our team to be on duty for weeks at a time, in support of MSF operations. It has been a unique opportunity to develop a strong collaboration with our volunteer community in the first phase of the response, and with MapAction to support the evolution of the response in the longer term. In particular, in the early days of the crisis, CartONG worked on a dashboard which was augmented as the pandemic evolved (see more details below). Staff and volunteers were committed to the project to an extent we had not seen since the Ebola Crisis in 2014. Given the extraordinary context, the traditional "GIS Week" was also moved to an online format, with CartONG bringing its support on organization as well on content production and facilitation.

Mapping and webmapping

In addition to the continuous mapping service that the team provides - with 300 maps produced covering 41 countries in 2020 - and to the associated data mining work done to enrich the database, our main goal in 2020 was to implement ArcGIS Pro at headquarters and in the field. The GIS Week, which was moved online, gave us the perfect opportunity to roll out the solution. However, as ArcGIS Pro is much more demanding in terms of desktop capacities, it was not possible for everyone to start using it straight away and some staff at MSF have kept using ArcMap for now. Our team is thus still using both solutions in support of the MSF GIS Unit. As the main type of maps we produce are basemaps, in 2020 we also focused much of our work on health features compilation in collaboration with the data managers.

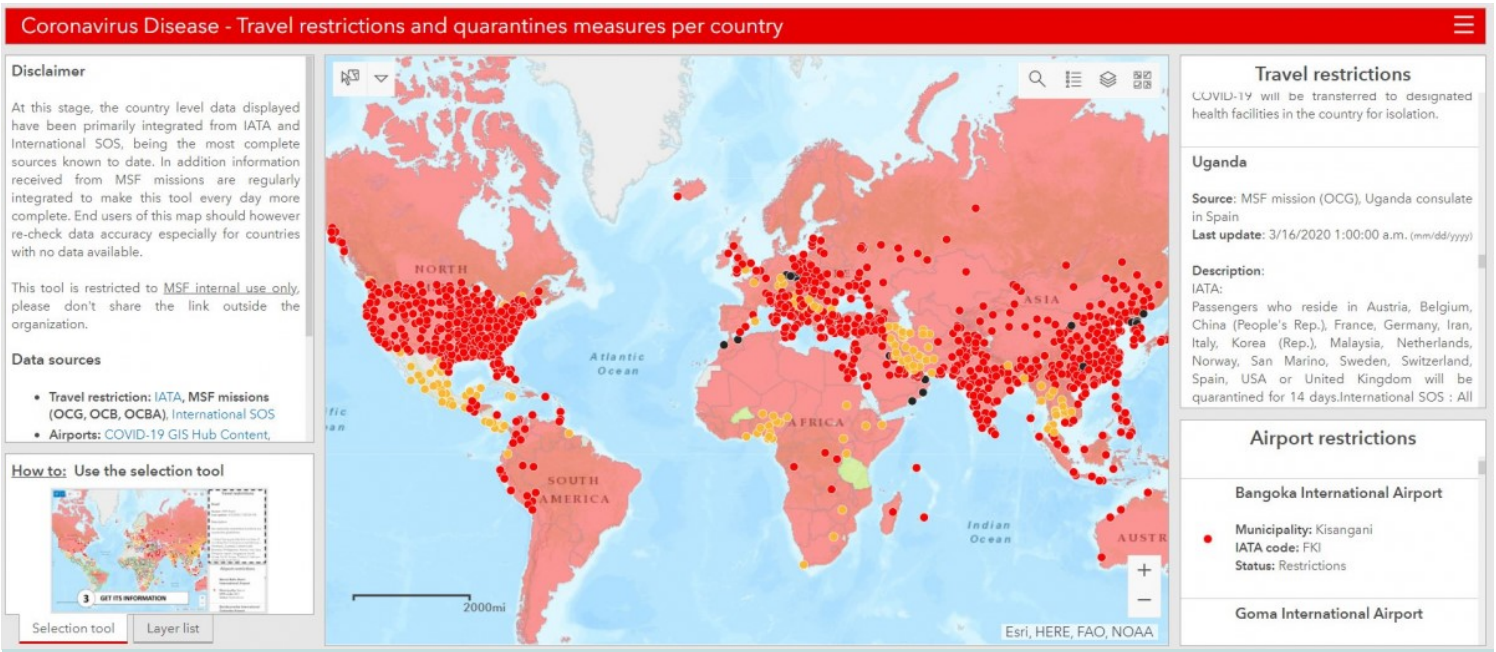
Basemap of Afrin District, Aleppo Governorate (Syria)

When it comes to online maps, 2020 was a rather slow year as we were waiting for the final output of the GeoMSF program. However, due to the

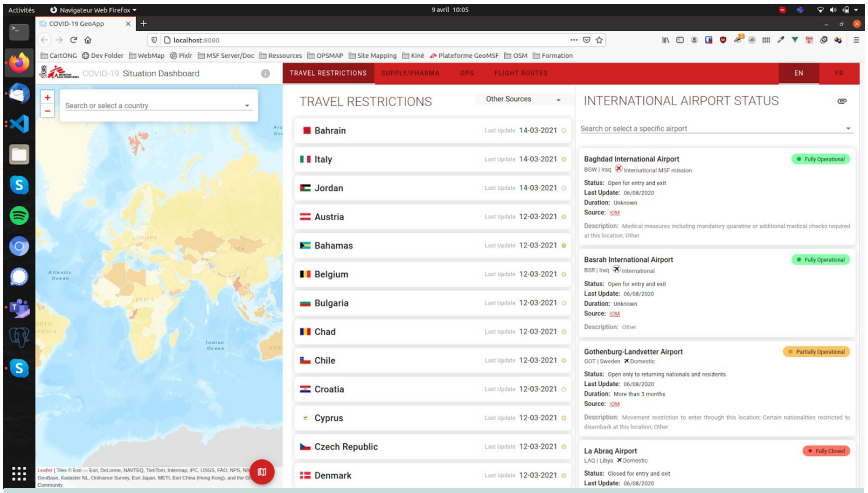
OUR ACTIVITIES

COVID-19 pandemic, our team was tasked with developing very quickly an online web map in support of MSF's operations. This unfortunate situation in fact gave us the opportunity to experiment rapid online web map building using the AGOL platform, for a first release, before moving towards a custom GeoApp, coded with the framework Vue.js for more advanced features required by MSF's operations. The Covid-Dashboard aimed at showing at world level, the different restrictions for entering and leaving a country, by plane, road or sea.

Overall, the health crisis has required a huge effort from our team, especially during the first few weeks of the outbreak, and has led to a strong mobilization of CartONG's volunteers who have supported the manual update of the platform for several months, before the process could be semi-automatized. At the peak of the crisis, 17 volunteers were updating daily the information of 683 airports and 95 countries.



First dashboard built on AGOL



Travel restrictions and international airport statuses showing on the second dashboard coded with the framework Vue.js

Towards the end of 2020, we also started digging a bit more into the ESRI.js and Angular technology in order to be able to decide on our taking over the GeoMSF web maps, or not. Web technology is an important topic and area of expertise at CartONG, and having invested quite a lot of time and energy in the past few years in using open-source javascript frameworks, we decided not to move to ESRI.js to support MSF. MSF, itself, in collaboration with CartONG, will now assess the relevance of the different web technologies and will decide the one they wish to use for the next few years.

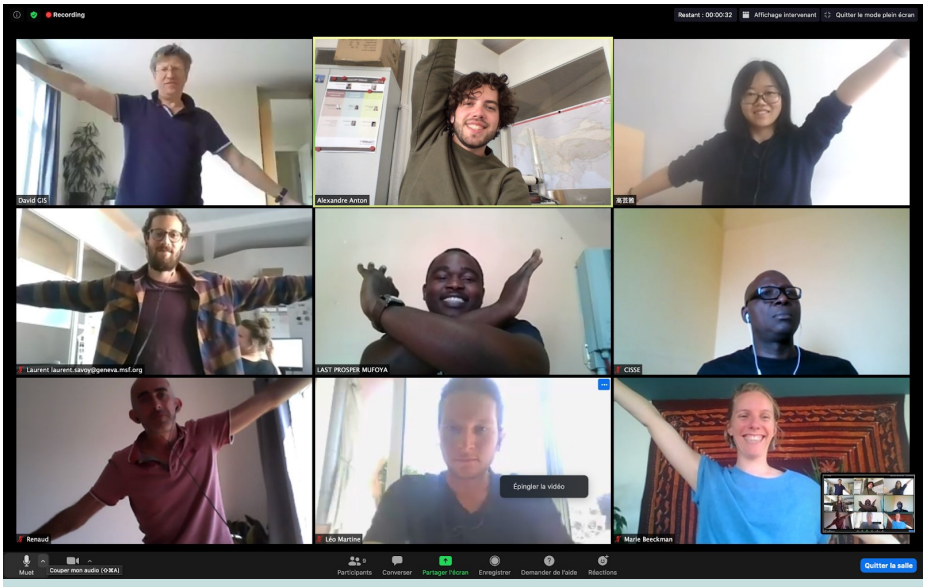
OUR ACTIVITIES

Data Management

As 2020 was the final year of the GeoMSF program, the main objective in terms of data management for this year was to keep a strong collaboration with the GeoMSF team for both support and absorption of the activities. Other objectives included: i) stabilizing the usage of the MSF Geospatial Master Database to make it more useful for the entire MSF movement (including for the implementation of the OSM synchronization workflows, for opening access to the database to MSF's GIS specialists, for facilitating interactions with the GeoApps and for improving the quality of the health datasets), as well as ii) supporting sector needs in terms of geospatial data and iii) assessing the interest of strategic partnerships, direct access to external datasets or integration in the Master Database. Editions from the field were tested in two countries - Senegal and Zimbabwe. As part of the mandate of the GeoMSF program, two external applications deployed in MSF (DHIS2 and Ops Dashboard) were also plugged in and can now use the data from the Master Database.

Training, missions & field support

In 2020, we provided remote support to MSF's teams deployed in various contexts. In total, we accompanied 7 field missions covered by 5 GIS specialists from our headquarters. We also supported 10 long-term GIS specialists on building capacity and sharing their work within the organization. Our training offer got reduced due to the COVID-19 situation and we only ended up facilitating one GIS training session. For the third consecutive year, we also organized the GIS Week - this time online on Zoom and spread over a course of 8 weeks; an opportunity for all MSF GIS staff to meet up to share good practices and receive training on new tools and processes. As part of our daily services, we also provided technical support on demand. Additionally, in line with the GeoMSF program, the use of ArcGIS online applications, webmaps, webapps and dashboards was also improved and required strong technical support from our side.



Session organized online during the 2020 GIS "Week"

1 GIS training

2 rush modes to support the conflict in Azerbaijan and the COVID crisis

130 requests and 300 maps produced on 41 countries

OUR ACTIVITIES

IM support for UNHCR

35 staff

Budget of 508,940€

Global (all countries of operations of UNHCR)

About the partnership

Having signed a multi-year partnership in 2019, 2020 saw the continuation of the same partnership with only slight changes to the budget and the way the agreements were packaged together as UNHCR underwent an organizational restructuring. The partnership involved the Global Data Service (GDS) through its Operational Support and Service Section (ODSS), as well as the Division of Resilience and Solutions (DRS) with its integrated sections Public Health, Nutrition, WASH and Livelihood and Energy.

Crosscutting COVID-19 activities

When the pandemic started to spread in 2020, UNHCR saw the need of assessing the preparedness of the respective countries at country-, site- and urban situation level and displaying the results together with the People of Concern figures and the overall Country Case figures on a single dashboard. Additionally, the Public Health section wanted to pull in data from the Balanced Score Card health Facility Assessments it had been supporting for several years. In order to pull it off quickly, we opted for developing an ESRI-based dashboard which was enhanced with Python scripts to display the additional requested data. The health facility coordinates collected through the Facility Assessments were turned into a GIS feature service in order to make them ready for display in other systems too. The dashboard (find more details in the following pages) also came with documentation on how to update certain fields, on how to make use of the scripts and also read in the data in other systems.

UNHCR Global Data Service

28 staff for a budget of 171,668€

Bangladesh, Iraq, Jordan, Myanmar, Nigeria, South Sudan, Zambia and Zimbabwe

Data integration, collection and related processes

As in previous years, CartONG has actively continued supporting refugee site mapping. CartONG hosted a total of 38 remote mapping sessions (or mapathons) and data quality control sessions to map refugee sites in South Sudan, Sudan, Myanmar and Ethiopia. In most cases, the sites were chosen according to the priority expressed by the UNHCR Shelter and WASH (Water and Sanitation) sectors but also based on support requests from the field. More than 700 volunteers spent around 700 hours online and mapped around 180,000 buildings and 3,800 km of road!

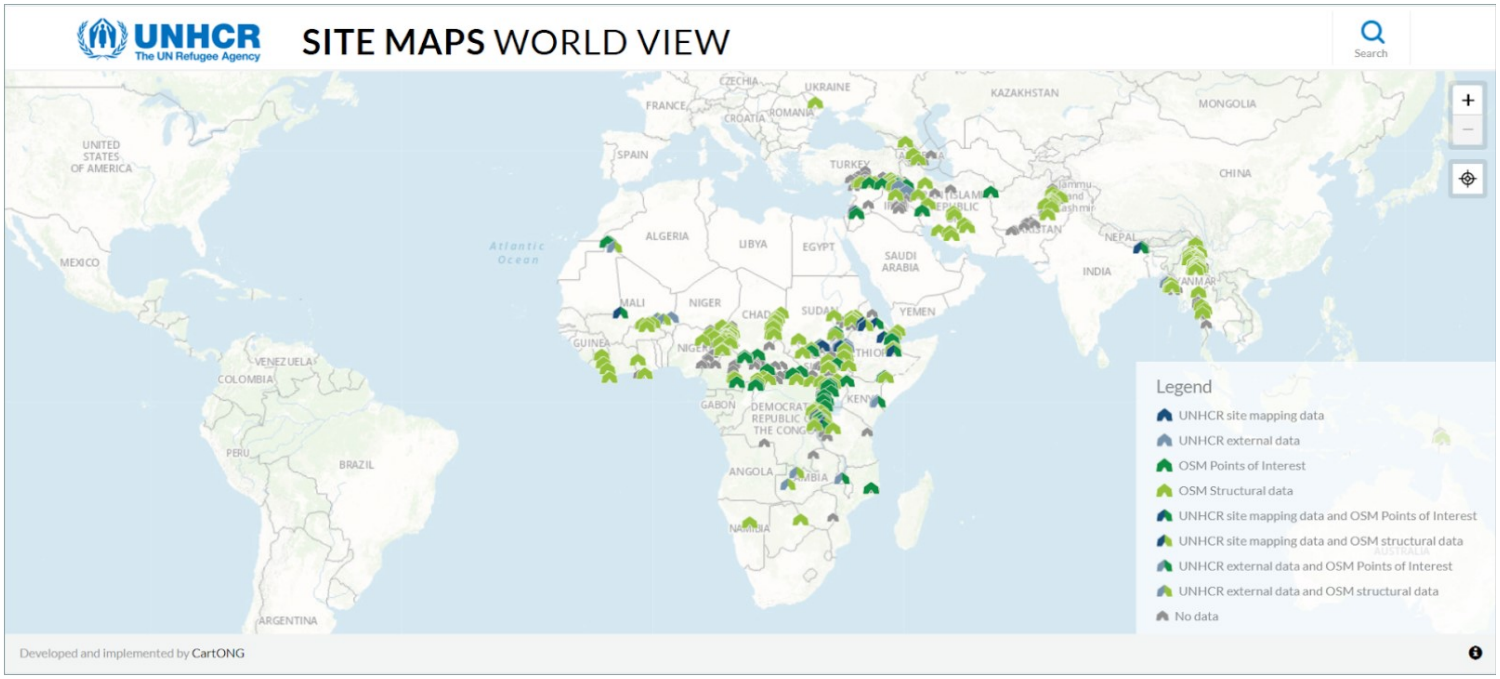
On top of this, the CartONG team integrated data from the REACH consortium into the site mapping database. This year, this integration process has included datasets from 62 different sites covering 5 different countries.

Another achievement within the OSM world is the introduction of the new attribute tag, amenity=refugee_site. Before the existence of this tag, there was no uniform reference style to refugee facilities, resulting in very inconsistent naming and tagging of refugee sites. While the tag was initially rejected by the OSM community, the second attempt went through, and the tag has been used as part of the mapathons ever since. With the existence of a dedicated tag, it is easier to find refugee sites in the OSM database. Also, using this tag for the delineation of the site perimeters, one can also distinguish refugee sites from permanent settlements. This is expected to help automated analysis of the refugee sites, such as the capacity of WASH or health facilities against the resident population. As it is not easy to draw the perimeters of a site unless you are familiar with it, CartONG also developed a Site Perimeter App which allows people to draw the perimeters and have them validated by someone from the field.

Due to the COVID-19 situation and related travel restrictions, CartONG was unable to provide field-based site mapping support. However, CartONG provided full remote support for mapping of refugee sites in the Rakhine state of Myanmar. This assignment included a series of webinars to increase the local capacity in field-based side mapping. Generally, the remote training received highly positive feedback from the participants, demonstrating the ability of CartONG and UNHCR in adapting their practices to the COVID-19 context.

