

**Terra Australis Ignota Research Group (TARIG)** is working on a large exhibition in collaboration with the Contemporary Art Museum, Santiago de Chile 2021. TAIRG is part of Terra Ignota ([terra-ignota.net](http://terra-ignota.net)), a research platform that was born with the idea of seeking an unconventional way of reading the southernmost territory on the planet through the transdisciplinary intersection that integrates local communities, science and art.

Terra Ignota, initiated in 2015 by and for a dynamic group of Chilean and international artists, scientists, curators and producers as a recurrent nomadic lab, focusing on the austral region of Magallanes and the Antarctica peninsula as the area where to analyse the local ecosystem. Informed by archaeology, (de/colonial) history, (indigenous) practices, nature and climate of the region and is aiming to connect that to urgent global questions.

Terra Ignota is rhizomatic, it moves slowly, listens, zooms in and out, and connects; it's periodic encounters continuously (re)shape the direction and outcomes of the project, which will manifest itself in manifold collaborative manifestations such as artistic and scientific publications and presentations, and performances, interventions and installations in the context of international exhibitions.

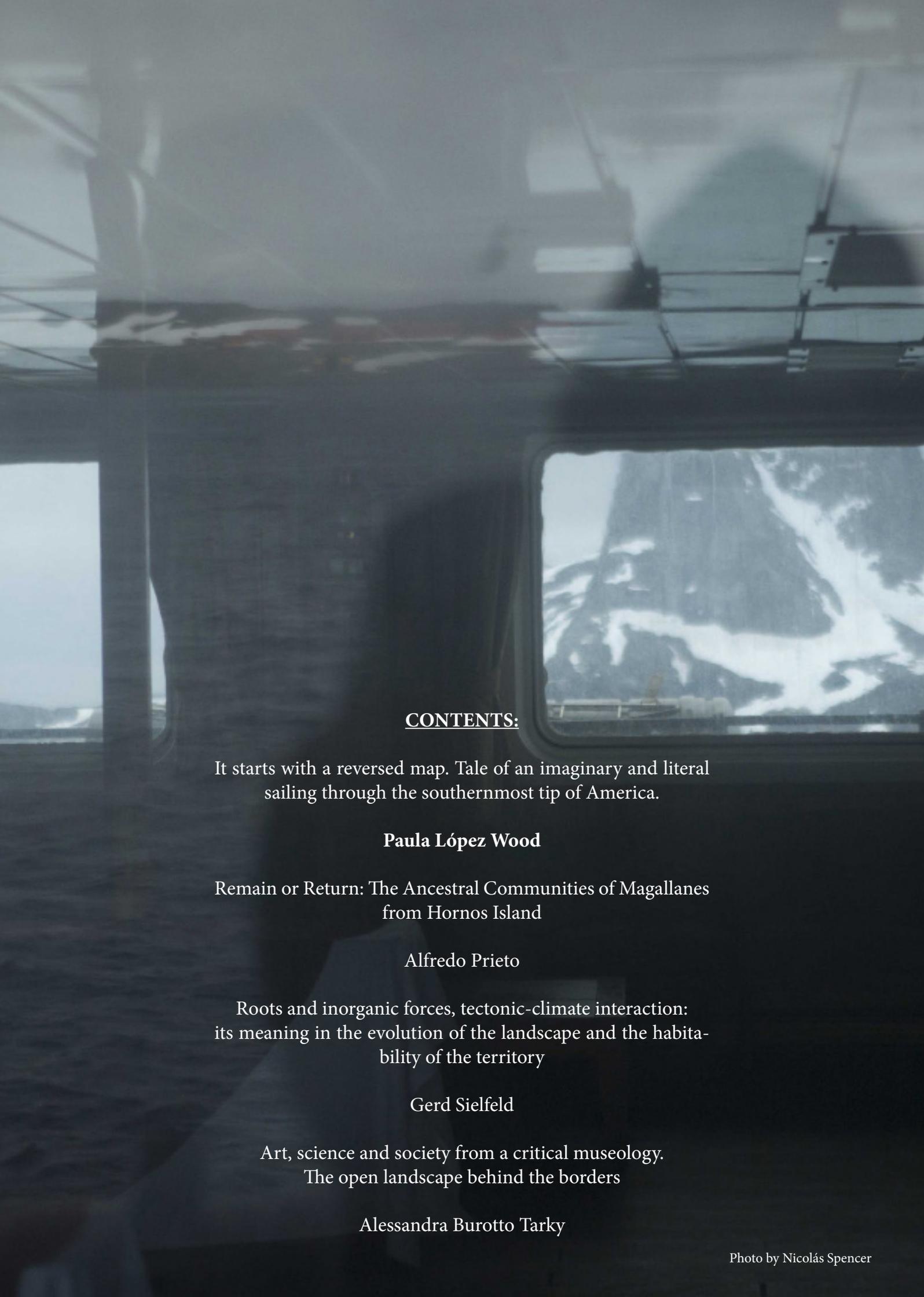


In 2018, Terra Australis Ignota Research Group traveled to Cape Horn, the southernmost continental island in the world before Antarctica.

There, the air, water and earth come together, where the line that divides the two oceans, the land and the air vanishes.

We started a journey in order to listen how the elements of the Earth dialogue there, and finally, amplify the sound of air and wind with the geological and historical narratives that have circulated among this territory.

For Ars Electronica 2020, we will translate those messages, sounds and stories we witnessed during the journey to Cape Horn, to deliver a virtual island that will connect the real with the poetic through a real-time meteorological data.

A photograph of a boat's interior, looking out through a window at a snowy mountain range. The boat's structure, including the ceiling and window frames, is visible in the foreground. The background shows a vast, snow-covered landscape under a cloudy sky.

