2019 ANNUAL REPORT





Humanitarian Mapping & Information Management

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June 2020

Cover image: Sensitive mapping workshop, Maps from here & abroad project, taken in November 2019 in Chambéry, France by Lisa Duforest.

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CONTENT

PRESIDENT'S MESSAGE

Page 3

ABOUT CARTONG

Our expertise - Page 4

Our governance - Page 5

Our team in 2019 - Page 5

Our presence in 2019 - Page 6

HIGHLIGHTS OF 2019

Page 7

OUR RESOURCES

Page 11

OUR ACTIVITIES IN 2019

Information Management Support for UNHCR - Page 12

Mapping & GIS Strategy for MSF-CH - Page 19

Information Management for Terre des hommes-CH - Page 23

MDC Support to FairTrade Africa & IM Support to Solidarités International - Page 24

Three Collaborations with Agence Française de Développement - Page 25

Missing Maps Project - Page 28

Educ'Aura: Objective 2030 Project - Page 32

IM Support to Bioforce - Page 34

GIS Strategic Support for Humanity & Inclusion - Page 35

Maps from here & abroad Project - Page 36

IM Support for Groupe URD - Page 37

Participatory Mapping Support for CARE Haiti - Page 38

Mapping & GIS Support for ICRC - Page 39

Data Collaborative Project in Senegal - Page 40

Developing a Story Map for UNAIDS & Emergency Mapping for ACAPS - Page 42

Small Staff & Volunteer Projects - Page 43

FINANCIAL REPORT

Page 4

PERSPECTIVES FOR 2020

Page 46

ACKNOWLEDGMENTS

Page 48



PRESIDENT'S MESSAGE

We have achieved this year a milestone in our development, writing our first Associative Project which helped clarify our mission, redefine our values, introduce our history and detail our expertise (see page 8 for more details). We have also officially endorsed the 9 Principles for Digital Development to introduce these best practices into our programs.

2019 was also a year of continuity with our long-term partners, signing for the first time a multi-year partnership agreement with the 3 sections of UNHCR we work with, and supporting MSF in the scale-up of their GIS activities via the GeoMSF programme. Two memorandums of understanding were also concluded in the fall with Solidarités International and Max Havelaar France, while a third is currently under discussion with another one of our partners.

we reinforced parallel, our participatory mapping portfolio, with various projects of sensitive and collaborative mapping activities in Burkina Faso, Tunisia, Guiana, Haiti and France, covering topics such as urban planning, gender-based violence and more. We are now working on how to disseminate these methodologies in our various projects, with a few first successful experiences mapping refugee camps in support of UNHCR. We have also broadened our information management assessment activities with a total of 3 partners supported in 2019.

Efforts were made in improving the content of our website with the creation of a Get Involved section and redesign of our **Partnerships** Additionally, section. we launched an in-depth project to revamp our internal data protection processes (see page 9 for more details). Our team also continues to produce shared resources in support of the humanitarian and development sector as a whole, via the release of a dozen of tutorials, benchmarkings and studies on the CartoBlog (see page 11 for more details).

We hope that 2020 will allow us to continue surfing on this positive wave, in particular with the launch of a three-year initiative to strengthen information management practices within French speaking Civil Society Organizations co-funded by the French Development Agency and with the 7th edition of the GeOnG forum in November 2020.

We wish to conclude this report by thanking all of our partners and sponsors, who make our work possible, and our staff and volunteer teams as well as our Board members who are greatly involved in CartONG's life.

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 Protection

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

2019 Board

OUR GOUVERNANCE

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.

Charlotte Pierrat, President

Founder & Director of AGAT

Vincent Taillandier, Vice-President

Strategic Development Consultant

Sybille Bernard, Vice-President

Internal Audit Manager at Action Contre la Faim

Michel Bouillot, Treasurer

Former GIS Specialist

Claire Gillette, Secretary

Cartographer & GIS specialist at Citadia

Jean-Paul Nicoletti, HR Advisor

Former Economic Studies Officer at Arvalis

Robert Danziger, Board Member

Former Professor

Lina Toro, Board Member

Environmental Specialist

OUR TEAM IN 2019



Photo of some of CartONG's staff & volunteers during the Get-Together of November 2019.



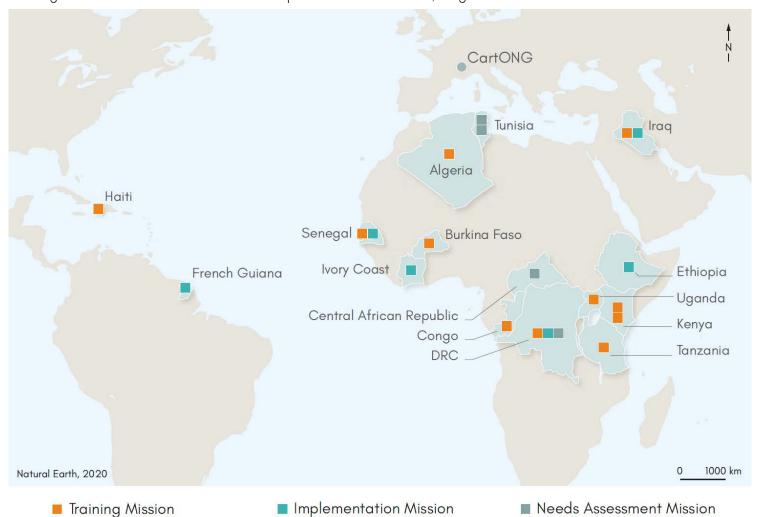
ABOUT CARTONG

A FEW FIGURES ABOUT OUR STAFF & VOLUNTEERS



OUR PRESENCE IN 2019

In 2019, CartONG's staff have been deployed in 15 countries for training, implementation and needs assessment missions. Our staff and volunteer teams have also organized many participatory mapping activities, conducted short training sessions and contributed to several public events in France, Belgium and Switzerland.





27th January - 3rd February

Mission to kick off the scientific impact evaluation of the PRIQH2 project in Tunisia in support of the French Development Agency

February

Conference - debate on "NGOs & Climate Change" with Care France, Humanity & Inclusion and Groupe URD

March

2-week volunteer mission in Burkina Faso in support of an urban improvement project in precarious neighborhoods

5th April

Participation to the Nuit de la Géographie 2019

13th - 14th April

Get Together and General Assembly of CartONG near Lyon (France)

May

CartONG participates and presents during the Global WASH week of UNHCR

May

CartONG finalizes its 30th GeoApp for MSF since the beginning of the partnership between our 2 organizations

26th May - 8th June

2-week mission in Haiti to provide support in participatory mapping methodologies as part of a project fighting against gender-based violence conducted by Care Haiti. It was the first mission of the kind for CartONG

14th - 16th June

Participation of CartONG to State of the Map France 2019 and facilitation of 2 sessions on open data and data validation in OSM

June

CartONG releases its first Associative Project

July

3-week deployment of 2 staff in Ethiopia to provide support in data collection and GIS to the Shelter and Settlement Section of UNHCR in 5 refugee camps in the northern part of the country

August

CartONG endorses the 9 Principles for Digital Development

9th September

Release of a Lessons Learned paper on MDC with Terre des hommes

23rd - 27th September

GIS Week organized by CartONG in Brussels in support of the MSF movement

25th September

Release of 3 MOOC on GIS & CartONG's activities in collaboration with ENSG

September

Memorandum of Understanding signed with Solidarités International

October

Memorandum of Understanding signed with Max Havelaar France (FairTrade label)

October

End of a six-month review of data protection practices at CartONG

16th - 17th November

Get Together of CartONG in Dullin

November

Completion of a GIS needs assessment for Humanity & Inclusion

December

CartONG launches a new project with the support of AFD to strengthen Information Management within French-speaking CSOs



ASSOCIATIVE PROJECT

Since its creation and the drafting of its statutes in 2006, CartONG had not updated any document defining its global objectives. With the growth and diversification of our activities in recent years, it had become necessary to draft an associative project that would clarify the social contribution of our organization to society, specify its fields of expertise, (re)define its values and detail our growth over the past 13 years – so as to guide future developments.

Over the last decade, CartONG has tremendously changed. Its scope has expanded with the arrival of new technologies so as to meet the technical, strategic and ethical challenges of the sector. We have also extended the range of contexts, partnerships and spheres of action in which we operate. In January 2019, under the guidance of CartONG's board and management team, it was thus decided to take the time to launch the design of an associative project that would complement our statutes.

Keeping with our rather horizontal organizational functioning mode, we opened the process to as many people as possible – board, staff team, members and volunteers of the association – via the creation of 7 working groups, including 3 support groups (documentation, consolidation and proofreading & translation) and 4 in charge of making proposals on key themes (doing / living / being / becoming) and a clear timeline. Each group chose its own operating mode, be it, for instance, working in plenary sessions using online collaborative tools or interviewing external members.

The exchanges culminated during the Get-Together of April 2019, via dedicated sessions facilitated by each of the groups, followed by group work to finalize short paragraphs compiling core elements, that is to say: our values, our history, our rationale and our areas of expertise.

This first compiled version was then reviewed, completed by sections on our governance and economic model (previously prepared by the "Living" group), and then finalized, validated by our Board and, finally, published on our website.



As the associative project is by definition a "living" document, CartONG expects to have to modify and/or complete it in the coming years, but is already proud of this defining document and the amazing process that led to it.



DATA PROTECTION TASK FORCE

The subject of data protection (and more generally of responsible data management) has been a long-standing concern of CartONG. Nevertheless, like most organizations, it is the coming into effect of the General Data Protection Regulation (GDPR) in the European Union in May 2018, that was the turning point for our association. Not only did CartONG have to integrate ethical and responsible principles into the way we manage data, but our organization now also had to comply with a new law!

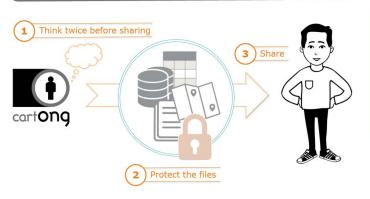
To this end, a working group dedicated to data protection and bringing together a diversity of profiles within CartONG, designed as a "task force" and endowed with a dedicated budget (from core funds) was set up at the end of 2018.

