cartONG

Mapping and information management for humanitarian organizations

ANNUAL REPORT
2013

Association CartONG

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CONTENTS

INTRODUCTION

During the last 12 Months CartONG has created maps, collected data with smartphones, created a Map Center, compiled geodatabases, trained local and international staff, attended solidarity and GIS events, organized the NOMAD workshop… and provided many more services for our partners and beneficiaries, all around the world.

2013 has unfortunately been a busy year for humanitarian actors with many political conflicts in Syria, Democratic Republic of the Congo, Central African Republic, Sudan and South Sudan, and more, as well as natural disasters such as typhoon Haiyan in November. Our NGO kept on providing mapping and information management services to our partners' projects, facilitating humanitarian response and assisting populations in need. On our professional activities' side, besides our historical partners we are still collaborating with, we have also developed major new projects with several different NGOs and international organizations. This has meant that we were capable of stabilizing the employ and number of staff, which is a good sign for the future. On our volunteers' side, an important increase in the number of volunteers has allowed us to start implementing new projects!

We thank all our partners, members and volunteers for their renewed support and wish you all the best for 2014 and a good read!

Maeve de France, President

With the growth of volunteer activities this year, we have integrated them in this report together with the staff projects. To distinguish them, staff projects (funded by partners and implemented by employees) have a **blue Overview box**, and volunteers projects (limited or no funding and implemented mostly by volunteers) have an **orange Overview box**.
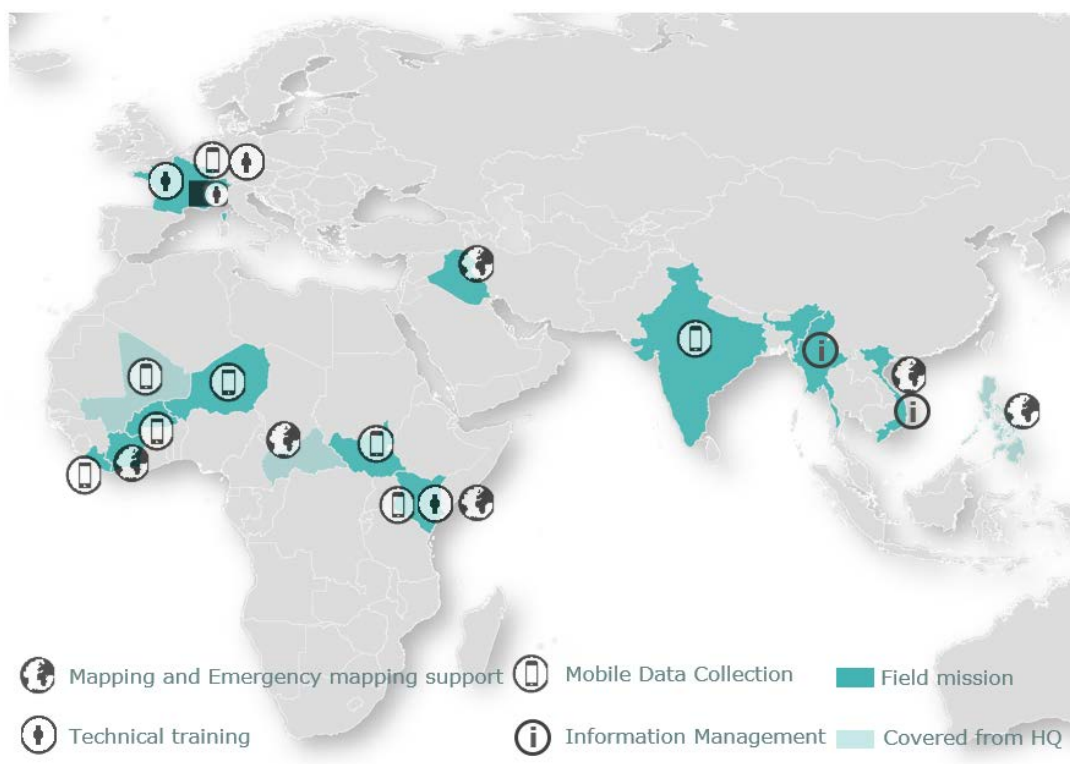
OUR EXPERTISE

CartONG offers services to humanitarian and development organizations on all the technologies of information management, and particularly geographic information. We offer our partners state-of-the-art tools, while being always sensitive to sustainability and cost-efficiency of the solutions.

Our activities:

➜ Mapping, data collection on the field and digitizing
➜ Research, compilation and curation of geographic data
➜ Geoservers, webmapping and online datavisualization tools
➜ Data collection, in particular with mobile devices (smartphones/tablets)
➜ Data analysis to support decision-making
➜ Information management workflows and procedures
➜ Visualization of data for reporting or communication
➜ Analysis of spatial data and satellite imagery
➜ Capacity building: training in GIS, GPS, mobile data collection, databases, data analysis
➜ Creation of e-learning modules
➜ Outreach on geographic information tools, awareness building inside the humanitarian community regarding adapted tools and procedures
➜ Research and compilation of best practices on information management & mapping

Where CartONG works

In 2013, CartONG employees, consultants and volunteers, whose headquarters are in Chambéry, worked in Burkina Faso, France, Germany, India, Iraq, Ivory Coast, Kenya, Liberia, Mali, Myanmar, Niger, South Sudan, Switzerland and Vietnam.