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Photo by Paula López Wood

Kawésqar anthropologist José Tonko in relation to the travel accounts compiled by members of the Kawésqar ethnic group, sailors from the archipelagos of western Patagonia:

“The narration of the trip uses a more colloquial language, it is the story that carries news and geographical knowledge [. . .] an essential knowledge for every new Kawésqar navigator: those who do not know the routes or know how to get to the resources do not survive in that territory.” (Aguilera and Tonko, 2013, p.28).



Description of the new route south of the Strait of Magellan, discovered and established in 1616 by the Dutchman Willem Schouten de Hoorn. This map of the Strait of Le Maire is from the French edition of Schouten's travel journal, Guillaume Schouten's Journal ou description du merveilleux voyage, hollandois natif de Hoorn, fait en années 1615, 1616; 1617 (Diary or description of the wonderful journey of William Schouten, a natural Dutchman of the city Hoorn, made in the years

1615, 1616 and 1617), which was published in Amsterdam in 1619. Image source: National Library of Chile.

At night, from the window, the tide breaks through the Fuegian channels and struggles against the island. Gusts of 45 knots, mainly auditory, shake the boat with blows. It seems that the wind is going to bring all these separated islands together at once. It is its wild bite that makes and remakes endless fjords and peninsulas, where it continues into the opening of the Drake Sea.

“It is as if the world was born here,” says Captain Leal. The rocks, glaciers and blue hills keep a beauty that is as violent as impenetrable. But the madness of some is the reason of others, they say, and what for an experienced navigator arises as a call to adventure at the edge of the seas, for a passenger far from these places is a graveyard of the brave, roaring Neptune prancing.

The wind is the second element that the first navigators of these waters had to tame, and this scene has reminded it me, again. From the rock that rises at the last headland, the two oceans come to touch and yet they do not join with each other. Osmolarity, salinity and temperature is what explains this mystery of the waters. Captain Leal's voice mixes with the wind, which carries the words with him. “There is good weather, there is bad weather, there are storms. Of everything there is and of all the seas this is the most extreme of all. That is why the myth, so great, that makes sailor to come back, again and again, until they turn at Cape Horn.”

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Photo by Nicolás Spencer

# Remain or Return: The ancestral communities of Magellan from Isla Hornos

Archaeologist and researcher at University of Magallanes

*It might be regretted that God has placed Cape Horn so far south as to be a temporary obstacle. His intention, however, is that this route be abandoned and that the navigable channels of ships be cut through the isthmus of Suez and Panama, tasks which, like so many others, terrorize civilized man but which will be child's play for the industrial armies of the spherical hierarchy.*

Charles Fourier, The Four Movement Theory

*Human genetic material is a fluid, slow or fast, it will always be a fluid that in one way or another seeks its outlets.*

Cape Horn Island does not currently have any ancient archaeological sites of the Yaghan Indians or their ancestors. Only a modern hut shell was found on Horn Island. This was established by Dominique Legoupil in his archaeological survey of the area:

“27 sites were discovered: 1 on Horn Island, 4 on Herschel Island, 15 on the Big Island of Wollaston, 2 on Bayly Island and 5 on Grevy Island, the northernmost island, the researcher says. (Legoupil 1993)

And he draws a good map of his findings in the area to establish that the settlement of the area of the Cape Horn archipelago was quite late: its surroundings were only populated about 700 years ago. Despite not being far from sites whose age was much higher, up to 6,200 years, in the south of Navarino Island, Grandi Sine. Human occupation was recent in the vicinity of Isla Hornos, at a place called Herschel and Wollaston islands.

Why this late settlement of Cape Horn? Perhaps because it is one of the most difficult seas in the world, perhaps because of its indomitable climate,

