



Fundación
Charles Darwin
Foundation
GALAPAGOS

Annual Report 2019



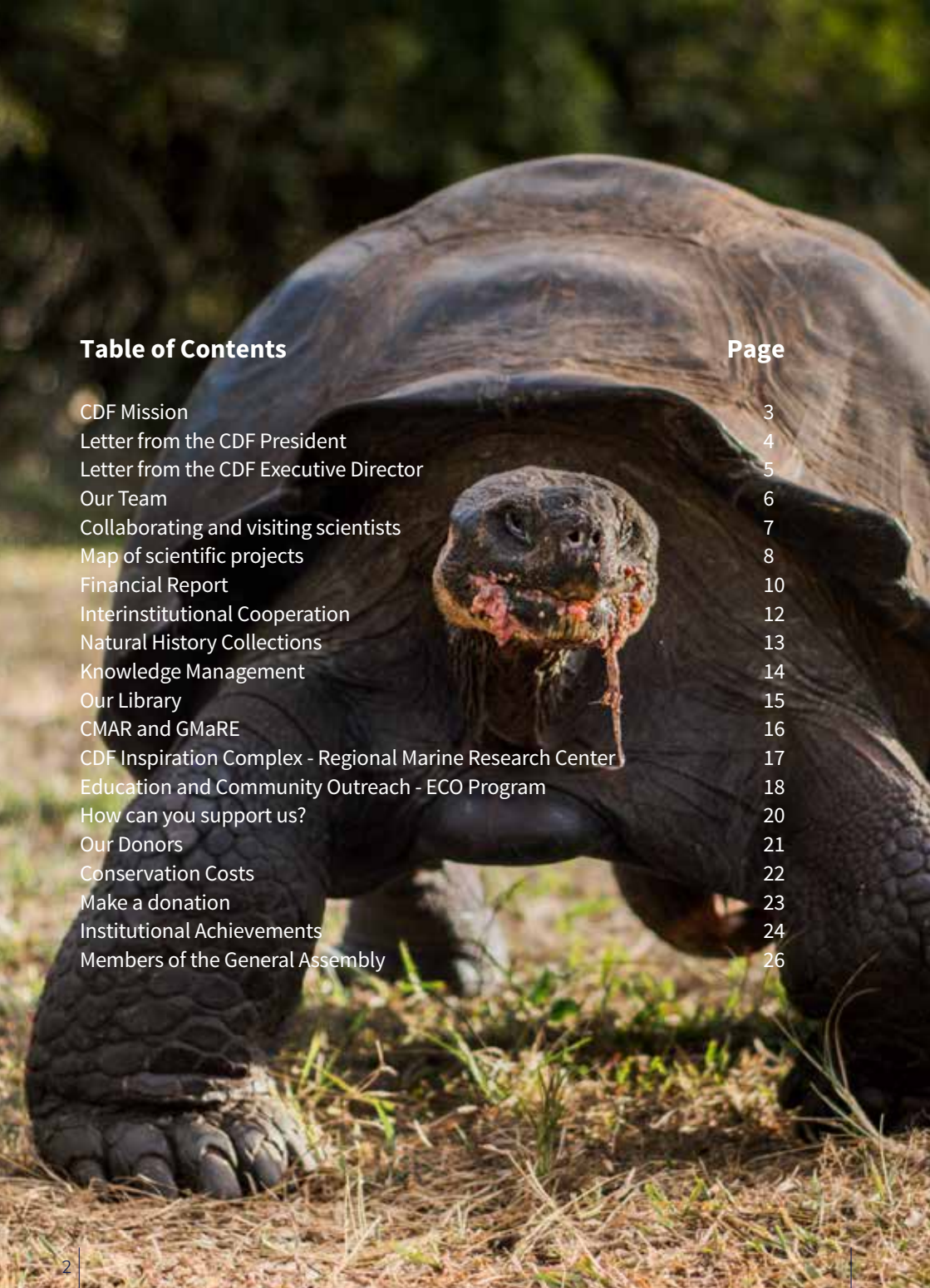


Table of Contents

Page

CDF Mission	3
Letter from the CDF President	4
Letter from the CDF Executive Director	5
Our Team	6
Collaborating and visiting scientists	7
Map of scientific projects	8
Financial Report	10
Interinstitutional Cooperation	12
Natural History Collections	13
Knowledge Management	14
Our Library	15
CMAR and GMaRE	16
CDF Inspiration Complex - Regional Marine Research Center	17
Education and Community Outreach - ECO Program	18
How can you support us?	20
Our Donors	21
Conservation Costs	22
Make a donation	23
Institutional Achievements	24
Members of the General Assembly	26



Our Mission

The CDF's mission is to provide knowledge and assistance to ensure the conservation of the environment and biodiversity in the Galapagos Archipelago through scientific research and complementary action.



Dear Friends and Colleagues,

On behalf of the Board of Directors and staff of the Charles Darwin Foundation, it is a pleasure to present our 2019 Annual Report. As we prepared this year's results, the world is confronting unprecedented medical, economic, human and environmental challenges. Our thoughts and appreciation to CDF's donors, dedicated governance institutions, volunteers, partners and staff who responded to support the local community during these unprecedented times. We also appreciate their perseverance in supporting our mission to produce scientific research for the conservation of Galapagos, a natural treasure for future generations.

In 2019, CDF proudly celebrated 60 years of scientific research and conservation, with many opportunities to commemorate the vision of our founders and the accomplishments of those who have dedicated their careers to the archipelago. In the following report, you will learn about our ground-breaking scientific projects, diverse stakeholders, partner academic institutions and incredible supporters.