Mapping and Emergency mapping support · Mobile Data Collection · Field mission
Technical training · Information Management · Covered from HQ

⚠ All budget figures are rounded for better readability.

2013 PROJECTS

1. Mobile technologies

1.A. Information on mobile solutions through the NOMAD consortium

OVERVIEW		
	Staff involved	1 employee (manager), 3 consultants (social media, media specialist, designer) & 1 intern (event)
	Contractor	NOMAD consortium, funded by the Humanitarian Innovation Fund (December 2012-March 2013)
	Budget	24,200[1] (+ additional 4800€ from workshop proceedings)
	Beneficiaries	Any humanitarian actor interested in mobile data collection
	Location	Global; France
	Content	The NOMAD project helps aid organizations adopt state-of-the-art digital tools in data collection, for assessment and monitoring, and particularly in emergency contexts.

Mobile data collection, i.e. the use of smartphones or tablets to collect data, has encountered a growing interest these last years amongst aid organizations. It has many advantages compared to classic paper-based forms: it is faster to fill and compile, more accurate, can collect various types of data (including GPS coordinates, pictures, sound) and is user-friendly and motivating for the teams.

A lot of different solutions exist depending on the device used, the features required (cloud or offline, SMS, etc.) and the cost. To help humanitarian information managers navigate between this wide offer and find the solution most suited to their need, CartONG is animating the **NOMAD consortium** with **iMMAP**.

NOMAD released in 2012 the first version of its **Online selection tool**, an assistant designed to suggest the solution most fitting to an user's needs based on a short questionnaire. Thanks to a grant from the Humanitarian Innovation Fund, we were able to reshape and completely update the online assistant in 2013.

The HIF's support and the hosting of the French Space agency CNES have also allowed us to organize a new **NOMAD workshop** on May 15th-17th in Paris. The event was

designed so that mobile data collection tools providers could connect with the humanitarian professionals interested by these technologies. It was a major success: more than 70 attendees, from around 20 countries, had the chance to exchange directly with 10 solution providers and remotely with several others, and to discover case studies from various aid organizations.

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[1] The HIF project started in December 2012, however only the costs that occurred in 2013 are included here.

CartONG and iMMAP intend to continue these activities in 2014 for the benefit of the whole humanitarian & development community, although the lack of sustainable funding is always a challenge for this project.

1.B. Mobile data collection for UNHCR & JIPS

<table>
<tr><td rowspan="6">OVERVIEW</td><td>Staff involved</td><td>4 employees (developers and trainers)</td></tr>
<tr><td>Contractor</td><td>United Nations' High Commissioner for Refugees (PHS and[2]), Joint IDP Profiling Service (JIPS)</td></tr>
<tr><td>Budget</td><td>68,900€[3]</td></tr>
<tr><td>Beneficiaries</td><td>UNHCR teams at headquarters and on the field</td></tr>
<tr><td>Location</td><td>Burkina Faso, Kenya, Liberia, Niger, India</td></tr>
<tr><td>Content</td><td>Building survey forms for rapid data gathering in the field with Android mobile technologies.</td></tr>
</table>

Supporting the UNHCR in using Android smartphone to improve their data collection on the field has been one of CartONG's most important project since 2010. After two years of testing, the technology is fully scalable since 2012. On its yearly report, UNHCR:

> *"recommends the use of smartphones for data collection due to more convenient data collection with improved error control, no need for data entry into computers and less data cleaning. This new technology has resulted in higher quality data being collected with less burden on enumerators at a lower cost than paper based surveys, as well as quicker dissemination of results."*
> - "Use of Smart Phone in UNHCR SENS", UNHCR

Mobile data collection has therefore been used again in 2013 in various contexts and countries:

➔ Support Standardised Expanded Nutrition Survey (SENS) in refugees camps through three missions for the **Public Health section of UNHCR** (**Burkina Faso, Kenya and Liberia**). The data is collected by using Android smartphones and ODK applications. CartONG's tasks usually comprise: coding/ adapting different questionnaires in XML format, training survey managers

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[2] Public Health Section

[3] Estimated, since the full project with the respective UNHCR sections contained more elements than Android surveys. The budget for Android surveys also includes any training activities related to the topic.

and enumerators on the technology and the data flow, and continued remote support until the survey is completed.

➔ A full week training on MDC of UNHCR SENS survey managers and their IT colleagues took place in Naivasha, Kenya for the first time. More than 20 staffs from UNHCR and partnering organizations participated to the training. Pilot Monitoring of Blanket Food Programme providing supplementary feeding for 6000 children from 6-59 months: mission to **Niger** with the **Public Health Section of the UN refugee agency** (UNHCR). Mobile Technology is used to assess different ways of tracking the attendance and monitor the efficiency of the program.

➔ A mission with the **Joint IDP Profiling Service** (JIPS, a consortium of humanitarian organizations including UNHCR and other refugees agencies) to **New Delhi, India**, for urban profiling of different refugee groups and Indian migrants, followed by a coding training in Geneva. Since an urban setting comes with different requirements, also GPS coordinates were collected to get a sense of the distribution of the target population[4].

