



# ANNUAL ACTIVITY REPORT — 2018 —





# Coral Guardian

## IN NUMBERS



- \* 1 850 CORALS WERE ADOPTED IN 2018
- \* 32 000 CORALS WERE TRANSPLANTED IN THE LAST 4 YEARS
- \* 30 ECO-VOLUNTEERS WERE WELCOMED IN INDONESIA
- \* + 30 PARTNERS

**Coral reef conservation and coastal community empowerment.** Through **coral reef safeguarding and restoration missions**, the organization **raises awareness** among **local communities** and offers a **sustainable, responsible and replicable model of economic development.**

Currently, the organization works in Indonesia, Colombia and France.



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# Editorial

## EDITORIAL

MARTIN COLOGNOLI,  
*co-founder and scientific  
director*



### CORALS IN THE SPOTLIGHT

2018 was declared International Year of the Reef (IYOR) by the International Coral Reef Initiative (ICRI).

The goal of this global initiative was to raise awareness about the protection of coral reefs and associated ecosystems: to reveal the importance of reefs, their service to humanity and the pressures they face. It was also an opportunity to share scientific knowledge, many good practices and concrete actions between reef protection stakeholders.

However, this event which was filled with optimism was accompanied by the Intergovernmental Panel on Climate Change's (IPCC) alarming report which announced that between 70% and 90% of coral reefs may disappear if the global temperature of the planet increases + 1.5°C. An increase of 2°C would threaten 99% of corals.

Faced with this urgent need for mobilization, Coral Guardian is positioning itself more than ever as a key player in the preservation of coral reefs by striving to put concrete actions in place and an effective participatory marine conservation model. Our efforts are paying off and we are pleased to see that our expertise is recognized and valued, as we have seen from the many events we took part in in 2018.

### RESILIENCE AND ENERGY AT THE SERVICE OF CORAL REEFS

2018 was also an emotional year for Coral Guardian.

During the «traditional» on-the-ground mission (summer and autumn 2018), the emphasis was put on the valorization of the Indonesian team, its acquired and future skills; all of course in the service of coral reefs. The team received extensive training in coral transplantation and welcomed a new team member.

The French team has faced difficulties, between internal restructuring, lack of funding and an impressive workload. However, it is with great success that the team has managed to consolidate its foundations and 2019 is off to a good start, with new funding, new partners, new perspectives and new energy!

We have chosen to share these difficulties with you, in all transparency and with humility. Because it is thanks to you, donors, sponsors, patrons, donors, volunteers, eco-volunteers, followers,... that we have been able to find the energy to bounce back.

Because these structural difficulties are common to other organizations.

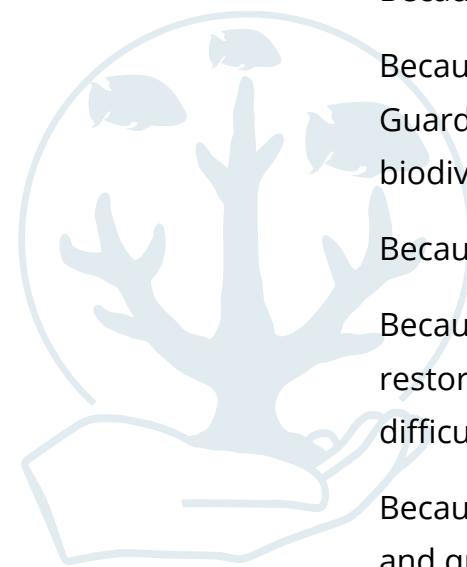
Because the challenges we encountered are not specific to Coral Guardian but to all organizations that work towards preserving biodiversity.

Because we felt supported and surrounded.

Because we want to radiate and spread this new energy we have, to restore hope in those who are still stuck at the bottom of a wave of difficulties.

Because it is more than ever time to move forward together, humbly and quickly in the face of this climate urgency that unites us all.

**Because we do not want to make coral a memory.**





# EVENTS

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A large sea turtle, likely a Green Sea Turtle, is the central focus of the image. It is swimming from the bottom right towards the top left, its head turned slightly towards the viewer. The turtle's shell is a mix of dark and light brown with distinct scutes. The background is a vibrant blue ocean with a healthy coral reef visible below the turtle. Numerous small, colorful fish are scattered throughout the water, adding to the dynamic feel of the scene.