Without your contributions our 2019 achievements would not have been possible. We look forward to your continued support in our mission to preserve the Galapagos. In parallel, we know we can count on the resiliency of our staff and the relevance of CDF programs to successfully carry out our mission!

Hans van Poelvoorde
President
Charles Darwin Foundation



Looking back on the last 60 years.

Since 1959 the Charles Darwin Foundation for the Galapagos Islands (CDF) has been the institutional 'epicentre' for the development of science in and on the Galapagos. During this time, we have advanced the scientific knowledge about this archipelago and by doing so, have contributed to decisions and policy being made, towards its conservation for the future generations.

In 2018-19 we adopted one comprehensive disciplinary (or interdisciplinary) approach within some of our research projects. This framework fosters the coexistence of professionals from exact, natural and social sciences, and humanities as research team members, in order to address, tackle and explore possible answers to the complex questions, scenarios and challenges faced by the Galapagos Islands' systems like climate change, sustainable resources use, food insecurity, among others.

In 2019 we held seven scientific events and published more than fifty peer-reviewed scientific articles. Among them, the Diamond Edition of the *Galapagos Research*, CDF scientific journal. In the last sixty years, we have mentored more than 2500 volunteers, Ecuadorian and Galapagueños in conservation, education, and research, pure and applied. All these achievements have been made possible by the support of generous donors and the confidence of the Directorate of the Galapagos National Park and the Ecuadorian Government.

We are aware that the future is uncertain and that we will continue to face complex scenarios, with more questions than answers and great challenges. We invite you, so let us look for this answer together, find a way to achieve a sustainability model in and for the Galapagos.

María José Barragán P., PhD
Interim Executive Director and Science Director
Charles Darwin Foundation

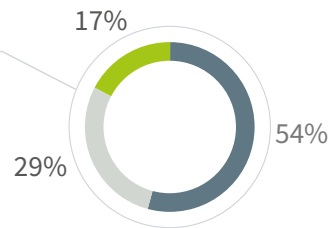
Our Team 2019

Our team had 110 employees and 93 volunteers.



