



2024

ANNUAL REPORT

PRESENTATION

The year 2024 presented numerous challenges to our mission of raising awareness about light pollution. Given this, our Foundation deployed considerable material and human resources to bring the general public closer to the need of taking care of dark skies.

Chile presents unique dark skies conditions, which makes it a natural laboratory for the development of science and astronomy. Thanks to these comparative advantages, close to 40% of the total astronomical capacity is now installed in Chile, a number that is expected to increase to 70% at the beginning of the next decade after the start of operations of the new generation of large telescopes. In addition, there is growing scientific evidence of the impacts of light pollution to human health and biodiversity, which calls for an increase in the measure aimed at protecting human health, the environment and the scientific heritage. Because of this, the latest update to the lighting regulation has a national scope, which requires the development of measures that ensure its correct implementation and knowledge by the general public.

This year was marked by the implementation of a work plan based on four pillars: raising awareness, mobilizing, monitoring and retribution. Each of these pillars was aligned with the coming into effect of the new lighting regulation in October 2024. In the pillar associated to raising awareness, progress was reflected in the update of the Foundation's webpage and in the joint publication –together with the Ministry of the Environment - of an Illustrated Lighting Regulation which has the goal of bringing this technical knowledge closer to the public, thus democratizing the access to knowledge.

The mobilizing pillar had as its main milestone the development of the Glowatch application, an example of citizen science which allows the users to report sources of light pollution. More than 250 reports were received during the year, which has allowed us to characterize and localize sources of light pollution that have an impact on the general public. In the monitoring pillar, a joint work with

the Pontificia Universidad Católica de Valparaíso allowed for the development and implementation of 07 units of the "Blubos" device, a low-cost sensor which will contribute to the generation of a baseline for the current state of light pollution. Finally, in the retribution pillar, we have made progress in making a census of a key partner to our goal: the operators of astro-tourism.

All this effort has led to greater public awareness of what we do as a Foundation. We will continue to work with even more energy during this 2025 in the hopes that everyone will want to become a guardian of our dark skies.



Guillermo Blanc M.
President Fundación Cielos
de Chile

WHO ARE WE?

We are private, non-profit institution whose main goal is to protect the quality of the Chilean dark skies, a world-class and unique environmental, cultural and scientific heritage which is suffering progressive degradation due to the excess of artificial lighting.

We are committed with the different actors of society to generate networks of support in both the public and private spheres, since the dark skies belong to everyone and are for everyone to enjoy.

Mission

Our mission is to promote, protect and preserve the Skies of Chile given their extraordinary value as a natural laboratory for the development and teaching of science and research, and as an element of cultural and recreational importance to our citizens and tourists from all over the world.

Vision

We want to be a leader institution – both nationally and internationally – in the fight against light pollution and in the evaluation, regulation and mitigation of its effects, with the goal of recovering the natural levels of darkness for our night skies.



GOVERNANCE

The Foundation is managed by a Board that oversees the higher direction of the Foundation in conformity with its statutes. This Board is composed of a President, a Vice-President, a Secretary, a Treasurer and two Directors. The Board is elected for a three-year period, with the latest renovation taking in place in August 2022. The members of the Board are designated by the Founder, preferably amongst the Founding Members of the Foundation, and they are ratified in their charges every year during the yearly March Board Session.

During the year 2024 there were no changes to the composition of the Board. Its composition is as follows:

BOARD



Guillermo Blanc
President



Luis Chavarría
Vice-president



Leopoldo Infante
Secretary



Óscar Contreras
Treasurer



Steffen Mieske
First Director



Eleonora Sani
Second Director



Daniela González
Executive Director

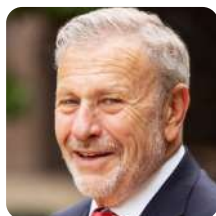


Juan Pablo Valenzano
Project Coordination

COLLABORATIVE MEMBERS



Mark Philips



Miguel Roth



Bárbara Rojas

PERSONNEL

At an operational level, the Executive Director is responsible for working with the Board and the personnel to ensure that the mission of the Foundation is fulfilled through the execution of its programs, the development of a strategic planning plan, and the communication of its message to the society, as well as obtaining the necessary resources to sustain the Foundation in a financially sustainable manner.