We exhibited our photos at the Oceanographic Museum of Monaco and we addressed the *Maison des Océans*, the *Aquarium of Paris* and the Mayor of the ninth arrondissement in Paris alongside the "*Fédération française de plongée*". We also took part in the "Our Ocean Conference" in Bali. Valuing our actions, sharing our opinion and our experiences is a complex but essential exercise in order to give visibility to our projects.





## FROM 8<sup>TH</sup> TO 14<sup>TH</sup> APRIL MONACO OCEAN WEEK 2018

Coral Guardian was a guest of honor at the event.



## 8<sup>TH</sup> JUNE - PARIS WORLD OCEAN DAY

Initiated by the United Nations (UN) at the *Aquarium of Paris*. Conference on the protection of coral reefs followed by a live coral cuttings workshop in the aquarium's tank.



## 20<sup>TH</sup> JUNE - PARIS CONFERENCE « CORAL REEFS: SOLUTIONS FOR TODAY AND TOMORROW »

Seminar, at the *Maison des Océans*, on the transfer of the latest scientific knowledge to different stakeholders as well as an evening open to the general public organized by the *Fondation pour la Recherche sur la Biodiversité* (FRB), the *Institut Océanographique*, the *Centre de Recherches Insulaires et Observatoire de l'Environnement* (CRIOBE) and the Ocean & Climate Platform. We also took part in the round table « Let's organize the fight! Examples of actions to develop? »



## 4<sup>TH</sup> JULY TRANSFER OF THE CHAIRMANSHIP

Transfer of the chairmanship of the ICRI secretariat from France to Indonesia, Australia and the Principality of Monaco



## 15<sup>TH</sup> SEPTEMBER - NUSA PENIDA WORLD CLEANUP DAY

Garbage collection day in Nusa Penida beach, close to our reef restoration site.



## 20<sup>TH</sup> SEPTEMBER - BALI TROPICA FESTIVAL

Underwater graffiti for the 1UP artists' collective at the Tropica Festival, organized by Pangeaseed Foundation and Seawalls.



## 6<sup>TH</sup> OCTOBER - MARSEILLE

### « WHAT DO YOU KNOW ABOUT CORALS? » CONFERENCE

A series of lectures, at the Bonneveine youth hostel, on coral reefs' protection led by Bruno Breton, a volunteer in Marseille.



## 15<sup>TH</sup> OCTOBER - PARIS

### « CORALS MATTER » LECTURE

Evening organized at the *Maison des Océans* by the BNP Paribas Foundation announcing the results of an original study on coral reefs as well as the launch of the #CoralsMatter app and an interactive wall on corals for museums. We spoke at the launch of this project in which we participated.



## 29<sup>TH</sup> OCTOBER - BALI

### « OUR OCEAN OUR LEGACY » CONFERENCE

Signing of a partnership agreement with the Copernicus Marine Service / *Mercator Océan* at the side event « Climate change - our planet is sick: Copernicus implements change ».



## 28<sup>TH</sup> NOVEMBER - PARIS

### « FROM SCIENCE TO ACTION » CONFERENCE

With the Fédération Française d'Études et de Sport Sous-Marins (FFESSM) at the City Hall of the 9<sup>th</sup> arrondissement of Paris.

Evening conference and cocktail party organized by the *Fédération de plongée sous-marine*. We presented our actions to restore tropical coral reefs and the FFESSM Environment and Biology Commission spoke about Mediterranean red coral.



## FROM MAY 2<sup>ND</sup> TO DECEMBER 31<sup>ST</sup> - MONACO

### PHOTOGRAPHIC EXHIBITION

Photographic exhibition «From coral to reef: a jewel in peril» at the Oceanographic Museum in Monaco. Exhibition organized by the Scientific Center of Monaco which highlights the vital link that exists between coral ecosystems and humans. Private view of the exhibition in the presence of Prince Albert II of Monaco.



# ON THE GROUND

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On the ground

## A MISSION DEDICATED TO TRAINING



*Tell me and I forget, teach me and I may  
remember, involve me and I learn.*

*- Benjamin Franklin*

Komodo's project has entered a new phase of management: empowerment. The Indonesian coral transplanters team is preparing to operate independently through capacity building, in line with the Coral Guardian model. This is an important step that the organization is proud to highlight as a concrete achievement of 2018.

Reminder of

## THE CORAL GUARDIAN MODEL

Coral Guardian supports local communities to reclaim and manage their ecosystems sustainably. In order to do this, Coral Guardian believes that the process of both reinforcing and transferring capacities through capacity building is necessary. According to the Organization for Economic Cooperation and Development (OECD), capabilities refer to the « *ability of individuals, organizations and a community as a whole to successfully manage their business* ».