Site Mapping web app

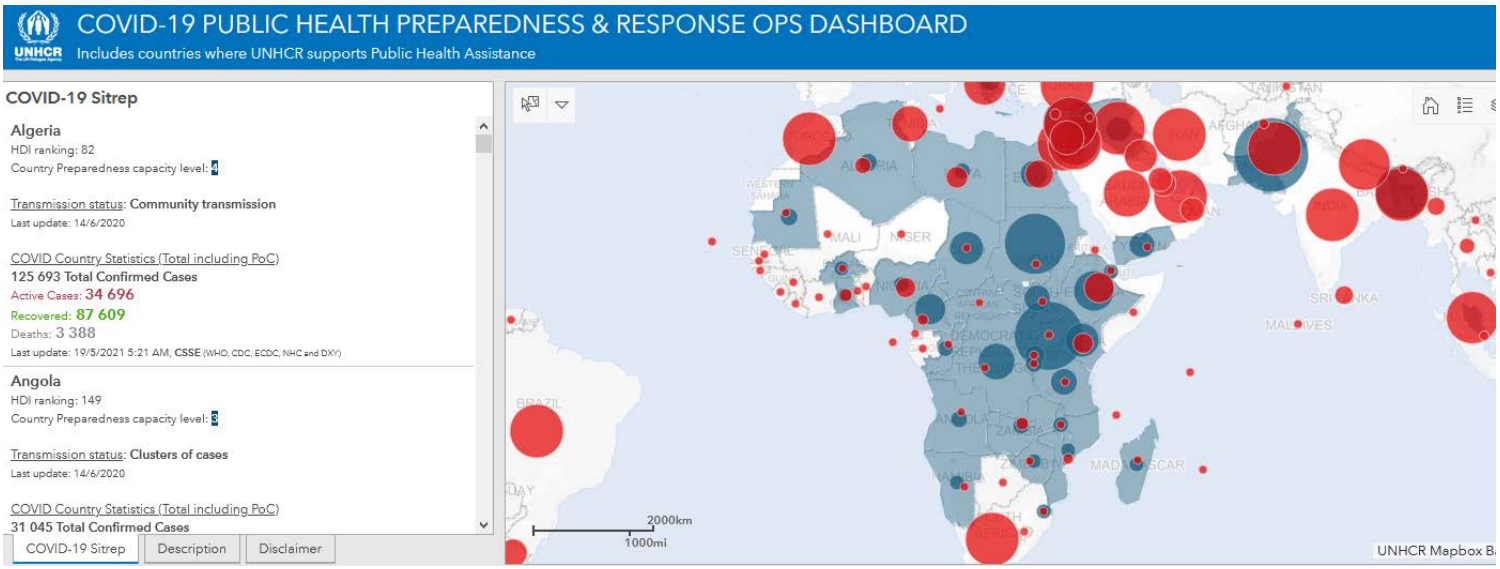
CartONG continued to enhance the site mapping web app with an improved symbology differentiating the type of data available at World View for a given site. This has been facilitated by the work of the volunteers that helped to manually classify the sites. In future, this step is meant to be automated.



OUR ACTIVITIES

eSite project

Among the eSite focus areas of 2020 was improving the guidance. As with many other CartONG assignments, the eSite project was also affected by the COVID-19 crisis and the related support request. In March 2020, during the first wave of the COVID-19, the UNHCR Public Health team requested the CartONG team to build a dashboard monitoring the situation in refugee contexts. In addition to the case data, this dashboard features field data on COVID-19 preparedness filled at country, field and urban level as well as the Balanced Score Card Data collected at the health facility level. The dashboard was built on ESRI technologies and Python scripts were written to pull the data into the dashboard and turn aspects of it into a GIS feature service. The data can now be harvested also for other dashboards and has been integrated into the WASH dashboard developed by the WASH team.



On eSite, CartONG researched and tested ArcGIS Hub functionalities as well as made further suggestions on how to stratify the user roles. CartONG also continued to build the Borehole application, which is cross cutting with the work conducted in support of the Public Health team and will be described in the following pages of the report.

183,043 shelters and buildings mapped

3,895 kilometers of roads mapped

38 mapathons and data quality control sessions

50 refugee sites mapped

A new attribute tag introduced on OSM

OUR ACTIVITIES

UNHCR Division of Resilience and Solutions

20 staff for a budget of 337,272€

Angola, Argentina, Bangladesh, Burkina Faso, Cameroon, Chad, Costa Rica, DRC, Djibouti, Egypt, Ethiopia, Ghana, India, Ivory Coast, Jordan, Kenya, Liberia, Malawi, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Panama, Rwanda, Senegal, Somalia, South Africa, South Sudan, Syria, Tanzania, Uganda, Ukraine, Yemen, Zambia and Zimbabwe

In 2020, as part of its support to the Division of Resilience and Solutions (DRS) of UNHCR, CartONG accompanied both the Livelihoods and Energy programs on a global level, and the Public Health, Nutrition and WASH teams in various Information Management tools, products and processes. A few of those are highlighted in this section.

Support to the Livelihood and Energy Programs

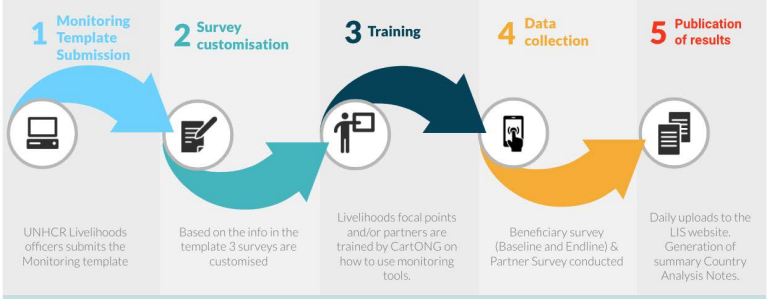
General overview

In 2020, CartONG continued its multi-year partnership with UNHCR, contributing to the global implementation of the Livelihoods and Energy programs – as it has been the case since 2018. This ongoing partnership contributes to a more sustainable and robust production, dissemination and visualization of information within UNHCR. This is accomplished through global indicators, a harmonized approach to monitoring programs, quality assurance and reporting on targeted populations and their access to quality services. As a result, the partnership helps UNHCR produce actionable data on cross-country comparisons and monitor the progress and the impact of both Energy and Livelihoods, Economic and Inclusion programs for refugees.

This year, despite the COVID-19 pandemic and delays in program design, implementation and monitoring across various countries, CartONG supported a total of 38 countries on the use of mobile data collection tools. 32 countries monitored Livelihoods programs and 14 countries monitored Energy programs. Using the monitoring system developed by UNHCR, CartONG supported operations through data collection, ensuring that data submissions made by UNHCR operations to KoboToolbox were analyzed, harmonized, validated and published to the program's Livelihoods and Energy Open data platforms.

Technical guidance and training

Throughout 2020, technical support and training to the field operations focal points on the usage of the Livelihoods and Energy monitoring tools, setting up mobile data collection and verifying data submissions were provided. Remote training was conducted for new operations using the monitoring tools for the first time. In addition, refresher training through online webinars was provided to operations who have been using both Livelihoods and Energy monitoring systems since 2018, but had expressed an interest in reinforcing the local teams' capacity. A total of 189 field officers from Livelihoods and 36 field officers from Energy programs were trained on the use of the Livelihood and Energy monitoring tools respectively.



CartONG supports UNHCR field operations through the entire Livelihoods and Energy monitoring cycle

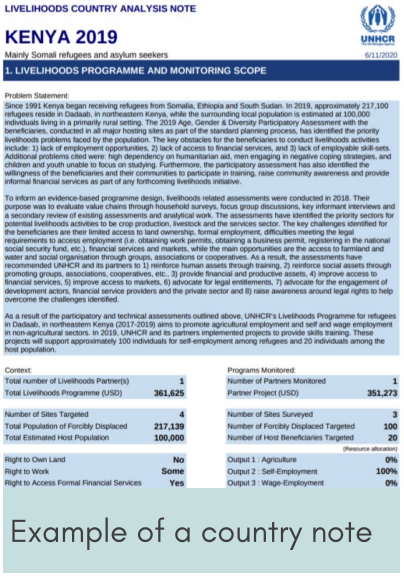
OUR ACTIVITIES

Review of existing procedures and tools, updating of training materials and surveys

We updated the existing training materials and tools with new instructions to reflect the changes implemented on both the Livelihoods and Energy programs. Both the Livelihoods and Energy monitoring template surveys were redesigned and updated with new information helping generate narratives for the annual country specific reports.

Support on data quality check, analysis and reporting

Once the data is submitted by the participating operation, the CartONG's team continues to monitor the data submission progress, while verifying, cleaning and exporting data on a daily basis for each operation to the open data platform. In 2020, we launched a new automated process to draft the narratives that are integrated in the summary reports, referred to within the system as "Country Analysis Notes" (a report summarising each operations project background and results of key impact indicators). CartONG put in place a new automation process that generates automated problem statements based on each operation's monitoring template. As result, a total of 35 Livelihoods and 15 Energy Country Analysis Notes were extracted.



LIVELIHOODS COUNTRY ANALYSIS NOTE

KENYA 2019

Mainly Somali refugees and asylum seekers

6/11/2020

1. LIVELIHOODS PROGRAMME AND MONITORING SCOPE

Problem Statement:

Since 1991 Kenya began receiving refugees from Somalia, Ethiopia and South Sudan. In 2019, approximately 217,100 refugees reside in Dadaab, in northeastern Kenya, while the surrounding local population is estimated at 100,000 individuals living in a primarily rural setting. The 2019 Age, Gender & Diversity Participatory Assessment with the beneficiaries, conducted in all major hosting sites as part of the standard planning process, has identified the priority livelihoods problems faced by the population. The key obstacles for the beneficiaries to conduct livelihoods activities include: 1) lack of employment opportunities, 2) lack of access to financial services, and 3) lack of employable skill-sets. Additional problems cited were: high dependency on humanitarian aid, men engaging in negative coping strategies, and children and youth unable to focus on studying. Furthermore, the participatory assessment has also identified the willingness of the beneficiaries and their communities to participate in training, raise community awareness and provide informal financial services as part of any forthcoming livelihoods initiative.

To inform an evidence-based programme design, livelihoods related assessments were conducted in 2018. Their purpose was to evaluate value chains through household surveys, focus group discussions, key informant interviews and a secondary review of existing assessments and analytical work. The assessments have identified the priority sectors for potential livelihoods activities to be crop production, livestock and the services sector. The key challenges identified for the beneficiaries are their limited access to land ownership, formal employment, difficulties meeting the legal requirements to access employment (i.e. obtaining work permits, obtaining a business permit, registering in the national social security fund, etc.), financial services and markets, while the main opportunities are the access to farmland and water and social organisation through groups, associations or cooperatives. As a result, the assessments have recommended UNHCR and its partners to 1) reinforce human assets through training, 2) reinforce social assets through promoting groups, associations, cooperatives, etc., 3) provide financial and productive assets, 4) improve access to financial services, 5) improve access to markets, 6) advocate for legal entitlements, 7) advocate for the engagement of development actors, financial service providers and the private sector and 8) raise awareness around legal rights to help overcome the challenges identified.

As a result of the participatory and technical assessments outlined above, UNHCR's Livelihoods Programme for refugees in Dadaab, in northeastern Kenya (2017-2019) aims to promote agricultural employment and self and wage employment in non-agricultural sectors. In 2019, UNHCR and its partners implemented projects to provide skills training. These projects will support approximately 100 individuals for self-employment among refugees and 20 individuals among the host population.

Context:

Total number of Livelihoods Partner(s)	1
Total Livelihoods Programme (USD)	361,625
Number of Sites Targeted	4
Total Population of Forcibly Displaced	217,139
Total Estimated Host Population	100,000
Right to Own Land	No
Right to Work	Some
Right to Access Formal Financial Services	Yes

Programs Monitored:

Number of Partners Monitored	1
Partner Project (USD)	351,273
Number of Sites Surveyed	3
Number of Forcibly Displaced Targeted	100
Number of Host Beneficiaries Targeted	20
(Resource allocation)	
Output 1 : Agriculture	0%
Output 2 : Self-Employment	100%
Output 3 : Wage-Employment	0%

Example of a country note

Administration of the open data platforms

We also have administered and maintained both the Livelihoods and Energy open data platforms to ensure real-time information on global indicators, country profiles and training resources are all up to date and easily accessible. In addition, data quality assessments of both platforms were conducted to verify the accuracy of the values calculated and displayed. This allowed us to provide recommendations to the platform's developers to fix discrepancies.

System support, maintenance, documentation and bug tracking

We finalized the monitoring system's technical documentation which documents the entire monitoring system scripts. As a result, it is now easier to maintain developers' documentation, keep track of new code changes and easily involve new developers to fix eventual bugs and work on new features. In addition, CartONG carried out research on a more robust system back-end architecture to help improve the current one. We proposed to the UNHCR HQ team the three types of core architectural systems that would enhance overall performance, simplify the architecture, improve data security and allow the easy scalability of the system.

32 countries supported for the Livelihoods program

1 in country training

33 webinars conducted

14 countries supported for the Energy programs

OUR ACTIVITIES

Support to the Public Health and Nutrition teams

Standardized Expanded Nutrition Surveys (SENS)

In 2020, the SENS V3 forms encompassing questions on household demographics, WASH, Food security and Coping mechanisms as well as Mosquito Net Usage and specific individual questions including anthropometry of children under 5 and reproductive women were launched and promoted in a series of webinars. All related documentation was updated as well and the improved way of flagging the Z-Score directly in the MDC form was documented on Github.

Health Access and Utilization Surveys (HAUS)

In the past, the Health Access and Utilization Surveys were administered to understand if refugees, especially in an urban situation, have adequate access to Health Services. Due to the pandemic, the questions on this survey were enhanced and now also encompass questions about nutrition, Water and Sanitation habits, COVID-19-related and education-related questions, as the survey has been set up so that it can be conducted via phone. As travel restrictions took a heavy toll and prevented visiting people in person, this was seen as an alternative way to get some additional information on how families were doing. CartONG was involved in preparing this enhanced version and also coded a version for the Egypt operation which was to be administered early 2021.

Medical Referral Database

In 2020, we coded the bulk of the Medical Referral Database Application, based on the user stories that were developed and had tested them further. Due to COVID-19, the pilots had to be postponed to 2021 but this gave the opportunity to complete all documentation, technical as well as user documentation and test all features with dummy data before the rollout planned for 2021.

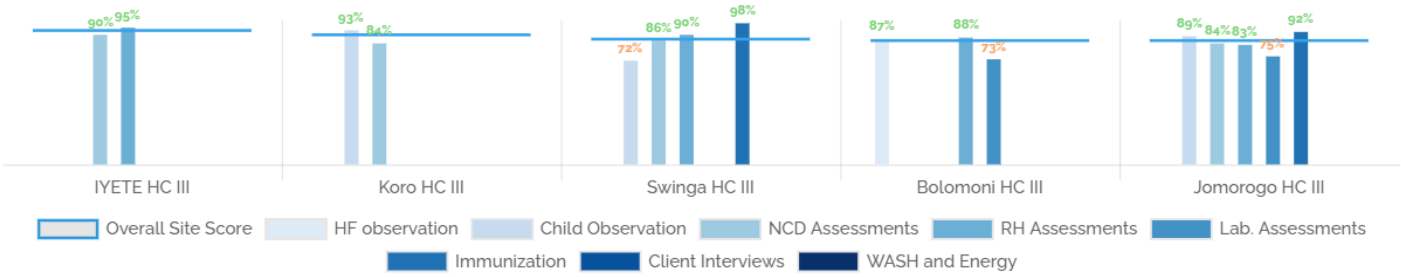
Integrated Refugee Health Information System (iRHIS)

In 2020, the in-country rollout and training of public health staff of the iRHIS platform was called-off due to the COVID-19 pandemic restrictions. However, CartONG provided remote support to update the iRHIS app to the latest released version, helped troubleshoot synchronization issues faced by implementing HIS partners, and supported operations with the completion of the summary reports. Remote support via both email and Skype was provided to 8 countries (over intended target; namely: Burundi, Cameroon, Burkina Faso, DRC, ROC, Rwanda, Kenya and South Sudan). In addition, CartONG supported partners in 4 countries (DRC, Rwanda, Burundi and Kenya) to backup and manually synchronize data to the iRHIS server for a total of 133 tablets.

In May and June 2020, in collaboration with the HQ PHS team, 3 webinars were carried out on the progress of the iRHIS mobile application update, HIS reporting requirements for January to June 2020 and COVID-19 Surveillance. CartONG facilitated the webinars, offering two separate sessions to both the French and English speaking countries on the use of the iRHIS tool, new COVID-19 form completion and data sync issues faced by operations.

Balanced Score Card Dashboard (BSC)

In 2020, a new form assessing WASH and Energy related aspects of the health facilities being visited was conceived and introduced. The form also included questions to assess the hygiene situation in the light of the COVID-19 pandemic. New operations started participating which meant updating the location and health facilities list. The dashboard as well as the pdf converter have been adjusted to cater for this additional data coming in.

