



## IN THIS NUMBER

- Deputies Chamber's Fisheries Committee met on Dr. Barbieri new scientific vessel **1**
- IFOP delegation attends meeting of the New York Fisheries Agreement **2**
- IFOP celebrates its 60 years launching a new video and institutional canvas **3**
- IFOP and Valparaíso Natural History Museum will carry out joint work with zooplankton collections **3**
- Abate Molina Scientific Vessel set sail to investigate common sardine and anchovy **4**
- IFOP celebrates The Month of the Sea with educational and cultural activities aiming to promote knowledge and marine ecosystem care **4**
- Dra. Barbieri scientific ship first cruise of set sail, it will study yellow and red prawns and nylon shrimp **6**
- IFOP researchers give benthic resources talks in Ancud **6**
- IFOP researcher attends a course on carbonate system measuring for sea's average acidity indicator evaluation **7**
- IFOP's outstanding participation in Peru on Benthic Marine Invertebrate Resources's international workshop **8**

## Deputies Chamber's Fisheries Committee met on Dr. Barbieri new scientific vessel

Valparaíso on May 8th, within the New Fisheries Law's framework discussion, Jorge Brito, Deputy and Fisheries Commission President, together with legislative body members in addition to Fisheries's Undersecretariat, IFOP's Executive Director and Dr. María Ángela Barbieri, hold an unprecedented meeting at new scientific vessel "Dra. Barbieri" facilities -which were built in Chile- and that will contribute to marine ecosystems research throughout the country, focusing mainly on oceanographic and fisheries studies.

The New Fisheries Law presented by the government seeks, among other things, to promote scientific research for decision-making in the administration and hydrobiological species conservation.

Gonzalo Pereira IFOP's Executive Director, explained our institution does marine scientific



research in Chile for sustainable fishing and aquaculture and in that role, he is in charge of the operation of the two scientific vessels. What motivated this meeting is that the Chamber of Deputies's Fisheries Commission wanted to meet on the new Dra. Barbieri vessel, which is going to have its first cruise next week.

This in the New Fisheries Law's context, the fact that the Commission meets on the ship and that the issue of the New Fisheries Law is also addressed is very pertinent given



### Editorial committee

Gonzalo Pereira P. / Executive Director  
Gabriela Gutiérrez V. / Journalist

### Graphic design

Mario Recabal M. / Senior graphic designer



that the New Law contemplates several advances in research. scientific both from the point of view of the subjects that are incorporated as research objectives for our institution, such as oceanographic topics, climatic change, increasing scientific committees and also structural and financing aspects by establishing that our institution must have a separate operation's budget, of what research programs are and an additional budget is also contemplated to finance new research lines.

The Deputies who participated in this meeting were very receptive and highly valued that our country has a new research vessel and also took note of the need to renew the vessel that we already have, which is 33 years old and therefore they unanimously approved issuing a document addressed to different authorities, pointing out the need to start working on the construction or acquisition of a new research vessel apart from the one we are inaugurating now.

## IFOP delegation attends meeting of the New York Fisheries Agreement

It addressed the impact of climate change on the fishing sector and how to collaborate with greater resilience in fishing.

From May 15 to 19, the 17th round of informal consultations of the States Parties to the Fish Stocks Agreement, also known as the New York agreement, or the High Seas Fisheries Agreement, took place at the United Nations headquarters in New York.

The topic of the meeting was climate change and the impact on fisheries. During the activity there was participation from numerous scientific institutions, NGOs, and government organizations who made more than 18 presentations, regarding the impacts that occur at a global level as well as the results of the research that is currently being carried out on the subject.

A very important aspect of the meeting was the information that was shared regarding the decisions, about the actions that are being taken at the level of the Regional Fisheries Organizations regarding the incidences of climate change in the different fisheries.

Gonzalo Pereira, Executive Director of IFOP, explained "the Chilean delegation was made up of officials from the Ministry of Foreign Affairs, Serenapesca, IFOP, and the National Fisheries Society, in the context of this meeting the delegation was invited to hold a meeting with the Chilean Ambassador to the United Nations, Ambassador Paula Narváez, in which information was shared about the treatment that is being given at the international level from a political and scientific point of view to the situation of climate change and the impact on fishing.

For Chile, participation in this meeting was very interesting considering that Chile is one of the 10 main fishing countries in the world and also keeping in mind that in Chile there are currently two processes of creating technological institutes to address climate change and in the context of the IFOP, the creation of a center for the study of climate change and resilience in fisheries".