1.C. Mobile data collection for Terre des Hommes-CH

<table>
<tr><td rowspan="4">OVERVIEW</td><td>**Staff involved**</td><td>1 employee (IM officer), 1 intern</td><td>**Budget**</td><td>5,900€</td></tr>
<tr><td>**Contractor**</td><td>Terre des Hommes-Suisse</td><td>**Location**</td><td>Burkina Faso</td></tr>
<tr><td>**Beneficiaries**</td><td colspan="3">TDH's teams and beneficiaries</td></tr>
<tr><td>**Content**</td><td colspan="3">Supporting the transition to mobile data collection surveys</td></tr>
</table>

A food security survey was supported for **Terre des Hommes-Suisse** through a mission to **Burkina Faso**: CartONG helped TdH to switch to mobile data collection using smartphones for a survey Terre des Hommes is repeating twice a year to follow the food security situation in Sourou region. Our team coded the questionnaires, set up all the smartphones and trained the NGO's local staff to use the tools.

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[4] The final result can be found at
http://cartong.org/admin/reports/pubdlcnt/counter/original_Urban_Profiling_of_Refugees_Situations_in_Delhi.pdf

1.D. Mobile data collection for REACH

OVERVIEW	Staff involved	1 employee (IM officer), 1 intern	Budget	11,800€
	Contractor	REACH consortium	Location	South Sudan
	Beneficiaries	REACH consortium, partners and beneficiaries		
	Content	Supporting mobile data collection survey		

CartONG also conducted a mission to **South Sudan** for the **REACH consortium**, supporting a household economy analysis as part of the BRACE (Building Resilience through Asset Creation and Enhancement) programme with smartphone technology. Our tasks covered questionnaire coding, developing the survey procedures for mobile technology aspects, training enumerators and supervisors as well as remote support.

1.E. Remote support for UNICEF

OVERVIEW	Staff involved	2 employees (IM officer and IT)	Budget	4,100€
	Contractor	UNICEF	Location	Mali (remotely)
	Beneficiaries	UNICEF Mali team and their beneficiaries		
	Content	Information management support: support for the assessments of schools and health centers		

Responding to a Call for Proposals, CartONG was selected by **UNICEF** together with our colleagues from MapAction and iMMAP to provide **mapping and information services for their Western and Central Africa Office**. The first assignment was assisting with streamlining questionnaire and methodology for their smartphone-based assessments of schools and health centers after the crisis in **Mali** in remote support.
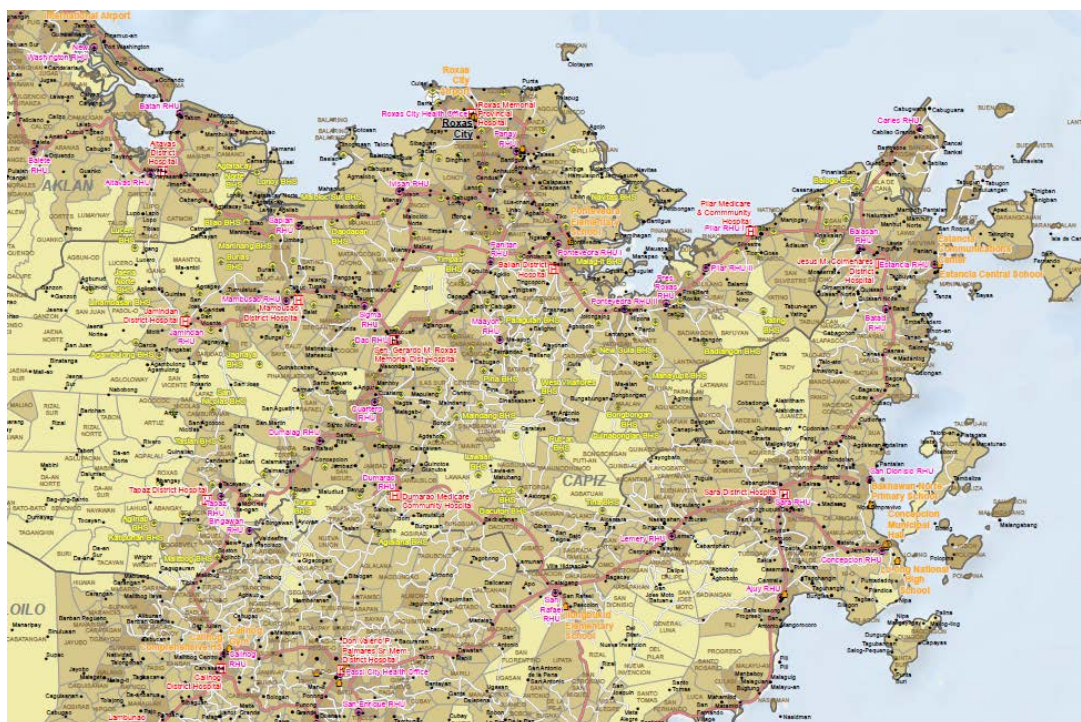
2. Mapping and GIS

2.A. Mapping and GIS strategy for MSF-CH

OVERVIEW	Staff involved	3 employee (manager, GIS officer) & 1 GIS intern	Budget	23,200€
	Contractor	Médecins Sans Frontières-CH	Location	Global, Geneva
	Beneficiaries	MSF-CH teams at headquarters and on the field		
	Content	Creation of an online Map center and emergency mapping		

A new project started in 2013 with **Médecins Sans Frontières-Suisse**: MSF entrusted CartONG with the pilot of their online **Map center** providing basemaps for their countries of operations and a database with reference data. Additionally, CartONG has been requested to create emergency maps for their deployments.