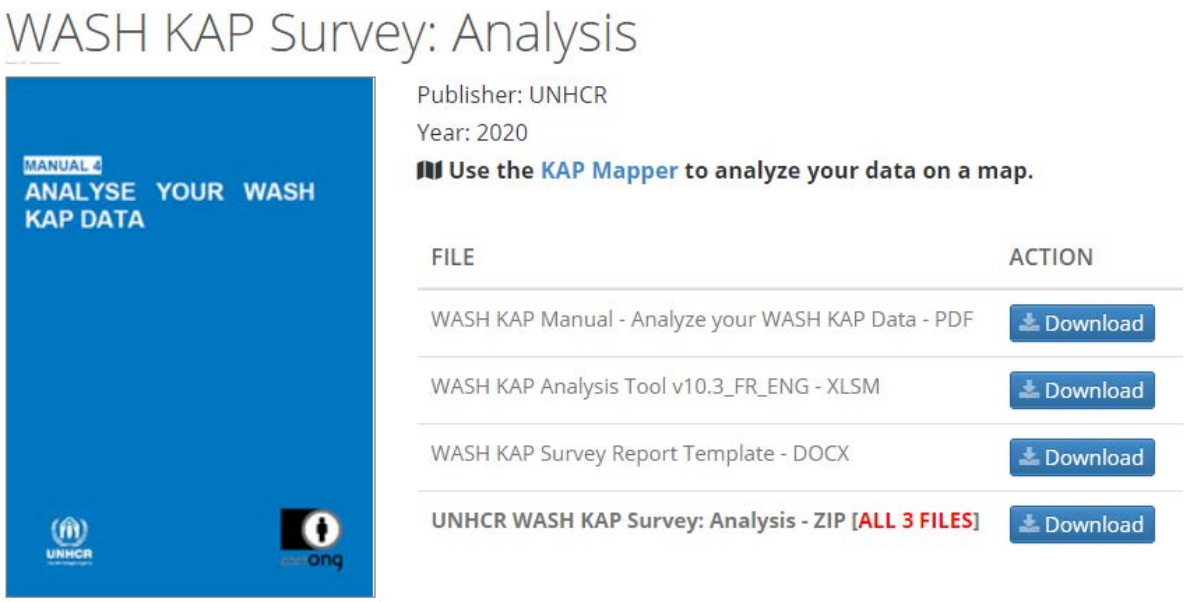


Support to the Water, Sanitation and Hygiene (WASH) team

WASH Kap Survey

In 2020, due to the sanitary situation most of the planned support was delivered through online webinars, focusing on specific aspects of the WASH Kap survey (i.e. Knowledge, Attitude and Practices survey), with some of the countries receiving a full series of the different steps. The hotline which was put in place in 2019 also answered questions and gave support on form adaptations, data cleaning, the analysis tool as well as the rapid Household Survey. At the beginning of the year, CartONG was also able to hold a two-day refresher training in Nigeria which remained the only event offering face-to-face support.

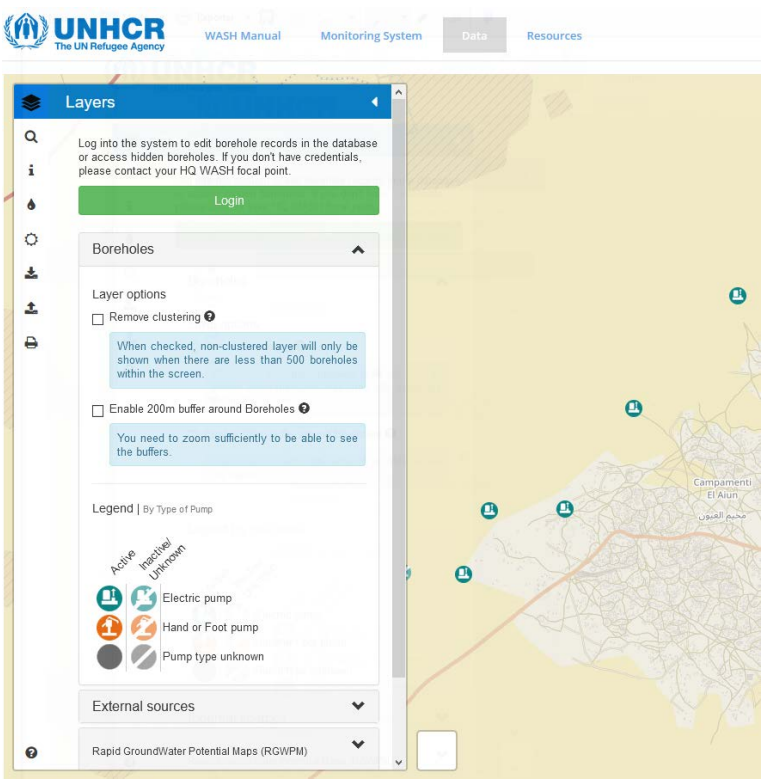
In addition, the WASH Kap Tools were improved, new videos produced as well as some changes to the global forms undertaken to align them to the Joint Monitoring Program. The French documentation was also updated. Last but not least, CartONG supported the creation of two new forms, one of them part of the Balanced Score Card Assessment of Health Facilities and one linked to assessing the water and sanitation situation in schools.



OUR ACTIVITIES

The WASH GIS portal

In 2020, we continued our support to the WASH GIS portal (also called Borehole Database) created in 2016 by our team. The WAHS GIS portal centralizes information about boreholes data in refugee sites.



In 2020, 3 releases were done aiming at improving the application in different ways:

⇒ ensuring interoperability with the Rapid Solar Pumping Assessment Tool (R-SPAT) developed by Renewgies and UNHCR,

⇒ optimizing the performance of the app allowing to display smoothly dozen of thousands of borehole at the same time,

⇒ implementing analytics tools to better understand how the application is used by UNHCR staff and their WASH partner,

⇒ implementing automatic monthly report and alert to allow a regular monitoring of the actions done on the portal,

⇒ improving the design of some features of the app to smooth its use.

New features and ideas are already in the pipeline for 2021 such as un-duplication of boreholes, improved analysis of data, and more.

24 webinars for iRHIS, WASH, SENS, MRD and BSC

29 support and training documentations developed

18 MDC forms created/ overhauled

OUR ACTIVITIES

UNICEF Activations under the LTA

7 staff
Budget of 56,084€
Mexico & The Philippines

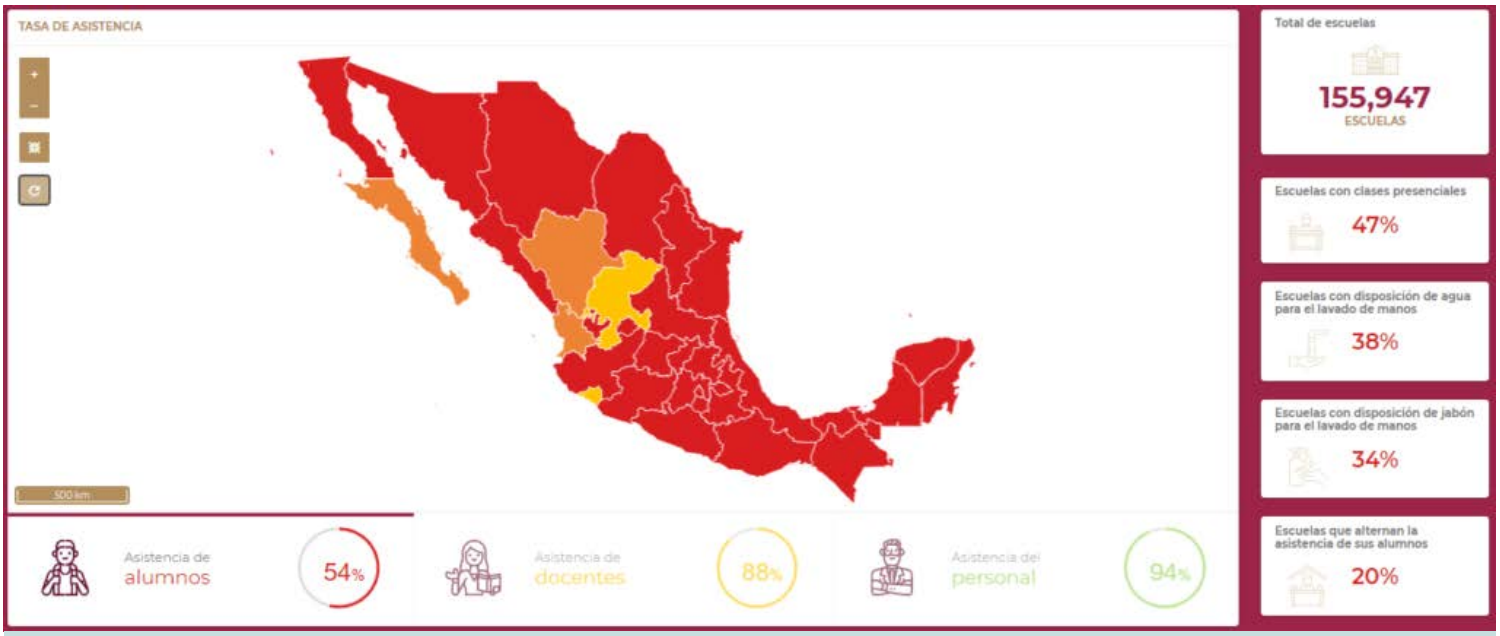
In 2020, CartONG has been working in close collaboration with our partner MapAction to provide GIS & Information Management support to UNICEF around the world on an as-needed basis, as part of our Long Term Agreement (LTA) with them.

Working with UNICEF's headquarters, country offices and partners in different parts of the globe, we focused on helping with geospatial data collection and management, mapping, knowledge management and capacity building.

Mexico activation

6 staff for a budget of 56,084€
Mexico

One of the projects we have been collectively working on with MapAction in 2020 is a dashboard to help educators in Mexico respond to the COVID-19 pandemic. This dashboard which is updated on a daily basis, is a dynamic, interactive visualization of information enabling education teams to monitor changes and identify trends in school attendance following COVID closures. It also provides general information on the state of schools' water and sanitation infrastructure. The dashboard is meant to be public, so interested parents could also consult it.



Screenshot of the dashboard showing sample data

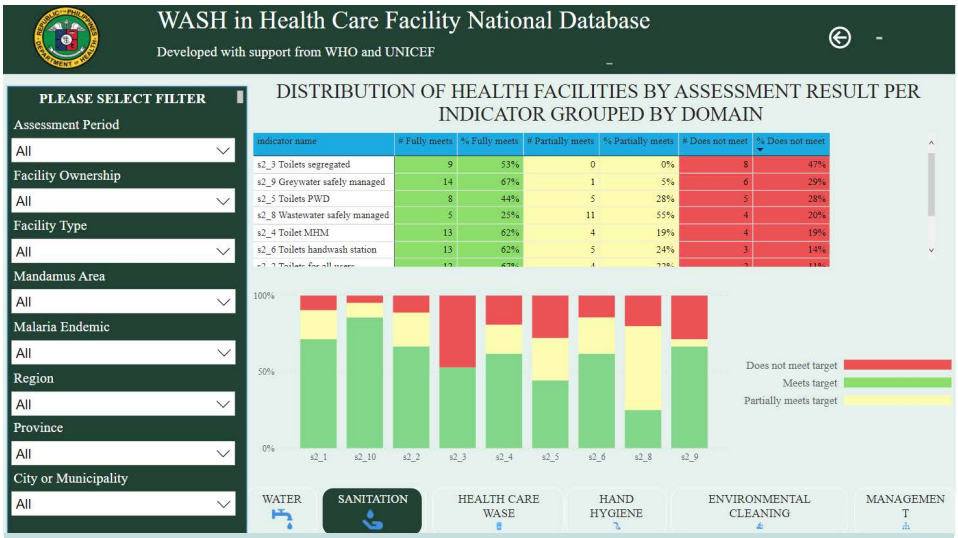
OUR ACTIVITIES

The dashboard is currently in beta. When finalized, it is planned that all teachers across Mexico will have access to it to help them plan and respond to the evolving COVID crisis. As schools have been closed in Mexico, the dashboard will only be launched in 2021 upon opening some of the schools. For this project, CartONG has been focusing on the front end coding of the dashboard as well as on maintaining the infrastructure necessary for the development and the testing, whilst MapAction has been focusing its efforts on providing the necessary scripts to extract the data and working on the architecture to ensure the dashboard remains light weight and performant. MapAction has also been leading the user testing and the quality assurance on the project. The work is still ongoing.

The application can handle 25,000 users per second

COVID-19 hotline

1 staff, budget attributed to 2021
The Philippines



Screenshot of the one of the reports showing on the dashboard, the data displayed is test data only.

Another activation in 2020 was centered around the creation of a COVID-19 hotline for UNICEF operations that need support with aspects that would be considered rather small and hence would not fall under a full new contract. This hotline is managed by UNICEF headquarters in New York. A process has been set up to assess if a request from a UNICEF operation would be eligible under the said hotline.

In the last part of the year, CartONG received a request to work on a PowerBI Dashboard for the Philippines operation. The dashboard aims to analyze and display data assessing the Water and Sanitation situation in Health Care Facilities across the country. The assessment form was created by the Philippines operation with input from the WASH cluster and is hosted on ONA. CartONG's task was to create a data model that would allow to view and filter the WASH ratings based on pre-identified indicators in PowerBi. The work is still ongoing.

PowerBi Dashboard shows 11 public and 4 private reports

OUR ACTIVITIES 2020

IM and GIS support to SI

5 staff
Budget of 23,834€
Bangladesh, Lebanon & Myanmar

In 2020, the support to Solidarités International consisted of two field missions in Asia, as well as GIS support for their operations in Lebanon.

IM support and capacity building in Bangladesh and Myanmar

2 staff for a budget of 22,074€
Bangladesh and Myanmar

In 2020 CartONG conducted a joint support mission for the Bangladesh and Myanmar teams of Solidarités international. Its objective was to help their program teams make better usage of the data being collected and processed in their daily project follow-up, monitoring and reporting. This entailed assessing the current processes, practices and tools being used for data collection and analysis, as well as working on what they wished for in the future. Workshops with sector and M&E teams were conducted to agree on the tools and processes that work best, and support on improving the tools and processes in place. The support provided by CartONG will continue at the beginning of 2021 with finalizing some of the tools and approaches (in Bangladesh) and remote capacity building (in Myanmar).

Key figure: 2 field missions

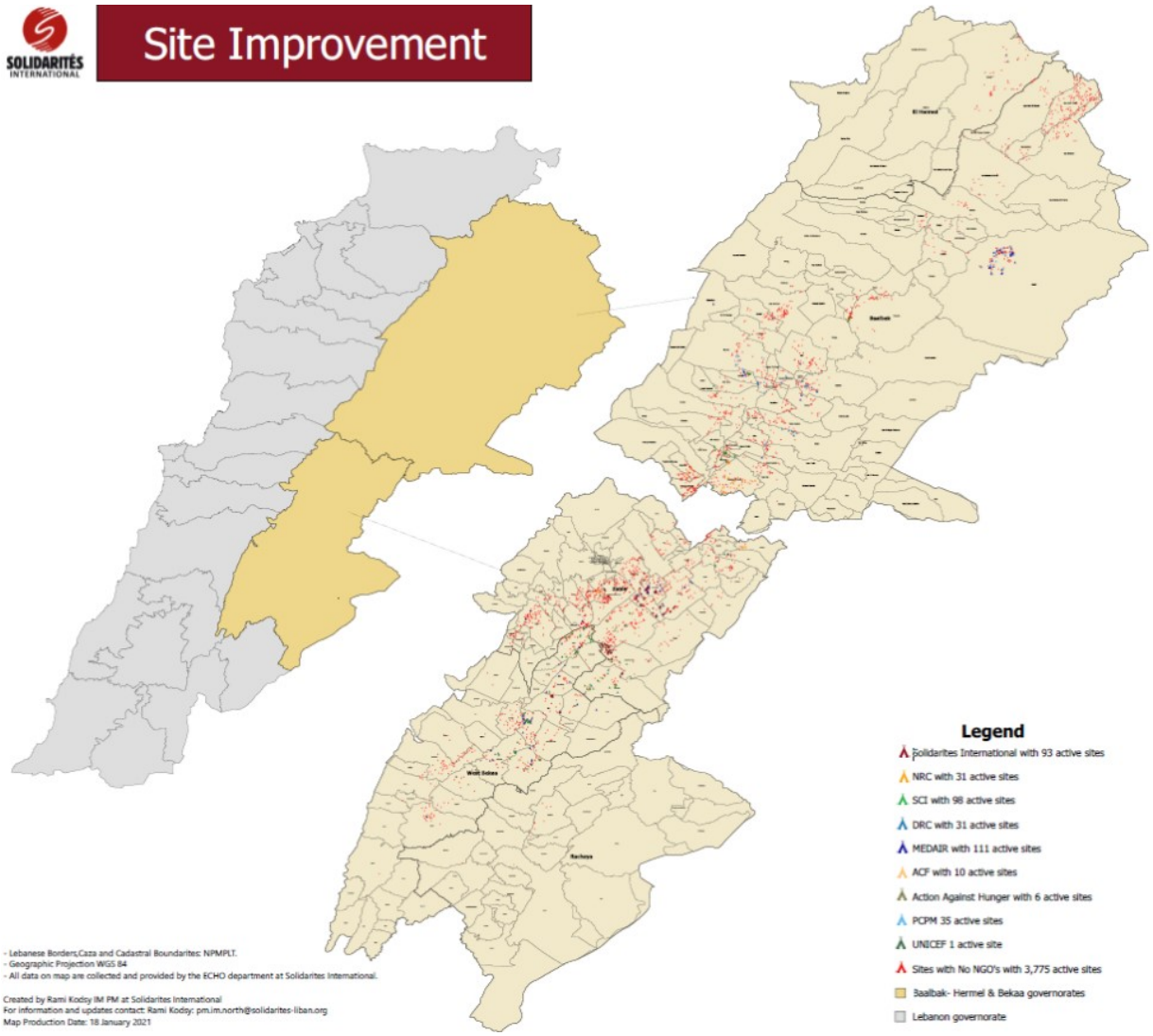
GIS support and capacity building in Lebanon

3 staff for a budget of 1,760€
Lebanon

In 2020, CartONG supported the Solidarités Lebanon mission to launch and reinforce their GIS capacity. Due to the COVID-19 pandemic, the envisaged field mission was replaced by remote support. The project was divided into 3 phrases. The first one aimed at conducting the largest possible user requirements assessment in order to define the best mapping products for the in-country operations. To this end, CartONG organized 3 online workshops resulting in 3 types of maps being identified as a priority for the mission: i) coordination maps to display Solidarités International's activities, ii) maps of the different refugee sites with sector dara, as well as iii) detailed maps outlining flood analysis risks.