## IFOP celebrates its 60 years launching a new video and institutional canvas

Fisheries Development Institute, IFOP, was created on May 26th, 1964, by CORFO Production Development Corporation, and National Fisheries Society, through an international technical assistance project in fisheries matters between the Chilean Government, the United Nations Development Program, UNDP, and the United Nations Agricultural Organization, FAO.

Gonzalo Pereira, IFOP's Executive Director, highlighted "in the context of our institution 60th anniversary during this year we have scheduled a series of activities, seminars, courses, the publication of a book at the end of this year, and given that our anniversary was on May 26th, we are launching a new corporate video, which refers to our institute 60 years of history, which shows how we have grown, and also a commemorative canvas on our main office in Valparaíso's facade, where the two scientific vessels managed by IFOP, Abate Molina and Dra. Barbieri, appear.

These two events are in addition to other activities that we will be carrying out throughout the year, we are going to have a women scientists's conference, a seminar in the north on climatic change and anchovy fishery that may possibly be done with Peru, we have two harmful algae conferences planned in southern Chile, receiving library donations from former IFOP directors, to our library.

We are very happy to develop these activities, thanks to Corfo's financial support. As part of the celebration we have also carried out work focused on the community; Our researchers have held scientific colloquiums in various schools throughout our country, we have received schoolchildren in our Valparaíso's headquarters where children can be scientists for a morning, they use our microscopes, visit laboratories and receive talks about research what IFOP does. We also participated in the month of the sea celebration at the Fonck Museum with presentations by two IFOP professionals, and we have been present at fairs and scientific activities from Arica to Punta Arenas.



## IFOP and Valparaíso Natural History Museum will carry out joint work with zooplankton collections

During Tuesday, May 7th's morning, the Zooplankton Oceanography and Environment Department Laboratory team of professionals, Francisca Osorio, Débora Albornoz, Yanara Figueroa, Katty Donoso, Jessica Bonicelli, and the head of the Oceanography Section, Hernán Reyes met with Sergio Quiroz, Director of the Museum of Natural History of Valparaíso (MHN), and Javiera Leiva, in charge of the biological collections of the MHN.





Museum professionals shared their experience in curating and maintaining biological samples. This information is of vital importance for the preservation and conservation of the zooplankton samples collection, which have been collected for more than 40 years, within the framework of IFOP's managed projects and which are currently in the conservation process. and digitization within the framework of "Plankton Digital Library" CORFO project .

In this first meeting, joint work was agreed upon within the collaboration and linkage agreement that exists between both institutions, due to the biological importance of the more than 29,000 IFOP zooplanktonic samples. This will allow us to have national and international standards, which will allow us to create the first Biological Zooplankton Collection in Chile.

The cruise's objectives are several, including species size ,abundance and biomass estimation, their demographic composition analysis through biological indicators the area, bio-oceanographic conditions exploration and aggregations characterization.

Obtained data, its analysis and results are key for the sectoral authority since it allows decisions that have to do with sustainable development of these two fisheries to be supported with scientific information.



## Abate Molina Scientific Vessel set sail to investigate common sardine and anchovy

On May 6th, Abate Molina ship set sail from Valparaíso's Port to begin a new 31-day research cruise, focused on anchovy and common sardine research between Valparaíso and Los Lagos the regions.

This scientific cruise is in charge of fishing engineer Álvaro Saavedra and Captain Takashi Abe, the team of professionals and technicians from Fisheries Development Institute (IFOP) will use hydroacoustic method to evaluate and characterize these fish populations during their peak recruitment season during the fall.

## IFOP celebrates The Month of the Sea with educational and cultural activities aiming to promote knowledge and marine ecosystem care

Within the Month of the Sea's framework, Puerto Aysén becomes epicenter of "Aysén Sumergido" fair, a day that has various institutions active participation institutions which carry out monitoring, research and cultural actions in Aysenino maritime area, promoting local marine ecosystems's knowledge and conservation.



RETURN



and private spheres, learning about their training, interests and diversity of occupational field. There will also be the vision of local plastic artists Gianinna Toledo, Cristina Pustela and the Geopoética group of Puerto Aysén.

