

**INTERAMERICAN TROPICAL TUNA COMMISSION**  
**MEETING OF THE AD HOC WORKING GROUP ON FADS**  
**8<sup>th</sup> MEETING**  
**La Jolla, California, USA**  
**7- 8 June 2024**

**BRIEF REPORT OF THE MEETING**

The 8<sup>th</sup> meeting of the IATTC ad hoc Permanent Working Group on FADs was held in La Jolla, California, USA on June 7 and 8, 2024. It was chaired by Dr. Josu Santiago, in his capacity as president of the working group. The list of participants is included in annex 1.

The meeting agenda that was adopted without changes and is attached as annex 2.

The list of documents presented and discussed during the meeting is included and can be consulted on the website of the 8<sup>th</sup> meeting of the working group, as well as the corresponding presentations.

Meeting documents:

- [FAD-08-01 - Floating object fishery indicators a 2023 report](#)
- [FAD-08-02-Echosounder buoy derived tropical tuna biomass indices in the EPO](#)
- [FAD-08-03-Exploring technologies for remote identification of FADs-project report](#)

Presentations:

- [1.3 Introduction to 8th working Group on FADs](#) EN
- [4.1 Update on BIODEGRADABLE dFADS](#) EN
- [4.2. Implementation Progress about ECOFADS TUNACONS](#)
- [4.3. Final results of the jelly-FAD performance](#) EN
- [4.4. Transitioning to Bio-FADs Ongoing Trials with Jelly-FADs by fleets in the western and eastern Pacific Ocean](#) EN
- [4.5. Testing of new compostable materials for the construction of dFAD](#) EN
- [4.6. Biodegradable FAD Lifetimes Impacts and Adaptations](#) EN
- [5.1 FAD data reporting established in Resolutions C-21-04 and C-19-01](#) EN
- [6.2. Echosounder buoy derived tropical tuna biomass indices in the EPO](#) EN
- [7.1. Workshop on FAD retrieval](#) EN
- [7.2. Update on FAD Strandings Data Collection](#) EN
- [FAD-08-01 Floating object fishery indicators - 2023 report](#) EN
- [FAD-08-02 Echosounder buoy derived tropical tuna biomass indices in the EPO](#) EN
- [FAD-08-03 Exploring technologies for remote identification of FADs-project report](#) EN

As a result of the group's work, several recommendations were agreed upon that are published on the website of the Working Group meeting as document [FAD-08 Recommendations adopted by the working group](#) and included as Annex 3.

It is expected that the 9<sup>th</sup> meeting of the FAD working group will be held in June during the meetings of the Scientific Advisory Committee.