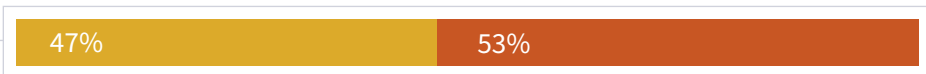
Staff

Local	59
National	32
International	19



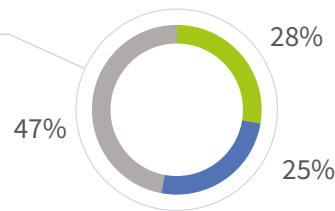
♂ Men

♀ Women



Volunteers

Local	26
National	23
International	44



Scholars and Thesis Students



Collaborating Scientists

We have 20 research projects that are supported by many scientists from around the world. The collaborating scientists participate in the projects authorized by GNPD and supported by diverse methodologies, analyses and technologies. They arrive at our campus in Galapagos to work on projects that are linked to ours. They develop their projects in coordination with their counterparts at CDF.

Countries of origin of collaborating scientists:

Argentina	Denmark	Mexico	South Africa
Australia	Ecuador	Netherlands	Sweden
Austria	France	New Zealand	Switzerland
Belgium	Germany	Norway	United Kingdom
Bolivia	Greece	Panama	USA
Canada	Israel	Peru	
Chile	Italy	Portugal	
Colombia	Japan	Saudi Arabia	

Men : 49

Women : 46

Visiting Scientists

We annually welcome visiting scientist to our Research Station who want to carry out their own research projects with their own funds and with a research permit issued by GNPD. CDF is your local institution that supports and facilitates administrative processes to allow them to conduct research.



Countries of origin of visiting scientists:

Belgium	Germany
Brazil	Sweden
Canada	Switzerland
Ecuador	USA
France	

Men: 18

Women : 10



Darwin



Wolf

Pinta

Genovesa
Marchena

Isabela
Fernandina

Santiago

Rábida

Pinzón

Baltra

Santa Cruz


Santa Fe

San Cristóbal

Floreana

Española

Marine Projects

- 1  Reducing threats to sea turtles in Galapagos waters
- 2  Shark population status and ecology in Galapagos
- 3  Study of seabird populations - key species and the threats they face.
- 4  Studying the flamingo populations of Galapagos and other lagoon birds
- 5  Exploring the seamounts and ecosystems of the Galapagos Marine Reserve
- 6  Subtidal Ecological Monitoring in the Galapagos Marine Reserve
- 7  Prevention of the impacts of invasive marine species on the Galapagos Marine Reserve
-  Monitoring Plastics and Invasive Marine Species
- 8  Towards Sustainable Fishing in the Galapagos Marine Reserve

Land Projects

- a  Galapagos tortoise movement ecology programme
- b  Green Galapagos 2050
- c  Evaluation of the programme to reduce the mortality of birds on the road, Santa Cruz, Galapagos
- d  Control of the Introduced Fly *Philornis downsi* and its Impact on Biodiversity.
- e  Conservation of the iconic Galapagos land birds
- f  Rescuing the Mangrove Finch in Galapagos
- g  Implementation of Methods to Control the Invasive Wasp *Polistes versicolor*
- h  Restoring the Ecosystem of Los Gemelos
- i  Invasion and control of red quinine tree *Cinchona succirubra* in the Galapagos Islands
- j  Mapping the expansion of invasive plant species
- k  Where is the introduced tree frog *Scinax quinquifasciatus*? Studying its distribution
-  Assessing the Health Status of Land Tortoises

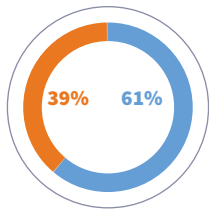
Audited Financial Report 2019



Income %

Applied restricted income	\$ 3,581,487	61
Unrestricted pledged income	\$ 690,000	} 39
Unrestricted other income	\$ 870,232	
Institutional promotions	\$ 517,108	
Other income	\$ 215,195	