Alejandra Lafon, the Fisheries Development Institute's Headquarters Head in Aysén Region, indicated "This month, IFOP celebrates 60 years generating, developing and transferring knowledge of high public value in the field of fishing, aquaculture and its environment. To celebrate and commemorate the Month of the Sea, we want to get closer to Puerto Aysén's community and make visible part of our work and other entities action. In this way, we have invited various regional public and private institutions to participate and co-create a moment of dissemination and education for the student community and Puerto Aysén's general public. The call has been successful, we will bring together science, regulation, culture, art and recreation in the marine environment of Aysén in a fair that we hope will have a high attendance."

Also for Fisheries Undersecretariat through its Aysén's Fisheries Zonal Directorate as the activity co-organizer, it is very significant to be able to disseminate and highlight regional maritime Aysenina's community importance. Catalina Olavarría González, Fishing Zone administrator indicated "Although there is proximity to the sea, there is a lack of knowledge regarding institutions related to administration, sustainability and environmental health associated with fishing and aquaculture activities and how these are harmonized with different productive activities (trade, transportation, tourism), for comprehensive and harmonious development. This fair is very important for our institution and above all it is an opportunity for the Aysenina community and its educational establishments, since the initiative will be carried out for the first time in our commune and we hope to be able to establish it as a tradition, where the community finds a space of identity and integration with the husband."

Another of the institutions that will participate in this important activity is Patagonian Research and Ecosystem Center (CIEP), in this sense Alexis Catalán,



RETURN



Fisheries Development Institute (IFOP) announces the celebration of a commemorative Month of the Sea day in Puerto Aysén. The event, which will take place this May 27th at Puerto Aysén House of Culture, has as its main objective to promote reflexive thinking and appropriation on the seas and oceans importance in our daily lives, emphasizing monitoring, regulation and research activities carried out on Aysén's coast and allow us to understand its processes, biodiversity, ecosystem's state and its populations and to develop management actions.

During this day, various activities will be carried out. They will include a stand exhibition with educational, informative and artistic material and a rich cultural agenda for the entire community. The discussion "Immersing ourselves, studying and working in the sea" stands out, which will allow us to interact with different marine science professionals from both public

Deputy Director of Linkage and Transfer of this institution highlighted the importance of this instance.

“CIEP’s participation in activities such as ‘Aysén Sumergido’ is fundamental to our mission of bringing our researchers work closer to citizens. These instances allow us not only to share scientific knowledge about the Aysenino maritorio, but also to establish and strengthen links with various institutions.”

IFOP, as an organization committed to research, generation of knowledge and conservation of fishing resources, invites the entire community to join this day to learn, understand, reflect and act for the protection of our seas, in particular our beautiful inland sea of Aysén.

## Dra. Barbieri scientific ship first cruise of set sail, it will study yellow and red prawns and nylon shrimp

IT WILL TAKE PLACE BETWEEN MAY 16TH TO AUGUST 15TH, 2024

On May 16th, Dra. Barbieri scientific vessel set sail from Valparaíso’s Port to carry out “Yellow shrimp red shrimp and nylon shrimp direct evaluation , between the Regions of Antofagasta and Biobío” the project leadership is led by the Researcher Carolina Lang. The captain of the ship is Rolando Cabrera, and as head of the cruise ship is the fishing engineer Bernardo Leiva.

Gonzalo Pereira, IFOP’s Executive Director, expressed “this is a new milestone for Dra. Barbieri’s ship, which set sail on the first crustacean research cruise, between Antofagasta and Santa María Island in the south of Chile, a total of 20 participating people among crew,



researchers from our direct evaluation department as well as from the oceanography and environment department and scientific observers.

For us, this cruise is tremendously important because we are beginning a new stage, in which we have two scientific vessels carrying out parallel research work, which previously had to be done alternately either with the Abate Molina or with leased vessels. I have to highlight that this first cruise has the participation of Ailyn Miranda as our pilot.”

## IFOP researchers give benthic resources talks in Ancud

Between May 13th and 15th, Fisheries Development Institute (IFOP) researchers presented talks in Ancud Commune’s different locations. Researcher Paulo Mora presented the talk called “Benthic Resources and Fisheries in Los Lagos Region” at El Pilar and Seminario Conciliar schools in Ancud city. Researchers Paulo Mora, Andrés Olguín and Sebastián Cook presented the talks “Benthic resources and fisheries in Los Lagos Region”, “Jellyfish: Myths and Realities” and “Cultivation experiences in Pudeto estuary and aquaculture sustainability perspectives “, respectively, the latter in the context of “Sea Day” organized by Quempillén experimental farming center of Universidad Austral de Chile.