Having carried out an initial evaluation of our internal practices and assessed the substantial work still to be undertaken and the relevance of using external support to facilitate the implementation of the necessary changes (particularly on legal aspects), CartONG submitted a request for – and obtained at the end of 2018 – a grant to co-finance a consultancy from the <u>Institutional and Organizational Strengthening Fund</u> (FRIO) of the Coordination Sud network (project supported by the French Development Agency).

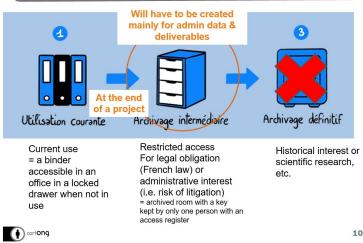
Throughout 2019, the internal working group – supported by the team of consultants – launched a series of initiatives. These made it possible to work in a sequenced manner on CartONG's specific situation as it has in fact a "double hat":

- \Rightarrow $\,\,\,\,\,\,\,\,\,\,\,\,$ on the one hand, as a subcontractor for the data managed on behalf of its partners; and
- ⇒ on the other hand, as data processor like any other association (data of employees, members, volunteers, etc.).

Sharing « data to protect »



Bonus 1: Archiving and storage status



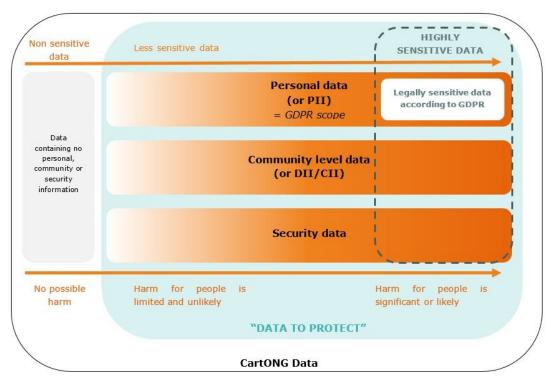
In 2019, we therefore managed to achieve the following:

An initial inventory specifying the shortcomings of CartONG in terms of data protection and which allowed us to define priority areas of work.



cartong

- A review of our legal status and the relations we had with our partners, which led to the signature of new contracts, amendments or specific annexes covering data protection aspects.
- ⇒ A review of our internal organization in preparation for the appointment at the very beginning of 2020 of a Data Protection Officer (or DPO) and focal points within each of CartONG's departments.
- A compliance of CartONG on the most urgent matters including, in particular, the implementation of a register of our data processing processes, a procedure in case of data breach, the drafting of a privacy policy for our communication tools covering the various aspects of CartONG's life (volunteers, applications, etc.), etc.
- ⇒ The progressive adaptation of our day-to-day professional tools and IT infrastructure with, for example, the adoption by the entire team of a password management tool, the step by step securing of our storage spaces, etc.
- ⇒ The design and implementation of new technical procedures (formalized in the form of "check lists" or "how tos") linked to our core activities, enabling us to integrate the principles of "data protection by design and default" into our daily operations, for example in terms of de-identification of data, review of consent messages in data collection forms or the use of fictitious data in the development of our applications.
- ⇒ The implementation of a change management strategy for the entire team, including the "Data Protection month" in November 2019.



Reaching compliance as well as fully integrating the principles of responsible data management into our processes both remain a long-term endeavour, especially for an associative organization of the size of CartONG.

The work initiated in 2019 will naturally have to be continued in the coming years on all of the above-mentioned axes.



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. <u>Here</u> is a list of the blog posts which were published based on the resources produced in 2019 as part of our projects and in support of our partners.

<u>Benchmarking</u> - Assessment of the GPS accuracy of mobile devices





<u>Tutorial</u> – Harvesting a large quantity of data from ArcGIS REST services using a new tool!

<u>Tips</u> - Collecting GPS data with mobile devices: troubleshooting tips & optimization





<u>Toolkit</u> – "Sensitive & participatory mapping workshops for migrants" (French only)

<u>Benchmarking</u> – Data collection tools for shelter tagging & items distribution





<u>Tutorial</u> - How-to use static website generators to build technical documentation

<u>Typology</u> - The world of MDC





<u>Comparison</u> - Advantages & disadvantages of MDC: a visual summary

<u>Tips</u> – At which steps of your data collection is MDC more time efficient than paper-based data collection?





<u>Lessons learned</u> – CartONG and Terre des hommes are pleased to announce the release of a Lessons Learned paper on Mobile Data Collection

<u>Opinion</u> - Are mini projectors really the perfect solution for field environments?





<u>Tutorial</u> – 6 common omissions made by beginners in survey design for MDC purposes (in French)

<u>Tutorial</u> – Advanced XLS forms coding n°3





<u>Tutorial</u> - Advanced XLS forms coding n°4



IM support for UNHCR



1





30 staff

Budget of 516,400€

Global (all countries of operations of UNHCR)

About the partnership



In 2019, the partnership with UNHCR continued for all four sections, Livelihood and Energy, as well as FICSS (by now Global Data Service) and PHS. The overall budget increased by 60% and the agreements were turned into multi-year agreements during the course of 2019; encompassing also 2020. Though in terms of budgets, the cycle remains annual. Whilst CartONG is supporting Information Management activities, products and tools in all four sections, the focus for each section is different.

FICSS section

24 staff for a budget of 173,600€

Remote support in: Afghanistan, Albania, Bangladesh, Bosnia Herzegovia, Cameroon, Iraq, Jordan, Kenya, Macedonia, Mauritania, Montenegro, Mozambique, Niger, Nigeria, Serbia, South Sudan, Syria, Tanzania, Uganda and Zambia

In-country support in: Ethiopia

Definition and implementation of the eSite project

The eSite is designed to serve as a web portal where GIS data can be accessed, explored and analyzed for different site planning purposes. The resulting map products are easily deployable and shareable through the platform. In 2019, the eSite project has advanced considerably, both in terms of defining the needs of its users and in terms of implementation. A first step was to define as closely as possible the needs of the main users of the future eSite platform with appointed focal points for each sector and through the creation of user stories which were translated into functional requirements and grouped into building blocks to be developed with the appropriate technical solutions. The first eSite beta version was implemented on 100% ESRI technologies. This prototype was demoed at several occasions in UNHCR to raise awareness and gauge user acceptance. Further studies and analyses were carried out to compare the advantages, disadvantages and challenges of different technologies that could be used to create a platform like envisaged for eSite. In addition to ESRI tools, selected proprietary and open-source technologies have been included in the benchmarking process. The technical tests and selection of tools for the next eSite development phase will take place during the first semester of 2020.

Site Mapping web application

The Site Mapping web application has seen small but efficient improvements oriented towards three main objectives in 2019. Firstly, the application went through a review of its user interface and design, aiming to a simpler and better user experience, focusing on the quality of data and on the coherence of the icons displayed between each site. Working on the missing icons allowed us to also clean the database, and in the near future a semi-automatic quality check would be requested while importing new data sets.



Secondly, we integrated quite a lot of new datasets of site infrastructure coming from REACH and also HDX. The third objective for 2019 was to start working on visualizing data coming from sector databases. We can now display and download from the <u>site mapping application</u> the global borehole database.

Support to site mapping conducted in remote and in country

- In 2019, support to field mapping was scaled up, with 13 sites covered, for a total of more than 81,000 shelters and other buildings mapped by 372 participants representing the equivalent of 53 days of work mapping! With the improved documentation of processes everything had become faster, including importing data between various systems to ensure optimal usability for the different user groups. A global assessment of what OSM data was already existing in UNHCR areas of interest (for now 976 sites) was initiated to gain a global overview of data, actors and how refugee and IDP sites are referenced in OSM. This assessment was conducted by volunteers. Surprisingly, many sites are mapped or at least partially mapped on OSM.
- Often, when conducting remote support for field locations, connectivity is an issue and new ways of delivering support need to be tried, for instance recording sessions and making the video available like it was done in Mauritania. Here we switched to ArcGIS Online to overcome the synchronization issues encountered when using Portal. The monitoring application set up for the operation as well as the new satellite images should assist with keeping up the effort.
- ⇒ UNHCR and CartONG conducted a large field mapping and capacity building mission in Ethiopia; supporting shelter experts, find more information, including the link to a <u>story map here</u>.
- \Rightarrow In Bangladesh, the remote support for shelter tagging started in 2018, also continued into 2019.

CCCM IM Support including Web Maps

The main update on the CCCM Cluster in 2019 was the development of a new OPSMAP, the Site Profile for Southern East Europe (SPSEE), including new features with respect to previous OPSMAPs. SPSEE's development is close to its finalization. This is the first OPSMAP with a dedicated user/password set up, granting user based access to the application. Another important new feature consists of the possibility to query not only the last Site Profile, but also previous ones. Last but not least, a matrix representation was added as a new visualization option.

A closer look at the Missing Maps team's support for UNHCR camp mapping activities

23 Mapathons conducted with 372 participants

13 projects mapped in Kenya, Ethiopia, Niger and Mozambique 1277 hours of mapping or 53 days of non-stop mapping and validation



PHS section

22 staff for a budget of 201,600€

In-country support: Algeria, Congo, DRC, Iraq and Kenya

Remote support: Angola, Bangladesh, Burkina-Faso, Burundi, Cameroon, Chad, Djibouti, Ethiopia, Jordan, Lebanon, Libya, Malawi, Malaysia, Mozambique,

Somalia, Sudan, Tanzania Uganda, Zambia and Zimbabwe

In 2019, CartONG supported the Public Health, Nutrition as well as WASH team on various Information Management tools, products and processes. A few of those are highlighted here:

<u>SENS</u> (Standardized Expanded Nutrition Survey)

In 2019, we undertook the review, testing and adaptation of the third version of the form – a process which included a thorough analysis on the Z-Score and related in-form flagging. In order to know which tools and format to focus on, a user survey was created and sent to the nutritionists to gain an insight on what existing SENS tools they already use and what new features they would require. The survey response was great, and the main findings highlighted two aspects: i) even though SENS was conducted by almost all nutritionists in the camps, not all of them knew the majority of the tools available and ii) whilst there are more staff using Kobo Toolbox in some of the settings, the use of the offline setup was still present. To cater for an easier offline process, a mini-server (raspberry pi) was thus set up with the Aggregate VM, which makes deploying an offline server simple as fewer tools need to be installed and maintained on the survey computer. Three raspberry pies were set up and handed over to the Public Health team in Geneva. The standardization test was also highlighted as one of the challenges encountered by the Survey team, so more work went into making the tool as user-friendly as possible and a webinar was held to explain the form and the related Excel tool.