**Annex 1**  
**Participants List**

<b><u>ASISTENTES - ATTENDEES</u></b>	
<b><u>MIEMBROS - MEMBERS</u></b>	
<b><u>BELICE-BELIZE</u></b>	
<b>DELICE PINKARD*</b> Ministry of Finance <a href="mailto:delice.pinkard@bhsfu.gov.bz">delice.pinkard@bhsfu.gov.bz</a>	<b>CHARLES COC</b> Ministry of Finance <a href="mailto:charles.coc@bhsfu.gov.bz">charles.coc@bhsfu.gov.bz</a>
<b><u>CANADÁ- CANADA</u></b>	
<b>JENNIFER SHAW*</b> Fisheries and Oceans Canada <a href="mailto:jennifer.shaw@dfo-mpo.gc.ca">jennifer.shaw@dfo-mpo.gc.ca</a>	<b>NADIA HAMOUI</b> Fisheries and Oceans Canada <a href="mailto:nadia.hamoui@dfo-mpo.gc.ca">nadia.hamoui@dfo-mpo.gc.ca</a>
<b>KRISTEN COTE</b> Fisheries and Oceans Canada <a href="mailto:kristen.cote@dfo-mpo.gc.ca">kristen.cote@dfo-mpo.gc.ca</a>	
<b><u>CHINA</u></b>	
<b>QINQIN LIN*</b> Shangai Ocean University <a href="mailto:qqlin@shou.edu.cn">qqlin@shou.edu.cn</a>	<b>DAI LIBIN</b> Shangai Ocean University <a href="mailto:libin.dai@qq.com">libin.dai@qq.com</a>
<b>XIAOJIE DAI</b> Shangai Ocean University <a href="mailto:xjdai@shou.edu.cn">xjdai@shou.edu.cn</a>	<b>YIQIAN SHI</b> Shangai Ocean University <a href="mailto:shiyiqian_shou@163.com">shiyiqian_shou@163.com</a>
<b>FENG JI</b> Shangai Ocean University <a href="mailto:fengji_shou@163.com">fengji_shou@163.com</a>	<b>YANG SHIYU</b> Shangai Ocean University <a href="mailto:yangshiyu_shou@163.com">yangshiyu_shou@163.com</a>
<b><u>COLOMBIA</u></b>	
<b>ANDRES ORTÍZ*</b> Autoridad Nacional de Acuicultura y Pesca <a href="mailto:andres.ortiz@aunap.gov.co">andres.ortiz@aunap.gov.co</a>	<b>CARMEN LÓPEZ</b> Ministerio de Ambiente y Desarrollo Sostenible <a href="mailto:calopezanaya@minambiente.gov.co">calopezanaya@minambiente.gov.co</a>
<b>LEONEL BOHORQUEZ</b> Ministerio de Relaciones Exteriores <a href="mailto:leonel.bohorquez@cancilleria.gov.co">leonel.bohorquez@cancilleria.gov.co</a>	<b>SANDRA MUÑOZ</b> Ministerio de Agricultura y Desarrollo Rural <a href="mailto:sandra.munoz@minagricultura.gov.co">sandra.munoz@minagricultura.gov.co</a>
<b>JAVIER GARCÍA</b> Ministerio de Comercio, Industria y Turismo <a href="mailto:jgarciap@mincit.gov.co">jgarciap@mincit.gov.co</a>	<b>GERMAN FONSECA</b> Programa Nacional de Observadores <a href="mailto:observadores@pescalimpia.org">observadores@pescalimpia.org</a>
<b>GUSTAVO LARA</b> Ministerio de Ambiente y Desarrollo Sostenible <a href="mailto:glara@minambiente.gov.co">glara@minambiente.gov.co</a>	
<b><u>COREA - KOREA</u></b>	
<b>JEONG HO PARK*</b> National Institute of Fisheries Science <a href="mailto:marinbio@korea.kr">marinbio@korea.kr</a>	<b>SANGGYU SHIN</b> National Institute of Fisheries Science <a href="mailto:gyuyades82@gmail.com">gyuyades82@gmail.com</a>
<b>HEEWON PARK</b> National Institute of Fisheries Science <a href="mailto:heewon81@gmail.com">heewon81@gmail.com</a>	
<b><u>COSTA RICA</u></b>	
<b>MIGUEL DURÁN*</b> INCOPECA/ Instituto Costarricense de Pesca y Acuicultura <a href="mailto:mduran@incopesca.go.cr">mduran@incopesca.go.cr</a>	<b>JOSÉ MIGUEL CARVAJAL</b> INCOPECA/ Instituto Costarricense de Pesca y Acuicultura <a href="mailto:jcarvajal@incopesca.go.cr">jcarvajal@incopesca.go.cr</a>
<b><u>ECUADOR</u></b>	