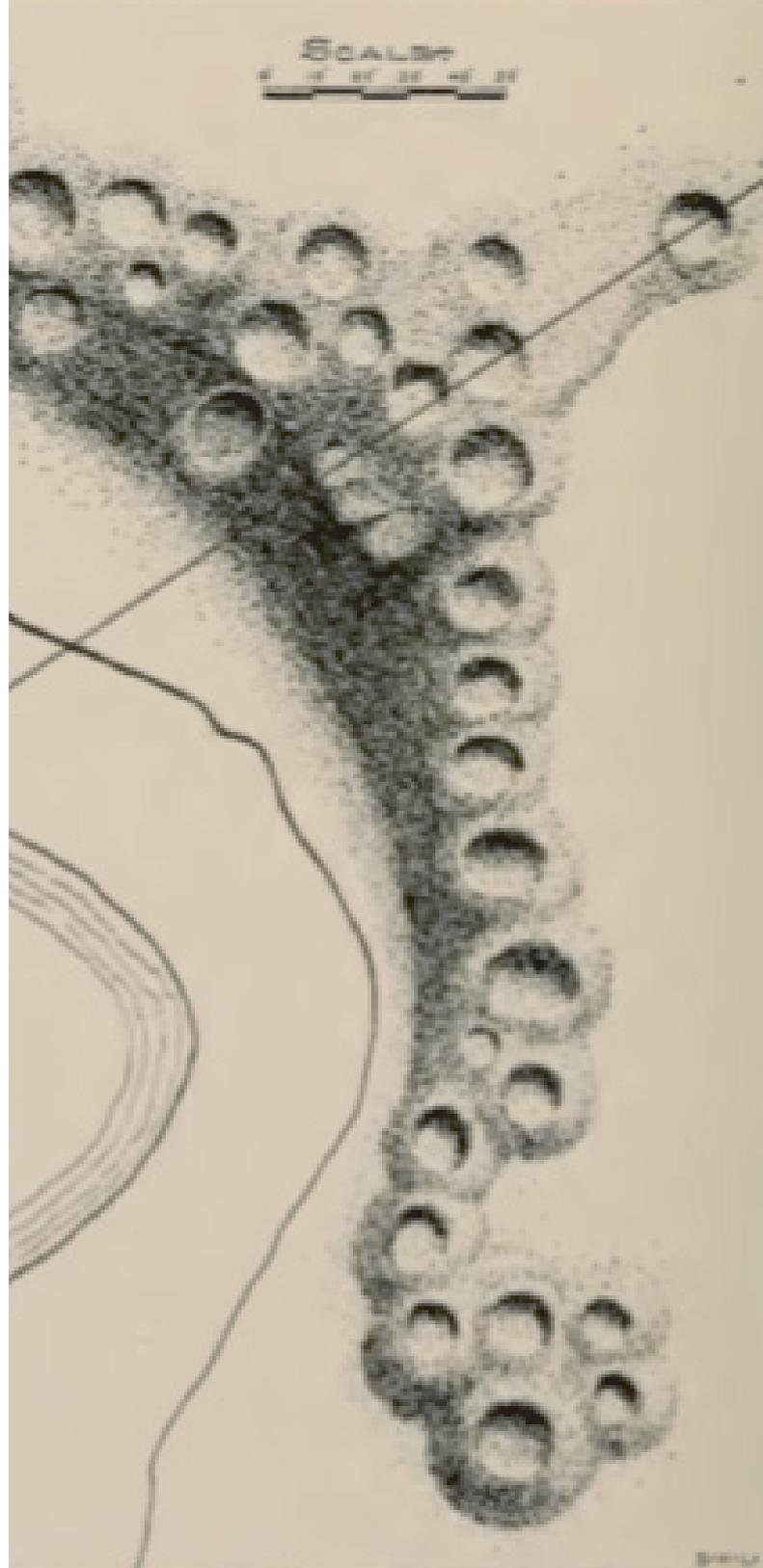
or its difficult and mysterious geography. As the “Brotherhood of the Cape Horners” points out, it is a great trial and sailing feat to be able to reach the end of the island, to go round Cape Horn [1].

## A tragic, imaginary place of wreckage

Between Wollaston and Cape Horn there is less distance than between the southeast end of Tierra del Fuego Island and Isla de los Estados, where the canoeists did arrive about 2000 years ago (Chapman 1987). So one would imagine that, given their excellent technological navigation capabilities, the Yaghans did reach Isla Hornos. Perhaps the incentive to inhabit it and leave a record of it was not enough. The Yaghans did not belong to the vain brotherhood of the Cap Hornier, in spite of having more than the honors to boast of living in one of the world's stormiest seas. And I insist, live, not just pass through them. The island of the States was a real attraction, with big sea lions and penguins. A very good supermarket!

On the other hand, if we look at the whole area, south of the Beagle Channel, there are very old sites, with more than 6500 years of human occupation. These are areas of very intense occupation, which in more recent times have led some authors to speak almost of semi-sedentary settlements (Ocampo and Rivas 2004). *everything they needed to subsist and on that basis also have fun and enjoy life (Fig 1).*





## The Yagan women: best sailors in the world

But this whole existence was always about fragile canoes ruled, as far as we know, by women. The Yaghans placed great importance on two women in their mythology: the Yoalox sisters, cultural heroes who introduced several advances into human life in the far south.

No wonder these women captains are the world's greatest navigators. In fact, they carried a barometer in their souls, because it is not a matter of fighting the unexpected at the risk of one's own life and that of one's loved ones, but of effectively predicting the everyday, controlling it. We believe that those nutshells that were their boats were as fast as they were maneuverable; they needed them to move along the coasts which was the magnificent vein that produced and exhausted their wealth.

Their diet was based mainly on the consumption of pinnipeds, birds, fish and molluscs. Their food waste left a "negative", a trace of their stay (a particular way of living that created a small human microcosm). These places were called wellhouses because they were seen as depressions surrounded by old waste piles, which eventually became building materials. (Lothrop 1928)

Figure 1.  
Ethnic map of southern Tierra del Fuego (after Lothrop, 1928)

Set of "well houses" around the Beagle Channel  
(Taken from Lothrop 1928)

The Yagan of Cape Horn lived for millennia in their environment, with few technical modifications throughout that occupation. They continued to live from fishing, hunting and gathering using harpoons, hooks, baskets along with their decorations, clothing, rites and legends; just as they were known by the first navigators who were able to approach and learn about them. Later the population started to decrease, first because of the decrease of their prey that were exploited indiscriminately by wolves and whalers since the beginning of the 19th century in the area, then, because of the diseases brought by missionaries and navigators for which they had no defenses.

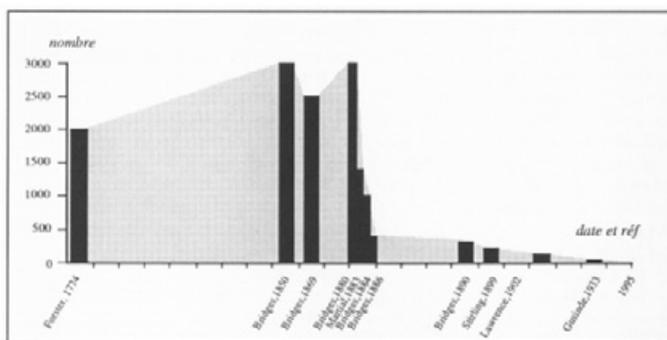


FIG. 3 — Courbe démographique des Yamana, selon les documents ethnohistoriques.