RETURN





During the day on Monday, May 13th, El Pilar School's teachers really appreciated the talk that their 60 students that were present listened to very attentively. Lorena Mancilla, teacher at El Pilar school, expressed: "The approach to science and the work carried out by IFOP is positively valued. Since a high percentage of our students come from families that depend mainly on marine resources extraction activities linked to the sea." On the other hand, Sandra Hernández, also a teacher at El Pilar school, said: "We highlight the clear explanation of benthic resources, activities and products that are extracted in the area, and how human beings are part of these interactions. This helps to practically understand the role of human beings in ecosystems."

On Tuesday, May 14th, it was the turn of the Conciliar Seminary School of Ancud, where 45 students were able to listen to the talk about benthic resources and their fisheries. Paula Soto, teacher of Aquaculture Technician specialty at the school, stated: It is very important that researchers from institutions as relevant as IFOP come to reaffirm what we teach here to our students, in this way they can concretely visualize what they have learned and how it is applied in the world of work."

At Quempillén center, IFOP's participation in Sea Day that took place on May 15th was also appreciated, in which students and teachers from different schools in Ancud attended the dissemination of various topics related to marine sciences. In this context, Juan Pablo Fuentes, UACH Quempillén center administrator, expressed: "They were high-quality talks, easy to understand and for all audiences. For us, organizing this type of dissemination activities is of great relevance, since it allows us to spread scientific knowledge from researchers to the community in general."

Paulo Mora, IFOP researcher, added "This series of talks for schools and research centers is part of the commitment to disseminate IFOP's work and obtained results from different programs. As Benthic Fisheries Monitoring Program researcher, I consider it relevant that dissemination is mainly in the territory where fisheries are developed, in the context of ecosystemic and socio-ecological approach."

"It is important that the information that is generated from carried out research on different marine species or different specialized areas linked to marine environment be transferred to our future generations, and not remain stored in computers or files. Young people who have become scientists will be in charge of ensuring marine resources sustainability. In this aspect, IFOP researchers have given ourselves the task of disseminating our work in the student community and in the community in general," concluded Andrés Olguín.

## IFOP researcher attends a course on carbonate system measuring for sea's average acidity indicator evaluation

Dr. Jurleys Vellojín, Semi-senior researcher of Aquaculture Division Environment Department, participated from May 6th to 10th, 2024 in the Regional Training and of carbonate system measurement for average sea acidity evaluation (SDG 14.3.1), training course which was carried out at the José Benito Vives de Andráis Marine and Coastal Research Institute, in Santa Marta City, Colombia.

Dr. Vellojín indicates that "acquired knowledge in this course is of great relevance for the institution, given the importance of continuing to strengthen knowledge related to the study of southern Chile acidifi-



RETURN



cation in coastal areas. This course also allowed the institution to acquire knowledge to carry out SDG indicator 14.3.1 report and also to strengthen collaboration between organizing institutions and participants.

## IFOP's outstanding participation in Peru on Benthic Marine Invertebrate Resources's international workshop

Carlos Techeira, IFOP researcher, attended "Strengthening knowledge and management of RIMB (Benthic Marine Invertebrate Resources) within the framework of implementation of the fisheries management regulations" international workshop held in Lima between May 6th and 8th.

Carlos commented: "My participation in the activity responded to an invitation from NGO TNC Perú (The Nature Conservancy), to present on evaluation methodologies oriented to RIMB, performance indicators, biological reference points usefulness and estimation. Monitoring protocols standar-

dization, based on what was carried out by IFOP through its Resource Assessment and Fisheries Assessment Departments, in advisory programs regarding fisheries and resources performance linked to Benthic Management Plans throughout Chile and Benthic Fisheries Monitoring".

Advisors and academics from Argentina, Mexico, Spain, Peru and Chile participated as speakers before IMARPE benthic resource researchers from Peru's main laboratories, in Fisheries Management Plans ongoing implementation's context, which requires technical designs for evaluation and monitoring.



In addition to IFOP's presented topics, there were presentations on co-management experiences such as TURF and Barefoot ecologist, interaction between technical advisors and AMERB, in addition to socio-ecological systems in governance's importance, local ecological knowledge incorporation and Fisheries science's role in participatory management processes.

There was a highly valued reception of presented experience and work, explaining the need to maintain future interactions in consideration of the continuum of our coastline and ecosystems, with similar benthic resources shared in common fisheries scenarios and eventually management regimes.



[RETURN](#)