<p><b>GUILLERMO MORÁN*</b> Tunacons <a href="mailto:gamv6731@gmail.com">gamv6731@gmail.com</a> <b>LUCIANO DELGADO</b> Ministerio de Producción, Comercio Exterior, Inversiones y Pesca <a href="mailto:ldelgados@produccion.gob.ec">ldelgados@produccion.gob.ec</a> <b>HENRY MERO</b> Ministerio de Producción, Comercio Exterior, Inversiones y Pesca <a href="mailto:hmero@produccion.gob.ec">hmero@produccion.gob.ec</a> <b>JOSTYN SÁNCHEZ</b> Ministerio de Producción, Comercio Exterior, Inversiones y Pesca <a href="mailto:jsanchezv@produccion.gob.ec">jsanchezv@produccion.gob.ec</a> <b>ESTEBAN ELÍAS</b> Instituto Público de Investigación de Acuicultura y Pesca <a href="mailto:celias@institutopesca.gob.ec">celias@institutopesca.gob.ec</a> <b>MANUEL PERALTA</b> Instituto Público de Investigación de Acuicultura y Pesca <a href="mailto:mperalta@institutopesca.gob.ec">mperalta@institutopesca.gob.ec</a></p>	<p><b>LEONEL CAICEDO</b> FIP PEZ Espada - Sworfish.EC <a href="mailto:leonelcaicedolc@hotmail.com">leonelcaicedolc@hotmail.com</a> <b>JOSÉ GARCÍA</b> Tunacons <a href="mailto:jgarcia@tunacons.org">jgarcia@tunacons.org</a> <b>GUILLERMO MORÁN B.</b> Tunacons <a href="mailto:guillermo.estefano.mb@gmail.com">guillermo.estefano.mb@gmail.com</a> <b>JUAN C. QUIROZ</b> Tunacons <a href="mailto:jcquiroz@facilevisual.com">jcquiroz@facilevisual.com</a> <b>PEDRO SANTISTEVAN</b> Tunacons <a href="mailto:psantistevan@tunacons.org">psantistevan@tunacons.org</a> <b>LUIS TORRES</b> Probucador <a href="mailto:probucador@gye.satnet.net">probucador@gye.satnet.net</a> <b>RAFAEL TRUJILLO</b> Cámara Nacional de Pesquería <a href="mailto:rtrujillo@camaradepesqueria.ec">rtrujillo@camaradepesqueria.ec</a></p>
<b>EL SALVADOR</b>	
<p><b>ANTONIO VÁSQUEZ*</b> Ministerio de Agricultura y Ganadería <a href="mailto:antonio.vasquez@mag.gob.sv">antonio.vasquez@mag.gob.sv</a></p>	<p><b>ANA GALDAMEZ</b> Ministerio de Agricultura y Ganadería <a href="mailto:ana.galdamez@mag.gob.sv">ana.galdamez@mag.gob.sv</a></p>
<b>ESTADOS UNIDOS DE AMÉRICA – UNITED STATES OF AMERICA</b>	
<p><b>STEVEN TEO*</b> NOAA/National Marine Fisheries Service <a href="mailto:steve.teo@noaa.gov">steve.teo@noaa.gov</a> <b>COLIN BRINKMAN</b> U.S. Department of State <a href="mailto:Brinkmancc@state.gov">Brinkmancc@state.gov</a> <b>MERNA SAAD</b> U.S. Department of State <a href="mailto:saadmn@state.gov">saadmn@state.gov</a> <b>CELIA BARROSO</b> NOAA/National Marine