The partnership has already been successfully tested for the Philippines and Central African Republic crisis, and four MSF countries of operation were covered with base maps in 2013. The project will be expanded in 2014, going from a pilot to a production map centre and supporting more GIS activities and specific requests.

2.B. ArcGIS roll-out for UNHCR

OVERVIEW	Staff involved	2 employees (GIS officer)	Budget	58,100€
	Contractor	UNHCR (FICSS section)	Location	Global; Kenya, Iraq
	Beneficiaries	UNHCR teams & beneficiaries		
	Content	Creation of an online Map center and emergency mapping		

CartONG was involved in the **roll-out of the latest UNHCR GIS** to **Kenya** and **Iraq**. Prior to the rollout, the server needed to be reinstalled to fit ArcGIS requirements. The database was also structured by CartONG, in collaboration with UNHCR GIS staffs to support replication. During the field deployments the software was install with local replicas which launch the test phase of the new GIS strategy. The aim was to connect field GIS Officers to the centralized database with editing rights for some layers. This was also an opportunity for UNHCR HQ to disseminate their new templates and symbology.

CartONG also demonstrated with its partner APDER the potentiality of balloons as an affordable aerial photography device to UNHCR and partners in Geneva.

2.C. Volunteer mapping team

OVERVIEW				
	Staff involved	5/7 volunteers	**Budget**	0€ (volunteers contribution not evaluated)
	Partners	GIS74, SOS Attitude	**Location**	Iran, Mexico, Philippines (remotely)
	Beneficiaries	Populations hit by disasters and supported by the partners		
	Content	Providing base maps and compiling maps produced by relief actors for small NGOs deployed in emergency missions.		

CartONG's objective is to improve the quality and efficiency of humanitarian action by providing mapping and information services to any aid actor in need of it, both for major actors like MSF, but also to smaller actors.

This is why CartONG's volunteer team has developed an emergency mapping team (CUB), which aim is to provide maps to small NGOs deploying in the field after disasters, and that do not have access to mapping resources. The project's idea was born in 2012 and it is now functional. We have already initiated a partnership with two French NGOs (Groupe d'Intervention et de Secours de Haute-Savoie – GIS74, specialized in rescue and first aid, and SOS Attitude, specialized in shelter and post-disaster assessments) and collaborated with others.

The volunteer team produced base maps in a short time frame after activation by the partner (24 to 48 hours) in order for them to bring them to the field. CartONG also collects and compiles various maps produced by other relief actors that could prove useful for our partners (they usually don't have the time and resources to do this data mining before deployment).
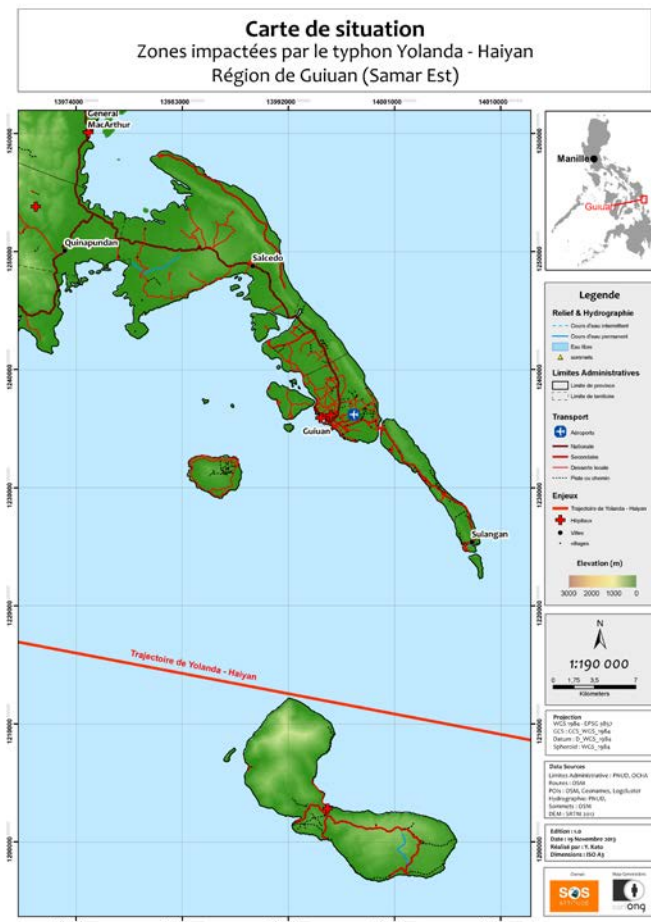
In 2013, the team has been activated for the following emergencies:

➔ Earthquake in Iran in May for GIS74 (the partner eventually didn't have the possibility to deploy)
➔ Floods in Mexico in October for SOS Attitude
➔ Typhoon Hayian in the Philippines for SOS Attitude in November

2013 was the first year of actual activity for the team, these first activations have allowed us to improve our processes and gather a first group of volunteers. The challenges for next year will be to find new partners activating the team, the make sure the results produced fit the needs of our current partners, and to find new volunteers to strengthen the team! Creating synergies with the staff working on similar emergencies (e.g. for the Philippines) and with other volunteers efforts will also be a long-term objective.

