

EN ESTE NÚMERO

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The 5th meeting of the Network of Research Institutions of the Pacific Alliance is successfully held in Santa Marta, Colombia

Between March 15th and 17th, the fifth Pacific Alliance National Fisheries Network and Aquaculture Research Institutions (IIPA-AP Network) meeting was held at "José Benito Vives de Andreis Marine and Coastal Research Institute" (INVEMAR), headquarters located in the city of Santa Marta, Colombia. This Network is made up of Fisheries Development Institute (IFOP), Chile; INVEMAR, Colombia; Sea of Peru Institute (IMARPE); and National Fisheries Institute of Mexico (INAPESCA). In addition, Argentina's Fisheries Research and Development National Institute (INIDEP) and United Nations Food and Agriculture Organization (FAO) participated as observers.

The meeting was organized by IFOP (Chile), with INVEMAR's (Colombia) support, and was attended by both institutions Directors, Gonzalo Pereira Pu-



chy (IFOP) and Francisco Arias Isaza (INVEMAR). The focal points of each institution and different invited researchers also attended.

This meeting aim was to prepare 2023-2024 Work Plan, based on priority issues defined by the institutions in a previous meeting held in September 2022, which include Ecosystemic Approach, Biodiversity and Climatic Change.

During the first work day each institution presented on its research lines, relieving the progress made, existing gaps and identifying opportunities for collaboration between institutions. On the



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Ignacio Payá representing IFOP, participated in a Jack mackerel Management Evaluation Strategy workshop at OROP-PS

AND ADVISED THE CHILEAN DELEGATION IN SETTING JACK MACKEREL CATCH QUOTA FOR 2023

Ignacio Payá, in charge of horse mackerel stock evaluation at IFOP and member of the South Pacific Regional Fisheries Management Organization Scientific Committee (OROP-PS, www.sprfmo.int), participated in Management Strategy Evaluation workshop (EEM) of horse mackerel carried out in Ecuador during February 2023. Now that SPRFMO has been successful in its strategy for jack mackerel stock recovery it is proposed to identify the best management strategy through EEM. The workshop was organized by the Scientific Committee and the Commission, and its objectives were:

- To introduce Management Strategy Evaluation (MSE) and the purpose of seeking EMS in the SPRFMO.
- To provide a first introduction to how EEM works.
- To provide to managers and stakeholders a necessary background. To conduct a question and answer session for managers and stakeholders. IFOP's participation was focused on: Advising Fisheries and Aquaculture Undersecretariat, representing the Chilean delegation interests, and acting as spokesperson for the Chilean delegation.

Those interested in more information about EEM can visit <https://www.ifop.cl/eem/>.

After EEM workshop, the 11th Commission was held where the jack mackerel catch 2023 quota was set and its distribution by country. To agree on the position of the Chilean delegation in the Commission, coordination meetings were held. The Chilean delegation was made up of 20 participants including government members, public and private sectors (IFOP) researchers, fishing industry and representatives of the artisanal sector.



second day, collaboration opportunities were jointly identified and activities to be included in the Work Plan were defined. The work culminated in a proposed Work Plan that contains five prioritized activities to be carried out in the 2023-2024 period. This proposal must be made official once its final version is reviewed by each institution. The preparation of this new Work Plan marks the beginning of a new cycle of joint work between the research institutions of the Pacific Alliance countries, allowing progress in the achievement of the objectives proposed since its creation, and the best generation of scientific knowledge in fishing and aquaculture for the sustainable management of hydrobiological resources and ecosystems.

As part of the last day activities, on the meeting, Ciénaga Grande de Santa Marta was visited, which corresponds to a RAMSAR site and a Biosphere Reserve. On the occasion, two sampling sites that are part of INVEMAR's Research Program for the Valuation and Use of Marine and Coastal Resources were visited. In addition, they had the opportunity to learn about the activities carried out by the inhabitants of the stilt towns located in the swamp and to share with the community.

At the end of the activity, INVEMAR Director Francisco Arias Isaza highlighted the need for institutions to link up and find common ground to achieve progress, despite differences in each country that are part of the Network contexts. In turn, IFOP's Director Gonzalo Pereira Puchy, highlighted the work carried out in the meeting and the participation of the institutions, pointing out the importance of advancing in a Work Plan implementation.

Next Network's meeting will be virtually held in September this year, and in March 2024 a new face-to-face meeting will be held in the city of Puerto Varas, Chile, whose organization will be in charge of IFOP.