Fig. 3 Taken from Legoupil, 1993

The population declined abruptly around 1886 (Legoupil 1995) and they were slowly conquered by the richer and more hegemonic societies that populated the southern end of the American continent and confined them to the nascent Chilean-Argentinean settlements of what was already their former territory.

This history is not only theirs, reviled like all the peoples of America, it has had a common destiny: they adapted or died. They no longer navigate the waters in their fragile canoes and the last speaker of their language only speaks to herself in a closed house, barely with a view of the old canal.

### The birth of a fire island

Around 1880 Thomas Bridges and two Yaghans, among them Acwalisnan, made a trip through the western channels of Patagonia, taking also a very young Lucas with him, his son. Their intention was to learn the Kawésqar language which, as he knew from the Yaghans - a language he already spoke fluently at

that time - was very different from his own.

In his journey through these unknown channels, in a yawl or boat called Allen Gardiner (in reference to the martyr of the English missionaries) he picked up three young Kawesqar and was able to reach Wellington Island with them, where they found a party of Chonos. One of the Yaghans was related to a Kawesqar and both were fluent in their respective languages.

In turn, one of the Kawesqar knew some of the Chono language (a nomadic indigenous group that inhabited the islands and channels between the southern part of the Chiloé archipelago and the Taitao peninsula in southern Chile, from prehistoric times to the end of the 18th century or more recent times) and were able to communicate. On the way back, the peculiar crew stopped in Punta Arenas and then continued their journey, but on the way they passed to leave the three young Kawesqar in their lands, probably with their families. Bridges left them an invitation to visit them in Ushuaia.

### The interaction of three languages

Continuing his route to the southwest, Thomas Bridges had to go around the great Clarence Island to get into Brecnock and then the Beagle. Acwalisnan urges him to go straight on through a channel unknown at that time and which now bears his name, a channel that separates and gives origin to Captain Aracena Island. He also shows him the site of a pyrite mine that was the place where Yaghan and Kawesqar extracted their firestone: It was the most famous pyrite mine in the whole south, located in the Mercury bosom.

Thus, in a single trip, Bridges observes the interaction of three indigenous languages, probably the product of mixed marriages from the south and the north, and also discovers the main prehistoric mine of the region.

A few years later, a group of Kawesqar arrive on foot to Ushuaia from the Almirantazgo Seno, using an old Indian pass that joined this seno with the Beagle Channel, in the Yendegaia and Lapataia sects. It was a logical step produced by movements and geological accidents in the conjunction of the Scotia plate with the South American plate, and a little more to the west, the union with the Antarctic plate.

Thus, the Kawesqar exchanged elements of their culture



Photo by Nicolás Spencer



Photo by Thierry Duppradou

and technology with the Selknam in the Admiralty and perhaps also used the above-mentioned pass to reach the Beagle Channel, in the same way that they did to the east of Lake Fagnano.

Bridges mentions a mixed population of Selknam and Kawesqar living around Dawson Island. This means that contacts between different indigenous communities were more fluid in that sector. There are raw materials circulating throughout the region and related people in various parts of the geography. It is not surprising that someone originating from the surroundings of Cape Horn was distantly related to a Chono, and these to the Kawesqar, them to the Patagones and these to the Selknam so that further north they could relate to the Mapuche and even further to the Changos and continue to the Atacameños. In this way, blood replicates the old American way. But we know that beyond Cape Horn there were no more humans. From there, the only option would be to stay or return.

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Photo by Robert Carracedo

# Geosciences Core

## Roots and inorganic forces, tectonic-climate interaction: its meaning in the evolution of the landscape and the habitability of the territory

Geologist at Prisma Austral Foundation

The tectonic vorticity and morpho-structural grain of the first order at the southern end of the South American continent reflect the long-lived interaction between the Antarctic, South American and Scotia plates (Figure 1). All of them, of diverse chemical nature, ages and thermo-mechanical properties, print a unique and complex geodynamic condition, where the sum of their forces, results in a flexure of the Andes mountain range (i.e. Patagonian Orocline).

Approximately at 53.5°S the Andean orogenesis has experienced a flexure from an almost north-south orientation, in the continent, to almost east-west (Poblete, 2015), in Tierra del Fuego; as if the mountain range were a bent plastic filament in 120°). These forces also define discrete tectonic domains with characteristic deformation styles. In addition, the region juxtaposes and locally superimposes typical environments of a subduction orogen, the Magellan-Fagnano Fault System (SFMF), which represents the transforming boundary between the Scotia and South American plates (Lodolo et al., 2003). The fault system, with more than 600 km in length, accommodates a large portion of the cortical deformation, moving in the direction of rocks typical of pre-arc and intra-arc environments, for tens of kilometers, since the beginning of its activity, some 20 to 6 million years (Ma) ago (Sandoval and de Pascale, 2020). On the other hand, the SFMF delimits to the south, bands of folding and compressive shifts, typical of antearctic environments (figure 2.a.), which progressively increase their amplitude from north to south (i.e. the folding and shifting strip of Tierra del Fuego).

In the vastness of the territory, the heterogeneous and conspicuous deformation, controls the geological evolution and the development of relief in a first order, however the erosive action of the last glaciations and the extreme climate, are the common factor that culminates the details and precisions in the sculpture of the landscape that we observe today. Since the last glacial maximum (14,000 years A.P.; e.g. Rabassa et al.,

2005), until the present, the landscape has shown only slight changes in its form, while it has been preparing for the habitability of current ecosystems, including the integration of the sapiens species into this natural system.