In parallel, CartONG's team assessed the local GIS capacity in order to tailor a GIS training course adapted to the staff's current level in GIS and to ensure the knowledge, skills and tools brought by the said training would address operational needs. This resulted in three online GIS sessions on QGIS, data management, and mapping (semiology, style and templates). Finally, part of the support was centered on

the creation of different Standard Operating Procedures in order to accompany Solidarités International's GIS Officer in Lebanon on more methodological aspects, be it the user requirements phase or data management methodologies.



The support of CartONG will continue in 2021, in particular to keep coaching their GIS Officer (see above one of the first operational maps he created). These first exchanges also gave rise to new ideas for GIS tools such as dynamic maps that could be useful to the mission. We still hope to be able to visit the Solidarités International's Lebanon mission, to better understand the local context and respond to the most advanced needs of the mission.

3 maps

3 user requirements workshops

3 training sessions

OUR ACTIVITIES

MDC training for Terre des hommes

3 staff

Budget of 4,050€

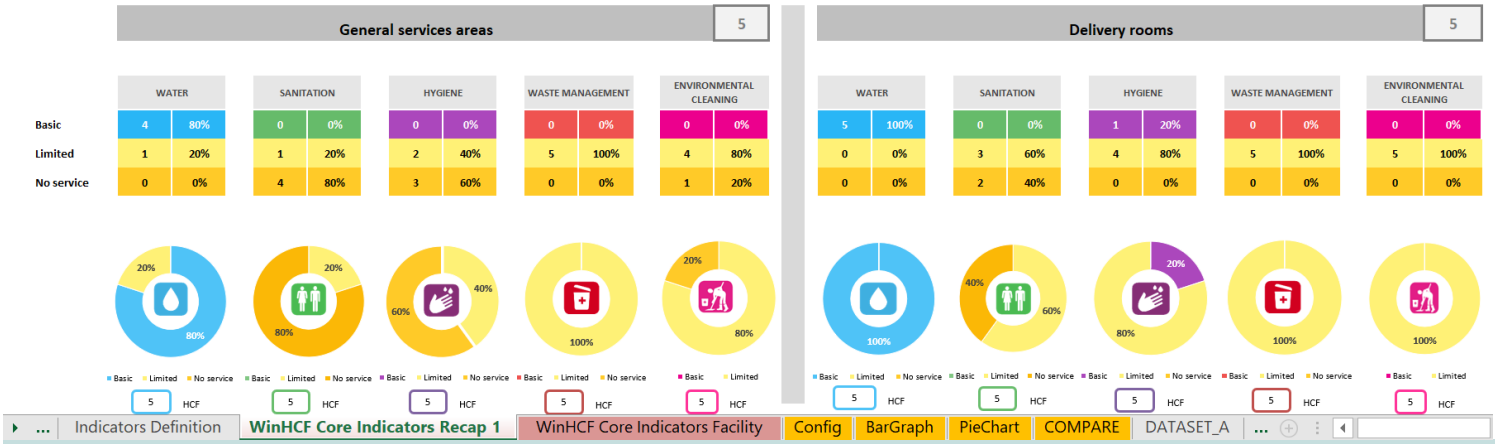
Global (all countries of operations of Tdh)

In 2020, the support to Terre des hommes (Tdh) consisted of training field staff on mobile data collection. 2 different types of raining were organized:

⇒ 6 sessions for beginners which includes general methodological consideration for mobile data collection, discovery of ODK collect and KoBoToolbox platform, and form building.

⇒ 2 sessions for advanced users mainly focusing on the use of the Kobo analyser tool.

Beyond this, CartONG produced a new version of the FACET tools, initially produced with the support of Tdh, based on feedback from the field and ongoing work with the Swiss Water & Sanitation Consortium. The MDC Toolkit was updated accordingly.



Visualisation of the FACET dashboard for health facilities

Tdh also contributed to a case study on call-based surveys in Jordan as part of the COVID-19 IM Help Center.

17 participants for the beginners sessions

38 participants for the advanced sessions

OUR ACTIVITIES

MDC support for Max Havelaar France

4 staff
Budget of 2,640€
Côte d'Ivoire

In 2020, the support to Max Havelaar France consisted of coaching and training the Côte d'Ivoire team on their adoption of the ONA tool for Mobile Data Collection following the 2019 pilot mission by CartONG. We also produced a video to present their use of MDC, and also supported Max Havelaar France and FairTrade International on the reflection on their approach and capacity building in relation to data.

4 webinars on ONA organized

Consolidating relationships

In 2020, CartONG also consolidated its relationship with two actors of the sector, namely MapAction and Action contre la Faim.

⇒ CartONG and Action contre la Faim (ACF) signed a three-year partnership agreement, which aims to develop the use of cartographic products within ACF by making CartONG's mapping service available to ACF's operations.

⇒ CartONG and MapAction, another H2H organization which specializes in providing mapping for humanitarian emergencies, also signed a Memorandum of Understanding. The MoU details the general principles of collaboration between our two organizations around shared goals, mutual commitments as well as more operational aspects on financial and communication cooperation, with the hope that we can amplify each other's work.

OUR ACTIVITIES

7 collaborations with AFD

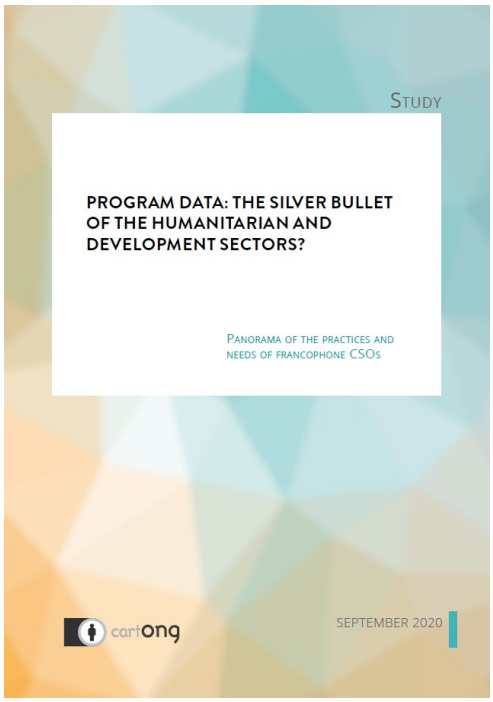
23 staff
Budget of 116,153€
15 countries & global

In line with the multiple collaborations we have had in the past few years with the French Development Agency (AFD), in 2020, we had 7 projects funded by them - 3 of which were in support of their operations, 2 of which just started at the end of 2020 and will be mostly implemented in 2021, and the last 2 being the continuation of multi-year initiatives.

Strengthening IM within francophone CSOs

21 staff for a budget of 70,384€
Global, focus on the French-speaking world

CartONG initiated last year a project aiming at structuring the associative sector (otherwise called "SMA project") with a dedicated focus on strengthening the way Information Management is apprehended by francophone Civil Society Organizations (CSOs) over the 2020-2022 period.



After obtaining co-financing from the French Development Agency (AFD) at the end of 2019, the project concretely began this year. In addition to the usual activities related to the launch of such a project (structuring of governance, finalization of the monitoring plan, design of a communication plan, implementation of administrative procedures), 2020 was mainly marked by the release of an ambitious and in-depth study aimed at assessing and formalizing the practices and needs of francophone CSOs in program data management. This study, based on a survey, numerous semi-structured interviews and a detailed secondary literature review, will serve as basis for the rest of the project. The study was also the subject of various restitutions (webinar, video recap, presentation to some CSOs) and numerous disseminations within CSOs' networks.

In addition to this study, the project has allowed the co-financing and dissemination of numerous technical and methodological resources, including two comparative studies of solutions and a dozen tutorials, with a reorientation of the content of some of the resources due to the pandemic and its impact on data management practices in the humanitarian and development sectors. A first day of experience sharing bringing together more than twenty CSOs was also held at the beginning of the summer and should be repeated every six months for the full duration of the project.

Finally, this year has allowed the preparation of many deliverables that should be released in the first few

months of 2021 in support of the sector, such as a study on the skills and profiles within CSOs in charge of data management, a self-diagnosis tool or even a portal for the dissemination of Information Management resources, without forgetting case studies, new tutorials and other training materials.

"I would like to take this opportunity to congratulate CartONG's team for the recent publication on the deciphering of how Information Management is tackled by francophone CSOs [...]. It is a beautiful document and indeed a pioneering study towards more consideration and structuring of program data management activities. I look forward to contributing further to the reflection on this topic." - *Contact person at Nitidae*

More than 60 organizations interested in the project

15 resources shared

Mapping support to the AFD Sahel regional team

6 staff for a budget of 15,620€
Burkina Faso, Mali, Mauritania, Niger, Senegal

The support provided in 2020 by CartONG to the AFD Sahel regional team was centered on assisting them in the consolidation and harmonization of their project database, as well as capacity building around the production of maps using the said database. Beyond this initial support, various exchanges took place to also help them think through more widely their data-related processes and the potential scale-up of tools.

Key figure: 20,000 project activities of AFD in the Sahel region structured in a database

Evaluation of the PRIQH2 urban project in Tunisia

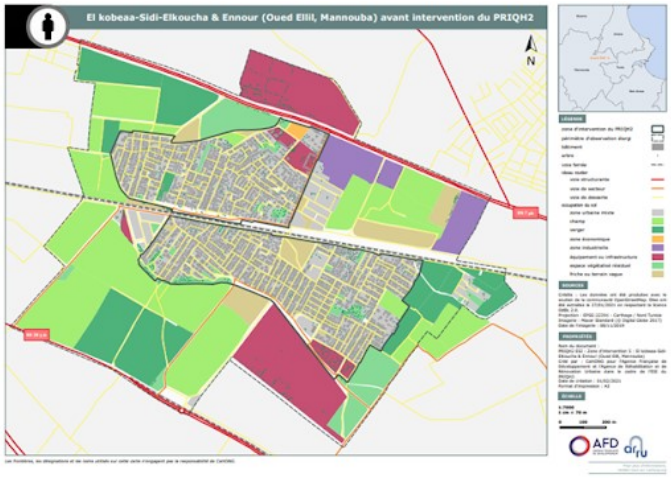
3 staff for a budget of 14,998€
Tunisia

At the end of 2018, CartONG was selected by AFD to participate in the scientific impact evaluation of the Program for the Rehabilitation and Integration of Housing Districts (PRIOH2, a nation-wide program to improve the living conditions of inhabitants in precarious neighborhoods implemented by the Tunisian Urban Rehabilitation and Renovation Agency - ARRU), with the aim of adding a mapping dimension to the program's evaluation methodology. The project will run until December 2022.

For the second year of our involvement on this impact evaluation, we have continued working on two complementary aspects: 1) direct support to the implementation of the assessment using maps as a complementary approach to socio-economic analysis, 2) support to help ARRU's teams build capacity in their use of Geographic Information Systems (GIS).

On the first aspect of our support, we established a tracing methodology, including both basic mapping aspects (buildings and roads created in OpenStreetMap), and more advanced features (linked to land use

created directly in QGIS). The methodology was co-constructed with ARRU, who trained their own team so they could also contribute to the tracing. By the end of the year, 10 areas had been mapped with basic features and 5 with additional data. We have also started analyzing the quantitative data from the tracing and using it in analysis maps and graphs, an endeavor that will continue in 2021 alongside the mapping of 10 additional areas from the "control group" of the project. The objective is ultimately to give a global understanding of the spatial situation in the districts benefiting from the rehabilitation program. Those maps will be updated after the rehabilitation to measure the spatial impact of the program on urban dynamics.



On the second aspect of our support, it is worth noting that in addition to circulating a survey to their specialists, we also managed to organize a mission in Tunis to continue the diagnosis of ARRU's capacity in terms of GIS. However, the pandemic has significantly slowed down the communication between our two organizations and we therefore have not managed to organize the workshop that was planned to define a capacity-building strategy with them - a step that was thus postponed to 2021.

Last but not least, in February 2020, we also co-organized with the local NGO Carto-citoyenne a mapathon in the Université franco-tunisienne pour l'Afrique et la Méditerranée that gathered 50 participants including ARRU's employees, some students and some members of the local OSM community.

One mission conducted to assess ARRU's GIS needs

First set of 6 maps created

10 neighborhoods mapped for the baseline study

WASH data collaborative project in DRC

2 staff for a budget of 12,070€
DRC

After organizing the inception workshop of the project at the end of 2019, we had planned follow-up activities including a field pilot and a second workshop in 2020. However, the pandemic has not allowed us to continue the activities as planned, blocking the possibilities to organize events as well as to deploy in the field. After discussions and given the delays, we agreed with AFD to cancel the final activities and to close the project. We will thus not have managed to fully explore the concept as initially envisioned, but we hope the learnings from the situation assessment produced during the workshop will nevertheless be useful for future activities in the field in DRC. Final dissemination of the findings and follow-up activities will be completed early 2021.

OUR ACTIVITIES

Mapping support for AFD

3 staff for a budget of 3,080€

Tunisia

This project consisted in the production of 5 maps to report on AFD's support in Tunisia between 2011 and 2020. In addition to the exported maps, the goal was to provide QGIS projects to the team so that they can easily update the maps themselves.

Key figure: 5 maps done

Mapping support to AFD in the Gulf of Guinea

2 staff, budget attributed to 2021

Benin, Ghana Guinea, Ivory Coast, Liberia, Nigeria, Togo

The request for mapping support in the Gulf of Guinea was inspired by the work done in support of the AFD Sahel regional team. For now, only the kick-off meetings took place. Most of the work will be conducted in 2021 and will include the creation of a database, the production of around thirty maps and a mapping training for the AFD referents of each country.

Key figure: several kick-off meetings organized

Support for the framing of an accountability mechanism for AFD funded projects in Africa

4 staff, budget attributed to 2021

France (support to Headquarter, operations based in Africa)

Implemented in collaboration with

Groupe URD

Urgence . Réhabilitation . Développement

In 2020, CartONG started to support the AFD Africa Department to strengthen their bottom-up accountability systems. Indeed, AFD is looking to consolidate indicators using data reported directly by their partners in the field. On this project, CartONG is working jointly with Groupe URD to propose a series of indicators as well as a scenario for their Information Management system to ensure the reporting of the said indicators. The work will continue in 2021.

Key figure: one kick-off meeting and one steering committee meeting organized

OUR ACTIVITIES

4 collaborations with the H2H Network

25 staff

Budget of 64,600€

DRC, France, Germany, Honduras, India and US

h——h
H2H Network
Humanitarian Action Support

For the first time ever in its history, CartONG had 3 projects funded by the H2H Network, to which our organization is a member of, while a fourth was approved and started at the end of 2020 and will be mostly implemented in 2021.

IM COVID-19 Help Center

15 staff for a budget of 41,095€

Support to Headquarters located in the US, Germany and France, and to field teams in France, India and Honduras

With the support of

UKaid from the British people

In collaboration with

Groupe URD
Urgence . Réhabilitation . Développement

Thanks to funding from the H2H Network's H2H Fund, the latter supported by UK aid from the UK government, CartONG set up a COVID-19 IM Help Center in May 2020 through which our team offered support to humanitarian, development and social action organizations in order to help them adapt their Information Management Monitoring & Evaluation systems to the pandemic. The support provided by the Help Center was two-fold.

On the one hand, we provided direct pro bono support to NGOs addressing specific data-related requests at headquarters or in the field. The requests were centralized via a hotline, and covered a broad range of topics, among others adapting Mobile Data Collection questionnaires to remotely managed surveys, as well as creating dashboards or dynamic maps. The Help Center also opened the possibility to conduct capacity-building events and online training sessions in order to support new ways of collecting and managing data while remote working.

On the other hand, CartONG also provided more global support to the sector through the release of technical and methodological guidance and feedback resources aiming at improving Information Management efficiency during the crisis. To ensure the appropriation of such resources by operational NGOs, it was important to keep them as practical as possible, hence the fact they include several ready-to-use guidance documents, simple benchmarks for tools, as well as case studies.

A FEW LEARNINGS FROM THE COVID-19 CRISIS AND ITS IMPACTS ON INFORMATION MANAGEMENT PRACTICES IN THE AID SECTOR:
IMPROVING INFORMATION THROUGH INCLUSIVE PROCESSES AND CAPACITY BUILDING

WHAT DIGITAL SOLUTIONS FOR FEEDBACK AND COMPLAINT MECHANISMS?

OUR ACTIVITIES

The project was implemented with the support of Groupe URD, who provided its expertise on Monitoring, Evaluation, Accountability, and Learning (MEAL) issues. As part of this initiative, CartONG also worked with other H2H organizations – HOT, MapAction and Translators without Borders – to provide the best support possible to the sector as a whole.

Key figures: 19 partners support and 6 capacity building events

Mapping support for a pilot project funded by the H2H Network

3 staff for a budget of 18,920€
North Kivu, Democratic Republic of the Congo

To support the pilot project of

As logistics analysis is key to organize humanitarian response during and after any man-made or natural disaster, as it was the case for the COVID-19 pandemic, ATLAS Logistique – HI-AL (the Operational and Technical Division of HI – Humanity and Inclusion) requested support in 2020 from CartONG, as part of a H2H Network funded pilot project it was implementing in North Kivu, in order to map and analyze: i) the on-site humanitarian response and its needs in terms of supply chain through the study of humanitarian flux, and ii) the logistics vulnerability of the said area. After several weeks of data collection conducted in the field by Atlas Logistique, our team produced a series of maps to display key logistical and supply indicators, such as road network status or supply flow to markets.