Working together with the Executive Director, the Project Coordination is in charge of leading and supervising the execution of initiatives to reduce and manage light pollution in different environments.

This role requires the development and implementation of strategies, project coordination, collaboration with interested stakeholders and ensuring the compliance with relevant regulation, through the close collaboration with environmental agencies, government entities and organizations of society in order to mitigate the impact of light pollution in ecosystems, science and human health.

STRATEGY

The Foundation's activities follow the guidelines of the 2023-2025 Strategic Plan that is built around four pillars:

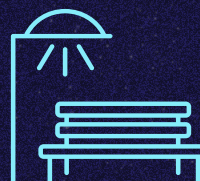
Raising Awareness



Making Light Pollution a Visible Problem.

It is necessary give Light Pollution greater visibility and position it as a real problem that impacts an important segment of the population, with consequences that have environmental, social and economic consequences. To this end, it is fundamental to be part of the public discussion around the elaboration of policies and strategies, contributing from a place of knowledge and research, creating links with different actors and stakeholders across all territorial scales. In addition, the Foundation must create alliances with the international community that advocates for the dark skies, developing joint lines of work.

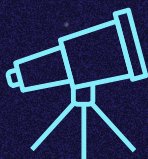
Reuniting



Making efficient lighting an standard for the country and the rest of the world.

The best indicator of our work is an active society that demands concrete solutions and exercises its controlling agency while understanding the benefits of the dark skies for both the people and the environment. In order to attain this, it is necessary to count with updated data for tracking and monitoring progress and also being present in all relevant instances of participation.

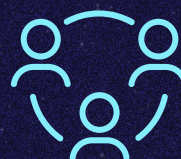
Mobilizing



Bring people, ideas and resources together to reduce light pollution.

The rampant growth of light pollution requires concrete efforts in order to reduce it, especially in new areas of scientific value and in the research for astronomical observation. This must be a joint effort of all relevant stakeholders, and the Foundation plays a key role in providing advise to guide the actions of this group. In parallel, it is fundamental to promote instances of multidisciplinary work that amplify the message in favor of reducing light pollution.

Retribution



Promoting the sustainable development made possible by dark skies.

Taking care of the dark skies provides an opportunity for modes of productive development based on science and technology that are environmentally sustainable and opens spaces for other activities that are respectful towards the environment and the dark skies. It is important that the population knows about these opportunities for development and about the research that is taking place in our country..

PROGRAMS AND PROJECTS



ILLUSTRATED
LIGHTING
REGULATION

SPONSOR



TARGET AUDIENCE

General Population, Ministries, Regional Governments, Regional Councils, Town Halls, Municipal Councils

DIRECT USERS REACHED

350

Printed copies

1.007

Website views

GOALS OF THE PROJECT

Bringing the new lighting regulation closer to the population and the decision makers, in order to promote its correct implementation, thus reducing the gaps of access to technical knowledge

ACTIVITIES EXECUTED

- Design of the document and selection of contents together with the Ministry of the Environment.
- Publication of 750 physical copies, and creation of a link in the Foundation's webpage for downloading digital copies.
- Launching seminar.

RESULTS

- 350 physical copies of the illustrated guide delivered.
- Increased access to technical knowledge in an easy and pleasant format.
- Enhanced positioning of the Foundation



LOCATION
Santiago.



GLOWATCH

SPONSOR



TARGET AUDIENCE

Ciudadanía en general, escolares,
Superintendencia de Medio Ambiente

DIRECT USERS REACHED

263 Users
reached

GOALS OF THE PROJECT

Promover y educar en el control de la contaminación lumínica, impulsando la protección de los cielos, la biodiversidad, y la calidad de vida de las personas de nuestro país, desarrollando una plataforma digital que genere un catastro nacional de fuentes de contaminación lumínica, a través de ciencia ciudadana.

ACTIVITIES EXECUTED

- Launch of the Glowatch application in January 2024.
- Lightwalks: activities coordinated at a national level between May and October, where groups of volunteers gathered in different points of the country to identify sources of light pollution.
- Upgrades to the platform to improve visualization of the reports.

RESULTS

- Lightwalks in 11 cities of the country, from Iquique to Punta Arenas.
- 263 validated reports of sources of light pollution.
- Increased awareness of the different forms of light pollution.
- Information about some of the main sources of light pollution at an urban level.