This approach is advocated by international aid actors. This is not to say that local communities are lacking in competence. The aim actually is to empower and implicate communities by enhancing their skills and improving their practices in order to help them achieve their goals, such as the restoration and preservation of coral reefs and associated ecosystems.





In addition, locals receive training according to their identified needs. Coral Guardian offers coral transplantation training as well as project and structural management more broadly.

The French team accompanies the Indonesian team in this phase and has developed a training program to make this transfer of skills possible. That is why part of Coral Guardian France went to Indonesia from June to November 2018. More concretely, in addition to coral transplantation, this mission was aimed at training the Indonesian team for:

- Administrative management
- Project management
- Welcoming ecotourists:
  - › Manage collaborations between different actors (scuba diving centers, eco-volunteering: hotel, local team)
  - › Training the local team for receiving tourist on Hatamin Island. (To explain the program in

progress, the rules to respect: no anchor on the reef, do not walk on the corals, pay attention to fins, explain the involvement of the village)

- › Training diving guides for coral transplants and reef restoration to launch the activity as soon as the local structure is ready.

In training the Indonesian team for these types of tasks, Coral Guardian makes sure the local team has all the necessary resources to continue sustainably, and thus ensure the local community has full control over the management of its ecosystem. This avoids making the Indonesian team dependent.

For example, the local manager learned how to use Excel and its advanced features. The objective of this training is that it will enable the team, eventually, to manage their accounts and follow all their expenses, etc.





## JONAS, NEW TEAM MEMBER AND LOCAL DIRECTOR

Coral Guardian also had the pleasure of welcoming a new local director: Jonas, 32, from Labuan Bajo, from the island of Flores. He joined the team in August and was warmly welcomed by the rest of the team. Jonas will be responsible for managing the team of coral transplanters, monitoring fisheries, participating in the protection of the marine sanctuary and the marine protected area, amongst other tasks.



## NURSERIES, RESTORATION AND CORAL TRANSPLANTATION

In 2018, the organization reached a new stage in coral transplantation: the coral transplanters were trained, firstly, to collect different species from our own nurseries in order to transplant them. This aspect of coral restoration is essential and entirely dedicated to scientific experimentation

to repopulate this destroyed ecosystem (unlike the reef where we transplant adopted corals, with the aim of raising awareness). This allows access to a larger number of cuttings to repopulate the surrounding reef.



Team training for the collection of corals from nurseries





# Coral culture

## EXPLANATIONS

- *Until now*, coral transplanters were trained to collect species in the wild in the form of coral fragments. These corals had been removed from their parent colony, mainly because of anchors, and were therefore destined to bleach and die. Once they are collected, these fragments are «hooked» onto a restoration table (immersed metallic structure) in a «nursery».
- *3 years later*, the coral fragments have grown a lot (see pictures), they are ready to be sectioned and grafted onto new structures. This new skill is essential for reef restoration: coral transplanters can easily harvest nursery species and transplant them in order to experiment, create, attempt and

successfully build a restored reef, independently, without depending on what the seabed will offer as fragments of coral. This means that coral transplanters will be able to try new restoration techniques that are less time-consuming (harvesting coral fragments from the seabed is long and tedious), in order to extend the restored area and thus accentuate their concrete actions of coral restoration and repopulation of the area. The tested restoration tables are diverse (simple metal tables, metal bars, concrete blocks ...) and are directly placed on the substrate. We test these new techniques to see what works best before moving forward with new possibilities.







*On the ground*

## SETTLING LOCALLY VIA A LOCAL LEGAL STRUCTURE

Coral Guardian has a good relationship with the Indonesian government as well as the owners of Hatamin Island. The owners are keen to protect their island from negative human pressure.

They therefore founded a local organization to take responsibility for the conservation program on Hatamin Island from mid 2019.

This partnership is delimited by a convention. Coral Guardian, as an expert, retains control on conservation actions and its structure is in charge of administrative management. Coral Guardian's mission is to guide the structure on its path to become autonomous financially.