Carte de situation
Zones impactées par le typhon Yolanda - Haiyan
Région de Guiuan (Samar Est)

As part of the post-disaster response after typhoon Haiyan in the Philippines, CartONG also joined the Mapathon started by OpenStreetMap-France in Paris on November 22nd, and organized an online live session. The initiative has been successful, and we will reorganize this kind of event in the future! CartONG also helped the VISOV (Volontaires internationaux en soutien aux opérations virtuelles) network, in particular with the identification of the islands most harmed by the disaster.

In parallel to the emergency mapping project, we started to collaborate with the Paris-I University for a "GIS for development" course. CartONG's volunteers have submitted requirements to the students (maps and data mining) that looked like what an NGO could actually need, and then reviewed the results. This collaboration allows on one side for the students to be trained in a practical situation, and on the other side for CartONG to gather data on countries we have defined as priorities for future activations.

3. Development projects

3.A. GiZ Buffer Zone Management and Development Project (Vietnam)

OVERVIEW	Staff involved	1 employee (project manager)	Budget	37,300€
	Contractor	GIZ (German Agency for International Cooperation)	Location	Vietnam
	Beneficiaries	Buffer Zone Development Actors, Province Quang Binh		
	Content	Analysis, Backstopping and assisting with project management of the technical component of the REDD+[5] process and the implementation of its activities		

CartONG has been involved since 2011 in the elaboration of the development plan for the buffer zone communities around the Phon Kha Khe Bang national park in Quang Binh Province, **Vietnam**, by the **German cooperation agency GIZ**.

After being responsible for the thematic and spatial component of the plan and documentation and analysis of the whole process in 2011-12, CartONG continued working in 2013 on the **reporting and technical project management** of the REDD+ project. The project included four support & training missions to the field.

3.B. Cashew nut mapping in Ivory Coast

OVERVIEW	Members involved	1 volunteer	Budget	100€[6] (+volunteer contribution not estimated)
	Partners	Rongead	Location	Ivory Coast
	Beneficiaries	Cashew nut farmers		
	Content	Analysis of cashew nut trees through remote sensing and field verifications		

Following the project started in 2011 with the French NGO Rongead, we deployed a volunteer in Ivory Coast for a mapping field mission on the study of the cashew nut sector. Rongead supports local cashew net farmers by providing them information on the conditions of production and the state of the market. Part of this requires having an overview of the overall production of cashew nut in the north of the country.

After a Rongead volunteer worked in 2011 to draft a classification of the location of the cashew nut trees based on satellite imagery, a CartONG volunteer was sent for 10 days to Korhogo (northern Ivory Coast), to

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[5] United Nations "Reducing Emissions from Deforestation and Forest Degradation program.
[6] 850€ spent in 2012 for the mission in 2013.

verify and refine the classification. Our volunteer collected data and GPS points on the areas that were uncertain, with the support of Rongead's local partner, the NGO Chigata. This data meant that the satellite imagery analysis could be made more reliable.

The loan of two high-precision GPS systems by D3E Electronique greatly helped the mission.

3.C. Mapping platform of grassroots solidarity projects, Madagascar & Morocco

OVERVIEW	Members involved	3 volunteers	Budget	0€ (volunteers contribution not estimated)[7]
	Partners	TSAMAD, Pédiatres du Monde Aquitaine	Location	Madagascar, Morocco
	Beneficiaries	Grassroots NGOs, and indirectly all their beneficiaries		
	Content	Creating a platform to identify grassroot NGOs and community organizations developing solidarity actions in Madagascar and the oasis of Skoura (Morocco).		

Two new volunteer projects have been initiated over the summer in partnership with NGOs from Aquitaine (South-West of France), following a conference organized by the RADSI (network of NGOs in this region) where CartONG was invited.

The first aims at mapping grassroots community organizations developing solidarity projects in Madagascar. The project was created based on the idea of the NGO TSAMAD, a French association active in fair tourism. The idea is to map these small-scale organizations that play a crucial role in the social, educative and WASH system of the country, in order to help them be more efficient through coordination and improved visibility. Our volunteers have defined a strategy and database model, and are currently working on a pilot website that will be released in 2014. The project's full potential is obviously beyond CartONG's volunteers' possibilities, we are therefore looking for partners or funders interested in helping us develop this pilot.