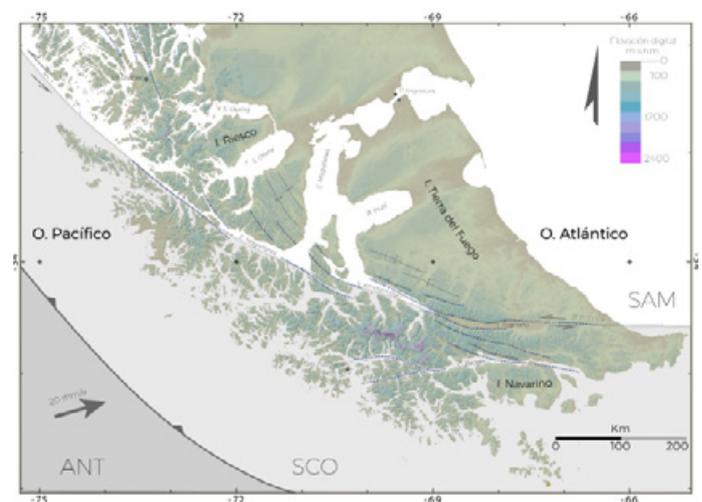


Figure 1. Geodynamic map of the southern end of the Southern Andes. Composition of shaded relief and slope images, superimposed with topographic color scale, generated from the digital elevation model of the ALOS PALSAR mission with 15 m spatial resolution. Antarctic (ANT), Scotia (SCO) and South American (SAM) plate boundaries represented by a thick gray line. Magellan-Fagnano and Beagle Channel Fault Systems represented by the set of segmented blue lines (Cunningham 1993, Betka, 2016) The deformation and sliding velocity along the Magellan-Fagnano fault is represented (Sandoval & De Pascale, 2020). White dots indicate active volcanoes. Yellow rhombus, Cape Horn on Horn Island - Wollaston. S: sine; C: channel; Co: mountain range; E: strait; Vn: volcano; I: island; B: bay; L: lake; O: ocean.

The geological evolution of the sector dates back to the Late Paleozoic, some 380 Ma ago, a period in which a primitive subduction system would have been in place. Later, during the Gondwana Rupture in the Middle to Late Jurassic, the region experienced cortical extension culminating in the opening of the marginal Green Rock basin. This one, with an extreme widening and magnitude of extension towards the south, developed partial fusion of the lithosphere producing magmatism of meso-oceanic ridges, and beginning the



Terrain photos documenting crustal deformation. a) Folds and vertical strata of units belonging to the Austral Basin. b) Silica echelon hydrofractures in the Magellan-Fagnano Fault zone (Tierra del Fuego). c) Erratic granite blocks in Sierra Balmaceda, Tierra del Fuego. These blocks come from Cordillera de Darwin, 200 km south of the current position of the blocks.

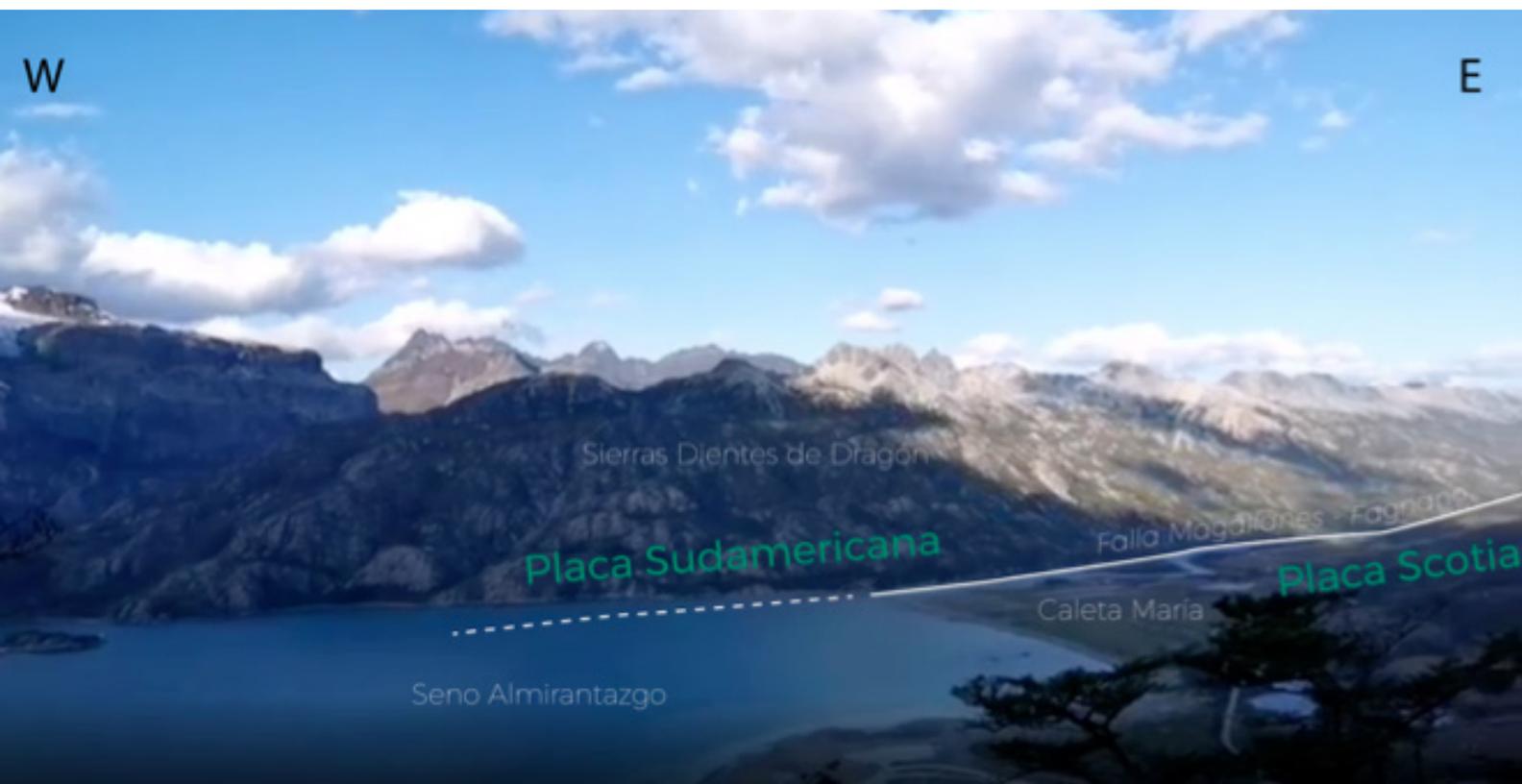
break and separation between the Antarctic peninsula and the South American continent. As a whole, these rocks would have experienced deformation and thermo-dynamic metamorphism during the beginnings of the formation of the southern orogen, as a consequence of the reactivation of the subduction system in the Middle-Late Mesozoic. During this period, particularly in the Lower Cretaceous, a chalky magmatism stage would have taken place, forming crystalline rocks that constitute the fundamental mass of the current Darwinian Mountain Range. Towards the north of the magmatic arc strip, the development of the antechamber basin, the Austral Basin, began, which simultaneously in its domain near the orogenic front, experiences ductile and fragile deformation.