Implementation of the online version of the Medical Referral Database

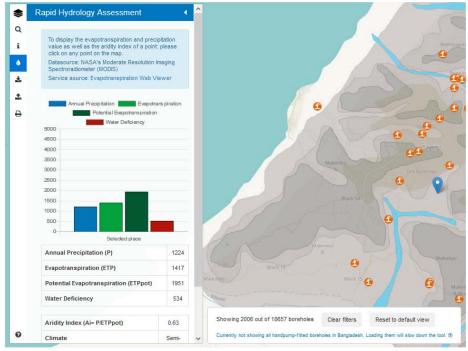
The Medical Referral Database (MRD) Online project started to take shape in October 2019. The application represents the online version of the currently used MRD Access Database, with enhanced features and improved user experience. It is built on Symfony-Php framework and PostgreSQL Database on the backend side and on Twig, Flexbox Grid, Datatables and Chart.js on the frontend side. The project implementation was divided into 16 milestones and related sprints. Sprint length was set to 2 weeks to properly organize and manage the work, set achievable goals, allow for continuous release of small sections of the software and gather continuous feedback. In 2019, the first 5 milestones were completed, and the sixth and last one started in the second half of December and was completed during the first week of January 2020. These milestones were as follow: 1) project kickoff meeting, 2) finalization of users stories, personas and requirements, 3) set up of the development environment and the structure of the code documentation on Sphinx (also Sprint 1), 4) development of the initial design of the application (also Spring 2), 5) development of the application component related to patient creation, viewing, editing and deleting, with specifications on consent and ID details and integrating data protection recommendations, and 6) development of the application component related to the creation, viewing, editing and deleting of referral cases, with a three-step process to add all required information. Referrals are available in both the patient page and the referral list page.



iRHIS: integrated Refugee Health Information System

<u>iRHIS</u> is an open source tablet and web platform that was developed by GNUCOOP to allow health workers to electronically register and track the health status of refugees in camps, as well as help UNHCR's public health team and implementing partners to rapidly detect public health outbreaks and epidemics. In 2019, CartONG provided one in-country rollout training and a follow-up advanced training on the use of the iRHIS platform in the Democratic Republic of Congo and Congo Brazzaville respectively.

Initially, an e-learning module was supposed to be developed to complement the training material, however, CartONG illustrated the need for a more exhaustive iRHIS content resource center and presented a detailed content outline and the type of content needed as well as an iRHIS Resource Center mock-up for the proposed content. As a result, the idea of developing an e-learning module was dropped and it was agreed that CartONG would begin the conception of the new content progressively.



Support to the WASH team

On the Water and Sanitation side, CartONG worked on the scale-up strategy of Knowledge Attitudes and Practices surveys across all refugee camps, by thinking through the best capacity building and dissemination possibilities of the KAP approach and by analysing through a user survey and field survey reports what were the strongest needs of KAP stakeholders. Linked to this, the website was revamped, and the material on the website was also reworked to include short and sweet documentation and

<u>videos</u> to facilitate access to key information. Beyond this, 4 in-country training sessions of survey managers occured (Kenya, Tanzania, Iraq and Algeria) as well as interventions at the UNHCR WASH week and WASH partner day in May 2019.

As part of the support to the WASH team, CartONG also conducted a considerable revamping of the WASH GIS portal (or Borehole Database — see above) in 2019. Numerous updates to existing features were implemented: data model changes with revised and new attributes, revamped bulk upload possibilities for users, finetuning of data quality checks on import, managing attachments for each borehole (with tags), improved diagram of the borehole showing depth and static water level, among others, to make the app more relevant and easier to use. Our team also worked on the development of many new features. First of all, a Rapid Groundwater Potential Mapping module (or RGWPM) was developed, making accessible different external layers (geological, hydrogeological, on ground water quality, etc.) as well as making it possible for a user to perform a Rapid Hydrology Assessment by clicking on any given point and displaying the associated evapotranspiration and precipitation or aridity index values of a given point.



New features also included a "filters" menu for users to be able to query their data, with certain common and useful predefined queries being available off the shelf, as well as the possibility of filtering some attributes based on a slicer with thresholds (such as the WHO quality thresholds). Filtered results are then displayed on the map and can also be downloaded as Excel exports, KML and geojson formats (which is also available for any export from the app). This can help both field users and HQ identify more easily datasets of particular interest, but also analyze the quality of the database. On that note, an in-depth review of the data existing in the app was also conducted by CartONG to identify possible quality issues such as impossible data or data whose place was not in the Borehole database. Moreover, different experimental new features were also worked on, such as a PDF export feature, as well as the possibility to share the Borehole data with other websites automatically through the provision of a WMS service. These features still need to be finalized in 2020.

Beyond the work on existing features and the development of new ones, a strong focus was put on improving the user experience, with a reviewed user access workflow, instructions and alerts made available throughout the app and the release of an updated user guide among other aspects.

6 missions conducted

Online
version of the
MRD being
developed

176 staff trained across projects PDF Tool for the BSC Dashboard set up

DRS section

10 staff for a budget of 141,200€

List of countries:

<u>Energy:</u> Remote support in Angola, Cameroon, Chad, Kenya, Mauritania, Niger, South Sudan, Tanzania and Yemen

<u>Livelihoods:</u> Remote support in Afghanistan, Angola, Brazil, Burkina-Faso, Cameroon, Chad, Chile, Congo DRC, RoC, Costa Rica, Ecuador, Ethiopia, Ghana, Jordan, Kenya, Malawi, Mauritania, Morocco, Namibia, Panama, Rwanda, Somalia, South Africa, Sudan, Swaziland, Tanzania, Tunisia, Ukraine, Zambia and Zimbabwe

In-country support in: DRC and Kenya

The Division of Resilience and Solutions (DRS) of UNHCR has undertaken a comprehensive revision of the framework for monitoring UNHCR Energy and Livelihoods programs on a global level. DRS developed mobile data collection tools which are scalable and a monitoring system that helps implement both Livelihoods and Energy activities across operations. The monitoring system is a system that allows data flow integration linking the data collected by UNHCR operations on KoboToolbox to a centralized online interactive spreadsheet for analysis and data validation before finally publishing to the program's Livelihoods and Energy Open data platforms.



Since March 2018, CartONG has been providing technical guidance and support to the UNHCR field operations through the following activities:

Technical guidance and training

Throughout 2019, technical support and training to the field operations' focal points in the usage of the Livelihoods and Energy monitoring tools, setting up mobile data collection and verifying data submissions were provided. Remote training was provided to new operations using the monitoring tools for the first time. Refresher training through webinars and personalized follow-up calls were also provided to reinforce the capacity of operations' staff. A total of 40 operations for Livelihood and 11 operations for Energy were trained on the use of the Livelihood and Energy monitoring tools respectively.



Review of existing procedures and tools & update of training materials and surveys

We updated the existing training materials and tools with new instructions to reflect the transition of the mobile data collection tool from Kobo Collect to ODK Collect. A mobile data collection tool which is actively developed, updated at least 4-6 times a year and supports all the functionalities needed with the monitoring tools. To ensure high quality responses and an adequate comprehension of the Livelihoods surveys, translations to Swahili, Portugese and Ukrainian were added in

collaboration with the respective UNHCR Livelihoods operations focal points. A wide range of translations helps accommodate the needs of new operations to conduct surveys in the language of the beneficiaries being interviewed and helps improve user experience when using monitoring tools. A total of 7 languages are now supported, PDF survey versions were also made accessible through both the <u>Livelihoods</u> and <u>Energy</u> Open Data platforms.

Support on data quality check, analysis and reporting

Once the data is submitted by the participating operation, we continue to monitor data submission progress, while verifying, cleaning and exporting data on a daily basis for each operation to the open data platform. A thorough evaluation and data quality verification of the summary reports referred to as "Country Analysis Notes" (a report summarising each operations project background and results of key impact indicators) was conducted. Inconsistencies between project information at the UNHCR field level and HQ level were addressed in June 2019 – at the end of the 2018 monitoring cycle. A total of 34 Livelihoods and 6 Energy Country Analysis Notes were extracted and uploaded to their respective Open Data platform.



As a result of the time consuming process required to draft narratives that are integrated into the 2019 Country analysis notes, in December 2019, UNHCR and CartONG put in place a new automation process that generates automated problem statements based on each operation's monitoring template. CartONG helped redesign the new monitoring template, tested the problem statement automation system and provided support to focal points in 40 Livelihoods and 11 Energy operations to refill the new templates.

Administration of open data platform

We also have administered and maintained both the <u>Livelihoods</u> and <u>Energy</u> open data platforms to ensure real-time information on global indicators, and country profiles and training resources are up to date and easily accessible. In addition, data quality assessment of both platforms was conducted to verify the accuracy of the data

Refugees from the Central African Republic

1. LIVELIHOODS PROGRAMME AND MONITORING SCOPE

Problem Statement:
Since 2018/2017 Chad began receiving refugees primarily from Central Africa in and around Gore Town in Southern Chad. In 2018 some 72-500 Central African refugees resided in the country and the surrounding local population is estimated at 2,280,000 individuals. The 2017 Age, Gender, Diversity Participatory, Assessment with refugees, conducted in all major hosting sites as part of the standard planning process, has identified gender inequalsy, frequent reductions in dividualsy. The problems faced by refugee population.

To inform an evidence based program design, a set of livelihoods related assessments have been conducted in 2016 and 2017; including a socio-economic profiling in the South and South-East. It was estimated that 47% of the refugees are the most vulnerable, 50% are moderably vulnerable and 5% are least outerable. Also, an increase of 50% of gender-based most vulnerable, 50% are moderably vulnerable and 5% are least outerable. Also, an increase of 50% of gender-based opportunities, including improvement of the host community's livelihoods statusion as they are welcoming Central African refugees by changing property and resources, including agricultural and. As a result, the assessments was suggested the main livelihoods activises to be supported should include agricultural value chain development, small business development, vocational training, auccination of the vestock and animal improvement.

As a result of the participatory and technical assessments outlined above, the Livelihoods Strategy for Central African refugees in Chard (2018-20) aims to build resilience, self-relation and relivenous force and resources, including agricultural and relivenous force and support and promotion of awing and tending groups.

Programs Monitored:

Total Livelihoods Pogramme (USD) 1,300,511

Partner Project (USD)

Report and promotion of awing and hending groups.