Fisheries Service <a href="mailto:celia.barroso@noaa.gov">celia.barroso@noaa.gov</a> <b>NICHOLAS DUCHARME-BARTH</b> NOAA/National Marine Fisheries Service <a href="mailto:nicholas.ducharme-barth@noaa.gov">nicholas.ducharme-barth@noaa.gov</a> <b>TYLER LAWSON</b> NOAA/National Marine Fisheries Service <a href="mailto:tyler.lawson@noaa.gov">tyler.lawson@noaa.gov</a> <b>HUIHUA LEE</b> NOAA/National Marine Fisheries Service <a href="mailto:huihua.lee@noaa.gov">huihua.lee@noaa.gov</a> <b>AMANDA MUNRO</b> NOAA/National Marine Fisheries Service <a href="mailto:amanda.munro@noaa.gov">amanda.munro@noaa.gov</a> <b>PETER KURIYAMA</b> NOAA/National Marine Fisheries Service <a href="mailto:peter.kuriyama@noaa.gov">peter.kuriyama@noaa.gov</a> <b>EMILY REYNOLDS</b> NOAA/National Marine Fisheries Service <a href="mailto:emily.reynolds@noaa.gov">emily.reynolds@noaa.gov</a> <b>YONAT SWIMMER</b> NOAA/National Marine Fisheries Service <a href="mailto:yonat.swimmer@noaa.gov">yonat.swimmer@noaa.gov</a> <b>DESIREE TOMMASI</b> NOAA/National Marine Fisheries Service</p>	<p><b>RACHAEL WADSWORTH</b> NOAA/National Marine Fisheries Service <a href="mailto:rachael.wadsworth@noaa.gov">rachael.wadsworth@noaa.gov</a> <b>MICHELLE HORECZKO</b> California Dept. Fish &amp; Wildlife <a href="mailto:michelle.horeczko@wildlife.ca.gov">michelle.horeczko@wildlife.ca.gov</a> <b>ANDRE BOUSTANY</b> Monterey Bay Aquarium <a href="mailto:aboustany@mbayaq.org">aboustany@mbayaq.org</a> <b>CHRISTOPHER DAHL</b> Pacific Fishery Management Council <a href="mailto:kit.dahl@noaa.gov">kit.dahl@noaa.gov</a> <b>MARK FITCHETT</b> Western Pacific Regional Fishery Management Council <a href="mailto:mark.fitchett@wpcouncil.org">mark.fitchett@wpcouncil.org</a> <b>SVEIN FOUGNER</b> Hawaii Longline Association <a href="mailto:fougneranalytics@gmail.com">fougneranalytics@gmail.com</a> <b>THERESA LABRIOLA</b> Wild Oceans <a href="mailto:tlabriola@wildoceans.org">tlabriola@wildoceans.org</a> <b>DOROTHY LOWMAN</b> U.S. Commissioner <a href="mailto:dmlowman01@comcast.net">dmlowman01@comcast.net</a> <b>JOSH MADEIRA</b> Monterey Bay Aquarium <a href="mailto:jmadeira@mbayaq.org">jmadeira@mbayaq.org</a> <b>MATTHEW OWENS</b> Tri Marine <a href="mailto:mowens@trimarinegroup.com">mowens@trimarinegroup.com</a> <b>JIM SOUSA</b> GS Fisheries Inc. <a href="mailto:jim.sousa@marpacifico.net">jim.sousa@marpacifico.net</a> <b>MICHAEL THOMPSON</b> U.S. Commissioner</p>