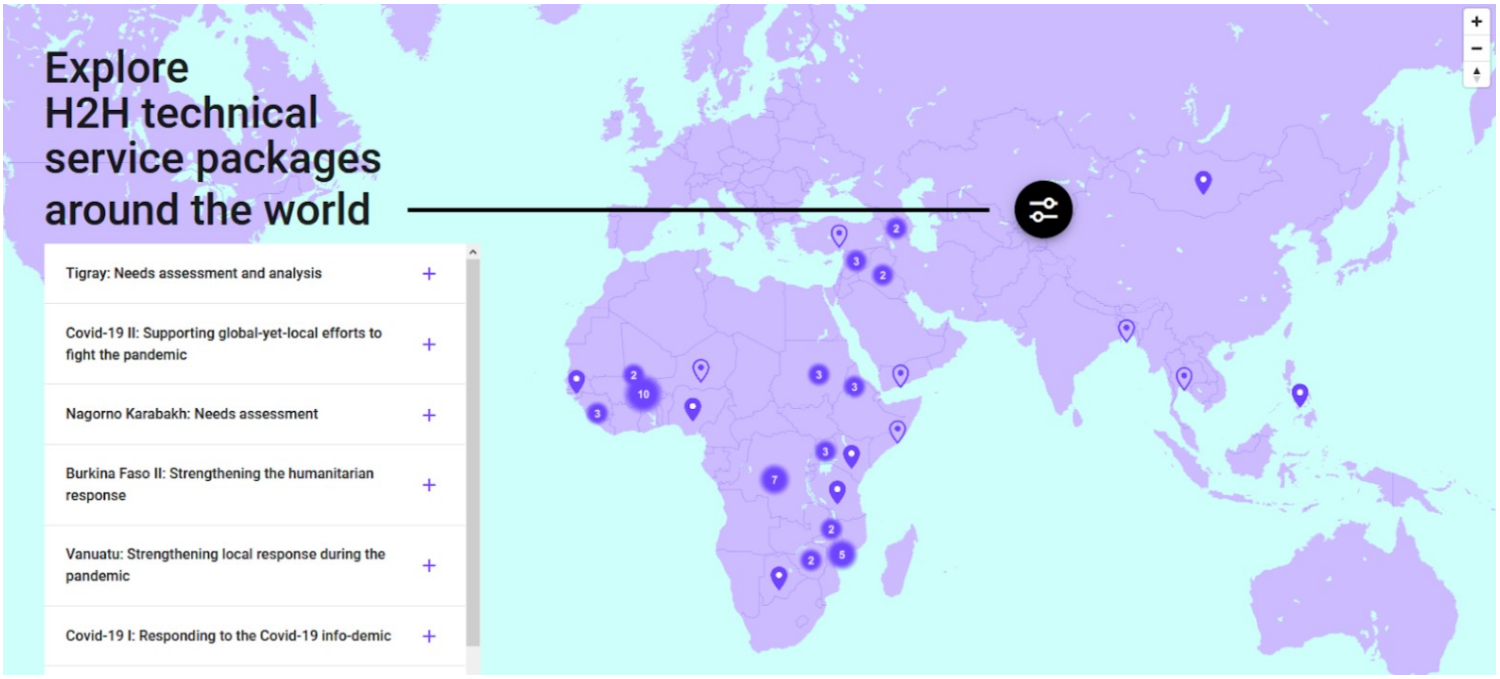
Further support will be provided by CartONG to Atlas Logistique in 2021 to help their team develop the specifications of a map-oriented dashboard in order to promote the 'logistics vulnerability' concept and its related indicators through an attractive and intuitive visualization tool.

Key figure: 16 maps done

A dashboard to support the H2H Network's advocacy work

4 staff for a budget of 8,416€
Global

Over the summer of 2020, the H2H Network contacted us to discuss how CartONG could support the network's advocacy work by showcasing the activations it funds, as part of the launch of their new website. After clarifying the needs with their team, we suggested developing a web map that would display both the data about the activations and their location on a world map. The request was pretty straightforward from a technical point of view but came with several constraints for our web development team: a short timeframe to develop the web map so it would be available shortly after the release of the new website planned in August, the need to uphold the ambitious new graphic design of the network's website developed by a third-party service provider, and the ability to build a database that could be easily updated by non-technical staff without required a lot of training.



Thanks to our now seasoned web development process, we managed to design a mock-up for the tool, adapt it to the feedback of the partner, integrate it on the website and release it in only 4 weeks. We re-used our well-mastered technical stack with JavaScript, building the database with Google Sheet to make it very easy to update. The tool had to be responsive and pushed our designers to some ingenious ideas to display all the information required in an ergonomic way.

After some last fixing and the writing of the guidance documentation for the H2H Network's team, the overall request was completed in less than 2 months, and is now routinely used by the H2H Network for all of their activations. CartONG is pleased to have been given the opportunity to support the network's core functions.

Key figure: 4 weeks to develop v1

Upcoming remote IM & M&E training with Groupe URD

5 staff, budget attributed to 2021
Global

With the support of

UKaid from the British people

In collaboration with

Groupe URD Urgence . Réhabilitation . Développement

Thanks to funding from the H2H Network's Get Ready Fund, the latter supported by UK aid from the UK government, CartONG and Groupe URD are developing a combined MEAL and Information Management training offer targeted at humanitarian staff operating in emergency settings. This online training will aim at providing the participants needs of field teams to be relevant to the widest audience possible - especially given the COVID-19 pandemic context. The development of the training offer started in late 2020 and will be finalized by the end of May 2021.

OUR ACTIVITIES

2020 GeOnG Forum

32 staff and
6 volunteers
Budget of 48,490€

GEONG

Nov. 2-3, 2020 Online event

THE 7TH HUMANITARIAN & DEVELOPMENT DATA FORUM

Despite the health crisis, CartONG went ahead with organizing the 2020 GeOnG Forum, which took place online from November 2nd to 3rd. This edition was centered around the theme "People at the heart of Information Management: promoting inclusive and responsible practices", with the pandemic and its impacts on the information and data management practices of the sector being discussed in most of the sessions. The seventh edition of the Humanitarian & Development Data Forum generated great enthusiasm from the aid community, deprived for most of the year from some of its usual gatherings, with 373 participants from over 250 organizations attending, and 92.1% of the participants being satisfied with the program and organization of this first ever online edition.

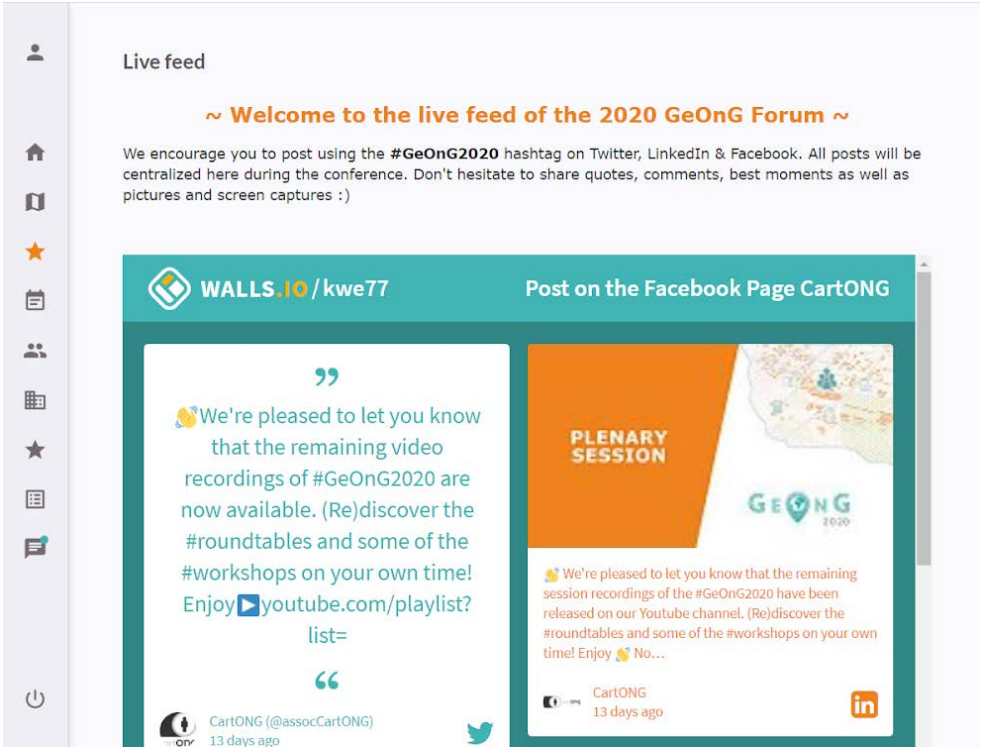
With the virtual format, CartONG decided to make most sessions accessible for free to all registered participants, with only the webinars being restricted to a smaller audience, against a small fee, to offer a satisfying learning environment. To ensure the forum would be as inclusive as possible, CartONG also reserved some of the advanced tickets for Global South actors so they could access the workshops for free. In total, CartONG organized 30 live sessions, including 10 roundtables (on a wide range of topics such as informed consent, data literacy, data algorithms and inclusiveness, privacy vs. accuracy in GIS data visualizations, etc.), 18 workshops, a COVID-19 experience-sharing session with the support of the H2H Network and a Fail Fest.

Given the virtual format, we also opted to pre-record the lightning talks with the support of the speakers - which had the added benefit of allowing us to cover more topics than usual. In total, 19 lightning talks were made available in the video library set up onto the platform of the event, with most of them being released on CartONG's Youtube channel following the end of the event. All in all, quite an achievement for our organization!

OUR ACTIVITIES

One of the main highlights of this year's edition was the plenary session with the participation of Ben Parker, Senior Editor at The New Humanitarian, as guest speaker. An enthusiastic, heartfelt, at times voluntarily provocative intervention to launch the 2020 GeOnG forum! If you have missed it, you can watch it here or his post-event column here.

Overall, the 2020 edition of the forum was a great success, with, unfortunately, less interactions between our staff team and our volunteer community than in previous years, due to the virtual format of the event; but with a wider, more diverse audience than in past editions! We invite anyone who could not attend the forum to discover the recordings of the sessions on our Youtube channel. We are now looking forward to the next edition in 2022, and are cordially inviting our partners and any organizations that may be interested to get in touch with us at: geong@cartong.org



Thank you to the sponsors!

Thank you to the 2020 GeOnG sponsors, in particular our Diamond sponsor: the French Development Agency (AFD), our Platinum sponsor: ESRI, our two Gold sponsors: ActivityInfo and DPO Consulting Sud-Est, and our two Silver sponsors: Bazze and INSER.

We also would like to thank our Silver sponsors: Bluesquare, Geomatik Karaib, ImpactAtlas, RSM Audit Savoie Conseil and Geodesk. Thank you as well to the Credit Cooperatif and Ville de Chambéry, and to our Media sponsor, Alternatives Humanitaires. Learn more about the 2020 GeOnG sponsors on our website.

373 participants

2 online GeoEnigmas

200 people attended the plenary session

51 session topics

OUR ACTIVITIES

Participatory mapping projects

6 staff
Budget of 17,588€
8 countries

Missing Maps project

6 staff and 842 participations of volunteers for a budget of 7,988€

Burkina-Faso, Cameroon, Haiti, Madagascar, Mayotte, Myanmar, Togo (remote) and Tunisia

In 2020, the Missing Maps project carried its support to various participatory mapping projects, both for some of our larger partnerships and for smaller-scale initiatives, while we continued strengthening our tools and volunteer team.

In particular, we kept supporting refugee camp mapping on OSM for UNHCR (see dedicated section p. 15). Our community of volunteers helped map 21 refugee sites on OSM in Sudan, Ethiopia, South Sudan and Myanmar. We also contributed to improving the localization of refugee sites on OSM by creating a new tag. Following the approval of this tag, CartONG led a global effort to update the location and referencing of more than 280 sites on the map. In addition, CartONG started to document dedicated OSM wiki pages presenting its activities and contributions linked with OSM in compliance with the OSM organized editing process, starting with the collaboration with UNHCR; but it will, eventually, be extended to all our activities. In 2020, our team also mapped 2 refugee sites in Myanmar for Solidarités International, the data being used in more advanced remote sensing outputs (please refer to the dedicated section p. 25). In addition, part of our activity concerned the creation of data on several zones in Tunisia as part of the evaluation of the PRIQH2 project for AFD (see dedicated section p. 30).

We also supported several smaller partners with their mapping needs:

⇒ We started a new step in our collaboration with Yaam Solidarités and OSM-Burkina Faso, supporting them with a strategic approach on IM and participatory GIS to facilitate map production and their usage.

⇒ We supported the cooperation of Pays de Savoie solidaires with Dessalines (Haiti) for the follow-up of their WASH activities, the data being used by volunteers for map edition.

⇒ We conducted a test with Hydrauliques Sans Frontières on population counting for a water adduction project in Douala (Cameroon).

⇒ We contributed to the mapping of the project MapATI project in Togo, supported by CartONG as part of the AMI mechanism funding projects lead by our volunteers (see p. 55 for more info).

⇒ We anticipated the start of an upcoming project on food security in Madagascar with Secours Islamique France with base map data creation.

OUR ACTIVITIES

Our activities were obviously strongly impacted by the pandemic, with the need to stop organizing in-person mapathons from the month of March until almost the end of the year. This situation nevertheless allowed us to reinforce our remote activities planning, with the setup of a weekly remote mapathon on top of the existing weekly validation session, and several specific remote events organized throughout the year - including the OSM GeoWeek. However, the 2020 edition of the GeoNight - an event to which CartONG usually takes part, was cancelled because of the pandemic, but it will start again in 2021! The health crisis also reinforced our core contribution team, and generated a strong volunteer dynamic throughout the whole year.

In 2020, we also continued our long-term effort to improve our internal documentation and training processes, in particular our Missing Maps volunteer handbook while participating in the production of crosscutting resources for our volunteers (map edition, map styles, simple web mapping, etc.). We also collaborated with other Missing Maps members on adopting the new Tasking Manager v4, adapting our practices to the remote situation, and exchanging on good practices. Finally, we put a strong emphasis on strengthening links between our various participatory mapping methodologies to advance towards a comprehensive package of activities adaptable to different contexts that includes participatory remote mapping, field data collection, subjective mapping, and utilizing the information with and in support of communities.

33 projects showing on the HOT Tasking Manager in 12 different countries

More than 1180 volunteer contributions

65 online and on-site mapathons organized

50 refugee sites mapped

Thanks to our corporate partner Arvalis for its support, which is critical to fund these learning and volunteer team coordination activities!

ARVALIS Institut du végétal

The Missing Maps project is implemented with the support of Service civique and the Fonds pour le Développement de la Vie Associative of the French Ministry of Education & Youth.

SERVICE CIVIQUE Une mission pour chacun au service de tous

Liberté • Égalité • Fraternité RÉPUBLIQUE FRANÇAISE
MINISTÈRE DE L'ÉDUCATION NATIONALE ET DE LA JEUNESSE
FDVA FONDS POUR LE DÉVELOPPEMENT DE LA VIE ASSOCIATIVE

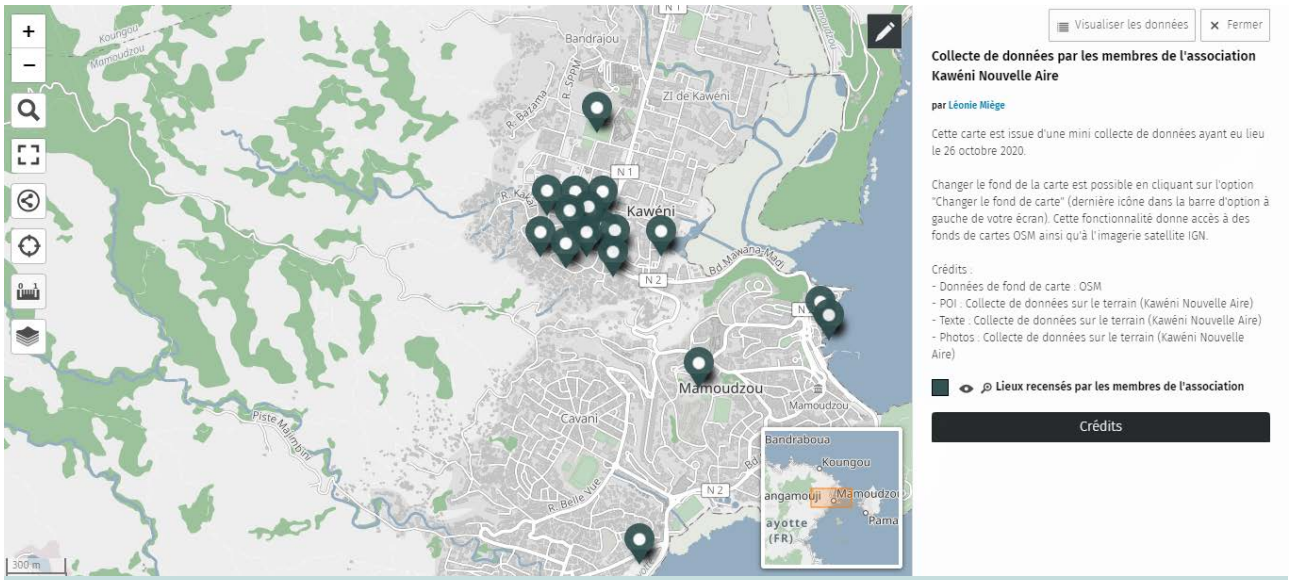
OUR ACTIVITIES

Participatory mapping support for EPFAM

6 staff for a budget of 9,600€
France (Mayotte)

Participatory mapping workshop in Kawéni

In 2020, CartONG worked with SCET, a consulting firm specialized in project engineering on a diagnosis in partnership with the Public Development Institution of Mayotte, EPFAM, focusing on tourism and leisure practices in Mayotte, a French overseas department. This preliminary assessment will be included in a regional action plan designed to improve tourism development in the island. As part of this diagnosis, CartONG facilitated a participatory mapping workshop in October, with SCET during a short field mission. This workshop was organized to consult some of the local inhabitants of Kawéni, a city located north of Mamoudzou, the department capital, about their leisure activities. During the workshop, the participants were encouraged to share information about what they are doing during their free time and to locate leisure activities on a map. The workshop was also an opportunity for the local community to receive a short introductory training to Mobile Data Collection, the data then collected has been integrated in an online interactive map. Further consultation activities have been on hold due to the pandemic.



uMap (online interactive map based on OSM data) with points of interest collected by the inhabitants of Kawéni

OUR ACTIVITIES

Scaling up the FACET approach for use by SWSC

7 staff

Budget of 10,800€

Benin, Burkina Faso, Cambodia, Ethiopia, India, Madagascar, Mali, Myanmar, Nepal and Uganda

Swiss Water & Sanitation Consortium

Together for improved living conditions

Convinced by the FACET tools developed by Terre des hommes, EAWAG and CartONG since 2016, the Swiss Water and Sanitation Consortium (SWSC) decided to adapt them for use by the 8 member NGOs of the consortium to carry out their WASH risk evaluations in health facilities and schools. We therefore supported the adaptation of the tools to the needs of the consortium, as well as conducted a series of webinars to help the NGOs discover the tools and also – for those that were not big users of Mobile Data Collection – to learn how to apply it to their field data collections for FACET. Beyond this, a hotline was also offered to the consortium members to support them in their implementation, as well as to cover the local adaptations that were necessary of the global forms. Lastly, a project began to help set up the SWSC tools associated with their reporting needs on WASH, on health facilities and schools, but also communities. A process is therefore being built for consortium members to capture their reporting information and also to compile these in online PowerBI dashboards. Support will continue to be provided to the consortium in 2021.