Programs Monitored:

Total Livelihoods Pr

values calculated and displayed. Recommendations were provided to the platform's developers to fix identified discrepancies.

System support, maintenance, documentation and bug tracking

We finalised 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 any new code changes and easily involve new developers to fix the system's bugs and work on new features. During the system's documentation process, recommendations on how to improve the systems code were compiled and presented to the UNHCR Livelihoods team.

Integration of data protection practices

As data processor, CartONG carried out a risk analysis and developed a <u>Risk Analysis Report of Energy and Livelihoods Monitoring Tools</u> which mapped out the risk related to data, processes, and tools within the DRS project. The template which was in line with the UNHCR Data Protection Impact Assessments (DPIA) and also referenced the UNHCR data protection policy when relevant was shared with the UNHCR Livelihoods HQ team.

51 operations supported in data analysis 49
automated
problem
statements
set up

63 monitoring forms set up 25 webinar sessions



Mapping & GIS strategy for MSF-CH







18 staff
Budget of 487,100€
Global, Europe, Senegal, Uganda

About the partnership

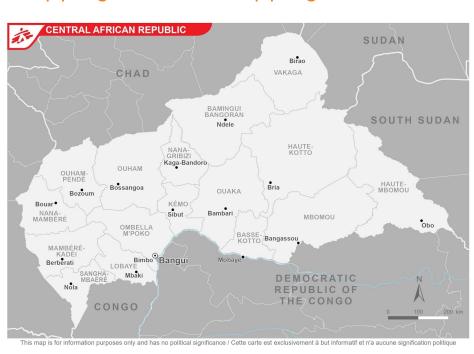


The partnership with Médecins Sans Frontières-Suisse, which exists since 2013, remains one of the largest ones in terms of budget and volume of activities. Since then, CartONG has been acting as technical partner for the MSF GIS Unit. Early 2019, the implementation of the third phase of the GeoMSF Program started.

During the full year, CartONG was therefore quite involved in the process to ensure the alignment between the program and the GIS Unit. Some of the activities were shared between the two, such as data management, whereas other usual activities of the GIS Unit were on stand-by, such as web development activities, waiting for the GeoMSF outcomes planned for 2020.

The year 2019 was marked by a strong collaboration surrounding this program and a new overall GIS platform being developed, as well as by the design of the scaled-up organization that will eventually succeed to the GIS Unit. It was also the year during which we defined the new strategy for the GIS Unit for the 2020–2023 period.

Mapping and webmapping



In addition to the continuous mapping service that the team provided (150 maps produced on 26 countries) and to the associated data mining work done to enrich the database, our main goal in 2019 was to look at ArcGIS Pro in order to undertake a migration from ArcMap to ArcGIS Pro during the year so as to align the technologies with the GeoMSF new infrastructure, which is mainly based on ESRI applications. We did conclude this research by starting to implement a roll-out strategy as well as introduce this new software to the MSF GIS specialists through training,

tutorials and webinars. We also continued our effort on producing reference maps and created a new product called EasyMap in order for the non-GIS staff to be able to create their own location maps.

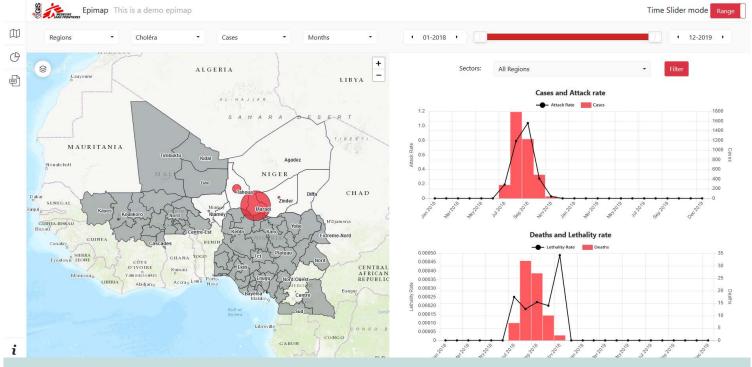




EasyMap in action (used by HQ staff as early as a few days after its release)

Regarding the online maps, we slowed down our activities as the GeoMSF had the mandate to provide an easier and faster way to produce them. therefore concentrated our effort on improving the business part of our activities, as well as the user and technical documentation. We also significatively improved our quality control processes. the During year, accompanied the GeoMSF team and their vendor in migrating the GIS infrastructure to the cloud. In 2019, the main achievement of the webdev team was the production of offline apps, such as epidemiologic webmaps, as

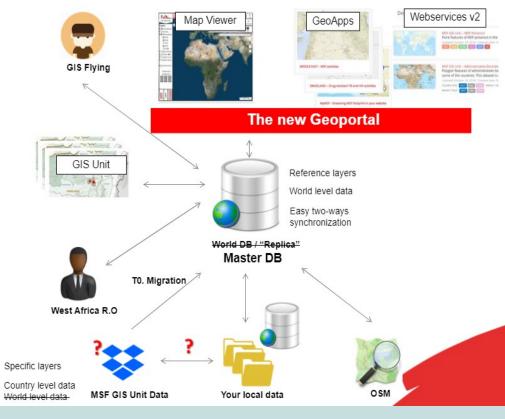
well as maintaining the Map Centre v2 by implementing improvements and managing bug fixing throughout the year. As part of our daily services, we have produced a total of 150 PDF maps and 9 webmaps: 3 of them from scratch and 6 by using ArcGIS Online applications.



The Epimap v2, a portable dynamic visualization tool for geospatial base epidemiological indicators



Data management



This sector was our main focus during the year, in order to make data management the cornerstone of the GIS Unit. In strong collaboration with the GeoMSF team, we strengthened the MSF Master database, working on data governance for official layers (MSF Presence) and different workflows for operational layers (MSF Activities). Migration between the CartONG infrastructure and the MSF infrastructure was also opportunity to improve standardisation, data quality controls as well as metadata and technical documentation.

Overview of the GIS data organization within the GIS Unit

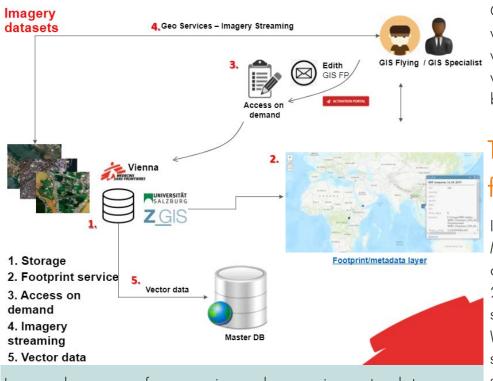
Taking the opportunity of the scaling up of the GIS Unit, we worked closely with the Missing Maps team in order to better use and contribute to the OSM database, road layer being the main interesting feature for MSF. An important milestone within the OSM work stream was the release of a draft version of the MSF Sharing Policy for non-sensitive geodata.



Confidentiality should be set to "Proposed for sharing"
If rejected for sharing the MSF
Master DB should be updated with "MSF Internal"/ "Confidential"

Proposed workflow for sharing MSF Geodata to OpenStreetMap





Our work was not only centered on vector data but also on raster data, working through the MSF GIS Unit with the Salzburg University to better serve MSF's needs.

Training, missions and field support

In 2019, we gave remote support to MSF teams deployed in different contexts. In total, we accompanied 20 field missions covered by 11 GIS specialists from our headquarters. We also supported 11 long-term GIS specialists on building capacity and sharing their work within the

Improved processes for accessing and consuming raster data

organization. Our training offer stayed quite similar to the one we had in 2018. We facilitated two GIS and one MDC training sessions, and we were also involved in sector training sessions during which we facilitated GIS modules to help increase awareness on GIS and related products and services within MSF.

For the third consecutive year, we also organized the GIS week – a full week where all MSF GIS staff gathered to discuss, share good practices and are trained on new tools and processes. As part of our daily services, we also provided technical support on demand. In 2019, this included MDC support, support linked to internal tools such as PowerBI, or on our own products such as the Epimaps. Additionally, in line with the GeoMSF program, the use of ArcGIS online applications, webmaps or dashboards was also improved and required strong technical support from our side.



150 maps produced 1 rush mode to support Mozambique flooding

1 MDC training

2 GIS trainings



IM for Terre des hommes-CH



7 staff & volunteers Budget of 31,300€ Global (all countries of operations of Tdh)

About the partnership



Terre des hommes

The partnership with TDH has been ongoing since 2015. CartONG is Terre des hommes' partner on Information Management & Mobile Data Collection implementation (tools

& methodology), capacity building (training workshops in the field and in HQ, documentation, support hotline, etc.), and knowledge building (needs analysis, benchmarkings of solutions, etc.) as well as support on strategic organisation or technical recruitment decisions.



Lessons learned paper from five years of Mobile Data Collection at Terre des hommes







42658 visitors to the MDC Toolkit website

In 2019, CartONG worked on a Lessons Learned paper compiling the feedback on 5 years of Mobile Data Collection implementation by Terre des hommes. Beyond this, different types of support occurred, mostly during the first half of the year. A map was created for the Migration team to make visible the main migratory flows on which the program bases its action.

On the Mobile Data Collection front, the work on the new version of FACET for both schools and health facilities continued, with the realigning of the mobile and analysis tools with updates to the current dashboards and the development of new dashboards. This was done for Terre des hommes in direct partnership with EAWAG, the Swiss Federal Institute of Aquatic Science and Technology. Other mobile forms were developed for Tdh on Mental Health & Psychosocial Support as well as work undergone for the adoption/implementation of SurveyCTO in Iraq and the validation prior to deployment of various forms. With the help of its volunteers, CartONG also continued to update, translate to French and improve the content of the MDC Toolkit.

"For all the supporting team on this, please accept our sincere thanks for the excellent assistance provided through this website."

"I was really impressed that Tdh has this strong expertise and amazed by the quality of the website content and Lessons Learned paper.'

- Feedback from users of the toolkit



Support to FairTrade Africa in their adoption of MDC



4 staff 16,700€ Côte d'Ivoire



CartONG conducted a 2-week mission for Max Havelaar France in Côte d'Ivoire to support the follow-up of FairTrade cocoa cooperatives through mobile technologies. The project started by a small assessment of the situation and comparison of tools that could best cater to these needs, followed by a preparation of the digitization of the process through mobile data collection that was then tested, piloted and improved accordingly with the FairTrade teams in Cote d'Ivoire in preparation for a full deployment. The whole approach was seen very positively by the teams, who have already started sharing the work with other countries and also using MDC for other projects.