<a href="mailto:desiree.tommasi@noaa.gov">desiree.tommasi@noaa.gov</a>	<a href="mailto:thompsonmike148@gmail.com">thompsonmike148@gmail.com</a>
<b><u>GUATEMALA</u></b>	
<b>CARLOS MARTÍNEZ*</b> Dirección de Normatividad de la Pesca y Acuicultura <a href="mailto:carlosmartinez41331@gmail.com">carlosmartinez41331@gmail.com</a> <b>BERNAL CHAVARRIA</b> Dirección de Normatividad de la Pesca y Acuicultura <a href="mailto:bchavarria@lsg-cr.com">bchavarria@lsg-cr.com</a>	<b>VASCO FRANCO</b> Pesquera Reina De La Paz <a href="mailto:vascofrancoduran@yahoo.com">vascofrancoduran@yahoo.com</a>
<b><u>JAPÓN - JAPAN</u></b>	
<b>HIDETADA KIYOFUJI *</b> Fisheries Agency of Japan <a href="mailto:kiyofuji_hidetada20@fra.go.jp">kiyofuji_hidetada20@fra.go.jp</a>	<b>TAKAAKI HASEGAWA</b> Fisheries Agency of Japan <a href="mailto:hasegawa_takaaki53@fra.go.jp">hasegawa_takaaki53@fra.go.jp</a>
<b><u>MÉXICO – MEXICO</u></b>	
<b>MICHEL DREYFUS*</b> Cicese <a href="mailto:dreyfus@cicese.mx">dreyfus@cicese.mx</a> <b>MARTHA BETANCOURT</b> Fidemar <a href="mailto:martha.betancourt@uabc.edu.mx">martha.betancourt@uabc.edu.mx</a>	<b>MARIANA RAMOS</b> Alianza del Pacífico por el Atún Sustentable <a href="mailto:mariana@pacifictunaalliance.org">mariana@pacifictunaalliance.org</a>
<b><u>NICARAGUA</u></b>	
<b>RENALDY BARNUTY*</b> Inpesca <a href="mailto:rbarnutti@inpesca.gob.ni">rbarnutti@inpesca.gob.ni</a> <b>ROBERTO CHACÓN</b> Inpesca <a href="mailto:rchacon@inpesca.gob.ni">rchacon@inpesca.gob.ni</a> <b>JULIO GUEVARA</b> Inpesca <a href="mailto:julioecgp@hotmail.com">julioecgp@hotmail.com</a>	<b>REYNA ARANA</b> Atunes de Nicaragua,S.A. <a href="mailto:karina.marquez3@gmail.com">karina.marquez3@gmail.com</a> <b>KAROLA SIRIAS</b> Atunsa <a href="mailto:k_27@hotmail.es">k_27@hotmail.es</a>
<b><u>PANAMÁ- PANAMA</u></b>	
<b>YARKELIA VERGARA*</b> Autoridad de los Recursos Acuáticos de Panamá <a href="mailto:yvergara@arap.gob.pa">yvergara@arap.gob.pa</a> <b>YESURI PINO</b> Autoridad de los Recursos Acuáticos de Panamá <a href="mailto:yesuri.pino@arap.gob.pa">yesuri.pino@arap.gob.pa</a>	<b>MARÍA P. DÍAZ</b> Fipesca <a href="mailto:mpdiaz@fipesca.com">mpdiaz@fipesca.com</a> <b>ENRIQUE ESPINOSA</b> Pronaob <a href="mailto:pronaob@pronaob.org">pronaob@pronaob.org</a>
<b><u>PERÚ - PERU</u></b>	
<b>ANA ALEGRE*</b> Instituto del Mar del Perú <a href="mailto:palegre@imarpe.gob.pe">palegre@imarpe.gob.pe</a> <b>JOSÉ SALCEDO</b> Instituto del Mar del Perú <a href="mailto:jsalcedo@imarpe.gob.pe">jsalcedo@imarpe.gob.pe</a>	<b>ALFONSO MIRANDA</b> PEZ de Exportación S.A.C <a href="mailto:alfonso.miranda@pezex.pe">alfonso.miranda@pezex.pe</a>
<b><u>TAIPEI CHINO – CHINESE TAIPEI</u></b>	
<b>SHENG-PING WANG*</b> National Taiwan Ocean University <a href="mailto:wsp@mail.ntou.edu.tw">wsp@mail.ntou.edu.tw</a>	<b>HSIANG-YI YU</b> Fisheries Agency <a href="mailto:hsiangyi@msl.f.a.gov.tw">hsiangyi@msl.f.a.gov.tw</a>
<b><u>UNIÓN EUROPEA – EUROPEAN UNION</u></b>	