Health facility dashboard

Key figure: Onboarding on MDC and the FACET tools of the 8 members of the consortium

IM support to FairTrade New Zealand

4 staff

Budget of 10,780€

Asia Pacific region

FAIRTRADE AUSTRALIA NEW ZEALAND

Different phases of support occurred in 2020, ensuring technical assistance and training remotely, in relation to the use of Mobile Data Collection and associated analysis tools. This took the form of brainstorming discussions, webinars, form coding, development of analysis tools and a map and remote support for technical difficulties.

Key figure: 356 questions in the form built for producer compliance

OUR ACTIVITIES

IM support to Bioforce

7 staff
Budget of 10,236€
Central African Republic & France

IM support for the SPONG

As part of a Bioforce project aiming at strengthening local capacities working towards an increased resilience of local populations and better crisis response in the Central African Republic, CartONG is accompanying Bioforce to help strengthen the Permanent Secretariat of NGOs (SPONG) of the Central African Republic. Following an Information Management needs assessment in 2019, CartONG provided technical support for the operationalization of the Excel databases of the SPONG in 2020. Our team also accompanied the SPONG teams in the use of the mapping tool QGIS to establish 3W maps. Due to the COVID-19 pandemic, the support was conducted entirely from remote, although, originally, a field mission had been planned.

2 operational databases created

MDC & GIS training sessions at the Venissieux Bioforce Institute

As usual, CartONG conducted one or two-day interventions in 8 training sessions at the Bioforce Institute in Vénissieux in order to raise awareness among project coordinators and managers as well as logisticians about the possible uses of Mobile Data Collection and Geographic Information Systems in the national and international solidarity sectors.

Interventions in 8 classes

OUR ACTIVITIES

Subjective mapping projects

3 staff, 2 volunteers
Budget of 9,220€
France

Maps from here & abroad project

3 staff / 2 volunteers for a budget of 6,990€
France (Ile-de-France, Auvergne-Rhône-Alpes)

From September 2019 to June 2020, the funding of FDVA Savoie allowed us to continue the project Maps from here & abroad in a local context, creating an inter-associative dynamic around the use of cartography as a tool for improving social ties between migrant populations and local inhabitants of the Savoie departement. We organized a cycle of subjective mapping workshops with asylum seekers in partnership with the association ADDCAES, exploring a new format of activity mixing subjective mapping and urban walks. An exhibition was also organized in June 2020 at the Inukshuk café in Chambéry to communicate more widely about the project with local inhabitants.

What's more, in 2020, the project was the winner of the call for proposal on *Mental Health Migrants: Supporting People in Psychic Suffering* of Fondation de France. Thanks to this new support, the project entered a new phase of implementation in July 2020 which will run until the end of June 2022. This new two-year project phase will allow us to propose spaces of expression for migrants through the development of group workshops based on an innovative methodology, at the crossroads of subjective mapping and artistic mediation.

From July 2020 to December 2020, CartONG worked hand in hand with an art therapist to develop a methodology to conduct artistic mediation workshops adapted to adult migrants, by proposing subjective maps as a mediating medium. An experience-sharing meeting was also organized with researchers specialized in subjective mapping and some mental health professionals.

Artistic mediation is a method of accompaniment that uses the creative process as a means of expression. It is a particularly interesting approach for migrants because it is adapted to intercultural contexts. Through these workshops, participants are informed of the possibilities of accessing other psychosocial support spaces, and of asking for a referral to a mental health professional for an individual follow-up. These workshops are therefore complementary to other approaches of mental health care.

This new format of workshops will be implemented from 2021-onwards in partnership with various organizations: CADA centers, emergency accommodation centers, and some associations located in Auvergne Rhône-Alpes and Ile-de-France. In addition, CartONG plans to compile documentation and offer training sessions to make this new methodology accessible to a wide range of organizations working with migrant populations.

Key figures: 5 workshops with 10 participants and 1 exhibition

Mappe ton Monde project

2 staff for a budget of 1,350€
France (Savoie)

With the support of the ISI initiative (launched by the Ministry for Europe and Foreign Affairs in partnership with FONJEP), CartONG conducted the *Mappe ton Monde* project in the summer of 2020 with a group of six teenagers from the youth center of Chantemerle in Chambéry to raise awareness about the stakes of international solidarity worldwide. Through a series of innovative workshops adapted to a young audience, the teenagers were invited to reflect on their representations of the world by using participatory mapping as a medium, while also discovering cartographic projections and free tools. They also contributed remotely to a humanitarian mapping project via a mini-mapathon, and produced a uMap highlighting the vision and the relations that inhabitants of the Chantemerle neighborhood have with solidarity and the rest of the world. The teenagers presented their work at the 2020 edition of the Marché des Continents on September 12th in Chambéry.

Key figures: 4 workshops with 6 teenagers and 1 web map created

CliMigra_Form training sessions

1 staff for a budget of 880€
Sudan (remote)

In 2020, CartONG supported the CliMigra_Form program, which is funded within the framework of ADESFA (Aid for the Development of French Higher Education in Africa) and which is deployed through a partnership between the University of Paris 8 Vincennes-Saint Denis (France) and the University of Paris Khartoum (Sudan). This project aims to develop training in participatory and citizen inquiry on two topics specific to the Sudanese context, namely: climate and migrations. As part of the support provided, CartONG conducted 2 remote training sessions for a team of French and Sudanese social science and geography researchers and students, in order to help them understand how participatory and subjective mapping methodologies may be used as a way to collect both qualitative and quantitative data during a field research. Additional guidance on participatory and subjective mapping methodologies will be provided in 2021.

Key figures: 2 online training sessions

OUR ACTIVITIES

IM support for Groupe URD

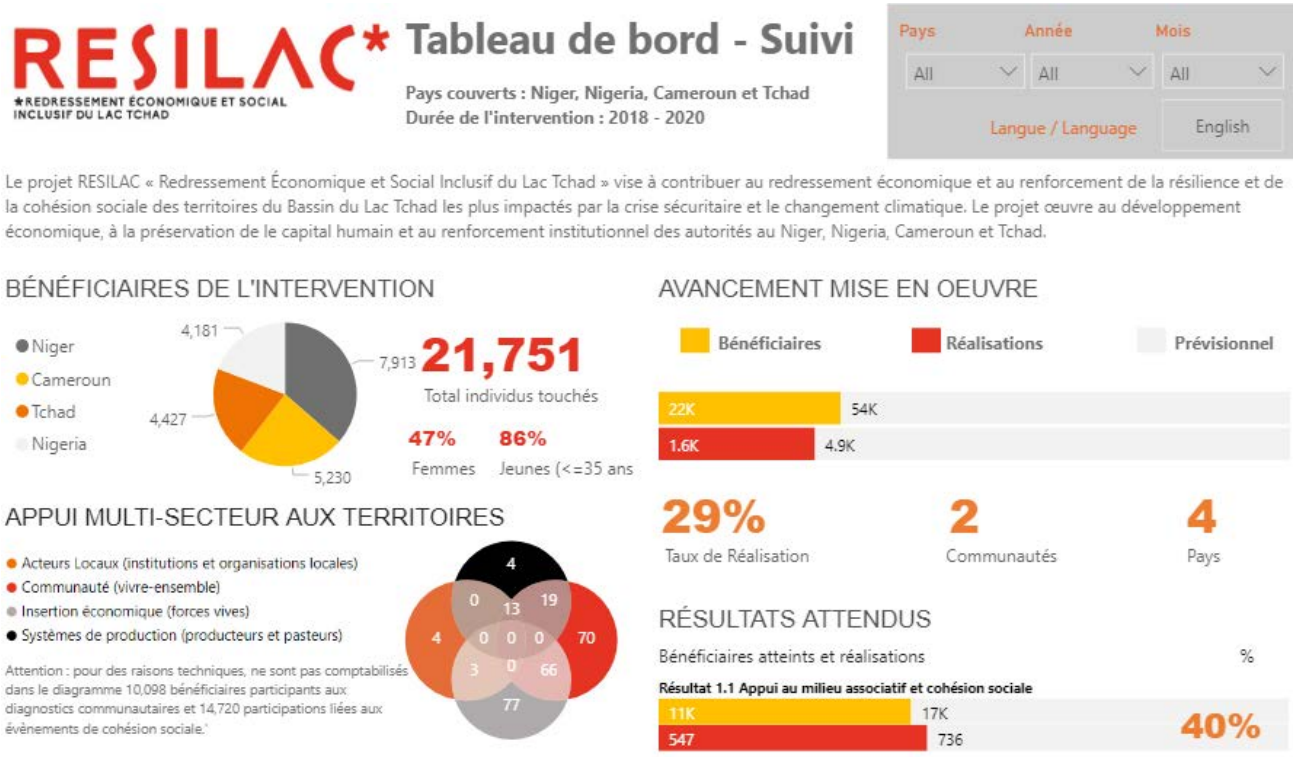
4 staff

Budget of 8,800€

Remote — Cameroon, Chad, Niger and Nigeria

CartONG has been supporting the RESILAC (Lake Chad Inclusive Economic and Social Recovery) project and consortium since 2019, which is implemented by many international and local actors, including Action contre la Faim, CARE and Group Groupe URD. In particular, CartONG supports Groupe URD, which is in charge of the "Monitoring and Evaluation System", on the information management component.

After having carried out an information management diagnosis last year, CartONG continued to support the project teams in the implementation of certain recommendations in 2020. We were also in charge of designing a dashboard (see below) to help monitor and steer the project, and of designing a database for individual beneficiaries to centralize the support provided by the project through its various activities.



In 2021, CartONG plans to continue to provide flexible methodological and technical support to the consortium members, adapted to the needs of the RESILAC project, in close collaboration with the local partners.

1 dashboard developed

Operations in 4 countries supported

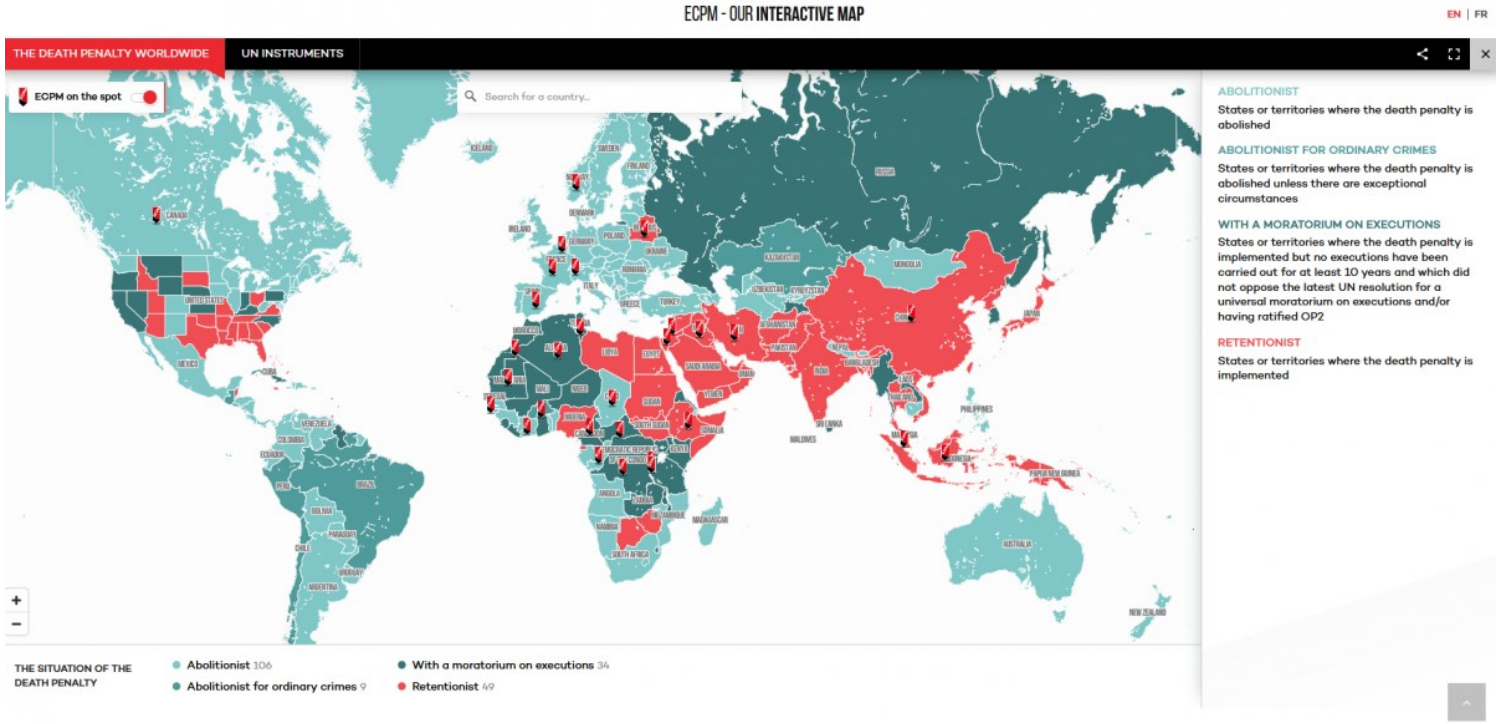
OUR ACTIVITIES

Web mapping support for ECPM

2 staff
Budget of 8,360€
Global

Ensemble contre la peine de mort (ECPM) is a French non-governmental organization working to abolish death penalty worldwide. In the summer of 2020, CartONG was contacted by their team to build an interactive web map that would display the status and key statistics on death penalty in each country of the world and help support their advocacy work as the NGO was celebrating its 20th anniversary.

This web map was created using custom JavaScript technologies, which allowed both fast performance and alignment with ECPM's visual identity. This interactive web map brings together the key facts and figures related to death penalty in each country of the world. In addition to the status on death penalty, the map is displaying figures such as the number of executions in the recent years, methods of execution, and the number of prisoners in a death row. Special infographics are available for countries where ECPM is currently active. The map is available in both French and English.



The new map was released on October 10th – the 18th World Day Against Death Penalty.

Key figure: 1 bilingual dashboard created

OUR ACTIVITIES

Support in choosing an adapted MDC tool

5 staff
Budget of 7,040€
Germany (Headquarters)

welt hunger hilfe
For a world without hunger

In 2020, CartONG worked with Welthungerhilfe to conduct a benchmark of several Mobile Data Collection tools in order to identify the best ones to use at an organizational level. CartONG brought technical and methodological support into this benchmark, especially working on defining, detailing, prioritizing and organizing the requirements as well as cross-checking and testing information provided by suppliers vis-à-vis the selected requirements. This also included methodological support in determining the scope of the benchmarking, research on and testing of the various tools as well as being in direct contact with the potential providers. The purpose of this support, which will continue in the first part of 2021, is to accompany Welthungerhilfe prior to the selection of an MDC tool and to ensure that valuable and reliable information was collected on solutions pre-identified to be the most suitable as per their needs. CartONG also plans to publish the most interesting aspects of the benchmark as a guide to other NGOs that may face similar needs.