The tectonic history of relative movement between South America and the Antarctic Peninsula would have been triggered in the Late Cretaceous, caused by the expansion of the ocean floor in the western Scotian Sea and the subsequent opening of the Drake Passage. Consequently, this dynamic would have implied the flexure of the Oroclino Patagónico.

From this stage, the relative movement between both continental blocks, would have prepared the conditions for the origin and development of the Scotia plate and establishment of the SFMF, as tectonic limit between the Scotia and South American plates.

Today it is possible to evaluate the finite displacement associated with the movement of this fault system, by observing horizontal separations between outcrops of Paleozoic and Jurassic metamorphic rocks, north and south of the SFMF. Up to 60 km of accumulated landslide since the beginning of the SFMF activity have been calculated, based on geological indicators of displacement. In the historical record, at least 6 earthquakes of magnitude equal to or greater than 7 (i.e. 1879 -Mw7.0, Mw7.5-; 1949 -Ms 7.8, Ms 7.5-; 1950 -Mw 7.0-; 1970-Mw 7.2-) are documented along the SFMF. Recent studies reveal, by means of deformation measured in Quaternary glacial deposits, a neotectonic activity with displacement rates of the order of 10.5 +/- 1.5 mm/year and 7.8 +/- 1.3 mm/year in the surface expression of the SFMF in Tierra del Fuego, around the Fagnano Lake (Figure 3).

Figure 3. Oblique aerial view over the mouth of the Azopardo River in Seno Almirantazgo. The Sierra Dientes de Dragón, with an east-west orientation, is built limited by two segments of the Magallanes-Fagnano fault system (image only shows trace of southern segment). This fault system is the transforming tectonic boundary between the South American (to the north) and the Scotia (to the south) plates. The combined effect between tectonics and climate is observed in the image.



Simultaneously, from the last 6 AM, the terrestrial climate has begun to cool, entering into cycles with characteristic periods of oscillation between extreme cold (glacial phase) and heat (interglacial phase).

Since the end of the last century, scientists have tried to attribute the cause of climate changes to astronomical factors, which influence the effective distance between the Sun and the Earth, thus making temperatures extreme in the seasons. Thus, today it is understood that variations in the precession movements of equinoxes, the angle of inclination of the Earth's rotation axis and the eccentricity of the Earth's orbit around the Sun are the main factors affecting the development of global climate changes. The chronology of the Patagonian glaciations in the Late Cenozoic (i.e., 6 AM to the present), reveals periods when the southern cone of the continent would have been covered by ice sheets hundreds of meters thick. The movement of the ice, generated by the force of gravity and partial melting at times by the transition to warmer periods, would have been the managers of the dual, erosive and depositional effect of the glacial masses.

The "landscape" system comprises an endogenous portion associated with the nature of the rocks that make up the geofoms and the tectonic deformation, materialized in structures. The resulting geometry designs the first order geomorphological grain in the landscape which is reworked by an exogenous fraction, associated with atmospheric and gravitational agents, erosion, weathering and sediment transport. In this way, the combination of factors exhumes and unveils the magmatic roots of the Southern Andes in the Cordillera de Darwin (erratic blocks 200 km north of Cordillera de Darwin from this unit in figure 2.c), strips of thermo-dynamic metamorphism in the archipelagos around the Beagle Channel, and inverts sedimentary strata in the Southern Basin, in Tierra del Fuego. In particular, in the abyss of the Southern Andes, before being totally submerged in the Drake Sea, the Beagle and Magellan-Fagnano fault systems have designed the thick outline of the landscape, configuring the main lines of the fjord and channel network, as well as the position of elongated breasts and lakes, limited by mountainous fault escarpments (e.g., Fagnano-Almirantazgo Sound, Sierra Dientes de Dragón; Figure 3).

Landscapes like the one in Figure 3, sculpted by the coordinated and sometimes simultaneous action

between tectonics and climate, were transited, used and inhabited by flora, fauna and sapiens. An asymmetric and oscillatory dance, between tectonic and glacial forces, sculpts in pulses of unequal compasses, the three dimensions that time occupies to accommodate the biological effervescence on the surface. Dynamic and restless, only in the last 6 Ma, the territory has experienced phases of extensive volcanism, climatic cycles with glacial and hot extremes, and constant and permanent deformation along the length and width of inherited fractures. From this combination of natural processes, the landscape that we observe today is the result. During cold and dark periods, the aggressiveness of glacial erosion is undoubtedly one of the factors that leaves deep traces in the southern landscape; in contrast, during transition to warmer periods, its melting, agglomerates sediments in large volumes, either in isolated erratic blocks, creating reliefs and geofoms that are preserved under the atmosphere (FIGURE 2.c.).