Towards the end of 2019, a request from FairTrade New Zealand also came through for a collaboration to support their team – in a similar way than was done in Côte d'Ivoire – to adopt better data collection practices. The support will continue in the first few months of 2020. Last but not least, Max Havelaar France and CartONG also decided to formalize the possibility for further collaboration via the signature of a first one-year Memorandum of Understanding.

IM support to Solidarités International operations



Memorandum of Understanding Announcement



After ten years of ad hoc collaborations between CartONG and Solidarités International (SI), the two organizations decided to sign a Memorandum of Understanding (MoU) to facilitate future activities.

CartONG
@assocCartONG

Who said Information Management was all work and no play? End of a 10-day #training by @assocCartONG in Teknaf, Bangladesh ■ in support of our partner @Solidarites_Int

The MoU concerns the capacity building of SI teams on Information Management (IM), the running of studies, the provision of strategic advice and technical field support related to Information Management, as well as the development, configuration and deployment of IM tools.

In that vein, work has started at the very end of 2019 to support the Myanmar and Bangladesh field operations in the improvement of their IM practices and processes, that will continue for most of 2020.



3 collaborations with AFD









8 staff
Budget of 40,000€
Tunisia, DRC and Global



In line with the multiple collaborations we have had in the past few years with the French Development Agency (AFD), we had in 2019 3 projects funded by them – 2 of which were in support of their operations, and for the first time a co-funding of a program led by CartONG.

Evaluation of the PRIQH2 urban project in Tunisia

5 staff for a budget of 40,000€ 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 (PRIQH2, 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.

This initiative is a new approach not only for AFD but also for CartONG, who neither had had the opportunity to participate in a scientific impact evaluation nor in the evaluation of an urban development project. The scientific impact evaluation method comes from the field of medical sciences where the effects of taking a drug are compared to a "placebo" or "control" scenario. Applied to a project, the method consists of comparing, before and after the project, a group that benefited from the project and a "control" group that did not benefit from any intervention.

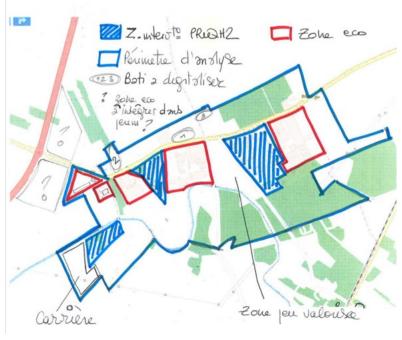
The main component of scientific impact evaluations is the econometric impact assessment designed to quantify the impact of interventions on socio-economic outcomes at the household and individual level measured via surveys (done by researchers from the United Nations University and the Tunisian firm BJKA Consulting).

As part of this specific scientific impact evaluation, AFD also wished to add a second component by conducting a spatial and territorial impact evaluation of the PRIQH2 project at the neighborhood level as well as the mapping of the evaluation results. CartONG is in charge of this additional component that should make it possible to identify global trends that cannot be observed at the level of individual respondents.

To do so, our intervention focuses on two key aspects:

- ⇒ Consolidating a geographical database and developing mapping tools to analyze the impact of the program
- ⇒ Strengthening the capacities of ARRU in GIS for sustainable use for decision-making





We also decided to encourage the use of open data in this project, in particular OpenStreetMap.

For the first year of the project, we have:

- ⇒ Conducted 2 field missions in Tunis in January and June to meet the stakeholders, assess the needs for capacity building of ARRU, and work on the evaluation protocol with the rest of the team;
- ⇒ Assessed the data available at ARRU and completed it: to do so, we started to vectorize in OSM all the neighborhoods of the PRIQH2 program (roads and buildings), with a detailed work on the 20 observed as part of the

evaluation (adding land uses and vegetation). We defined a data model fitting the urban analysis requirements, and matching OSM. In 2019, we also encouraged ARRU to collect complementary data in the field. This work will be renewed after the rehabilitation works have been conducted to produce before/after maps and attempt to analyze the evolutions that have taken place.

⇒ Started working with the ARRU team on an internal assessment of their capacities and needs on GIS and information management. This should lead to a workshop with various internal and external stakeholders in 2020, and subsequent training sessions.

This project is a very interesting opportunity for CartONG to explore the use of mapping for impact evaluation studies and to work with a local institutional partner on a development project.

Key figures in 2019: 6 Tunisian public institutions sensitized to data sharing & 20 neighborhoods expected to be mapped in OSM

Data collaborative project on WASH data in DRC

2 staff involved, budget accounted in 2020 Democratic Republic of the Congo

Following the "data collaborative" project conducted in 2018 on health information with OpenStreetMap-DRC in the Democratic Republic of Congo, we have started a similar – yet at a smaller scale – initiative on WASH data.

This new data collaborative will be funded by the French Development Agency as part of the PILAEP2 project, that supports sustainable access to water for neighborhoods not covered by the national water agency in Kinshasa and Bas Congo. The PILAEP2 project has allowed to create a large amount of data that AFD now wants to share and make sustainable via a data collaborative approach.





Inception workshop in November | Photo credit: Claire Zanuso

The data collaborative initiative on WASH data started in November 2019 with a kick-off workshop that gathered 28 participants from 14 organizations (international & local NGOs, UN representatives, donors and government agencies) in Kinshasa. This workshop allowed us to define the plan of action and objectives for 2020 with the organizations interested by this new project.

Key figures in 2019: 28 participants to inception workshop

Strengthening IM within francophone CSOs

5 staff involved, budget accounted in 2020 Global, focus on the French-speaking world

CartONG launched in December 2019 a new project to strengthen Information Management within French-speaking Civil Society Organizations (CSOs) over a period of 3 years (12/2019-11/2022). This project is co-financed by the French Development Agency (AFD) within the framework of its Call for Interest or AMI (General Interest Projects / Initiatives aiming at reinforcing the associative sector or SMA). Built in partnership with a dozen of actors (operational NGOs and H2H organizations), this project aims to foster the appropriation by CSOs of Information and Communications Technology (ICT) in support of humanitarian and development projects, and more specifically of what we call "Information Management".

This project has two main objectives:

- ⇒ A more practically-oriented objective, which is to support CSOs in the handling and use of Information Management methodologies and tools that allow them to properly manage operational data essential to the functioning of their operations, such as, for example, mobile data collection and mapping. It also means improving their understanding and use of Information Management approaches and processes such as data protection or the optimization of data analysis and processing.
- A more strategically-oriented objective, which is to support the strategies of CSOs facing difficulties in taking the "Digital Turn" due to a lack of understanding of the issues linked to and the importance of Information Management within the humanitarian and development sectors. Through the development of new studies and methods, the project will enable CSOs of all sizes and areas of intervention to improve their understanding of the digital ecosystem and its challenges and impacts, and thus improve their operational strategy.

More information here.



Missing Maps Project



2 staff

Budget of 21,600€

Burkina Faso, French Guiana,
Global



2019 has been a transition year for our participatory mapping team: while we have launched or supported many more projects that include OpenStreetMap mapping and participation methods (see the activities with UNHCR FICSS, PRIQH2 in Tunisia, Care Haiti, Healthsites.io, Maps from here & abroad, etc.), a more limited number of these activities fell

under the Missing Maps project itself than in previous years. In 2019, we have nevertheless implemented 2 main Missing Maps field projects, provided remote support to several projects, and continued our work on documentation.

Collaborative mapping on OSM in support of an urban improvement project in informal neighborhoods



The first field project of 2019, actually started at the end of 2018 in partnership with Yaam Solidarités – a Burkinabè NGO developing projects in the informal settlement of Boassa near Ouagadougou and which is supported by the French NGO Craterra and Foundation Abbé Pierre. Collaborative mapping, open data and new "low tech" geographic information technologies represent a real potential to meet the challenges of these informal neighborhoods who often do not appear on official maps and databases – and thus don't benefit from public services.

After having mapped – and validated – more than 46,500 infrastructures and buildings and 418 kilometers of roads on OpenStreetMap during 8 mapathons in 2018/2019, we deployed a volunteer in Burkina–Faso for a field data collection mission in March 2019. With the support of the OSM Burkina Faso community, we trained more than 20 members of Yaam Solidarités' team as well as local community volunteers on the open source and user–friendly tools OsmAnd and OSM Tracker for geographic data collection, as well as Kobo Toolbox for conducting household surveys. Following the training course, they collected more than 150 points of interest (roads, water points, community facilities, etc.) which were then added to the OSM database so they could be accessible to all. The data collection was also an opportunity to promote Yaam's project at the local level, discuss it with the local community, and ensure greater understanding of the territory by residents.



As part of the support provided to Yaam Solidarités, we also trained their team on how to handle OSM data in order to continue improving it, as well as use it to produce local maps. The first maps produced with the data collected as part of the project will be used for project planning as well as local advocacy work towards local authorities and future donors so as to address the existing issues in the area (ranging from a lack of access to basic services, existing risks in terms of accessibility of emergency services, as well as other negative changes in public spaces). CartONG will continue to support Yaam Solidarités in the new phase of their project, which includes replicating their approach to other territories.

The second field implementation project was conducted in support of CARE Haiti in Jérémie, check the dedicated session page 38 for more information.

Helping marginalized populations to defend their rights through participatory mapping workshops in French Guiana



The third project was implemented with the Maroni Lab, an urban experimentation laboratory in 2 informal districts of Saint Laurent du Maroni in French Guiana.

We started by designing a methodology for the project which aimed at fully involving local inhabitants in mapping activities, as well as ensuring their needs would be adequately considered. We first organized a two-day workshop to co-construct the legends of the map, and then to collect the data in the field using OSMAnd. We utilized the OSM base map that we had previously completed, adding 2,500 buildings (informal

neighborhoods often missing on official maps, including in French territories) which allowed us to have a comprehensive map for the field mission and to make inhabitants of these areas finally visible on the map.