The photo shows part of the Chilean delegation in a coordination meeting, the delegation was made up of 20 participants. From left to right: Javier Rivera (SSPA), Ignacio Payá, Aquiles Sepúlveda (INPESCA), Juan Santibáñez (SSPA), Julio Salas (Undersecretary of Fisheries and Aquaculture) and Mauro Urbina (SSPA).

Ignacio Payá explained and clarified to Chilean delegation the results of the SPRFMO Scientific Committee on the status of the horse mackerel stock, catch quota and stock biomass projections for coming years.

IFOP's participation is part of the activities of "Status and possibilities of biologically sustainable exploitation of national horse mackerel, Arica and Parinacota region to Los Lagos Region, year 2023" and "Scientific Consulting on International Fisheries Matters" projects contracted by Fisheries and Aquaculture Undersecretariat with IFOP's Resource Evaluation Department (DER).

Fifth Pacific Alliance Research Institutions Network meeting will be held in Santa Marta Colombia

On March 15th and 17th, the fifth Network of Institutions meeting will be held at "José Benito Vives de Andreis" Marine and Coastal Research Institute (INVEMAR) headquarters, in Santa Marta city, Colombia. Pacific Alliance Fisheries and Aquaculture Research Networks (IIPA-AP Network).

The IIPA Network was born in 2017 in the Work Plan context established that year by the Ad hoc group on Pacific Alliance Fisheries and Aquaculture whose creation was agreed at the XI Pacific Alliance Summit in July 2016, aiming to build a joint marketing strategy for Pacific Alliance fishery products.

The network is made up of the Fisheries Development Institute (IFOP) from Chile, National Fisheries Institute (INAPESCA) from Mexico, Peru Sea Institute (IMARPE) and INVEMAR in Colombia. INIDEP (Argentina), SCIRO (Australia) and the Food and United Nations Agriculture Organization (FAO) have also participated as observer institutions.

In the first meeting, held in July 2017 in Lima, Peru, it was established that the IIPA Network purpose would be to "Create an open and inclusive fishing and aquaculture research institutes network, with the purpose of building, in a participatory and agreed, an area of deep integration to progress progressively towards the best scientific knowledge generation in fishing and aquaculture for these resources sustainable management in the Pacific Alliance countries".



On this occasion, IFOP Directors, Mr. Gonzalo Pereira Puchy, INVEMAR, Mr. Francisco Arias Isaza and INAPESCA, Mr. Pablo Arenas Fuentes, as well as IMARPE Board of Directors's President, Mr. Jorge Paz Acoste will be present, as well as with the assistance of the focal points of each institution, also including INIDEP and FAO.

This meeting objective, jointly organized between IFOP and INVEMAR, is to prepare a Work Plan for 2023-2024 period, based on priority issues defined by the institutions in a previous meeting (2022), which include: Ecosystem Approach, Climatic Change and Biodiversity, among others. This Plan will make it possible to advance in the network objectives achievement mainly by promoting joint scientific programs development, specialized human resources training and experts exchange between institutions.



VOLVER

IFOP researchers participate in a scientific observation and monitoring in fisheries world conference

Between March 6th and 10th, in Hobart city Tasmania, in Australia, the “10th Fisheries Observer and Monitoring International Conference, IFOMC” was held, in which they participated as panelists the researchers from Fisheries Development Institute; Victoria Escobar and Marcelo San Martín, who presented part of the results generated within the demersal fisheries discard and bycatch project developed by the institution. Ms. Escobar is in charge of evaluating discards in demersal crustacean fisheries, while Mr. San Martín does the same in demersal fisheries in the south austral zone, in addition to evaluating marine mammals incidental catches.

The biannual event is the main world meeting associated with scientific monitoring programs of world fisheries and this year was attended by more than 200 delegates from 28 countries, with Chile being the only representative from the region.

On the occasion, the researcher presented general results since the monitoring program implementation in 2013 and contributions they have made to the management and reduction of discards and incidental catches recorded in recent years in Chilean demersal fisheries.

Martín researcher, “This instance not only made it possible to learn about progress and focus of main fisheries monitoring programs worldwide, but also to evaluate carried out work level in this corner of the world”, “it is comforting to see the great interest that exists on researchers side from all over the world in learning about Chilean process’s progress to address discarding and incidental catches problem”, where the research contribution generated by our institution has been fundamental”.

The institutional commission was joined by researcher Leonardo Caballero, who currently works as head of the sampling management department, in addition to the Fisheries and Aquaculture Undersecretariat professional Luis Co-cas and Rubén Toro from National Fisheries and Aquaculture Service.