# PROJECTS

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## THE BLUE CENTER, TRAINING CENTER FOR PARTICIPATORY MARINE CONSERVATION

Coral Guardian aims to disseminate its knowledge and know-how in order to support and unite all actors mobilized towards the protection of marine biodiversity. Thanks to the success of its participatory marine conservation project in Indonesia, the organization now wants to replicate its innovative model through a training center: the « Blue Center ». This center is designed to welcome coral reef restoration stakeholders and provide them with tailor-made educational programs. Coral Guardian will thus reinforce its model and strengthen the skills of other organizations by giving them the means to act effectively. The Blue Center will be the keystone of a system dedicated to spreading the Coral Guardian model around the world.

**Location:** Labuan Bajo, East Nusa Tenggara Province, Flores Island, Indonesia



The scientific department has started to develop an educational tool dedicated to coralliculture and marine biology. The motto is to create simple, dynamic and motivating training content to captivate, engage and encourage program beneficiaries. This educational booklet will be illustrated to make it fun and to facilitate its understanding. The training plan covers the following elements: marine biology and ecology, social approach, financing, project management.



# Projects

## ECO-VOLUNTEERING

In 2019 and for the coming years, Coral Guardian has decided to entrust the management of this activity to a local Indonesian agency, still in the aim of making the project autonomous. This change is in process.

## PAUSING LIVECORAL

We deeply regret that the activities related to LiveCoral have been suspended. As explained to our donors in a report in January 2019, this was owing to administrative problems, denied authorization in Indonesia, uncertain and insufficient funding, priority given to the Komodo flagship project... These constraints have hampered the implementation of LiveCoral.

However this awareness project cannot be totally abandoned, the organization hopes to revive it in 2020.