LOCATION

From Iquique to Punta Arenas.

GLOWATCH

Lightwalks in

11 CITIES OF THE COUNTRY

from Iquique to
Punta Arenas

263 VALIDATED REPORTS

of sources of light
pollution

ENGAGEMENT AND AGREEMENTS

VISIT OF THE DARKSKY INTERNATIONAL CEO

The CEO of DarkSky International, Ruskin Hartley, visited the La Silla, Las Campanas and the site of the future Giant Magellan Telescope in the context of a visit organized by the Foundation. Hartley stated that his visit to the country started at the observatories because that is the origin of the new regulation regarding light pollution: “The astronomical community is dedicated to protect the dark skies as a vital resource that enables their scientific research”.

Mr Hartley was joined by Luis Chavarría, former ESO representative in Chile; Daniela González, Executive Director of Skies of Chile Foundation; Óscar Contreras, Legal Representative of GMTO and Guillermo Blanc, President of the Foundation and representative of Las Campanas observatory.

During this instance, it was determined that generating efforts to protect the dark skies must be a priority, as they are fundamental not only for astronomical observation purposes, but also for the preservation of the biodiversity and natural landscapes of the country.

During his visit, Mr. Hartley also met with local authorities, professionals and suppliers of the lighting industry, and representatives of the academia, in order to discuss the importance of the correct application of the new lighting regulation associated to light pollution. Mr. Hartley spoke positively of the new Chilean regulation: “I believe that Chile has the potential to become an example to follow. It has gone further than other countries in recognizing artificial night lights as an environmental pollutant, in the same way that we recognize other pollutants of the waters and the air. It is an important step forward and a reason to look up to Chile as a leader in the field”



I believe that Chile has the potential to become an example to follow. It has gone further than other countries in recognizing artificial night lights as an environmental pollutant, in the same way that we recognize other pollutants of the waters and the air.”

Ruskin Hartley
CEO of DarkSky International





SEMINARY ABOUT MEASUREMENT OF LIGHT POLLUTION IN CHILE

On the 23rd of July 2025, the Seminary about Measurement of Light Pollution in Chile took place at the Center for Advanced Studies and Extension of the Pontificia Universidad Católica de Valparaíso (PUCV). Experts of the scientific community and the civil society discussed about the impact of artificial light to the dark skies and about ways to measure this impact. The event had an attendance of more than 110 people and more than 220 live visualizations on streaming.

The seminary had as a main speaker Mr. Alejandro Sánchez, astrophysicist from the Universidad Complutense of Madrid and author of multiple publications about the modelling and measurement of the glow of the dark skies. During his conference, Mr. Sánchez discussed the technical and societal challenges that are faced when it comes to measuring light pollution.

The Executive Director Daniela González made a presentation representing the Foundation, and exposed the different reasons of why data is needed to take care of the dark skies.

+310

people attended this event in person and online



The seminary also had the participation of Ángel Otarola, environmental scientist from ESO; Sebastián Fingerhuth, Director of the Interdisciplinary Engineering Center of the PUCV; Ximena Muñoz, President of the Association of Lighting Professionals of Chile; Marcelo Jaque, research from the Universidad de La Serena; and Christian Adam, post-doctoral researcher from the Universidad de Antofagasta.

This seminary was organized in the context of the collaboration agreement between the Pontificia Universidad Católica de Valparaíso and the Foundation.

VISIT TO INACAP TO PROMOTE ASTRO-TOURISM AND THE PROTECTION OF DARK SKIES

On the 20th of July 2025, the Executive Director of the Foundation gave the talk “Astro-tourism as an opportunity for the protection of dark skies” to the students of the Maipú and Puente Alto campuses of INACAP. This activity marked the start of a collaboration effort between the Foundation and the biggest technical-professional institute of the country, in an effort to conscientize young people about light pollution and its impact to the astro-tourism industry.

According to Jaime Contreras, INACAP’s Director of Engagement and Innovation (Puente Alto), tourism is one of the main careers in the South and Southwest campuses of the Metropolitan Region, given its proximity to San José de Maipo and Pirque, two areas with a strong presence of the astro-tourism industry.