We then organized a condensed field mission which allowed us to implement in two weeks the full process: collaborative design of a map methodology, data collection in the field (with the inhabitants) and production of a first version of the analysis maps. As part of this mission, we first trained the Maroni Lab team on participatory mapping workshop facilitation techniques and mapping and data collection tools so they would be autonomous in replicating them in the future. We then conducted a couple of two-day workshops with 36 residents of the "Colombie" and "Chekepatty" informal districts of St Laurent du Maroni. To start, we defined with them a list of key elements they would like to see appear on the map (elements to preserve and to improve): accessibility and mobility in the district, access to water, waste management, nice facilities and spaces, services and shops, etc. We then toured the neighborhoods to collect 440 GPS points, receiving positive feedback from both participants and other local residents.

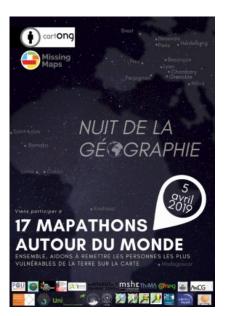




The last part of the mission consisted of supporting and training the Maroni Lab team in organizing this data in a database and producing several analysis maps. An emphasis was put on producing maps that conveyed a simple and visually attractive message and reflected the thoughts and opinions of local inhabitants. The 12 maps produced were finally present to the residents who quickly expressed ideas on how they could use them: bringing their neighbors together to better analyze problems within the areas and find solutions, presenting them to the municipal team, organizing an exhibition, to name a few.

Following the end of the mission, the Maroni Lab organized a meeting with local institutions which led to several constructive suggestions on how to improve the living conditions of local residents. The maps are also being used as advocacy tools to give more weight to (pre-existing) analyses or observations that lacked communication materials or concrete data, and will therefore continue to support the Maroni Lab's position and capacity to raise funds for future projects. On CartONG's side, the project made it possible to test the integrated participatory mapping methodologies that we had been developing for several months under "optimal" conditions: a dynamic and well-established local partner, a simple administrative/security context, favorable technical conditions (good level of resolution of the satellite imagery, availability of smartphones and of Internet, etc.). This has allowed us to document and refine many aspects that we can now offer to other partners, even in more difficult contexts.

Capacity building & volunteer team coordination



The Missing Maps project is the basis for our internal capacity building and volunteer team coordination on participatory mapping and OpenStreetMap.

As part of these activities, we coordinate the organization of mapathons, which are now regularly being organized in 4 cities (Paris, Lyon, Grenoble and Chambéry) alongside the ones we also facilitate at universities (University of Besançon, IEDES, IUGA Grenoble, University Chambéry USMB, IEP Grenoble, Alès IMT Mines, ENSG, Lyon ECL, Paris VIII, University Jean Monnet Saint Etienne, Supaéro, etc.), events (Young Researchers Forum in Marseille), with corporate partners (see next page) and the now recurring contribution to the Night of Geography on April 5th. At this occasion, we ran 9 mapathons in 2019 in France and supported events organized by local OSM communities in 6 additional countries. A huge thank you to all the venues that hosted us in 2019 and, in particular, to Le Mug/o79 and La

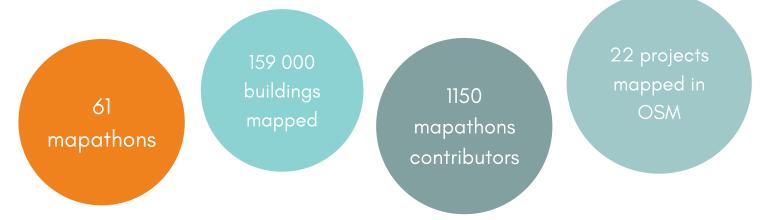
Dynamo in Chambéry, ESSPace and La Paillasse in Paris, Le Tuba in Lyon and La Turbine in Grenoble.



Besides the mapathons, in 2019, we also facilitated twice per week regular remote validation sessions that are critical to censure the quality of our mapping in OSM, thanks to our core team of 10 validators. These sessions allowed our volunteers to train together and benefit from each other's experience.

In December, we also organized a 2-day on-site training on map edition for our volunteers. The 11 participants were able to improve their skills on QGIS so as to produce maps as part of projects that we support on a pro bono basis, for example for the Planètes réfugiés association or our local Missing Maps partners. It also allowed us to move towards the use of a common methodology and of standards between our volunteers and staff team.

Last but not least, volunteer and staff teams also collaborated this year to support not only the projects detailed above but also smaller development activities implemented by NGOs abroad, in particular Karya (Nepal), Ecosur (Equator) and Hydrauliques Sans Frontières (Cameroon).



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





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.







Educ'Aura: objective 2030 project



3 staff
Budget of 21,100€
France



In July 2018, CartONG and its partner <u>Les Petits Débrouillards</u> obtained funding from the European Commission as part of its Frame, Voice, Report! Programme. Our project specifically aimed at raising awareness among the citizens of the Auvergne-Rhône-Alpes region and to encourage them to contribute to the achievement of the Sustainable

Development Goals (SDGs) by 2030, using participatory mapping, scientific mediation and awareness raising.

For this second semester of implementation, CartONG and Les Petits Débrouillards organized 3 awareness raising sessions for young people aged 10 to 17 in Chambéry, Clermont Ferrand and Ambert centered around the concepts of sustainable development, migration, but also the inequalities in terms of access to drinking water worldwide. Following the same logic, Les Petits Débrouillards set up a "Resourceful city" ("Cité débrouillarde" en français) for 8 women living in a working-class neighborhood of Clermont Ferrand in order to help them build a shared garden.



Both associations also took part in 3 international solidarity festivals in the region via: 1) the organization of a Mapathon and of the exhibition "When maps speak to us" as part of the Transfo festival in Grenoble, 2) the deployment of the trunk "Being humans, living together" as part of the Marché de la tolérance in Chambéry, 3) and finally the organization of games on access to safe water and education worldwide for schoolchildren as part of the Lafibala festival.

Two conference-debates were also organized in February and April 2019 in Lyon in partnership with the HI Institute on Humanitarian Action. These two events focused respectively on the following themes: "NGOs and climate change: are projects and organizations equal to the Sustainable Development Goals?" (in the presence of representatives from Humanity & Inclusion France, Groupe URD, Care France, and the University of Lyon II) and on "Gender equality projects at local, national and international levels" (in the presence of representatives from Humanity & Inclusion France, Regard de femme, the AuRA Regional Department for Women's Rights and Equality and the University of Lyon I). These conferences enabled CartONG to raise awareness among a group of fifty people.



Finally, two sessions of the "Apprentis Reporters" activity (i.e. young reporters) were organized in June 2019. These sessions aimed to raise awareness about the concept of Sustainable Development among the young inhabitants of the AuRA region through the organization of meetings with local actors specialized in this subject. This activity was carried out with 7 students from the Savoie Second Chance School aged 17 to 20 who were able to interview and discover the concrete actions of two associations based in Savoie – E-Graine Chambéry and J'aime Boc'ho.

This project has allowed us to experiment new awareness raising methods and work with partners specialized in education about international solidarity. Even though it's not a core area we plan to develop in the future, it was an interesting way to network locally and learn possible improvements for our awareness raising activities such as mapathons.



Thank you to our Educ'Aura donors!







IM support for Bioforce









2 staff
Budget of 15,300€
France & Central African Republic



MDC & GIS training at the Venissieux Bioforce Institute

As usual, CartONG conducted one or two-day interventions in a dozen of trainings at the Venissieux Bioforce Institute to heighten awareness amongst project managers, WASH coordinators and logistician profiles on the uses a good mobile data collection and mapping can be put to in the international and national solidarity sectors.

IM assessment for the SPONG

CartONG has also supported the Bioforce Institute in its projects to strengthen local capacities in favor of an increased resilience of local populations and better crisis response. As part of a project implemented in consortium by Bioforce in Bangui (Central African Republic) and financed by the European Union Trust Fund for the Central African Republic (called "Bêkou Fund"), CartONG carried out a diagnosis of the information management needs of the Permanent Secretariat for NGOs (SPONG) of the Central African Republic during the summer 2019.



The SPONG team receiving the maps produced by CartONG as part of the collaboration

At the end of the preparatory phase, mainly composed of a documentary review, an exploration of existing data sets and the pre-identification of technical scenarios, as well as a field mission that allowed for interviews, workshops and meetings with external actors, a diagnostic report was produced. This report included a needs assessment, an analysis of the strengths and weaknesses of the system currently in place in the SPONG, proposals for technical scenarios and a capacity building plan. Finally, two maps were produced to support the SPONG in its everyday mission. It should be noted that support for this project will continue in 2020 with planned support for the operationalisation of the SPONG's databases.

13 Interventions at the training institute





GIS strategic support for HI



5 staff Budget of 14,400€ Chambéry (France)



In 2019, CartONG was selected to support Humanity & Inclusion (HI) on a GIS needs assessment and initial support to launch a more comprehensive GIS strategy covering HQ and field. For this purpose, CartONG evaluated the needs in terms of GIS by interviewing the key players to identify their current usages and practices, as well as their

expectations and difficulties in terms of geodata and geoproducts and reviewed the GIS-related documentation and tools used by HQ and field operations.

The result of this needs assessment was a report that CartONG sent to Handicap International giving an overview of the current situation and needs, with a list of short and long term recommendations and potential scenarios. These recommendations and scenarios were then discussed with the HI team to help them think through their options for a GIS strategy to take off in the organisation, according to its financial, technical, HR constraints and the opportunities that a greater use of geodata and geoproducts would bring for certain key sectors of HI and different support functions. The collaboration will continue in 2020 to organise awareness raising sessions around the question of GIS and also to continue thinking through the best way forward.

"CartONG has done quality work that has helped us take a step back from our mapping uses and existing needs on the subject. This analysis has allowed us to identify ways to develop the use of GIS within our organization, and should lead to concrete actions in 2020."

- Florian Pujol, Data & Information Manager



7 key suggestions

4 scenarios for scale-up



Maps from here & abroad project



3 staff Budget of 10,400€ France







In May 2018, CartONG launched the Maps from here & abroad project - thanks to the financial support of the Migrant Solidarity Committee of the Fondation de France. This project of social inclusion for migrants was FONDS POUR LE implemented throughout France and was based on two DEVELOPEMENT mapathons and sensitive main activities: workshops.