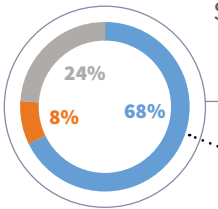
Total \$ 5,874,022



Expenditure %

Science, conservation and Education*	\$ 4,186,107	68
Fundraising	\$ 503,224	8
Other expenditures	\$ 1,425,313	24

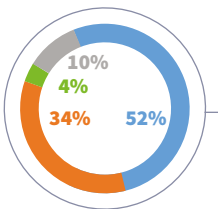
Total \$ 6,114,644



*Science, Conservation and Education %

Cost of Scientific projects	\$ 2,172,301	52
Cost of other projects	\$ 1,409,187	34
Services to scientists	\$ 160,802	4
Laboratory and collections	\$ 443,817	10

Total \$ 4,186,107



Statement of Financial Position

Assets

Cash / cash equivalents	\$ 1,693,331
Other current assets	\$ 936,716
Non-current assets	\$ 1,208,967

Total \$ 3,839,014

Liabilities and equity

Deferred income	\$ 1,526,281
Other current liabilities	\$ 993,786
Employee benefits	\$ 494,739
Equity	\$ 824,208

Total \$ 3,839,014





 Herbarium CDS	 Collection of Marine Invertebrates MCCDRS	 Collection of Vertebrates VCCDRS	 Collection of Terrestrial Invertebrates ICCDRS
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Interinstitutional Cooperation

In 2019, CDF signed five cooperation agreements with academic institutions, each focused on specific aspects of research and collaboration: Universidad La Laguna Tenerife, Spain; University of Alicante, Spain; University of Pennsylvania, USA; Queen's University of Belfast, Ireland and University of Ghent, Belgium.



Natural History Collections

With approximately 80,000 specimens, the Galapagos Natural History Collection constitutes one of the largest repositories of the biological diversity found in the Galapagos archipelago in the world. We are custodians of this Collection together

with the GNPD, by mandate of the Ecuadorian Government. This invaluable heritage is housed in the facilities of our Charles Darwin Research Station (CDRS) in Puerto Ayora.

The collection is divided according to the most representative taxonomic groups of the flora and fauna of the Galapagos.

The main function is the preservation, for scientific purposes, of specimens of flora and fauna of the Galapagos. This collection is of great importance in the scientific work on the islands, for this reason we annually dedicate human and financial resources that allows adequate conservation and thus ensure the integrity of the specimens.

The specimens we maintain, as in the case of the Lonesome George skeleton, are objects of great scientific value and of global heritage interest. These collections are a legacy that Ecuador preserves for the world.

Natural History Collections must be maintained at 21° of temperature and at 35% of humidity, for 365 days a year!



Knowledge Management

During 2019, our Knowledge Management area began a new process, for which we propose to implement appropriate and open management protocols of the knowledge and information that we are producing at CDF.

We maintain the dataZone, the scientific information portal is the most active section of the CDF website. With 25% of the website’s activities during 2019, there is scientific knowledge about species and climate information from two meteorological stations.

To support the collection management activities, we maintain the database that registers the specimens in the collections.

We have developed a new web interface with modern, open and free technologies to interact with the collections database.



Our Library

The Library & Archive “G.T. Corley Smith” of the CDF is the main repository of scholar information and social memory in and about Galapagos. The library houses academic documents regarding the scientific endeavors in the islands, and actively supports both our scientific projects and the local and international interest in the archipelago’s conservation. The archive preserves, organizes and manages the audiovisual, historical and institutional memory of CDRS and Galapagos’ community.

Besides holding and constantly improving a unique collection of documents —with more than 200 new titles acquired during the last 2 years— and supporting the scientific work in the archipelago, the Library & Archive

has engaged in a number of outreach projects to bring access to information to all the islands, including the “Travelling Libraries” initiative, and its constant support to Puerto Ayora’s recently re-opened public library. On the other hand, it is developing a strong digitization program (starting with 6,000 slides belonging to the audiovisual collection), a project for making the archive material accessible online (through a database called “Galapagueana”, currently in construction), the publication of archive material for divulgation purposes (including valuable manuscripts and original works), and the preparation of a new space, a museum for the display of Galapagos’ archaeological and historical artifacts.