In addition, students have shown a particular interest in astro-tourism, which according to Mr. Contreras could be explained by two factors: a growing interest in nature in the younger generations, and the ample opportunities for astro-tourism that Chile provides. Contreras added: “There is an interest in connecting with nature and making a contribution in a topic that affects everyone, such as light pollution. Moreover, astro-tourism generates a lot of interest

in our students and opens the door to multiple opportunities. Given this, it is important that our students create links with institutions such as Skies of Chile Foundation, which is making things that are outside the traditional teaching framework usually used by technical and professional organizations”



There is an interest in connecting with nature and making a contribution in a topic that affects everyone, such as light pollution. Moreover, astro-tourism generates a lot of interest in our students and opens the door to multiple opportunities.”

Jaime Contreras
INACAP’s Director of Engagement and Innovation (Puente Alto)





AGREEMENTS



STARLIGHT FOUNDATION

With the goal of keep promoting the protection of the dark skies of Chile as a patrimony of humanity, Skies of Chile Foundation and the Starlight Foundation signed a Cooperation Agreement.

This alliance aims to develop and implement actions plans to fight against light pollution, promote astro-tourism in Chile, and facilitating the certification processes for the territories in many of the different modes contemplated by the certification system.

Currently, Chile hosts the Starlight Reserve in the Bosque Fray Jorge National Park (Coquimbo Region), the Starlight Touristic Destinations of Alto Loa, Pampa Joya and Mano del Desierto (Antofagasta Region), the San Andrés de Pica Town and most recently the Peregrino de Andacollo Trail, which was certified as a Starlight Trail.



ILLUSTRIOUS TOWN HALL OF VALLENAR – ATACAMA REGIONAL GOVERNMENT

During 2025, the Foundation signed an agreement with the Illustrious Town Hall of Vallenar, with the support of the Atacama Regional Government, which commits resources to renovate the 9.000 luminaires of the commune. Through other initiatives, the agreement also aims to invigorate the astro-tourism activity in the localities of Domeyko and Cachiyuyo.

This agreement fits within the strategic efforts that the Town Hall of Vallenar is doing to protect the dark skies and use them for the development of astro-tourism as a pillar of the area's development.

“One of the most valued characteristics of our territories is the availability of clean skies” indicated Armando Flores, mayor of Vallenar. He also added that: “we have signed this agreement because these characteristics allow us to generate business opportunities, opportunities for science, for technology. What we want is to project to the future this special quality of our territory, and also generate revenue and opportunities for our young people”

EXTENSION AND COMMUNICATION



STAR-SAILORS DOCUMENTARY

The Foundation participated in the launch of the documentary “Navegantes Estelares” (Star-Sailors). This piece had the sponsorship of the Las Campanas Observatory and the Giant Magellan Telescope and also had financing from the Ministry of Science, Technology, Knowledge and Innovation.

The documentary was first projected in the Monumental Lighthouse of La Serena, and tells the fascinating history of the observatories in Chile. The Executive Director, Daniela González, together with the Board Members Leopoldo Infante and Óscar Contreras, participated in a panel discussion and described the documentary as an experience that strengthens our commitment to astronomy and the preservation of our skies.

NIGHT OF STARS AT THE MIRADOR INTERACTIVE MUSEUM (MIM)

On the night of the 17th of February, the Foundation was present at the Mirador Interactive Museum (MIM), participating in the “Night of Stars”, where people could come to the museum during night hours.

Members of the Foundation discussed with kids, young people and adults about the impact of light pollution and the importance of protecting the dark skies. In addition, the opportunity was used to promote Glowwatch, the citizen science tool for reporting cases of light pollution.





XI FAIR OF ENVIRONMENTAL EDUCATION

On the 28th of August, and together with more than 40 expositors, the Foundation participated in the XI edition of the Fair, which is organized by the Metropolitan SEREMI of the Environment, and is dedicated to promoting practices which are sustainable and pro-environment.

The motto of this year's fair was "Educating for Climate Change", and activities included the presentation of the "Travelling Whale" act by Freddy Faúndez, drawing workshops, storytelling, concerts, and the mobile truck of the Mirador Interactive Museum.

The Foundation was present in its stand, talked about our darks skies, and highlighted the importance to protect them from artificial light.