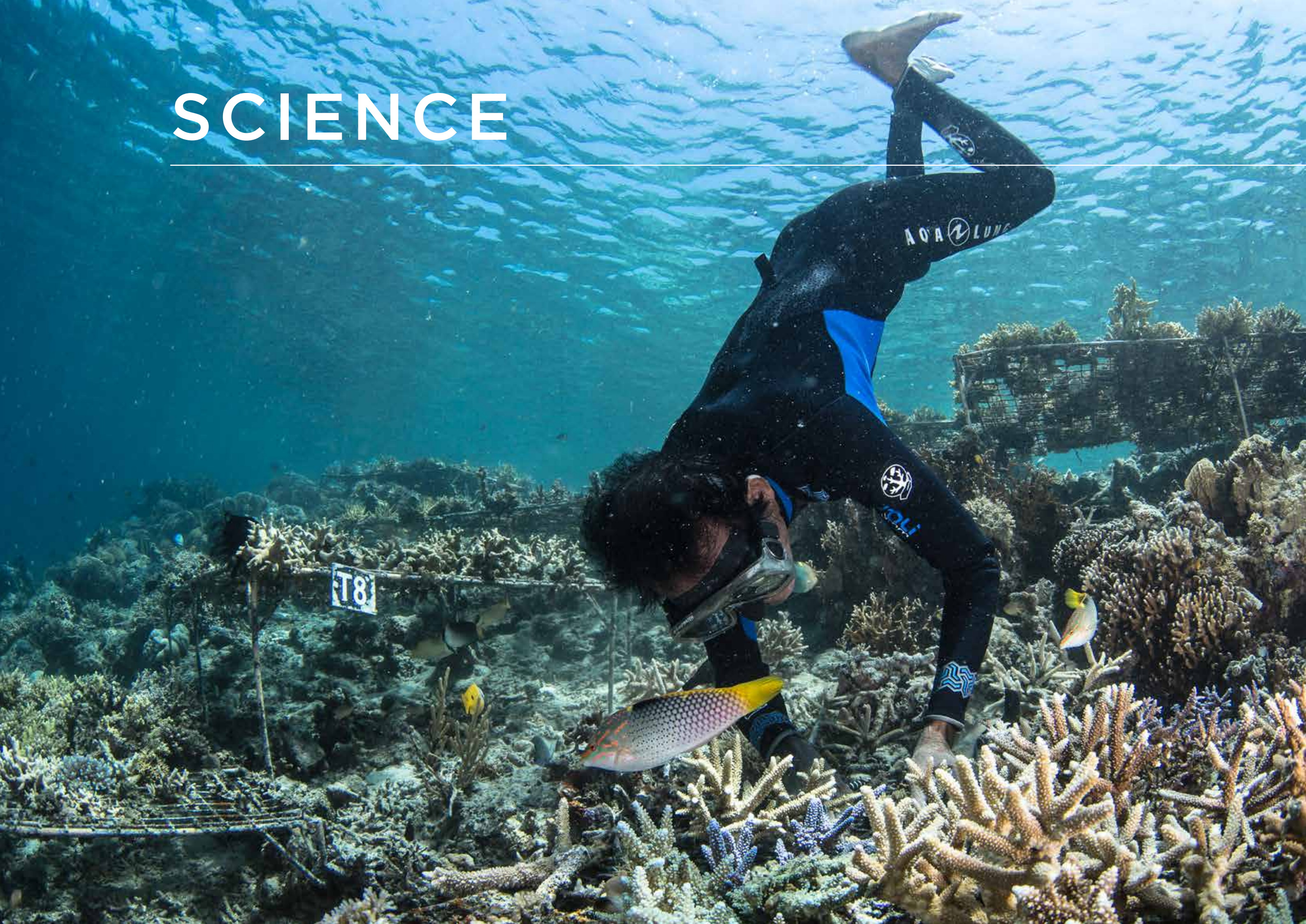


*This year, 48 motivated ecovolunteers came to help on the ground.*



# SCIENCE

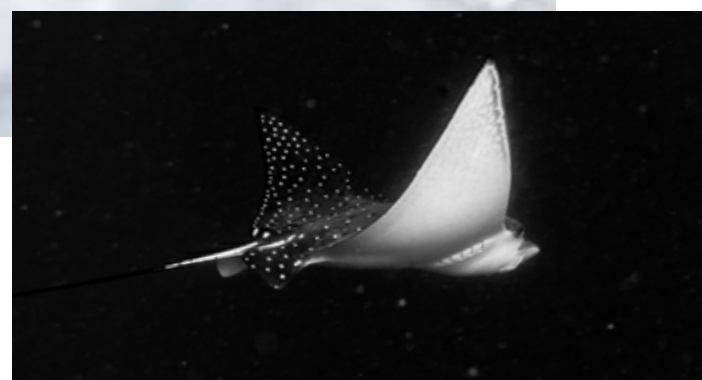
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Science

## MERCATOR OCEAN & COPERNICUS MARINE SERVICE ACCOMPANY CORAL GUARDIAN IN ITS SCIENTIFIC APPROACH



Mercator Ocean International is the French center for global ocean analysis and forecasts and a delegate of the European Union's Copernicus Marine Service. Coral Guardian shares with these entities values such as innovation, proximity to men and women, all in the service of oceans. Coral Guardian is proud to count on the support of the Copernicus Marine Service and Mercator Ocean International.

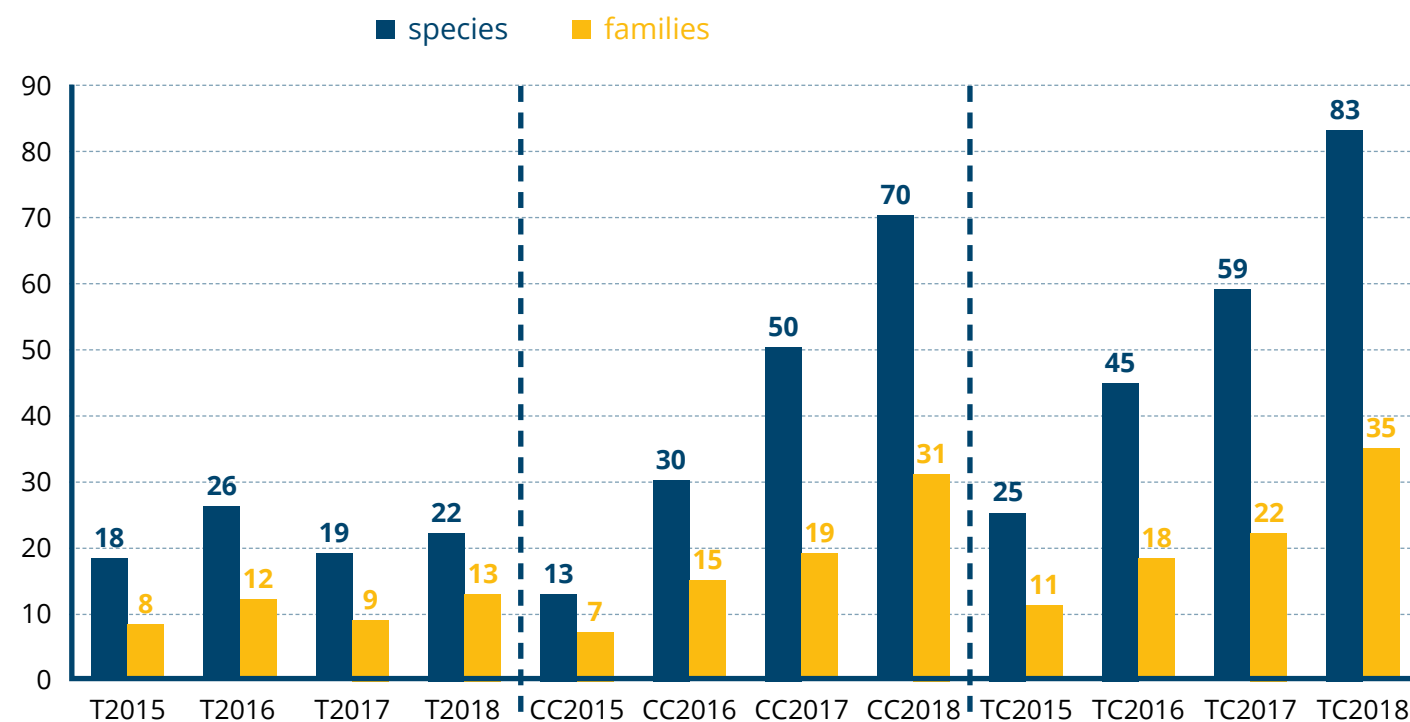
In early 2019 Coral Guardian formalized its scientific partnership with Mercator Ocean thus allowing the daily use of oceanographic charts based on information from EU Copernicus Marine Service. These charts present information on currents, temperatures and temperature anomalies on the global ocean surface and Asia more specifically, for both pedagogical and scientific purposes.