<b>JOSU SANTIAGO*</b> Azti Tecnalia <a href="mailto:jsantiago@azti.es">jsantiago@azti.es</a> <b>LOURDES RAMOS</b> Instituto Español de Oceanografía <a href="mailto:mlourdes.ramos@ieo.csic.es">mlourdes.ramos@ieo.csic.es</a> <b>MARÍA JUAN</b> Instituto Español de Oceanografía <a href="mailto:mjuan.jorda@ieo.csic.es">mjuan.jorda@ieo.csic.es</a> <b>EIDER ANDONEGI</b> Azti Tecnalia <a href="mailto:eandonegi@azti.es">eandonegi@azti.es</a>	<b>MIGUEL HERRERA</b> Opagac <a href="mailto:miguel.herrera@opagac.org">miguel.herrera@opagac.org</a> <b>JEFFERSON MURUA</b> Azti Tecnalia <a href="mailto:jmurua@azti.es">jmurua@azti.es</a> <b>JON URANGA</b> Azti Tecnalia <a href="mailto:juranga@azti.es">juranga@azti.es</a>
<b><u>VENEZUELA</u></b>	
<b>ALVIN DELGADO*</b> Fundatun <a href="mailto:fundatunpnov@gmail.com">fundatunpnov@gmail.com</a> <b>JEIRIS GALICIA</b> Ministerio del Poder Popular de Pesca y Acuicultura <a href="mailto:jgalicia.minpesca@gmail.com">jgalicia.minpesca@gmail.com</a>	<b>ELENA QUINTERO</b> Ministerio del Poder Popular de Pesca y Acuicultura <a href="mailto:elenaquintero.t@gmail.com">elenaquintero.t@gmail.com</a>
<b><u>NO MIEMBROS COOPERANTES – COOPERATING NON-MEMBERS</u></b>	
<b><u>BOLIVIA</u></b>	
<b>LIMBERT CORTEZ*</b> Ministerio de Defensa <a href="mailto:limbert.cortez@protonmail.ch">limbert.cortez@protonmail.ch</a>	<b>HUGO ALSINA</b> Ministerio de Defensa <a href="mailto:hugo.alsina@protonmail.ch">hugo.alsina@protonmail.ch</a>
<b><u>CHILE</u></b>	
<b>PATRICIO BARRIA*</b> Instituto de Fomento Pesquero <a href="mailto:patricio.barria@ifop.cl">patricio.barria@ifop.cl</a>	
<b><u>ORGANIZACIONES NO GUBERNAMENTALES – NON-GOVERNMENTAL ORGANIZATIONS</u></b>	
<b>LUIGI BENINCASA</b> Atunec <a href="mailto:luigibenincasa@gmail.com">luigibenincasa@gmail.com</a> <b>ORION CRUZ</b> Defenders of Wildlife <a href="mailto:OCruz@defenders.org">OCruz@defenders.org</a> <b>MICHAEL DREXLER</b> Ocean Conservancy <a href="mailto:mdrexler@oceanconservancy.org">mdrexler@oceanconservancy.org</a> <b>CHLOE EVANS</b> The Ocean Foundation <a href="mailto:cevans@oceanfdn.org">cevans@oceanfdn.org</a> <b>WILLIAM GIBBONS-FLY</b> American Tunaboat Association <a href="mailto:wgibbons-fly@atatuna.com">wgibbons-fly@atatuna.com</a> <b>PABLO GUERRERO</b> World Wildlife Fund <a href="mailto:pablo.guerrero@wwf.org.ec">pablo.guerrero@wwf.org.ec</a>	<b>CRAIG HEBERER</b> The Nature Conservancy <a href="mailto:craig.heberer@tnc.org">craig.heberer@tnc.org</a> <b>ALEXIA MORGAN</b> Sustainable Fisheries Partnership <a href="mailto:alexia.morgan@sustainablefish.org">alexia.morgan@sustainablefish.org</a> <b>GALA MORENO</b> International Seafood Sustainability Foundation <a href="mailto:gmoreno@iss-foundation.org">gmoreno@iss-foundation.org</a> <b>JONATHAN PINCAY</b> COREMAHI <a href="mailto:comunicaciones@coremahi.org">comunicaciones@coremahi.org</a> <b>GEORGE PINTO</b> COREMAHI <a href="mailto:pinto27-69@hotmail.com">pinto27-69@hotmail.com</a>
<b><u>OBSERVADORES – OBSERVER</u></b>	
<b>SANDRA ANDRAKA</b> EcoPacific+ <a href="mailto:sandrakag@gmail.com">sandrakag@gmail.com</a> <b>BRENDAN TALWAR</b> Scripps Institution of Oceanography <a href="mailto:talwar.brendan@gmail.com">talwar.brendan@gmail.com</a>	<b>MANUEL CORREIA</b> Bycatch WG Co-Chair <a href="mailto:manuelcorreia.a@gmail.com">manuelcorreia.a@gmail.com</a>
<b><u>SECRETARÍA – SECRETARIAT</u></b>	
<b>ARNULFO FRANCO, Director</b> <a href="mailto:afranco@iattc.org">afranco@iattc.org</a>	<b>MELANIE HUTCHINSON</b> <a href="mailto:mhutchinson@iattc.org">mhutchinson@iattc.org</a>