Thus, the uncharted territory of the Southern Andes is an open laboratory and museum, where endogenous and exogenous processes have been actively interrelated for at least six million years, culminating in the modeling of the landscape that we perceive today, very similar to the dimension experienced by the first sapiens that collected and hunted in the territory; and very similar, too, to the final brushstroke left by the last glacial maximum, some 14,000 years ago. This implies that after the retreat of the great ice masses, the territory was densifying and diversifying its ecosystems, in the course of the development of climates increasingly prosperous for biodiversity. In this scenario, some 11,000 years ago, the territory was for the first time contemplated by sapiens' eyes, and for the first time the human habitability of the landscape was put into practice.

The territory faced with successive harsh and incisive climates, as we know it today, is drawn dismembered into archipelagos, channels and fjords that articulate fractal lines of infinitesimal coastline. Where the border is diluted in a mixture of oceans, the raw Drake's Sea, separates the last rocks emerged, from the Antarctic horizon. Behind it, from Cape Horn and the Tierra del Fuego archipelago to the South American continent, the landscape wields in a silent chorus of indefatigable geological processes, ergo, the foundations of the existence of the Earth, of the natural physical space and of the long-lived fabric of inorganic life.

# Art, science and society from a critical museology.

## The open landscape behind museology

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**One** of the most significant differences between modern and contemporary art is not only in the configuration of certain historical-political events that determined the most recognizable changes. While this partly explains the development of new artistic practices that we now point to as contemporary, a broader understanding of this drift has been limited by the hegemony of traditional historiographic accounts that tend to inscribe historical milestones on a chronological continuum. Understanding that, in the end, these accounts seek to validate themselves in a more or less founded way, the enthusiasm for decreeing a historical before and after conceals complex dialectic and deeper contextual frameworks, those that are not found on the surface and that involve the tectonic shifts that shape the practices and languages of the contemporary in art, leaving us at the mercy of a purist -and puritanical- reductionism that tends to obstruct the density and vigor of these practices marked by a temporary elliptical becoming, by an expansive drive, by their operations charged with resignification and by methodologies as heterodox as they are delirious.

However, it was this simplification that helped to conceive a large part of the art museums in the radius in which Western hegemony extends its arms, opening up one of the most intense and promising debates on the social function of art and its institutions since the mid-1960s.

It should be remembered that the canon and the hierarchy between what should be considered art and what should not, has its roots in the modern Europeanizing project where the collection of objects considered valuable to preserve for personal or social experience represent the heart of the museum mission. This distinction has been fundamental with respect to other spaces created for cultural circulation - self-managed, private or public - such as art centres, galleries, or exhibitions, festivals and periodic

meetings, to mention the most common. Thus, the museum of contemporary art is a key piece of the art system, even in its most current version, that defined by invisible vectors such as financial speculation, new collecting as well as a litter of artists who celebrate the art market without blushing (Robert Fleck, 2014).

However, this definition of the museum institution has been widely criticized not only for its mercantile bias, but also for leaving out iconoclastic practices that are far removed from the society of the spectacle and that have their origins in phenomena that are outside the canon. Already at the end of the 1950s the Situationist International called for 'overcoming art' by proposing to confront the dilemma of the commodity through the abolition of class society (Guy Debord, 1957). With this vision, they took a position in favour of artistic actions on the edge, underground and political, which had been forged in different ways before and after the Cold War, for which the model of the museum as an entertainment machine was not only insufficient due to its inability to read the world in its vast complexity, but also because its hierarchical position went against the urgent need to construct models of participatory, multidisciplinary and situated museums. In short, a major problem that needed to be addressed from new museological perspectives.

Such have been the tensions in the international debate on the role of museums in society today, that only in 2019 and after a series of expert commissions, participatory consultation and so on, was a new definition consecrated, accepting, in part, what critical museology has been proposing for more than two decades: "Museums are democratizing, inclusive and polyphonic spaces for critical dialogue on the past and the future. Recognizing and addressing the conflicts and challenges of the present, they preserve artifacts and specimens for society, safeguard diverse memories for future generations, and ensure equal rights and equal access to heritage for all peoples. Museums are non-profit-making. They are participatory and



MAC main access in a situation of social normality.  
Neatness as a republican symbol.  
Photo by MAC.

transparent, and work in active collaboration with and for diverse communities to collect, preserve, research, interpret, exhibit, and expand world understandings, with the purpose of contributing to human dignity and social justice, global equality, and planetary well-being. (International Council of Museums, ICOM, 2019).

The Museo de Arte Contemporáneo de la Universidad de Chile (MAC) was born in 1946 with the determined intention of founding a new type of museum institution, capable of interacting with the new productive options and the incipient tendencies that later configured the so-called second avant-garde and that in Latin America had their own autonomous expression of powerful radicalism. This was happening in Chile barely a year after the end of the Second World War, against the backdrop of the hegemony of the fine arts museums that were promoted throughout the region at the end of the nineteenth century, and even before the conception of modern art museums, a sort of transition between the past and the present of that time. The national, public and university character of the MAC marks this primal identity that understands the function of contemporary art as “the place of imminence” and the task of the museum as a space that is dynamically constructed from multiculturalism (Néstor García Canclini, 2011), a feature that it shares with the MAC of the University of São Paulo (Brazil, 1963) and the MUAC-Universidad Nacional Autónoma de México (Mexico, 2008). Even today, it remains the only museum in the country that has promoted a curatorial unit dedicated

to the crossroads between art, science, technology and society that develops exhibition programs in the field of media arts and new media.