Key figures: 18 tools were pre-assessed and 8 tools assessed in depth

Information Management support for Asmae

3 staff
Budget of 4,500€
France (Headquarters)

Asmae Association Sœur Emmanuelle

F3E

Groupe URD
Urgence . Réhabilitation . Développement

As part of an approach facilitated by the F3E network, Groupe URD and CartONG are supporting the NGO Asmae in implementing a Monitoring & Evaluation system for its international operations. The objective of the project is to improve and strengthen Asmae's intervention strategy, to facilitate program management and to improve the visibility of Asmae's project achievements and results externally. While Groupe URD is providing the methodological support, particularly in the definition of indicators, CartONG has designed a data collection, data consolidation and data visualisation mechanism based on Excel Online (Office 365). The support provided also included the design of a detailed user manual as well as several training sessions for Asmae to take ownership of the system, conducted between the end of 2020 and the beginning of 2021. After a test phase carried out at the end of 2020 the M&E system will be finalized in the spring 2021.

Key figures : 71 field indicators configured

OUR ACTIVITIES

Implementation of a data visualization system

2 staff

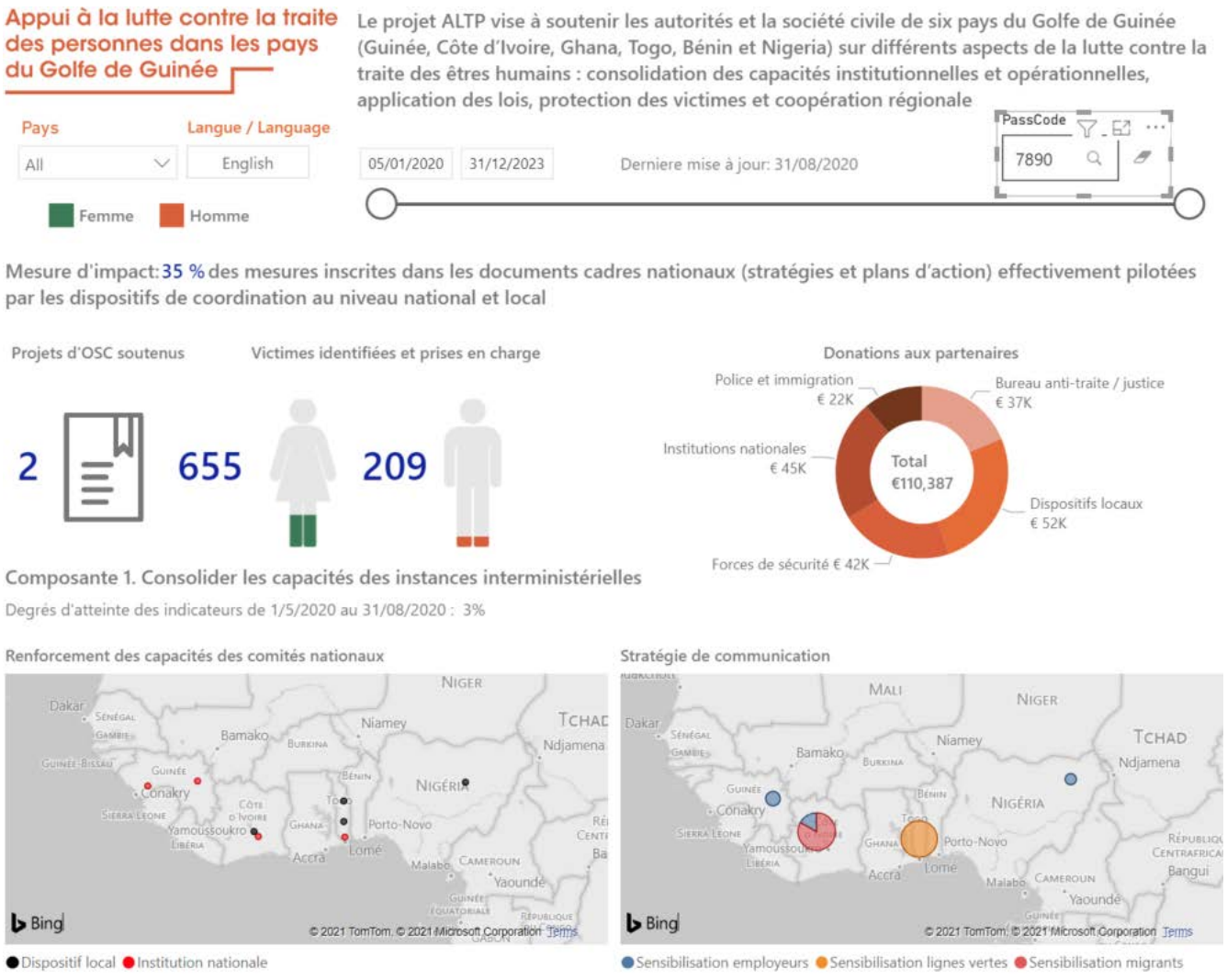
Budget of 3,375€

Guinea Gulf – Benin, Ghana, Guinea, Ivory Coast, Nigeria and Togo

In 2020, CartONG worked with Expertise France to create a French and English dashboard to visualize the Monitoring & Evaluation data of one of their project entitled "Support for the fight against human trafficking in the Gulf of Guinea countries", which is being implemented in five countries of the Gulf of Guinea. After reviewing the existing data visualisation tools and assessing the needs of Expertise France for this request, CartONG opted to use PowerBI to build the dashboard.

The project included an important preparation phase in order to select the indicators that would be displayed on the final product and reorganized the data model of the project, before being able to develop the dashboard.

Key figure: 1 dashboard created

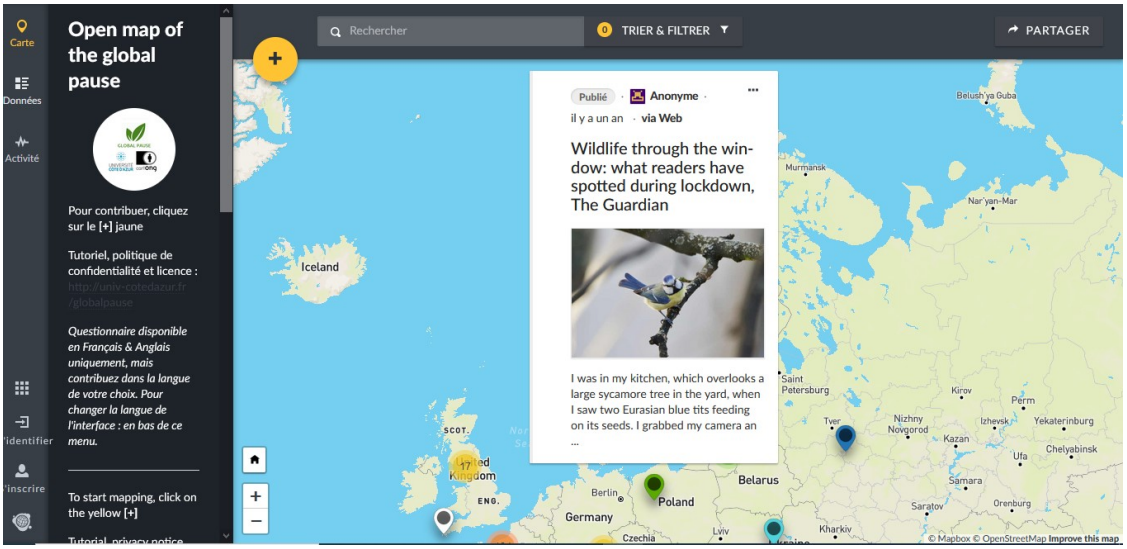


OUR ACTIVITIES

Development of the Open Map of the Global Pause

2 staff
Budget of 3,080€
Global

In the midst of the first lock-down in March 2020, CartONG was contacted by the "Disrupt Campus"/INVENT@UCA of the Université Côte d'Azur (UCA). In order to bring some positivity in this difficult period, they had the idea to highlight the positive effects of the global pause brought by the pandemic, not only on the environment but also in regards to social initiatives as well as innovations. After evaluating UCA's request, CartONG opted to create a simple web mapping platform using the free crowdsourcing tool Ushahidi. The platform was quickly set up with an easy-to-use form - while taking into account all important aspects related to the protection of privacy - and launched during a live event co-organized by CartONG in May 2020. Supported by the partner network of UCA, the platform then quickly gathered around 600 contributions and had some interesting news coverage. Since the end of 2020 and the evolution of the situation, the platform is no longer promoted but it will remain accessible as a testimony of this time period.



Key figure: 1 platform developed

IM support for Voûte Nubienne

2 staff
Budget of 3,452€
Voûte Nubienne's operations

This project's aim was to support the Voute Nubienne in the assessment of the data component of their Monitoring and Evaluation system. A workshop at HQ and different field interviews were therefore run to produce such a document, describing the needs of the association, a description of the features they wanted in the system in place (as well as the associated constraints, capture modalities, types of users, data model), and some elements concerning the possible technical scenarios.

OUR ACTIVITIES

Data Protection training at VENRO

2 staff
Budget of 2,981€
Germany

In February 2020, CartONG had the opportunity to give its first dedicated training in data protection to 13 member organizations of the German network of humanitarian and development organizations (VENRO - the equivalent of Coordination Sud in France), focusing in particular on the constraints and practices of field operations. The main goal of the 2-day training for the participants was for them to reach a good level of understanding of the GDPR principles and concepts applied to the humanitarian sector (and of responsible data more generally speaking), as well as its related stakes and opportunities. They learned to evaluate the degree of maturity of their own organization in terms of responsible data management, and how to protect data throughout the many steps of the data cycle. They also got an overview of the tools and methods that can be used to improve data security. This training was followed by remote telephone coaching sessions for each of the participants.

Workshop at VENRO in February 2020

Key figure: 13 NGOs trained

Mapping workshop for SIF

1 staff
Budget of 2,661€
France (Headquarters)

In January 2020, CartONG gave an introduction training of 3 days on mapping to 12 members of the operational department of Secours Islamique France, which was funded by Le Group'. The aim of this training was to make participants aware of the added value and challenges that mapping represents for an organization. In addition to the theoretical aspects, part of the training was dedicated to the handling of some tools such as uMap.

Key figure: 12 attendees

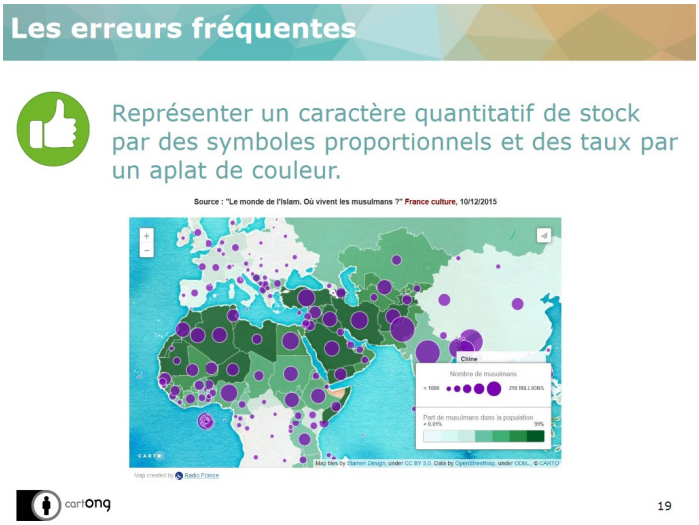
OUR ACTIVITIES

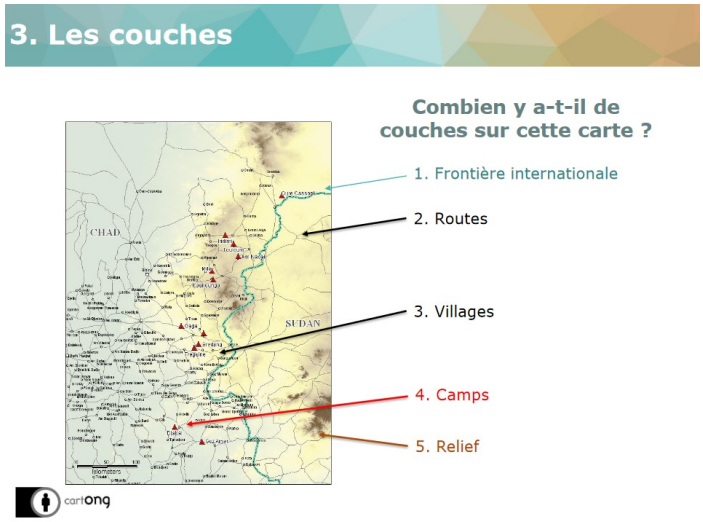
Introduction training to QGIS for Acting for Life

2 staff
Budget of 1,980€
West Africa and South America

At the end of 2020, CartONG gave a 2-day remote training to 9 program managers of Acting for Life to provide them with an introduction to the use of QGIS. The aim of this training was to show the basics of GIS so the participants could become autonomous in producing simple maps they need in their daily work.

Key figure: 9 staff trained





IM support for Humanity & Inclusion

8 staff
Budget of 1,320€
HI operations worldwide

Following the GIS needs assessment conducted by CartONG in 2019, the support provided to Humanity & Inclusion (HI) by our team this year was two-fold. Firstly, CartONG helped develop an internal dashboard to support HI in the adaptation of their operations to the COVID-19 crisis, by compiling key pandemic figures and information on the HI operations' status and vulnerabilities in relation to the pandemic. Secondly, CartONG also intervened on the topic of GIS and data protection in one of their internal seminars with field teams.

Key figure: 1 dashboard developed

OUR ACTIVITIES

Platform development & MDC setup for Plan

6 staff
Budget counted in 2021
Cameroon, Niger and Nigeria

Plan International Germany is coordinating the multi-year project "Support for Civil Society Organisations piloting initiatives of the AU -EU Youth Cooperation Hub" (which is being implemented by Plan International Cameroon, Niger and Nigeria) to support peace and security and to strengthen stabilization efforts in the Lake Chad Basin. As part of this initiative, local youth will be engaged in a mapping and monitoring exercise of basic services and causal peace factors. CartONG is thus helping Plan International Germany in setting up a data collection tool to identify service infrastructures in the Lake Chad Basin and an online map to display the results of the said data collection.

A very important component of this project is for young people to take ownership of the tools so that they can be autonomous in managing the data collection and updating the online map on their own. CartONG has therefore put in place technical solutions with simplified steps so as to allow young people to carry out the said mission. This was done by using ODK Collect and KoboToolbox for data collection, and by developing an online map which directly displays the validated data in KoBoToolbox via the API.

Online map with a fake set of data

Now that these technical solutions are in place, a 2-day remote workshop will be organized for each country in January 2021 to train young people in the use of these tools, with CartONG's support to continue well into 2021. CartONG will also ensure the maintenance of the solution during the whole duration of this three-year project.

Key Figure: 1 map-based platform developed

OUR ACTIVITIES

Small staff & volunteer projects in 2020

Raising awareness

In 2020, CartONG's staff conducted 5 presentations on GIS and Information Management in the humanitarian and development sector before Master's Degree students at Cergy-Paris University and at Paris 1 Panthéon-Sorbonne University (IEDES Institute and Carthagéo program).

Mapping and web-mapping support

The collaboration between the NGO Planète Réfugiés-Droits de l'Homme and a team of seven CartONG's volunteers has continued in 2020. In particular, they have worked on producing a series of regional and thematic maps to highlight the situation of death row inmates in the world.

Towards the end of the first lockdown period in France, Action Contre la Faim, Solinum and several volunteers of CartONG collaborated to map the services available in Bordeaux to precarious and/or isolated people so as to facilitate their access to the said information.

At the occasion of the development of a five-year strategy for Secours Catholique Savoie, several volunteers of CartONG have produced maps highlighting the territorial divide and economic precariousness at the local level, as well as the actions carried our by Secours Catholique in Savoie.

In March 2020, several CartONG's volunteers supported the RUSH (Emergency Social-Humanitarian Response) initiative by building a web map to help match the urgent HR needs of social organizations in the Auvergne-Rhône-Alpes region with the profiles of available humanitarian professionals.

In 2020, our volunteers also worked with FORIM – a network of more than 1,000 International Solidarity Organizations stemming for Migrations – in order to create a #DiasporaAgainstCovid map on GoGoCarto. This map helps promote the actions led by diasporas in France and abroad during the pandemic.

A team of 3 CartONG's volunteers has been supporting our partner Solidarités International, with the assistance of the staff team, in an Environmental Impact Assessment in Myanmar to provide them with a set of maps produced using remote sensing techniques.