<p><b>MARISOL AGUILAR</b>  <a href="mailto:maguilar@iattc.org">maguilar@iattc.org</a>  <b>ANDRES ARENS</b>  <a href="mailto:andres.arens@fiskare.org">andres.arens@fiskare.org</a>  <b>RICARDO BELMONTES</b>  <a href="mailto:rbelmontes@iattc.org">rbelmontes@iattc.org</a>  <b>YOLE BUCHALLA</b>  <a href="mailto:ybuchalla@iattc.org">ybuchalla@iattc.org</a>  <b>DAN CREAR</b>  <a href="mailto:dcrear@iattc.org">dcrear@iattc.org</a>  <b>BARBARA CULLINGFORD</b>  <a href="mailto:bcullingford@iattc.org">bcullingford@iattc.org</a>  <b>ALEXANDRE DA SILVA</b>  <a href="mailto:adasilva@iattc.org">adasilva@iattc.org</a>  <b>ROLANDO DENIS</b>  <a href="mailto:rdenis@iattc.org">rdenis@iattc.org</a>  <b>LEANNE FULLER</b>  <a href="mailto:lfuller@iattc.org">lfuller@iattc.org</a>  <b>MONICA GALVÁN</b>  <a href="mailto:mgalvan@iattc.org">mgalvan@iattc.org</a>  <b>GRIFFIN GARNER</b>  <a href="mailto:ggarner@iattc.org">ggarner@iattc.org</a>  <b>SHANE GRIFFITHS</b>  <a href="mailto:sgriffiths@iattc.org">sgriffiths@iattc.org</a></p>	<p><b>JON LOPEZ</b>  <a href="mailto:jlopez@iattc.org">jlopez@iattc.org</a>  <b>PAULINA LLANO</b>  <a href="mailto:pllano@iattc.org">pllano@iattc.org</a>  <b>ALFONSO MIRANDA</b>  <a href="mailto:amiranda@iattc.org">amiranda@iattc.org</a>  <b>DAN OVANDO</b>  <a href="mailto:dovando@iattc.org">dovando@iattc.org</a>  <b>CHRISTINE PATNODE</b>  <a href="mailto:cpatnode@iattc.org">cpatnode@iattc.org</a>  <b>JEAN-FRANCOIS PULVENIS</b>  <a href="mailto:jpulvenis@iattc.org">jpulvenis@iattc.org</a>  <b>MARLON ROMAN</b>  <a href="mailto:mroman@iattc.org">mroman@iattc.org</a>  <b>ROBERT SARAZEN</b>  <a href="mailto:rsarazen@iattc.org">rsarazen@iattc.org</a>  <b>SALVADOR SIU</b>  <a href="mailto:ssiu@iattc.org">ssiu@iattc.org</a>  <b>ENRIQUE UREÑA</b>  <a href="mailto:eurena@iattc.org">eurena@iattc.org</a>  <b>KATYANA VERT-PRE</b>  <a href="mailto:vertpre.katyana@gmail.com">vertpre.katyana@gmail.com</a>  <b>BRAD WILEY</b>  <a href="mailto:bwiley@iattc.org">bwiley@iattc.org</a></p>
--	--