The second one is the community mapping of the Skoura oasis in Morocco, in partnership with the French NGO Pédiatres du Monde-Aquitaine and local organizations. The idea is again to map the local associations working in education, health, social action, etc. but also to improve the base map of the oasis. The project will therefore also aim at creating a local OpenStreetMap community to improve sustainably the mapping of the area. We will try to send a volunteer in 2014 in charge of promoting the project with various actors and train local volunteers.

These two promising projects are currently in the starting phase and would need more volunteers on the technical side but also for project management and fundraising.

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[7] PDM has submitted an application to a small grant for the Skoura project.

4. Capacity building, advocacy and outreach & outreach

4.A. Advocacy for Shelter Cluster

OVERVIEW	Staff involved	1 consultant	Budget	67,900€
	Contractor	Shelter Cluster/UNHCR	Location	Global; Myanmar, Mali
	Beneficiaries	Shelter Cluster members organizations' staff and beneficiaries		
	Content	Designing a global advocacy strategy & products		

CartONG has inaugurated a new field of action this year, supporting the **Shelter Cluster** with a Global Focal Point for Advocacy and Communications. The Shelter Cluster is in charge of coordinating the aid organizations providing emergency shelter after disasters. Our staff was responsible for designing a global advocacy. This included streamlining communication products as well as developing templates.

4.B. Release of the CartoBlog

We have started a project we were planning for a long time: CartoBlog, our technical blog, has finally been released! We'll use it to share our experiences, technical tests, feedback on solutions, interesting articles we read, etc.

The staff and volunteers of CartONG will speak of GIS, mapping, mobile technologies, databases, etc., for humanitarian organizations. But we'll also try to give you tips on workflows and mission planning… anything that can be useful for your daily work! This blog will be managed by our team, but if you'd like to contribute to it, you're most welcome – just get in touch!

4.C. Outreach

Finally, CartONG continued its core mission of disseminating the tools of geographic information through several **events**: OpenStreetMap's State Of The Map France 2013 (Lyon), "GIS for shelter and settlements" workshop (Geneva), 20th birthday of Groupe URD (Plaisians, France), Aquitaine's International solidarity and developpement meetings (Bordeaux), "SIG la lettre" conference (Paris), FOSS4G (Nottingham), OpenKnowledge conference (Geneva), Youphil roundtable on data for humanitarian action (Paris), and of course our now established interventions in universities (Master 2 Carthagéo)…
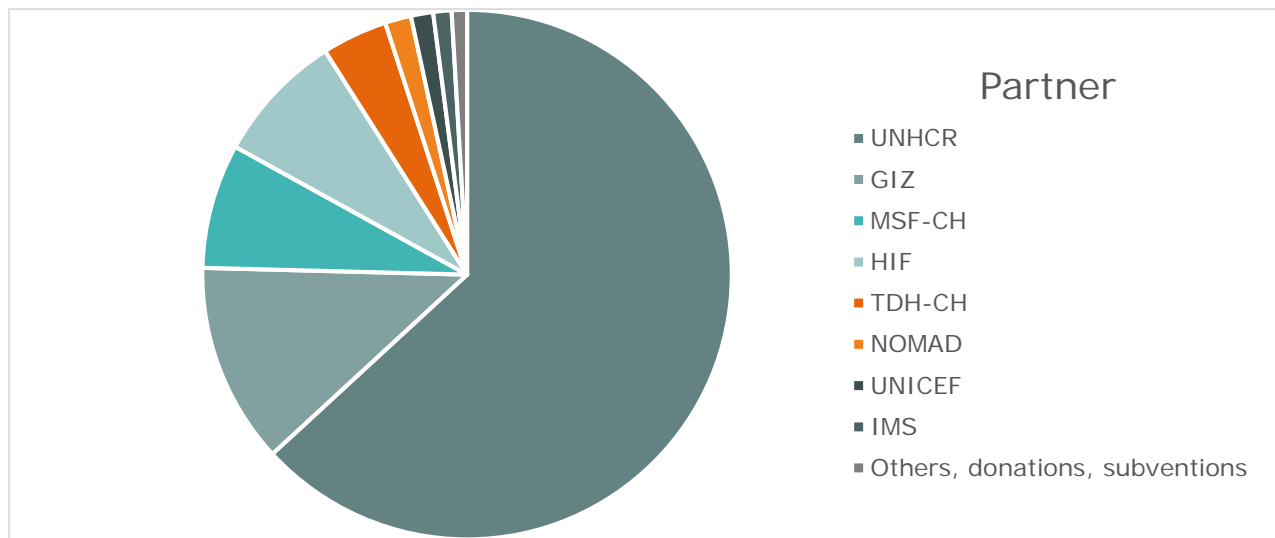
Members of the association also wrote different **articles** to communicate on the need of more organized geographic information in the humanitarian world, notably:

➔ "La technologie au service des crises humanitaires" (M. De France, *Les cahiers de l'IAU IdF*, n°166, Octobre 2013, p. 155-156)
➔ "Digital Maps for Humanitarian Needs" (S. Sudhoff, M. de France, M. Noblecourt, UNESCO APCEIU's *SangSaeng*, #38, Winter 2013)
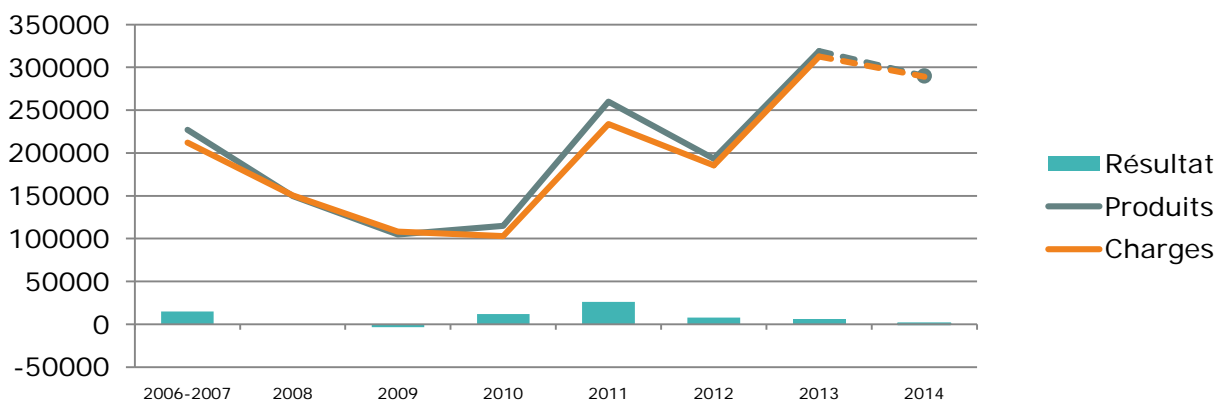
FINANCIAL REPORT

CartONG has finished for the fourth consecutive year with a **positive balance, of 6,900€**. This reflects our careful financial planning, which is necessary to face the relative instability of our field of activity[8]. Like every year, this amount will be added to our security savings, used for unexpected expenses and to develop the association.

CartONG had a **budget of 319,000€** in 2013, funded almost only (99.5%) by the partner organizations we are working for. Our objective to diversify our funding sources and develop our own resources is still an ongoing effort that will be probably better achieved in 2014 thanks to new foreseen partnerships. Here is the overview of our donors in 2013:

The rest of our funds came from public subventions (0.25%) and membership fees and donations, including in-kind by our volunteers (0.25%)[9]. Public subventions are this year minimal (700€), and were connected with the hosting of a "service civique" volunteer for 6 months.

The **budget has increased by two-thirds since last year** (193,000€), making it the biggest in the history of the association, after a year of transition in 2012 when several staff were absorbed by our partner organizations. Growing is not an objective in itself but we expect the budget to continue increasing in 2014 with the development of new partnerships.

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[8] As usually, we have reduced the costs as much as possible, but not all projects/funders allow for savings.

[9] We haven't been able to estimate what represents the overall contribution of our volunteers this year, but will try starting it next year, first on a project base.

Our **expenses** amount to **312,000€** (also increasing from last year's 185,000€). They were split between equipment expenses & offices costs (32.8%), transport & missions fees (14.1%), insurance, bank & various fees (3.7%) salaries & social charges (46.1%) taxes (1.7%) and amortization (1.6%). The distribution is very similar to last year (52% material and missions expenses, 46% salaries and 2% other expenses).

The growth of our overall activity has allowed us to **stabilize a part-time permanent administrator in Chambéry**. It started to become necessary to deliver quality reporting to our partners and ensure coherent accounting, with the increase and diversification of our partnerships. This has also relieved our technicians from some of their administrative tasks, allowing them to be more focused on their core tasks.

This will also permit us to develop our outreach and communication, starting with the development of a new design template developed over the summer – you can see it in this report!

☀ Our complete financial report compiled by our accountant is available for partners & donors, contact us to receive a copy.

Statute revision

CartONG's General Assembly adopted in September a revision of our Statute. This evolution became necessary with the growth of the association; it has allowed us to clarify internal procedures and to formalize good practices we were already applying.

You can consult our updated statute on our website:
http://cartong.org/about/mission-statement

PERSPECTIVES FOR 2014

1. Budget

We have established a **provisional budget for 2014 of 289,000**€, which would be slightly decreasing from 2013. It is however a cautious estimate based on confirmed projects, and we will likely even up the 2013 level by the end of the year.

We have planned a higher staffing line than in 2013 (+37%) reflecting a planned increase of our overall activity, but a decrease of the equipment line (-63%), since we anticipate less purchasing of expensive equipment (computers or smartphone fleets) for our partners.

2. Professional projects

Several key partners have already renewed their support for 2014, allowing us to foresee the following projects:

→ We will continue to support the **UNHCR Public Health Section** on the nutrition surveys and on their overall mobile data collection strategy.

→ We will follow-up with the **FICSS section of UNHCR** on their ArcGIS rollout and additional mapping and information project.

→ We will finish **MSF-CH**'s Map Center and keep producing maps for their field missions and emergencies.

→ The agreement signed with **UNICEF** plans two activations this year, in locations we don't know yet.

→ We will continue to implement the **NOMAD project** with iMMAP, although with no funding secured we will only work on its essential functions (online assistant). We are considering several options for a potential new workshop in 2014.

→ We will again provide support to Terre des Hommes-Switzerland on their mobile data collection activities.