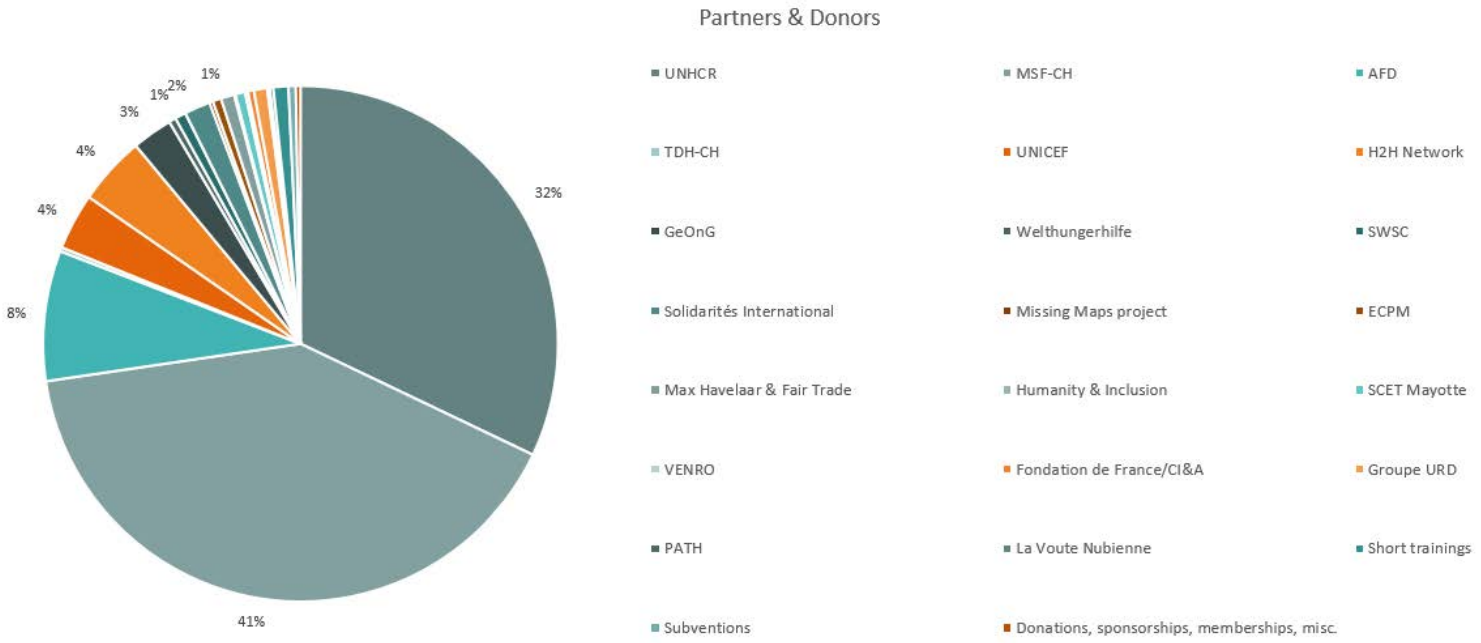
In-depth endeavors

A volunteer worked on developing flexible QGIS styles that could be used for different volunteer mapping projects on QGIS. These styles were presented to the volunteer teams at the online Get-Together of November 2020, and have already been used for several mapping projects.

FINANCIAL REPORT

2020 ACCOUNTS

After a stabilization year in 2019, CartONG has experienced important growth in 2020, with a budget increase of 27%, reaching a total of 1,588,707.83€. This growth has led to a significant positive balance of 105,888.42€, in which the Covid-19 crisis response has played a major role. It will allow us to maintain our level of security savings as well as continue investing in the structuring and development of our organization.

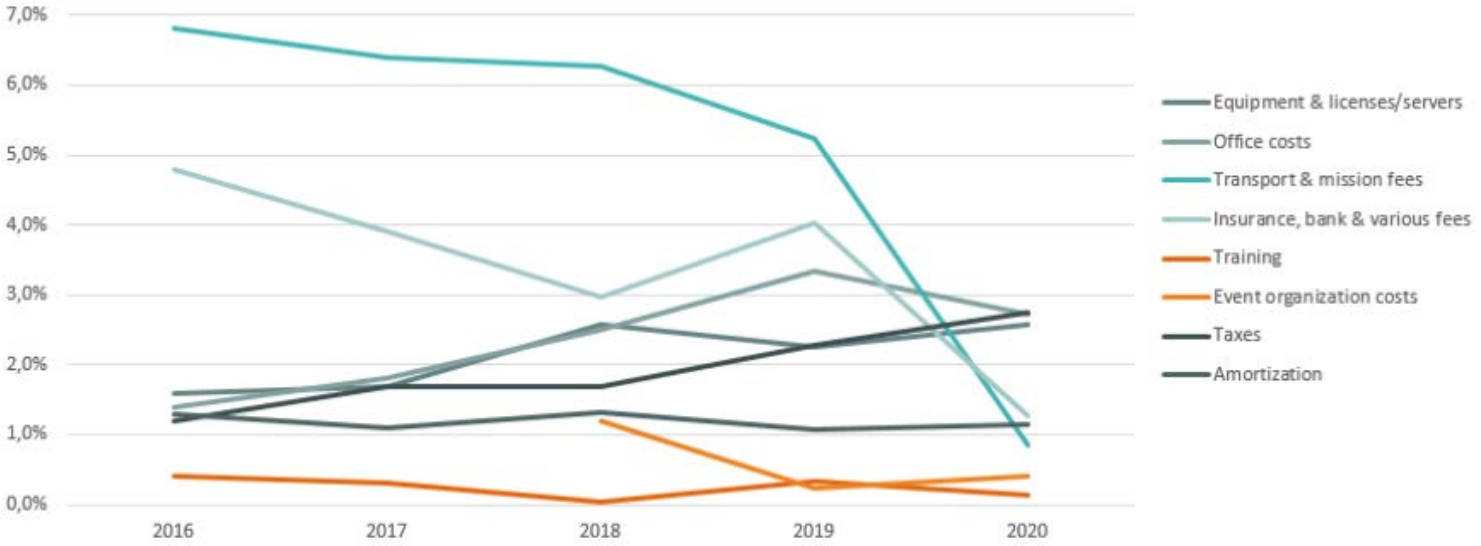


Our partners MSF (41% of our budget) and UNHCR (32% of our budget) have continued to be, by far, the main contributors to our budget. We have also acquired a few new partners and donors this year (H2H Network, UNICEF, ECPM, SWSC, etc.) and maintained relationships with several others - including with the French Development Agency (AFD) that is becoming one of our key donors. Our need to diversify revenue sources remain a long term objective with a 70% target to reach for our main donors - we are almost there.

For the most part, our budget remains funded by our humanitarian partners (56.3%) and with a significant proportion coming from public and institutional donors (39%). We clarified this year our budget breakdown classifying UNHCR funding as a grant from an institutional donor, which explains the important increase in subventions compared to last year. The rest of our budget comes from corporate partner donations and foundations (3.4%). The remainder is coming from training sessions (0.9%), individual donations and membership fees (0.2%), and miscellanea (0.2%).

Our expenses amounted to 1,479,069.95€. They were split between salaries & social charges and consultants (90.8% vs. 81.2% in 2019), equipment and licenses expenses (2.6% vs. 2.3%), office costs (2.7% vs. 3.4%), transport & mission fees (0.9% vs. 5.2%), insurance, bank & various fees (1.4% vs. 4%), taxes (0% vs. 2.3%) merged with salaries & social charges as entirely linked to human resources, amortization (1.2% vs. 1.1%), and event organization costs (0.4% vs. 0.2%).

FINANCIAL REPORT



The repartition of the expenses has varied in 2020, in comparison to previous years, mostly due to the pandemic. We can observe a strong decrease in our transport & mission fees as well a decrease in various fees - as we did not have a consultancy in 2020 like the Data Protection's one in 2019. On the other hand, Human Resources have represented 90% of our expenses in 2020, and it is worth noting an increase of consultant costs this year (+3%).

We have reinforced almost all our fields of expertise this year, reflecting our diversified portfolio, with the recruitment of three Project Managers (IM & GIS), two additional GIS Specialists (moving from an intern to a staff position), a second Product Owner, a Participatory Mapping Officer, an Information Management Technician (moving from an intern to a staff position), a Communication Assistant (moving from an intern to a staff position), plus an Administrative and Finance Director. In total, we now have 26 employees (inc. 17 permanent contracts), in addition to our interns (~3/year), service civique volunteers (~4/year) and long-term consultants (6 + 1 new in 2020).

FEEDBACK ON THE 2019 INVESTMENT PLAN

Due to the absence of surplus in 2019, we did not launch new identified and ad hoc investments in 2020. However, the projects selected via the 2019 Volunteers' Call for Ideas in November 2019, were partially implemented throughout 2020 and will continue in 2021 as the Covid-19 crisis has delayed the implementation of both projects. The two projects in question are:

⇒ The MAPATI Project, which aims to use collective and participatory mapping on OpenStreetMap to raise awareness about the lack of green spaces in the Atikoumé district of Lomé (Togo). Total budget of 277€.

⇒ The YAKA project, which is led by a team of six volunteers aiming to reference, document and share the know-how of self-sufficient communities, alternative organizations and eco-villages from all around the world.
Total budget of 2,000€.

2020 RESULT ALLOCATION

The positive result of 2020 of 105,888.42€ will be allocated to the associative funds ("fonds associatifs" in French) of CartONG, as a carry forward ("*report à nouveau*" in French) following its validation during the General Assembly.

After this allocation, the Associative Funds (or "*report à nouveau*" in French) and the total Equity of the association ("*Fonds propres de l'association*" in French) will amount to 435,593.22€.

The management team and the board of CartONG will prepare an investment plan to strengthen the structure. It will be presented and validated during the General Assembly of June 2021.

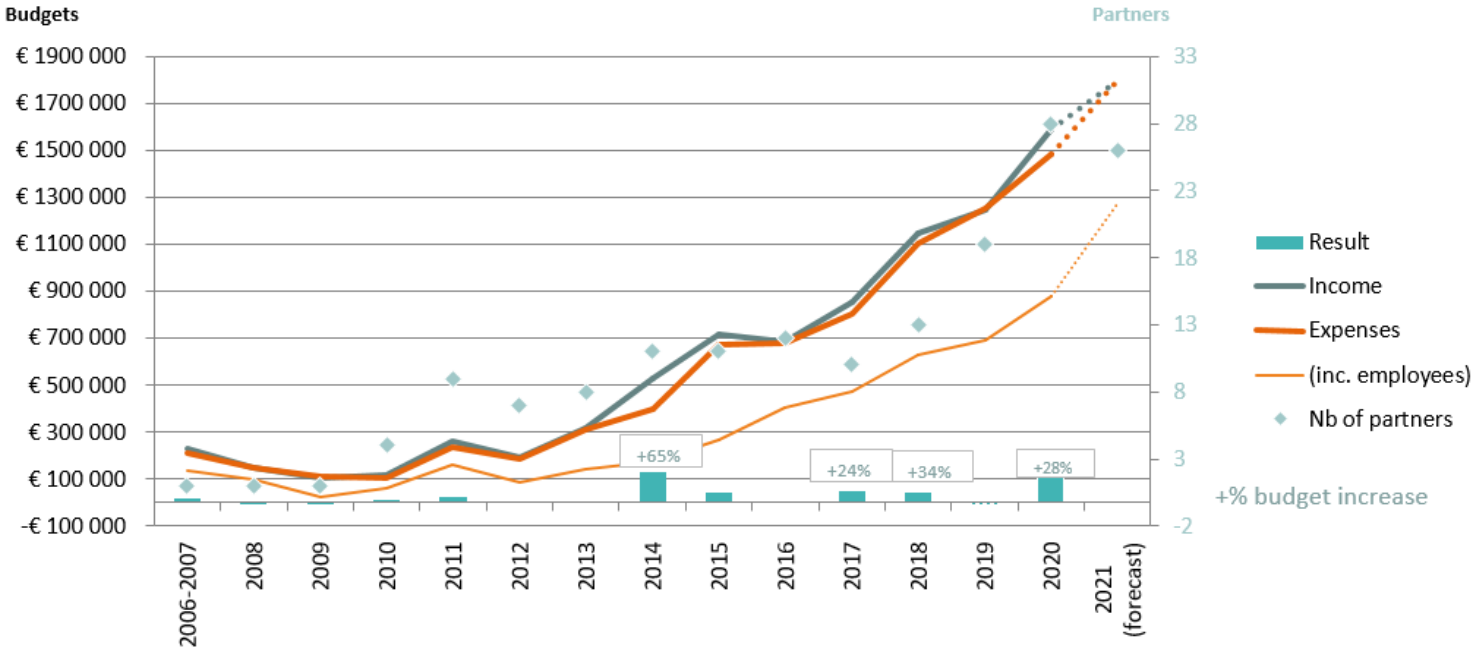
Our complete financial statements (*"Etats financiers des comptes de l'exercice 2020"* in French) compiled by our accountant and certified by an external auditor (*Commissaire aux comptes* in French), as well as our detailed financial report, is available for partners & donors.

Contact us at: info@cartong.org to receive a copy.

PERSPECTIVES FOR 2021

BUDGET

CartONG's board has adopted a more ambitious planned budget for 2021, for a total of 1,794,577€ (expenses & incomes), a potential growth of 13% from 2020, acknowledging the continuous budget increase in the last 3 years. The first semester confirms this trajectory.



The expected breakdown of expenses is stable, with a similar proportion of salaries & consultants (89.8%), slightly higher expenses planned for missions & equipment (4.7%) than in 2020, due to new employees joining and old assets to be renewed, and hopefully possible missions and lower on office & other costs (5.5%) than in 2020.

PROJECTS

The following key projects are foreseen for 2021:

⇒ The partnership with MSF will continue, supporting them in implementing the new GIS Center;

⇒ The partnership with UNHCR will enter in a new one-year agreement, with continued support on IM & GIS activities with the same sections;

⇒ We will continue implementing the activities of our project aiming at strengthening Information Management within French-speaking CSOs which is co-funded by the French Development Agency (AFD) and will also continue implementing (Tunisia, DRC, Guinea, and Accountability projects, the last one being implemented with Group URD) or launch several new projects with their support;

⇒ We will pursue our participation to the Missing Maps project (with several partners already identified), as well as continue implementing the Maps from here & abroad project in France with the start of workshops of the new phase of the project;

PERSPECTIVES FOR 2021

⇒ We will continue supporting Groupe URD in the Lake Chad region, as well as the Max Havelaar/ Fairtrade movement, and Plan International;

⇒ We will finalize the project implemented in support our long-term partner Solidarités International in Bangladesh and Myanmar;

⇒ We will finalize some pending activations as part of our LTA contract with UNICEF, and can hope one or several new ones;

⇒ We will continue implementing the project funded by the H2H Get Ready Fund with Groupe URD (and conclude our COVID-19 activation project), and monitor new opportunities coming from the network;

⇒ We will start the implementation of a new project in Tajikistan funded by GIZ with our local partner Little Earth, using participatory mapping and GIS for adaptation to climate change and disaster risk reduction in local communities;

⇒ We will continue delivering training sessions at the Bioforce humanitarian school and other smaller organizations and initiatives.

CROSS-CUTTING ACTIVITIES

Following a fruitful year in 2020, CartONG is mostly planning on finalizing the development of our first multi-year strategy and start implementing it. We will also continue implementing our Associative Life & Volunteers' Involvement Strategy for its second year in 2021.

Besides this, our other main cross cutting activities relate to reinforcing our management and continuing our work on data protection, improving and adapting our internal ICT tools (with the creation of a dedicated Task Force) and launching our first M&E working group. We will also plan to focus on implementing new projects and continue our work to diversify our economic model.

We expect the main internal effort to be made on strengthening our support functions: as we received at the end of 2019 a significant public French grant, and considering the organization has experienced significant growth in the few years, we will continue adapting our organization to new regulations that are now applying to us.

To do so, we have recruited a new position in Human Resources to share the responsibilities of our current Administrative and Finance Director. We have also replaced our DPO, with the new person focusing mostly on structuring our internal processes in 2021, and we have also decided to dedicate more time on structuring internal IT aspects - an effort which will be led by our IT Officer.

ACKNOWLEDGMENTS

CartONG wishes to thank all of the organizations that supported and accompanied its projects and initiatives in France and abroad in 2020, namely:

ACODEV
Acting for Life
Action contre la Faim France
ADDCAES
Agence de Rénovation et de Réhabilitation Urbaine de Tunisie
Agence du Service civique
Agence Française de Développement
Asmae
Bioforce Institute
Cambridge Medical School
Caritas
Cergy-Paris University
Chambéry Ouahigouya
Chambéry USMB University
Conseil départemental de Savoie
Coordination Sud
Côte d'Azur University
Craterre
Direction du Développement et de la Coopération (DDC) Suisse
DPO Consulting
EMPP du CHS Savoie
Ensemble Contre la Peine de Mort
ENS Lyon
EPFA Mayotte
Expertise France
Fairtrade New Zealand
Fastenhopfer
FDVA (Ministère de l'Education Nationale et de la Jeunesse)
Fédération des acteurs de la solidarité Auvergne Rhône-Alpes
Fondation de France
FONJEP
FORIM
French Red Cross
Géocéan
Groupe URD
H2H Network
HEKS
Helvetas
Honduras Ministry of Education
HOT
Humanity & Inclusion
Hydraulique Sans Frontières
IFRC
Intermed
Inukshuk
La Guilde
Le Group' ESS
Little Earth
Maison de l'enfance
Chantemerle
MAMAPA
MapAction
Mapati / OSM Togo
Marché des Continents
Max Havelaar France
Médecins du Monde
Médecins Sans Frontières-Suisse
Missing Maps
MOH Maharastra
MOH Pradesh
OCHA-Centre for Humanitarian Data
OSM Burkina Faso
Oxfam GB
Panthéon-Sorbonne University
Paris 8 Vincennes-Saint Denis University
Pays de Savoie solidaires
Planète Réfugiés-Droits de l'Homme
RESACOOP
Réseau Bretagne Solidaire
Réseau F3E
Réseau La Fabrique du vivre ensemble
Rombo Wildlife Conservancy
Saint Etienne Jean Monnet University
SCET
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SPONG
Swissaid
Swiss Red Cross
SWSC consortium
Teritorio-Collectif Tiriad
Terre des hommes-CH
UNHCR
UNICEF
Université franco-tunisienne pour l'Afrique et la Méditerranée
Université Lumière Lyon II
University of Khartoum
Voûte Nubienne
WaterAid
WeltHungerHilfe
World Relief
YAAM Solidarités
YAKA

THE WARMEST THANKS TO ALL OF OUR VOLUNTEERS AS WELL!

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THANK YOU TO ALL OF OUR MEMBERS, VOLUNTEERS & PARTNERS

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