After spending the year 2018 creating workshops and facilitating activities, CartONG dedicated the year 2019 to the capitalization of the methodologies tested and their dissemination (see also the project with Care Haiti page 38). In particular, a toolkit was published in May to document sensitive and participatory mapping approaches used with a migrant audience. In addition to resources consolidation work, CartONG organized 3 mapathons in Nanterre, Ambérieu en Bugey and Grenoble. We were also asked to speak at a conference-debate on migration



and to present exhibition of sensitive maps as part of the Ensemble Agir Pour Demain Forum (i.e. acting together for tomorrow) organized in February 2019 by Pays de Savoie Solidaire in Chambéry. Finally, 2019 also allowed CartONG to accompany a group of students from the University of Paris I in the design of a project aiming to map existing support services for migrants according to a participatory approach. These workshops were organized with the residents of the Jean Quarré Centre (Paris) run by Emmaus Solidarité.

In May 2019, the Maps from here & abroad project began a new phase of development in Savoie with funding from the FDVA fund (Association Life Development Fund). This funding led to new commitments from local partners, to accompany a group of students from the University of Savoie-Mont Blanc in the creation of a urban walk for a group of asylum seekers, as well as to present two exhibitions of sensitive maps as part of the Festisol festival as well as the Migrant'scène festival. This new phase of the "Map from here & abroad" project will continue its path until the end of May 2020, alongside several workshops.

New funding avenues in France and Europe are currently being considered to enable the Maps from here & abroad project to become sustainable and to implement the existing methodologies on a larger scale.

exhibitions

2 student projects



IM support for Groupe URD



i





4 staff
Budget of 10,300€
Remote in Chad, Nigeria, Niger and
Cameroun





The RESILAC (Lake Chad Inclusive Economic and Social Recovery) project and consortium – which is implemented by numerous international and local partners including Action contre la Faim,

CARE and Groupe URD – identified early on the need to improve the way it managed Information Management. Aware of the complexity of the subject, the RESILAC project wanted to call on a specialist to assist it in the matter. Since the beginning of 2019, CartONG has therefore been supporting Groupe URD, which is in charge of the Information Management component of the consortium's Monitoring & Evaluation System. Our support can be broken down into several phases:

- ⇒ Phase 1 (mid-2019): conducting an Information Management diagnosis to formalize the needs of stakeholders, identify existing constraints and opportunities, and propose solution scenarios
- ⇒ Phase 2 (end of 2019–2020): deployment of a pilot Information Management system accompanied by capacity building activities for the teams involved in the pilot sites.



CONCEPTION ET MISE EN PLACE PILOTE D'UN SYSTEME DE GESTION DE L'INFORMATION PHASE 2

RAPPORT DE DIAGNOSTIC EN GESTION DE L'INFORMATION

CONSORTIUM RESILAC
GROUPE URD

Données collectées entre Mai et Juillet 201: par Paloma Casaseca et Lisa Daoud (Groupe URD Rapport rédigé en Août 201: par Edmond Wach avec le support de l'équipe CartON

info@cartons orn I www.cartons.orn

Due to various constraints (in particular security ones), the deployment of CartONG IM specialists in the field was not possible for the first phase of support. CartONG therefore had to formalize a detailed Information Management diagnostic methodology and provide remote support to Group URD teams in collecting the data required for the diagnosis. In order to triangulate the information obtained, the said diagnosis was done approaches such as semi-directive interviews, collaborative data flow mapping workshops, observations of current practices, a self-administered skills assessment questionnaire, etc. The data collected at the regional level and in 3 of the 4 national cells of the project - Niger could not be included for security reasons - made it possible to identify the main strengths and weaknesses of the consortium in terms of Information Management towards the end of the summer 2019. Since then, CartONG has continued to support the consortium through the design and deployment of a regional dashboard (and new databases) to facilitate the follow-up of the project as well as through

the completion of a data literacy training.



Operations in 4 countries supported



Mapping support for Care Haiti





3 staff Budget of 9,700€ Haiti



CartONG was in Haiti in June 2019 as part of the "Vil nou pi si fanm yo" project, an initiative led by CARE's office in Jérémie and funded by UN Women.

This project specifically aimed to identify and map unsafe or high-risk sites for gender-based violence in 7 neighborhoods in the city of Jérémie, using a co-construction approach with the youth and women communities residing in these target neighborhoods.

To do so, CartONG trained 13 Care Haiti team members in the use of digital mapping tools and the facilitation methodology of participatory mapping workshops developed for the project. Following the training, CartONG also oversaw the implementation of a first series of workshops in one of the 7 target neighborhoods, which gathered around 20 inhabitants.



CARE Jérémie's teams then carried on the work and organized the remaining workshops in the 6 other neighborhoods by replicating the proposed methodology and with the remote support of our team – both in regards to facilitating the workshops as well as for producing uMap maps.

Paper maps - more suitable for conducting awareness raising sessions - were also produced

thanks to the support of a CartONG volunteer. This collaboration between staff and volunteers enabled the production of 6 paper maps representing the unsafe areas and types of violence encountered by local inhabitants, and the existing solutions to this local gender-based violence problem for the neighborhoods in question.

About 250 people reached across all workshops community mobilizers trained

24 workshops 6 paper maps and uMap produced



Mapping & GIS support for ICRC



5 staff
Budget of 8,300€
Columbia, Venezuela



In 2019, CartONG was solicited to support the ICRC GIS team for two different projects. One was a story map highlighting what role GIS analysis can play when trying to assess the populations' access to street lights in different neighbourhoods of a given city. This included looking at the population density and the intensity of the night lights in different quarters of the town of Buenaventura. The story map can be found here.

The second project was to build an atlas for Venezuela, including dedicated maps created for ICRC but also containing readily available information from the web in

one document which can be used to brief new staff ready to be deployed. One PDF version was compiled, but also all derived products and mxd versions of all maps were handed over, so that ICRC can keep updating the atlas internally.





Exemples of maps produced | Photo credits: ICRC

Venezuela Atlas: 14 maps produced



Data collective project in Senegal with PATH



1 staff Budget of 8,000€ Senegal



CartONG has been a partner of the Global Healthsites mapping project (Healthsites.io) since 2017, to help create an open data commons of health facility data with OpenStreetMap. In 2019, we had our first opportunity to actively support the project in the field as the project was actually recognized in 2018 as "global good" by the Digital

Square program of the leading health organization PATH.

Alongside this recognition came funding to both push a new version of the Healthsites.io platform, and pilot the new technology in Senegal.



Training session | Photo credit: Geomatica

July 2019, we organized with Geomatica (a Senegalese company specialized in GIS) and OpenStreetMap Senegal community, a 2-week mission in Senegal. During the week, we implemented comprehensive data collection campaign of all health facilities in the department de Saint-Louis, in the north of the country. After getting approval from the local head of the Ministry of Health (MoH), we trained a group of 10 young enumerators, members of the local OSM community or staff at Geomatica, for a full day. We used the new Healthsites.io ODK form accessible via the platform, to write the data on OpenStreetMap (using Gather).

The data included detailed attributes on opening hours, number of staff, number of beds, accessibility, power and water access conditions, etc. The enumerators had the rest of the week to cover the full department – a relatively small area for Senegal but which still came with its own logistical challenges. Thankfully our team proved most resourceful and managed to cover entirely the area in time!

The second week of the mission was then dedicated to presenting and promoting our approach to local stakeholders. We organized a workshop, hosted by OCHA, which gathered several key organizations operating in Senegal such as PATH, MSF, AMREF, IntraHealth, etc., which all showed great interest for the approach and brought valuable feedback on how to improve it.





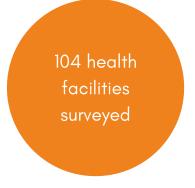
In the field | Photo credit: OSM Senegal

We then met directly with several services of the MoH in Dakar to discuss how to try to embed our approach to the existing operations and data management processes, receiving very positive feedback.

Nonetheless, several challenges remain to achieve sustainable and comprehensive data collection, such as the exhaustiveness, trustworthiness (with the question of curation) of data, integration with existing systems, and local adaptation of a global data model.

This mission was a great opportunity to test in production and full scale the healthsites.io platform with its complete data workflow, and an efficient replicable collaboration mode with Healthsites.io as cornerstone, the OSM community as local focal point, and two professional operators (one international, CartONG, and one local, Geomatica) to coordinate and implement field activities. We will try to push in future implementations the appropriation of the project by the civil society (in particular with OSM), and its use by official stakeholders.

10 volunteers trained



Thank you to our donor & partners!











Development of a Story Map for UNAIDS



7 staff Budget of 5,700€

Mexico, Argentina, Jamaica, Zambia, Uganda, Malawi, Vietnam, Indonesia and Australia



The Joint United Nations Programme on HIV and AIDS (UNAIDS) is the main advocate for accelerated, comprehensive and coordinated global action on the HIV/AIDS pandemic. Some of the activities of UNAIDS include prevention, providing care and support to people living with the

virus and reducing the vulnerability of individuals and communities. In addition to its annual global report, UNAIDS wanted to create story maps to communicate about particular case studies. The selected case studies highlight programmes and activities around the globe.

Key figures: One story map with 9 individual story maps on 150 slides

Emergency Mapping for ACAPS



2 staff Budget of 2,000€



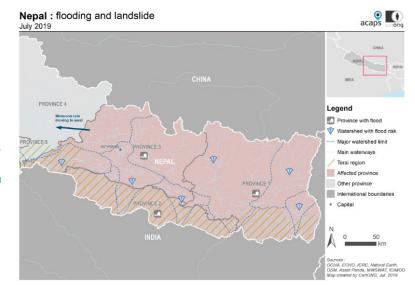
CartONG continued to support ACAPS in producing the maps for their Briefing Notes on topics like population displacement, security incidents and floods, amongst others. In 2019, our cartographers produced a total

of 5 maps for displacements in Burkina Faso, situational update in Venezuela, insecurity incidents in DRC, floods in Nepal and rainfall and food security in the Horn of Africa - a work which is conducted in rush mode that is to say within a few hours.

Here below are he links to the published versions of those notes:

- Displacement in Burkina Faso
- Humanitarian and political map of Venezuela
- Insecurity incidents North Kivu and Ituri
- Floods in Nepal
- Rainfall and food security in Horn of Africa

Key figures in 2019: 5 maps produced in rush mode





Small staff & volunteer projects in 2019









In 2019, our teams also conducted small-scale projects in support of the following 3 organizations, and our volunteers implemented 2 projects in Germany and in South America.