## BIOLOGICAL MONITORING, HATAMIN ISLAND (CORAL GUARDIAN CORAL SANCTUARY)

The graphs below show a positive evolution of fish diversity on the two sites where reef restoration efforts were conducted, while a relative consistency is observed on the control site.

Specific diversity on 3 sites on Hatamin each year

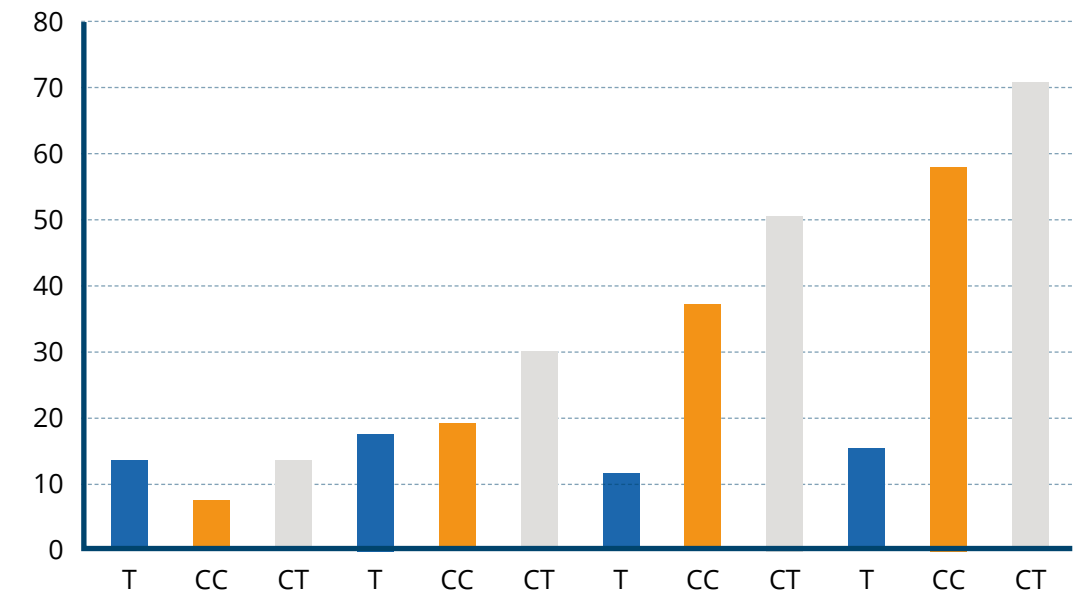


The **control site (T)** presents 22 species of fish for 13 families present at the moment of counting.

The **“Coeur de Corail” (CC)** site with 70 species for 31 families.

The site **“Terrasses de Corail” (TC)** with 83 species for 35 families.

Average number of species of fish for 100 m<sup>2</sup> per site and per year



The result is quite obvious. The control site (where no restoration action has been taken) didn't change much, neither qualitatively nor quantitatively.