INTERNATIONAL SEMINARY "PROTECTION OF DARK SKIES: LIGHT POLLUTION AND CHALLENGES FOR VICUÑA"

The plan for the protection of the dark skies of the Vicuña commune was presented in this seminary. This initiative aims to reduce light pollution in the Elqui zone with the goal of protecting astronomical observation for research and astro-tourism purposes, protect the biodiversity of the area and human health, and making good use of the electrical power of the city.

The seminary counted with the participation of important national and international actors from AURA, the Universidad de la Serena, the Mamalluca Observatory, Transforma Turismo, DarkSky International and other leading organizations in the protection of the dark skies.



SEMINARY "DIFFUSION OF THE LIGHTING REGULATION"

In the context of the new National Lighting Regulation, this discussion panel had the goal of showing the need to preserve the dark skies for astronomy, considering that Chile has a privileged window to the universe, and providing resources about the implementation of the new Lighting Regulation to the regional professionals in the audience. This seminary counted with the presence of the Executive Director, who exposed together with distinguished representatives from the Department of Noise, Light and Smells of the MMA, the Superintendency of the Environment and the SEREMI of the Environment of the Atacama Region.

LADERA SUR

For the second year in a row, the Foundation participated in the Ladera Sur event. On the 15th of November, our Executive Director, Daniela González, participated as a speaker in the discussion panel "Dark Skies: Scientific and Environmental Patrimony". In addition, during the three days of the event, the Foundation was present with a stand in the "Environmental Brotherhood" sector to share its efforts related to the protection of the starry nights.

The event had the participation of more than 130 speakers, renowned musical acts, more than 100 NGO's and Foundations, 150 sustainable entrepreneurs, and other talks and interactive workshops.



FORUM "ART, SCIENCE AND TERRITORY: THE CROSSROADS"

The Foundation was present in the National Museum of Fine Arts for this event organized by the Ministry of Sciences of Chile, in collaboration with the National Services of the Cultural Patrimony. The program included interactive activities, workshops with artists, trans-disciplinary residencies and guided tours to explore new forms of artistic and scientific expression. The discussion included crucial topics for the environment, such as conservation, biodiversity, activism and the role of the arts and the sciences in transforming the education about the environment.





DIFFUSION AND SOCIAL NETWORKS



During the second half of the year we renovated our website, matching its look to the visual identity that has been developed for social networks. This new website has a better organization of the contents, making navigation easier.

In addition, it adds two new sections that promote our programs, and the ways in which the public can get involved and support the protection of the skies: Get Involved and Astro-Tourism.

In social networks, we continued with the “Special Thursdays”, and we ended with a special about the Lighting Regulation where the main concepts of the regulation were presented in a simple and graphical way.

This special was followed with a series about “Astronomical Communes”, where every week was dedicated to one of the 29 astronomical communes of the country, highlighting the special characteristics that make them unique beyond their proximity to scientific observatories.

OUR REACH

MEDIA:

48 MEDIA PUBLICATIONS

31% ONLINE MEDIA

15% PRINT

6% TELEVISION

6% RADIO

WEBSITE::

6.147 VIEWS
(OCT-DIC 2025)

INSTAGRAM:

3.896 FOLLOWERS

1.747 NEW FOLLOWERS

246.663 TOTAL VIEWS OF OUR CONTENT

LINKEDIN:

1.396 FOLLOWERS

607 NEW FOLLOWERS

103.068 TOTAL IMPRESSIONS OF OUR CONTENT



CONTAMINACIÓN EXCESIVA:
necesario o excesivo de luces
en zonas urbanas y rurales.

EFICIENCIA DE ENERGÍA:
ineficiente de la energía eléctrica
o a luces mal dirigidas o mal
ajustadas.

CONOCIMIENTO:
desconocimiento en la
ciudad sobre los efectos negativos
de la contaminación lumínica.