EPFL

CartONG was contacted in June by the Cooperation & Development Center of the Ecole Polytechnique Fédérale de Lausanne (EPFL) to support the development of a GIS platform for local authorities in Argentina that EPFL was counselling. After a first assessment, we identified that it was more relevant for them to work with local contractors, and therefore only provided mentoring on how to build the project requirements, identify risks and chose contractors, via two brainstorming workshops.

Planète Réfugiés Droits de l'Homme

The CartONG volunteer team produced 6 maps for <u>Planète Réfugiés</u> on the number of death penalty prisoners in the world to support an event organized on this topic at the Law faculty of Grenoble.

Ecole Nationale des Sciences Géographiques

CartONG collaborated with ENSG on the production of a Massive Online Open Course on Geomatics & the Humanitarian World, which led to the release of three different videos:

- ⇒ <u>What humanitarian mapping is all</u> about
- ⇒ What CartONG's role is in the sector
- ⇒ Examples of GIS & MDC work

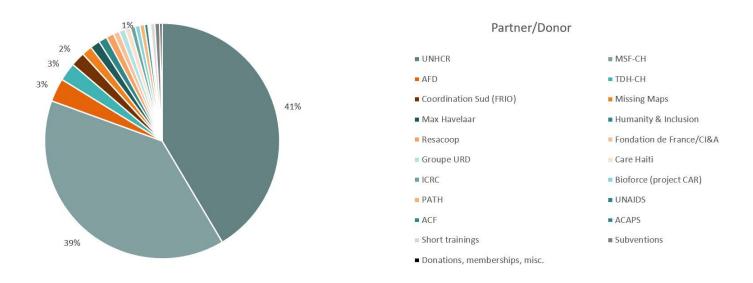




FINANCIAL REPORT

2019 ACCOUNTS

After several years of fast growth for CartONG, 2019 was a year of stabilization, with a budget of 1,246,190€ (+9%). This reduced growth has led to a slightly negative balance of -3510€. The situation is however not preoccupying since 2019 has been a year of significant investments for our organization (see next section) and scaling up of the team, which should give us space for growth and a positive balance again next year.



Our two main partners - MSF and UNHCR - have continued to be by far the main contributors to our budget. We have also acquired a few new partners and donors this year (Groupe URD, Care Haiti, Max Havelaar France/Fair Trade, etc.) and maintained relationships with several others - including with the French Development Agency (AFD) that is becoming one of our key donors.

For the most part, our budget remains funded by our humanitarian partners (94%), with a lower proportion coming from public and institutional donors this year (4,8%) as well as corporate partner donations (0.3%) due to the evolution of the funding model of several projects. The remainder is coming from training sessions (0.6%), individual donations and membership fees (0.1%), and miscellanea (0.2%).

Our expenses amounted to 1,249,700€. They were split between salaries & social charges and consultants (81.5% vs. 81.4% in 2018), equipment expenses (2.3% vs. 2.6%), office costs (3.4% vs. 2.5%), transport & mission fees (5.2% vs. 6.3%), insurance, bank & various fees (4% vs. 3%), taxes (2.3% vs. 1.7%), amortization (1.1% vs. 1.3%), and event organization costs (0.2% vs. 1.2%).

The repartition of the expenses remains therefore very stable. We have reinforced almost all our fields of activity this year, reflecting our diversified portfolio, with the recruitment of a second web-developer, 2 additional GIS specialists, a second product owner, an Information Management specialist, plus a now full-time administrative assistant. In total, we now have 20 employees (inc. 12 permanent contracts), in addition to our interns (~3/year), service civique volunteers (~4/year) and long-term consultants (6).



FINANCIAL REPORT

FEEDBACK ON THE INVESTMENT PLAN

The 2018 surplus of 42,700€ - that needed spending in 2019 - was allocated to the following investments, based on the decision of CartONG's board:

- ⇒ 14,090€ to our security savings;
- ⇒ 4,270€ to the volunteer projects, including 3,270€ for the open call for volunteer's project ideas (which, cumulated with the leftover from the previous year, amounted to 7,510€ available see next section for more details on the use of this amount) and a 1,000€ open line for miscellaneous minor expenses, of which 790€ have been spent on servers and the participation of 2 of CartONG volunteers to the SOTM Africa conference.
- ⇒ The 24,340€ for general investments have been fully and exclusively used as a co-funding alongside the FRIO funding (24,500€) received from Coordination Sud for our project to improve our data protection practices in line with the GDPR see Highlights section page 9 for more information (with a budget extension of 1,100€ on this project in the end).
- ⇒ The long-term security savings of CartONG therefore amount to a new total of 158,660€ and 7,510€ will be available on top of the new budget for next year's volunteer projects call for ideas.

Our complete financial report compiled by our accountant is available for partners & donors, contact us at: info@cartong.org to receive a copy.



PERSPECTIVES FOR 2020

BUDGET

As usual, CartONG's board has adopted a rigorously planned budget for 2020, for a total of 1,162,700€ (expenses & incomes), a slight decrease from 2019 that will most likely be compensated by unforeseen new projects acquired over the course of the year.



The expected breakdown of expenses is stable, with a similar proportion of salaries & consultants (83.5%) slightly higher mission & equipment (8.3%) and lower on office & other costs (8.2%) than 2019, partly due to the conservative estimate.

INVESTMENTS

Due to the absence of surplus in 2019, we will not launch a new investment plan in 2020. However, the projects selected via the 2019 Volunteers' Call for Ideas in November 2019, will actually be implemented throughout 2020. 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).
- ⇒ 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.
- ⇒ If the full budget of the 2019 volunteer internal fund (7,510€) is not used in full for those 2 projects, we may also conduct a Call for Ideas in 2020.



PERSPECTIVES FOR 2020

PROJECTS

The following key projects are foreseen for 2020:

- ⇒ The partnership with MSF will continue, accompanying the finalization of their scaling up program called "GeoMSF" and supporting them in building the future of their GIS ecosystem;
- \Rightarrow The partnership with UNHCR will enter in the second year of the current 2-year agreement, with continued support on IM & GIS activities;
- ⇒ We will start implementing the activities of our new 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 projects) or launch several new projects with their support (see pages 25 to 27 for more details).
- ⇒ We will pursue our participation to the Missing Maps project, with a potential project in Mayotte, as well as continue implementing the Maps from here & abroad project in France;
- ⇒ We will continue supporting Groupe URD in the Lake Chad region, as well as the Max Havelaar/ Fairtrade movement;
- ⇒ We will start a new project to support our long-term partner Solidarités International in Bangladesh & Myanmar;
- ⇒ We will continue delivering training sessions at the Bioforce humanitarian school, provide emergency maps to ACAPS and other smaller organizations and initiatives.

CROSS-CUTTING ACTIVITIES

Following a restructuring year in 2019, CartONG is not planning any major crosscutting technical activities in 2020. We however plan to focus on implementing new projects and continuing our work to diversify our economic model.

We expect the main internal effort to be on the support functions of the organization: as we are getting for the first time a significant public French subvention, new regulations will apply to us for which our organization will have to adapt. To do so, we will create a Director of Finance & Administration position (DAF in French) to share the responsibilities of our current Technical Director.

To support the work undertaken to improve the overall management of our organization, following the release of our "Associative Project" in 2019, we will work, in 2020, on our development strategy as well as a volunteer & associative life strategy.

Last but not least, the 7th edition of the GeOnG Forum will also be organized in Chambéry in November 2020 on the topic of "People at the heart of Information Management: *promoting responsible and inclusive practices*." We will aim to attract a greater, more diversified audience and more sponsorship than in previous editions, as well as provide – as always – a well–thought–out program on the key Information Management issues currently faced by the aid sector.



ACKNOWLEDGMENTS

CartONG wishes to thank all of the organizations that supported and accompanied its projects and initiatives in France and abroad in 2019, namely:

ACAPS Groupe URD Missing Maps

Action Against Hunger Healthsites.io Ministry of Health of Senegal

Agence Française de Développement HI Institute on Humanitarian Action Médecins Sans Frontières-Suisse

Alès IMT Mines HOT Nomad maps

Alfa 3A HSF OCHA
AMREF Humanity & Inclusion OSM Burkina Faso

Apoyo urbano Hydrauliques Sans Frontières OSM France

Arvalis ICRC OSM RDC

Aurore IEDES OSM Sénégal

Besançon University IEP Grenoble Paris I University

Bibliothèques sans frontière IntraHealth Paris VIII
BUKA IUGA Grenoble PATH

Bioforce Institute J'aime Boc'ho Pays de Savoie Solidaires

CADA de Montmélian Jean Monnet Saint Etienne University PEFL

Care France Jean Quarré Centre Planète Réfugiés Droits de l'Homme

Care Haiti Karya RCF Chambéry & Lyon
Centre Socioculturel des Combes - Les L'âge d'or Regard de Femme

Centre Socioculturel des Combes - Les L'âge d'or Regard de Femme Hauts de Chambéry La Direction régionale AuRA aux Droits Resacoop

Chambéry Ouahigouya des Femmes et à l'égalité Resilac consortium
Chambéry USMB University La Dynamo Salzburg University

Coordination Sud

La Paillasse

Savoie E-graine Chambéry

CNFG

La Turbine

Savoie Mont-Blanc University

CPH Moûtiers

Lafibala Festival

Savoie Second Change School

CPH Moûtiers

Latibala Festival

Savoie Second Chance School

Le Mug/o79

Service civique

Ecosur

Le Tuba

Egraine Le Tuba SINGA Grenoble

Les Petits Débrouillards Solidarités International

Emmaüs Solidarité Lyon ECL SPONG
Ensemble agir pour demain Forum Lyon I University Supagra

Ensemble agir pour demain Forum

Lyon I University

Supaéro

Terre des hommes-CH

EPFL

Magellium

Transfo Festival

ESSPace Mamapa UNAIDS

European Commission Mapaction UNHCR

FairTrade-NZ Mapping Event Digital Public Health UN Women

FDVA

Conference

Vél'Osons

Fastisol

Marché de la Tolérance

Festisol Marché de la Tolérance Ville de la Motte-Servolex

Maroni Lab

Yaam Solidarités

Max Havelaar France

Migrant'scène Festival

Fondation de France

Max Havelaar France

Young Researchers Forum

Médecins du Monde

THE WARMEST THANKS TO ALL OF OUR VOLUNTEERS AS WELL!



Geomatica



THANK YOU TO ALL OF OUR MEMBERS, VOLUNTEERS & PARTNERS

Follow our projects & find more resources on

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