Travelling Libraries



We want to share our books, the love of reading and our knowledge with all the people of the Galapagos Archipelago.

For this reason we have created the **Travelling Libraries**. These make knowledge accessible to all the people in all corners of the islands– children, fishers, teachers, naturalist guides and anyone who wants to read.

Our **Travelling Library** arrived in Isabela, San Cristóbal and Floreana, thanks to the collaboration of the local school teachers committed to its management. We are proud to bring the first library to Floreana island.



CMAR - Eastern Tropical Pacific Marine Corridor

CDF has been designated as the liaison within the technical group coordinating science for the CMAR initiative in coordination with the Pro Tempore Secretariat, represented by the GNPD. Under the initiative, there are five technical working groups, which are tourism, marine protected areas, science, communications and the fisheries. These groups comprise experts from the public and private sectors in the thematic areas defined by CMAR, providing scientific and technical inputs and proposals for CMAR's actions. Their action plan is in accordance with CMAR's regional plan, and the national commissions of each country.

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GMaRE Program of Marine Research and Exploration

CDF and the Polytechnic Institute of the Coast (ESPOL) signed, on November 28th, 2016, a Cooperation Agreement creating the Galapagos Marine Research and Exploration Program, GMaRE. This Program's goals are to work together to reinforce research, conservation and management of the ecosystems and production systems in the Galapagos Islands; and strengthen capacity for research, management, education and decision-making about ecosystems and the services they provide, considering the different stakeholders in the Galapagos Archipelago.

CDF Inspiration Complex Regional Marine Research Center

Marine science has been a fundamental aspect of the work of CDF, since the founding of its Marine Biological Station for the Galapagos in 1961.

Almost 60 years later, we are investing in an expanded regional marine laboratory as part of the new Inspiration Complex. CDF is transforming the old Biomar and Comedor (dining room) into a center for research and undersanding with:

- New offices
- Secure storage and quarantine areas
- Four wet tanks
- Wet and dry laboratory
- Expanded dock
- Conference hall

In addition, the Comedor, site of so many ideas and innovations over the decades with its beautiful view over Academy Bay, has been expanded and transformed into

a conference facility. With many of the original features retained, this new facility will support the continued exchange of knowledge and scientific advancements.

Undoubtedly, CDF's Inspiration Complex will be the center for regional marine science research.





Components of the ECO program

• **Shark Ambassadors** is now a *Science Club*, which has 25 high school students from Santa Cruz Island. They learn from our land and marine research projects. By 2020 we expect to expand **Shark Ambassadors – Science Club** to Isabela Island.

• **Natural Mornings** works with teachers from local schools, to support and contribute to the development of their curriculum through scientific/experimental activities. By the end of 2020, we estimate the participation of 750 students from Santa Cruz and Isabela.

• **Science Goes to the Community** works in the urban and rural neighbourhoods of Galapagos. The main objective of this segment is to bridge the gap between science and the local community, sharing our scientific knowledge. We want to reach a wider audience in the community by selecting neighbourhoods, initially on Santa Cruz Island, to develop talks, debates, discussion tables, games, movies, etc.

The ECO-Education and Community Outreach Program

In 2019 we launched the **Education and Community Outreach Program (ECO)** at CDF, reaching 1510 youth and adults in schools, libraries and other community centers around the islands.

We are looking forward, through the ECO program, to reaching:

- Increase environmental awareness of the community through science and experiential education
- Work along with schools to provide greater knowledge on the local reality of the social-eco systems of the Galapagos Islands (formal education)
- Approach teenagers of the community to science and conservation through alternative education experiences (non-formal education)

In 2015, we restarted environmental education activities with the launch of the Shark Ambassadors Club which involves youth of the community in the conservation of the oceans. Currently, the approach to community education and outreach activities includes a broader and more comprehensive perspective.