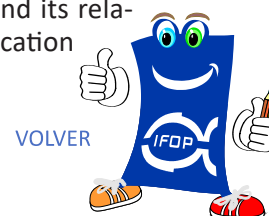
Abate Molina Scientific ship sailed to investigate horse mackerel between Arica and Valparaíso

On Saturday, March 18th, from Valparaíso’s Port Abate Molina scientific vessel set sail to characterize and evaluate horse mackerel, between the Regions of Arica and Parinacota and Valparaíso Region, using hydroacoustic methods, in a space-time context with respect to historical series cruise ships

The head of the cruise is fishing engineer José Córdova and the ship’s captain is José Echeverría. The ship’s return is planned for April 28th, the work team is made up of 27 people.

The specific research’s objectives are:

- To characterize horse mackerel population’s structure and its spatial distribution, considering attributes such as: abundance, biomass, sex, size and age, stages (juveniles and adults), among others.
- To characterize jack mackerel aggregations in the area, research period and environment, also specifying accompanying fauna and its relative importance in the identification sets.





- Characterization of horse mackerel food supply based on auxiliary information, such as environmental variables, echograms and plankton sampling in the study area.
- To prepare and implement a continuous hydroacoustic evaluations of pelagic resources improvement research plan: anchovy, common sardine, southern sardine and horse mackerel, as appropriate; that strengthen target species estimates, according to identified priorities in plan's preparation and the available budget.

IFOP Arica participates in "La Ruta de la Palometa" Festival

On February 10th, the 3rd version of "La Ruta de La Palometa" Festival was held starting to be consolidated in an appreciated panorama by Arica's community and tourists who happen to visit the Arica and Parinacota's region on these dates.

This activity, aims to disseminate Palometa's fishing resource importance and to promote fish and shellfish consumption, this year had an exponential audience increase. After a couple of years of recess, due to pandemic's health contingency, visitors were once again able to enjoy gastronomic demonstrations, cultural activities and various stands prepared by public and private institutions linked to fishing sector.

This successful initiative organized by Independent Artisanal Fishermen Workers of Arica's Union, in this new version, added scientific observers and researchers participation from Fisheries Develop-



ment Institute who, through a striking sample of hydrobiological species, were able to make known to attendees part of fish biodiversity present in the area, their life history and artisanal fishing activity information.

Hernán Padilla IFOP's headquarters head, along with appreciating the initiative, thanked the organization for the invitation, and indicated that "this instance allowed us to communicate the attendees the important ecological, fishing and economic role that highly migratory resources have, such as the pomfret, which historically in Chile presents its largest landings in Arica's Port".

It should be noted that Palometa's fishery is part of IFOP's numerous monitored resources which year after year generate key inputs for decision-making by the institutional framework within its comprehensive fishing consultancies framework.



Arica's IFOP workers received Taxidermy training

"Taxidermy Techniques in Fish and Crustaceans" theoretical-practical course was carried out at Fisheries Development Institute (IFOP) laboratories it aimed at observers and researchers from Arica's Regional Headquarters.

The training was in charge of Richard Alanoca Peruvian taxidermist, and lasted 24 chronological hours. The classes began with an introduction to taxidermy's history and described different currently used techniques to stuff animals and keep them looking alive.

Subsequently, during the practical sessions, workers, guided by the taxidermist, were able to apply acquired knowledge to various fish and crustaceans in the area, as can be seen in the photographs.

Hernán Padilla, Regional Headquarters head, stated "We are all very satisfied with this training, since it will allow us to significantly improve our hydrobiological species collection quality, which we frequently use in community outreach activities, scientific dissemination in schools and training aimed at the fishing sector".

sIFOP Fisheries Development Institute Aquaculture Division is pleased to receive two Colombian interns who arrived in Chile during February 2023

Both professionals were selected in the + Woman + Science + Equity program, which is a Science, Technology and Innovation Ministry of Colombia initiative, which is implemented in partnership with Ibero-American States for Education, Science and Culture Organization (OEI).



The program seeks to encourage young women's scientific vocation and to strengthen their life project through connection, empowerment and leadership seeking their insertion into the Science, Technology and Innovation National System – SNCTI.

From Fisheries Development Institute, Dr. Jurleys Vellojin contacted the program to be the Institute's ambassador and to participate as a mentor to both interns. In the same way, Dr. Vellojín generated opportune links so that Valentina Baracaldo and Andrea Jiménez were integrated into the projects of her interest, such as Environmental monitoring and Mutilid larval monitoring program, respectively.

Andrea will accompany us for a period of three months, while Valentina will do so for six months.

We hope that your stay in the south of Chile and your involvement in our research programs will be of learning, collaboration and a true inclusion in the productive tasks of our country and will help you to generate development in your own country. We hope these are memorable days that inspire you for a future research line.