This is precisely the natural space for Terra Australis Ignota (TAI) whose exhibition stage will take place during the first half of 2021. Its motivation, however, is not found in the intervention of the white cube by means of a finished work whose invoice is only possible under aesthetic-artistic rules; neither is it limited to the artist-genius who translates his imaginary through semiotic operations that the audience can complete or intervene. Like several art/science projects that choose the field expedition as a methodology to unleash processes of open exchange, what artists, scientists, curators and collaborators involved so eagerly seek is to create intermediate spaces in order to invoke “the suggestive problem of the limits of art and science” (Jasmine Adler, 2014).

The French author Bruno Latour uses the metaphor of vascularization to explain the relationships between science, technology and society, giving an account of a larger system where it is no longer possible to sustain purely scientific, technical or social internal components; Thus he considers the binomials of modernity as subject/object to be outdated, proposing instead the theory of the network-actor (Latour, ANT, 2005) also used to address the interactions between

The social outbreak of October 18 left its marks on the buildings of culture. The MAC rejected the government offer to paint and remove scratches, a political sanitization strategy. The graffiti remains intact.

Photo by MAC, 2020





**Alessandra Burotto (CL)**

Alessandra Burotto, is curator of the Museum of Contemporary Art of the University of Chile, where she coordinates the MediaMAC/Anilla Unit area dedicated to putting value in artistic practices and languages that use technologies, helping to promote the field of media arts at the crossroads between art and science, technology, nature and society.

Journalist and graduated in Cultural Criticism from the University of Chile, for 10 years she has led the Ibero-American Network Anilla Cultural Latin America-Europe for the MAC, an international instance dedicated to the development of new museum formats and methodologies for contemporary cultural action through the intensive use of new information and communication technologies.

**Paula López Wood (CL)**

Writer and travel Journalist, Paula López (1987) graduated from Film and Aesthetics from Universidad Católica de Chile. She also has an MFA in Creative Writing in New York University and is currently doing a PhD in Literature at Universidad Católica de Chile.

Her stories have been published in several printed and digital media such as *Diario El Mercurio* (Chile), *Ladera Sur* (Chile), *Revista Escalando* (Chile), *Revista Endemico* (Chile), *Revista Desnivel* (Spain), *The Explorers Journal* (United States), among others.

She has also written several scripts for documentaries about science, climate change and natural history (Wood Productions).

In 2019 she published her first book, *Animales extintos* (Editorial Cuarto Propio), a group of short stories based in Patagonia. Her narrative has focused on sharing with deep knowledge and passion the territories of the extreme south of America.

**Alfredo Prieto (CL)**

Archaeologist, professor at Universidad de Magallanes (UMAG), Professor of Philosophy at the UdeC, MSc. in Archeology at the University of Cambridge, Diploma in Advanced Studies in Prehistoric Archeology at the Universidad Autónoma de Barcelona, PhD in prehistoric archeology at the Universidad de Barcelona and Visiting scholar in 2013 at Harvard University.

He has focused his research work in the field of prehistoric archeology and the Fuego-Patagónica ethnography. He currently works at the Centro de Investigación GAIA Antártica (UMAG).

**Gerd Sielfeld (CL)**

Gerd Sielfeld (Ph.D.) seismotectonics in active volcanic chains and structural geology of fossil hydrothermal systems.

Structural geologist consultant.

Structural mapping and analysis of brittle strain related to uid ow. Currently mapping at the El Indio-Pascual metallogenic belt (Au).

**Nicolas Spencer (CL/AT)**

His work focuses on ways of understanding nature in all the depth and complexity. His installations mix the massiveness of its components (rocks, metals, gravity, wind, etc.) with the fragility and immateriality of sound.

Spencer's artistic practice is contaminating (and contaminated by) other areas of knowledge as a way of generating alternative epistemological and aesthetic perspectives.

<http://nicolasspencer.cl>

**Víctor Mazón Gardoqui (ES/DE)**

Mazon Gardoqui's work exposes the unheard and unseen, addressing the inaccessible and experiencing vulnerability and awareness on the viewer. Perception and altered states are key concepts on his performances through the use of sound or light. His work materializes in three main fields: actions or site-specific performances through experimental processes, exhibitions as consequences of previous actions and collaborative works through seminars to form a communal dialogue.

His practice explores amplification, electromagnetic phenomena and images of invisible fields by using locative audio and custom electronics.

His work has been performed or exhibited in museums, biennials, galleries, billboards, urban screens and TV/ radio stations in Africa, Russia, Nepal, North America, Canada, Mexico, Bolivia, Colombia, Argentina, Uruguay, Antarctica and numerous locations across Europe.

<https://victormazon.com>

## ARS ELECTRONICA CAPE HORN ISLE

Achæoscillator\_Towards incorporeal forms of sensing listening and gaze  
<https://tairg.org>

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Artist and Director of  
Terra Australis Ignota project  
Co-author Ars electronica Cape Horn Isle

### **Víctor Mazón Gardoqui**

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Terra Australis Ignota

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This project is a cooperation between:  
Ministerio de las Culturas, las Artes y el Patrimonio  
Ministerio de Relaciones Exteriores  
Gobierno de Chile  
Ars Electronica

Dr. Alfredo Prieto is sponsored by Universidad de Magallanes  
The Research Trip to Cape Horn 2018 was supported by the Ministerio de las Culturas, las Artes y el Patrimonio, BKA (Bundeskanzleramt der Republik Österreich), Austrian Embassy in Chile, SKE, Conaf, Weltmuseum Vienna, Transbordadora Austral Broom and Aerovías DAP.

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