The sites CC (*Coeur de Corail*) and TC (*Terrasses de Corail*) evolve in a similar way, with a very significant growth in the number of fish. However the structure of the community has remained quite similar since 2016, even though a significant amount of species appeared in 2017 and 2018. The presence of megafauna such as black tip sharks (*Carcharhinus melanopterus*), eagle rays (*Aetobatus narinari*) and blue-hooked stingrays (*Taeniura lymna*) or Javanese (*Gymnothorax javanicus*) and starry (*Echidna nebulosa*) moray eels, is very encouraging. **This means the ecosystem is boosted and now sufficiently prosperous to serve as a shelter for these predators.**





# HOPE

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## COLOMBIA, TOWARDS A NEW HORIZON

In 2017, the organization had different options for development. And it is in Colombia that the project is the most advanced. Vladimir, project manager, presents the project.



### What are the origins of this project?

Colombia has experienced significant political and economic renewal in recent years. With the peace agreement, tourism is growing enormously and an economic transition is underway. This represents a great opportunity for the development of ecotourism and for environmental protection. In addition, the richness of tropical ecosystems here makes Colombia a privileged area for the protection of corals. Finally, I also have a personal motivation because I am Colombian and I want to participate in the preservation of this country's extraordinary biodiversity.

### What is the project?

To develop a coral reef restoration project in the Caribbean. The idea is **to involve local communities in the sustainable management of their environment.**

### Where is it ?

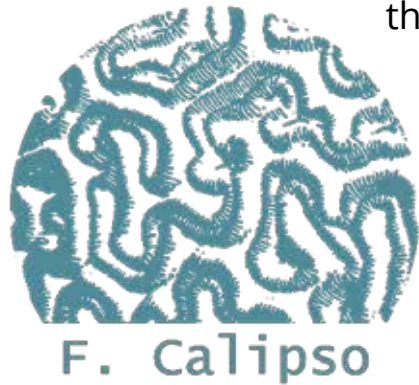
In Taganga, next to the Tayrona Natural National Park, Colombia's second most visited park.





### How is it conducted? Who is your partner on site?

A small organization, *Fundación Calipso*, has been working there for more than 3 years to restore reefs that were damaged because of mass tourism especially.



Today, the organization needs support to sustain its economic model, implement a continuous restoration program that regenerates biodiversity improving fishing stocks while allowing the establishment of income-generating activities for the local population. Thanks to Coral Guardian's experience, we know that, for a project to be sustainable, it is essential to involve the entire coastal community. Thus, we have created the « *Alianza Corallina de Taganga* » in partnership with Calipso .



### What types of coral do you work with?

Mostly «encrusting» coral, branched corals (like those of Indonesia) are quite rare in the area.



### What are the next steps?

To go back & continue to develop the project and launch **Adopt a Coral...** in Colombia! We hope and we make every effort to ensure that the project is anchored sustainably in Taganga Bay and pays off, as it did in Indonesia.



# PARTNERS

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## ZOOM ON... 1% FOR THE PLANET

1% for the Planet is a global network of sponsors and conservation organizations. Patrons give NGOs 1% of their turnover.

Coral Guardian has been a member of 1% for the Planet for over 2 years now. It is a very dynamic and altruistic network, with a variety of interesting members. The meetings that take place in this context are always fruitful. It is thanks to 1% for the Planet that Coral Guardian met its partner Caudalie and that LimeStreams and Hopaal support the organization. Events such as Organizations and Philanthropists Encounters (RAP), organized by the 1% for the Planet team are an opportunity to spend time with these patrons, and to build closer ties. It is also a time where organizations like ours feel supported! This network is well worth discovering.



## OUR GRATITUDE

Software volunteer, PMO expert, biologist, graphic designer, translator, former ecovolunteers, cosmetic and fashion brands, consulting companies, outdoor media, adventure and science, scientific organizations, diving clubs, SMEs, sales companies, oceanographic institutes, foundations, networks of patrons...

Our partners are varied and numerous. All are essential to the good conduct of our activities thanks to their ideas, their donations, their advice and encouragement, their friendship, presence, trust and loyalty.

The relationship we have with each one of them evokes an ecosystem where each element plays a very specific role, complementary to others and indispensable. Together they create a unity. Here, our partners are the basis of our actions and our progress. Would we still be at this stage without them? Certainly not. It is for this reason that we wish to warmly thank each one of them.