→ We are expecting to implement projects with partners we have already worked with in the past (International Media Support, Solidarités International)

Besides these projects, CartONG intends to develop its **training** activities (online and classroom) in 2014. And we will of course continue offering to NGOs and international organizations a **whole range of mapping and information management services** to improve their actions!

3. Volunteers' projects

The presence of a full time volunteers' projects coordinator for 6 months have given an important push-up to their activities in 2013. The position will not be maintained as it in 2014, however our newly recruited administrator will undertake the most essential functions.

Even though we have advanced a lot on the implementation and creation of projects in 2013, two essential (and linked) challenges remains for next year: stabilizing and increasing our volunteer team, and securing funding to implement their activities. The first one is necessary to implement all our activities, but also to ensure their sustainability (a volunteer can't offer the same level of commitment than a full-time employee, it is therefore safer to share responsibilities).

The second will become more and more crucial as our volunteer activities grow: if it is possible to develop pilots and provide remote supports, some of our new projects will require field deployments that will not be possible without dedicated funding. Also, the new part-time but permanent position of volunteers' projects coordinator undertaken by an employee is currently financed by the general budget of the association, which is not sustainable and reduce our possibility to invest in new projects.

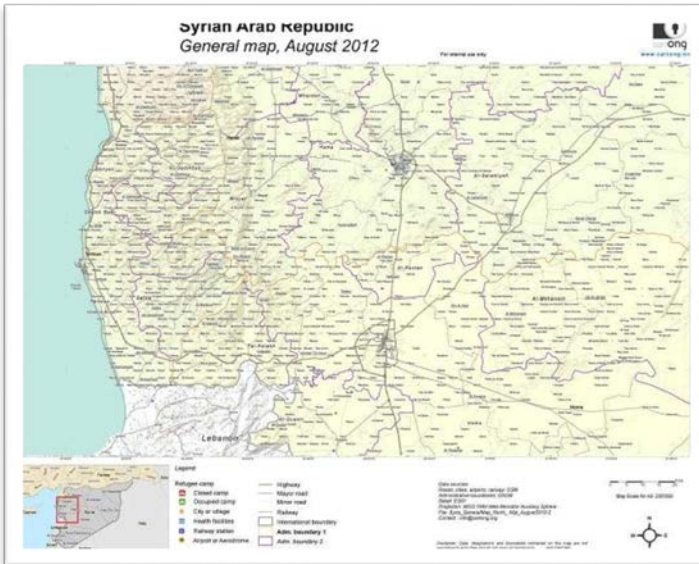The following projects will be started or will continue in 2014:

➔ The **volunteer emergency mapping team** will continue its activity, and try to improve its workflow and the quality of its production. We will also search for new partners that could benefit from this service. The collaboration with Paris I university should also continue.

➔ We will start implementing the platforms for the **Madagascar and Skoura projects**, with the launch of a pilot website for the first one and hopefully a field mission for the second.

➔ Based on the suggestion and skills brought by a volunteer, we will try to implement a field project using an **Unmanned Aerial Vehicle (UAV) to produce high-quality imagery that will be used for community mapping in Haiti**. We already have the skills and partners (within the Haitian OpenSteetMap community) for this innovative project, but need funding to be able to send a volunteer on the field and train the Haitian partners.

The development of all these projects will only be possible with **new volunteers**. We are looking not only for experts in mapping or programmers, but also people interested in project management, fundraising, translations, event organization, etc. And if you'd like to support CartONG but don't have a lot of free time, you can also become a member of the association or donate to us (donations are tax exemptible in France at a 66% rate – check in your country what is the applicable law).

We will also keep on working on one of our long-term objectives: **obtaining funds for the volunteer activities** (which have a small but significant cost for trainings, material, transports, coordination, etc.). The UAV project will be submitted as a proposal to donors, we have also recently implemented a new platform to make donations more user-friendly[10], but we'd still need more funding to support our core activities (outreach, coordination, administration, etc.). This will allow us to pursue our mission to provide pro bono services to small NGOs who would have no access to it, or to support innovative projects like the UAV program in Haiti.
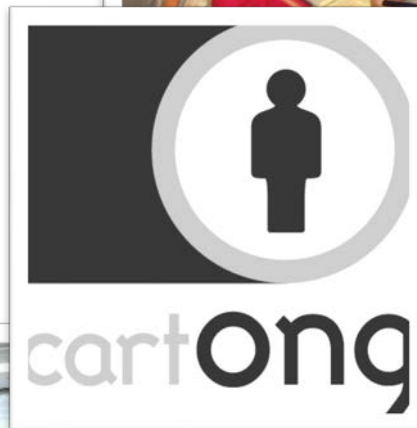
And last but not least, as every even year, we will organize the **GeOnG conference** in Chambéry. The event is planned for the autumn of 2014, and we intend to keep on the way started in 2012, with very practical discussions, training workshops and demonstrations, to make it a useful event for humanitarian professionals.

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[10] Thanks to the HelloAsso platform: https://www.helloasso.com/associations/cartong/collectes/carto-d-urgence

Mapping remote & in the field

Mobile data collection

Capacity building

Information Management