★ **SOLUCIONES:**

**REDUCIR LA CONTAMINACIÓN LUMÍNICA
A NIVEL PERSONAL PUEDE MARCAR UNA
GRAN DIFERENCIA. AQUÍ TIENES ALGUNAS
SOLUCIONES SIMPLES Y CONCRETAS QUE
PUEDES IMPLEMENTAR**

1. **APAGAR LAS LUCES INNECESARIAS:** cuando ya
no necesitas una luz, apágala. Esto reduce el
consumo de energía y evita la contaminación lumínica.
2. **USAR LUCES MÁS TENUES:** utilizar luces
más tenues y de menor potencia para
iluminar el hogar y el jardín. Las luces tenues
de bajo consumo son una buena opción.
3. **DIRIGIR LAS LUCES:** utilizar luces
direccionales que dirijan la luz hacia abajo y
eviten que se proyecte hacia arriba o
hacia los vecinos. Pueden ser útiles para
iluminar el jardín o el patio.
4. **USAR LUCES CALIENTES:** utilizar luces
calientes (2700K o menos) que son más
cómodas para los ojos y no generan tanto
calor como las luces frías.

**AL ADOPTAR ESTAS PRÁCTICAS, ESTÁS AYUDANDO A
PROTEGER EL MEDIO AMBIENTE, AHORRAR DINERO
CON LUCES EFICIENTES Y MEJORAR LA CALIDAD DE
VIDA PARA TODOS.**

FUNDACIÓN
CIELOS DE CHILE

BALANCE SHEET - As of December 31st, 2024

ASSETS	
Current Assets	
Cash And Cash Equivalents	149.895.019
Short-Term Investments	0
Accounts Receivable	0
Deferred Donations	0
Deferred Grants	0
Accounts Receivable - Social	0
Accounts Receivable - Related entities and persons	0
Accounts Receivable - Sundry receivables	500.000
Other Current Assets	0
Existencias	0
Recoverable Tax	8.234
Deferred Expenses	2.441.275
Other Assets	14.916.231
Current Assets with restrictions	0
Total Current Assets	167.760.759
Non-Current Assets	
Land	0
Buildings	0
Furniture And Supplies	0
Vehicles	0
Other Fixed Assets	5.133.647
Accumulated Depreciation	-1.334.329
Restricted Fixed Assets (Net)	0
Reserved Fixed Assets (Net)	0
Total Non-Current Assets	3.779.318
Other Assets	
Permanent Financial Investments	0
Other Restricted Assets	0
Other Reserved Assets	0
Total Other Assets	0
TOTAL ASSETS	171.560.077
LIABILITIES	
Current Liabilities	
Obligation With Banks And Financial Institutions	1.164.158
Accounts Payable	0
Suppliers	2.530.446
Related entities and persons	0
Sundry	4.602
Funds and projects under administration	0
Other Liabilities	0
Income Tax - Pending	1.282.881
Retentions	1.018.579
Provisions	0
Deferred Revenue	7.734.065
Other liabilities	0
Total Current Liabilities	13.734.731
Non-Current Liabilities	
Other Non-Current Liabilities	0
Long-Term Financial Liabilities	0
Total Non-Current Liabilities	0
TOTAL LIABILITIES	13.734.731
EQUITY	
Unrestricted (Freely Available)	0
Shares To Be Subscribed	0
Subscribed And Unpaid Shares	0
Reserves	0
Accumulated Result	171.130.553
Net Result Of The Year	-13.305.208
Total Equity	157.825.345
TOTAL EQUITY AND LIABILITIES	171.560.076

INCOME STATEMENT - As of December 31st, 2024

OPERATING INCOME	
Private	
Donations	145.544.955
Projects	0
Membership fees and contributions	3.280.981
Sale of goods and services (private)	0
Other	0
Public (Government)	
Subsidies	0
Projects	0
Sale of goods and services (public)	0
Other	0
Total Operating Income	48.825.936
OPERATING EXPENSES	
	-162.227.262
Salary Costs	-93.538.993
Operational Activity Expenses	-44.479.891
Management and Administrative Expenses	-712.478
Depreciation	-589.779
Write-off of Uncollectible Accounts Receivable	0
Direct Cost of Goods and Services Sold	0
Other Specific Project Costs	-22.771.871
Other Operating Costs	-134.250
NON-OPERATING INCOME	
	64.919
Investment Income	64.919
Gain on Asset Disposal	0
Insurance Compensation	0
Other Non-operating Income	0
NON-OPERATING EXPENSES	
	31.199
Financial Expenses	0
Loss on Asset Disposal	0
Loss Due to Accidents or Disasters	0
Other Non-operating Expenses	0
Profit / (Loss) before taxes and extraordinary items	-13.305.208
Income Tax	0
Extraordinary Contributions	0
Profit / (Loss)	-13.305.208



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