\*Head of Delegation-Jefe de Delegación

## Annex 2

### AGENDA

1. Opening of the meeting
2. Adoption of the agenda
3. Review of recommendations from the 7th meeting of the FAD Working Group
4. Advances on biodegradable FADs in the EPO
5. FAD data reporting established in Resolution C-19-01 and C-21-04
6. FAD fishery indicators
7. Initiatives to reduce impacts of FADs fishing
8. Conclusions and recommendations
9. Other business
10. Adjournment

**INTER-AMERICAN TROPICAL TUNA COMMISSION**  
**AD-HOC PERMANENT WORKING GROUP ON FADS**  
**8<sup>TH</sup> MEETING**

La Jolla, California (USA)  
07-08 June 2024

**RECOMMENDATIONS ADOPTED BY THE WORKING GROUP**

Consistent with its terms of reference established in Resolution C-19-01, Annex III, **the Ad Hoc Permanent Working Group on FADs**, in reporting to the Scientific Advisory Committee on the results of its 8th meeting, and in the framework of the process of coordination with that Committee and with the scientific staff in the identification and review of feasible FAD management measures, as a preliminary step prior to the presentation of recommendations to the Commission, **wishes to recommend that:**

**1. On biodegradable FADs**

- 1.1. The investigation of new more durable materials for the construction of biodegradable FADs be continued, taking into account their economic viability and availability.
- 1.2. The current FAD designs be modified to reduce the amount and the fraction of synthetic materials used in their construction, before requirements of Resolution C-23-04 enter into force.
- 1.3. The process of data collection on prototypes of biodegradable FADs be improved, to help in the analysis of the efficiency, duration, and correct classification by category of biodegradable FADs.
- 1.4. The exchange of information obtained in biodegradable FADs trials among scientists, companies, managers from different fleets, CPCs and RFMOs be promoted, to advance in unison and faster in the objectives of the Commission.
- 1.5. The scientific staff analyse the potential effect of the transition towards the implementation of 100% biodegradable FADs on possible changes in the fleet fishing strategies.
- 1.6. Fishing companies in cooperation with IATTC and relevant scientific institutions prepare guides and workshops for the correct handling and use of biodegradable FADs for fishers with the objective to minimize the wear and breakdown of this type of FADs.
- 1.7. Given the low amount of deployed experimental FADs that are visited, that fleets continue deploying experimental biodegradable FADs on a greater scale, and in a systematic manner, to meet the requirements of the Resolution C-23-04, taking into account the limits established in C-21-04.
- 1.8. The scientific staff study the working lifespan of conventional and biodegradable FADs to evaluate the real needs of the fleet and the possible effects of the implementation of biodegradable FADs in the fishing operation.
- 1.9. The scientific staff conduct studies on the working lifetime of conventional and biodegradable FADs at the Pacific Ocean scale, promoting to that end the collaboration among researchers who work in both regions of the Pacific.



## **2. On data collection**

- 2.1. The IATTC scientific staff analyse in more detail the information of buoy data, such as activations and deactivations, and propose adjustments to the format of the data provided to improve the utility of the data to achieve the conservation objectives of the Commission.
- 2.2. The IATTC staff provide feedback to CPCs, representatives of their relevant fleets and buoy service providers that are incorrectly providing buoy data so that the issue can be corrected as early as possible and in general terms pedagogy in the information reporting promoted.
- 2.3. IATTC organize workshops with CPCs, fishing companies, captains, crew and buoy providers to present the correct reporting protocols for buoy data and to clarify the differences between deactivated FADs reported as “signal loss” which may in fact be “temporarily during closure periods; and that these workshops be used also to collect first-hand and direct information on the dynamics of the fishery.
- 2.4. Regarding the need to submit buoy files per ship, the IATTC consider revising Annex IV of Resolution C-21-04 to specify that the files be generated preferably by vessel.

## **3. On FAD fishery indicators**

- 3.1. Fishing companies and buoy providers, to the extent possible, make available to the IATTC and CPCs the historical acoustic buoy information to avoid losing data received by original users, including both trajectories and biomass information, of enormous value for science, and in particular stock assessment.
- 3.2. To the extent possible, data from all buoy providers be incorporated in studies of estimation of indices of abundance, in order to increase the number of observations incorporating a larger number of vessels, FADs and fishing strategies.

## **3. On the impact of FADs**

1. IATTC staff continue to analyse stranding events and activation/deactivation data to develop future options for at-sea recovery of FADs.
  1. The Commission adopt the data form in Appendix 4 in [FAD-07 INF-A](#) to facilitate reporting on FAD recoveries as described in paragraph 4 of Resolution C-23-03 and the harmonization with the data of the WCPFC to facilitate Pacific-wide collaboration.
  3. Vessel owners be encouraged to participate in FAD retrieval programs.
  4. Cooperation of coastal communities be promoted in projects to identify, report to IATTC and recover stranded FADs.
  5. The utilization of appropriate technologies be considered, such as those described in document FAD-08-08, or similar others, for the development of sensors transmitting the FAD buoys’ serial number and other applications related with other fishing activities that require remote and automatic data collection.