How can you support our work?

Make a Donation

Join



THE PRISTINE GALAPAGOS SOCIETY

fundraising@fgsociety.org

Sign Up for our Newsletter

Volunteer with us

Follow us on Social Media

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Fundraising 2019

Foundations / Non-Governmental Organizations

Above \$1,000,000

COMON Foundation
Wyss Foundation

\$500,000 - \$1,000,000

Gordon and Betty Moore Foundation
Leona M. and Harry B. Helmsley Charitable Trust
Invasive Species Fund for Galapagos

\$100,000 - \$499,999

Galapagos Conservancy
Lindblad Expeditions-National Geographic Fund

\$50,000 - \$99,999

International Galapagos Tour Operators Association
United Nations Environment Programme

\$10,000 - \$49,999

Galapagos Conservation Trust
Green Fund of Japan
Save Our Seas Foundation
Keidanren Nature Conservation Fund
Oak Foundation
St. Louis Zoo
Prince Albert II of Monaco Foundation
Paul M. Angell Family Foundation DAF
Resources Legacy Fund
Swiss Friends of Galapagos

\$1,000 - \$9,999

Cameron Foundation
Focused on Nature
Frankfurt Zoological Society
Galapagos Conservancy Canada
BESS Forest Club
Japan Association for Galapagos
Mortimer Charitable Lead Trust
Rufford Foundation
Stanford University Alumni Association
Waitt Foundation

Corporations

Above \$150,000

Ecoventura
Lindblad Expeditions

\$10,000 - \$49,999

Galapagos PRO

\$1,000 - \$9,999

Agisoft LLC
BESS Forest Club
EcoHit Ecuador
Griconfex
Hotel La Casa de Marita
Inventagri
Tropical Aquaculture Products Inc.
Wilderness Travel

Individuals

Above \$100,000

Ms. Karen Lo

\$50,000 - \$100,000

Gordon Cooper
Will and Matty Gladstone - The Blue Feet Foundation

\$10,000 - \$49,999

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\$1,000 - \$9,999

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Kathleen Slobin
Ellen and Frits van Bruggen
Phil van Haarlem
Clifford Washer
Dyann and Peter Wirth

2019 Conservation Costs

 <p>\$7</p> <p>Gloves</p>	 <p>\$13</p> <p>Parasitic fly traps</p>	 <p>\$20</p> <p>Underwater notebook</p>
 <p>\$40</p> <p>Compass</p>	 <p>\$60</p> <p>Snorkeling Equipment</p>	 <p>\$100</p> <p>Light trap to collect fish larvae</p>
 <p>\$380</p> <p>Wetsuit</p>	 <p>\$750</p> <p>Monthly stipend for a local volunteer</p>	 <p>\$1,500</p> <p>Publication of one academic paper</p>
 <p>\$1,700</p> <p>Drone to identify locations of invasive plants</p>	 <p>\$2,300</p> <p>One-day boat rental for marine research expeditions</p>	 <p>\$3,500</p> <p>Printing of educational booklets for local schools</p>
 <p>\$5,000</p> <p>University scholarship granted to a local student for one year</p>	 <p>\$5,300</p> <p>Stereo-microscope for specimens study</p>	 <p>\$19,000</p> <p>GPS transmitter mounted on a sea turtle to track its movements</p>
 <p>\$99,000</p> <p>Annual cleaning and maintenance cost</p>	 <p>\$118,000</p> <p>Annual cost of electricity, internet, phone</p>	 <p>\$61,808</p> <p>Annual conservation cost of the collections</p>

Support
our
Work

Make a
Donation

You can donate by visiting our website:
www.darwinfoundation.org

The Foundation also receives donations
by PayPal, check, direct transfer
and donations of shares.

If you want to donate using one of
these methods, contact our
fundraising team at
fundraising@fcdarwin.org.ec

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