# THANK YOU

## A BIG THANK YOU TO

### PRIVATE PARTNERS



### SCIENTIFIC PARTNERS



### NETWORK





# PRESS AND MEDIA

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### Futura Sciences

2018 est l'Année du corail :  
découvrez les trésors menacés  
des récifs



### Sciences et Avenir

Parrainez un corail pour aider à  
sa protection



### LCI

Récifs artificiels, éco-tourisme,  
adopter une bouture... comment  
(concrètement) protéger les  
coraux ?



### Elle

On adopte un corail



### Libération

Pourquoi il est grand temps  
d'adopter des coraux ?



### Terres d'aventure

Des coraux et des hommes



### France Inter

CO<sub>2</sub> mon amour : On prend le  
large... et nous nous intéressons  
à nos océans !



### Le bonbon

Sauve les océans en adoptant  
un corail !



### The Asean Post

Marine protected areas  
increasing fish stocks

*Click on the text to read the article.*



# FINANCIAL REPORT

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# Financial report

## ANNUAL ACCOUNTS

### OPERATING REVENUES

|   | 2018              | 2017              |
|---|-------------------|-------------------|
| Sales of goods  |                   |                   |
| Production sold (goods and services)                              |                   |                   |
| Inventoried products  |                   |                   |
| Capitalised production  |                   |                   |
| Operating subsidies   | 31 476,44         | 127 250,70        |
| Write-backs of provisions, depreciations and transferred expenses |                   |                   |
| Contributions   |                   |                   |
| Other products (excluding contributions)                          | 253 872,02        | 191 286,26        |
| <b>TOTAL OPERATING INCOME (I)</b>                                 | <b>285 348,46</b> | <b>318 536,96</b> |

### OPERATING COSTS

|   | 2018 | 2017 |
|---|------|------|
| Purchases of goods                                |      |      |
| Variation in stocks of goods                      |      |      |
| Purchase of raw materials and supplies            |      |      |
| Variation in stocks of raw materials and supplies |      |      |
| Purchase of other supplies                        |      |      |
| Variation in stocks of other supplies             |      |      |



|  |            |            |
|--|------------|------------|
| Other purchases and external expenses* | 110 813,52 | 203 262,16 |
| Taxes, duties and other levies         | 741,00     | 863,46     |
| Salaries and wages                     | 95 929,93  | 72 978,79  |
| Social security                        | 30 823,20  | 16 572,36  |
| Depreciation and impairment:           |            |            |
| - depreciation of fixed assets         | 7 692,53   | 4 726,11   |
| - impairment of fixed assets           |            |            |
| - impairment of current assets         |            |            |
| Provisions                             |            |            |
| Subsidies granted by the organization  |            |            |
| Other expenses                         | 90,18      | 297,16     |

|                                     |                   |                   |
|-------------------------------------|-------------------|-------------------|
| <b>TOTAL OPERATING CHARGES (II)</b> | <b>246 090,36</b> | <b>298 700,04</b> |
|-------------------------------------|-------------------|-------------------|

|                                    |                  |                  |
|------------------------------------|------------------|------------------|
| <b>OPERATING INCOME (I) - (II)</b> | <b>39 258,10</b> | <b>19 836,92</b> |
|------------------------------------|------------------|------------------|

|   |  |  |
|---|--|--|
| Joint operation, profits transferred in or losses transferred out (III) |  |  |
| Joint operation, transferred profit or losses incurred (IV)             |  |  |



## FINANCIAL PRODUCTS

|   | 2018          | 2017          |
|---|---------------|---------------|
| Negotiable securities and other bonds                         |               |               |
| Interest and related income                                   | 153,48        | 460,85        |
| Reversals of impairment, provisions and transfers of expenses |               |               |
| Positive exchange differences                                 |               |               |
| Net proceeds from sale of short-term investments              |               |               |
| <b>TOTAL FINANCIAL INCOME (V)</b>                             | <b>153,48</b> | <b>460,85</b> |

## FINANCIAL COSTS

|   | 2018          | 2017          |
|---|---------------|---------------|
| Net depreciation, impairment and expenses         |               |               |
| Interest payable and similar charges              |               |               |
| Negative exchange rate differences                | 20,82         |               |
| Net expenses on the sale of marketable securities |               |               |
| <b>TOTAL FINANCIAL EXPENSES (VI)</b>              | <b>20,82</b>  | <b>-</b>      |
| <b>FINANCIAL INCOME (V) - (VI)</b>                | <b>132,66</b> | <b>460,85</b> |





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