

LIST OF DOCUMENTS FOR THE 19TH WORKING PARTY ON ECOSYSTEMS AND BYCATCH

Document	Title
IOTC-2023-WPEB19-01a	Agenda of the 19th Working Party on Ecosystems and Bycatch
IOTC-2023-WPEB19-01b	Annotated agenda of the 19th Working Party on Ecosystems and Bycatch Assessment Meeting
IOTC-2023-WPEB19-02	List of documents of the 19th Working Party on Ecosystems and Bycatch Assessment Meeting
IOTC-2023-WPEB19-03	Outcomes of the 25 th Session of the Scientific Committee (IOTC Secretariat)
IOTC-2023-WPEB19-04	Outcomes of the 27 th Session of the Commission (IOTC Secretariat)
IOTC-2023-WPEB19-05	Review of Conservation and Management Measures relevant to ecosystems and bycatch (IOTC Secretariat)
IOTC-2023-WPEB19-06	Progress made on the recommendations and requests of WPEB18 and SC25 (IOTC Secretariat)
IOTC-2023-WPEB19-07_rev2	Review of the statistical data and fishery trends for ecosystems and bycatch species (IOTC Secretariat)
IOTC-2023-WPEB19-08_rev1	Status of development and implementation of National Plans of Action for seabirds and sharks, and implementation of the FAO guidelines to reduce marine turtle mortality in fishing operations (IOTC Secretariat)
IOTC-2023-WPEB19-09	Revision of the WPEB Program of Work (2024–2028) (IOTC Secretariat & Chairperson)
IOTC-2023-WPEB19-10	Research prioritisation to manage sharks and rays in South African Fisheries (C. da Silva, S. Lamberth and S. Kerwath)
IOTC-2023-WPEB19-11	Gillnet tuna fisheries in the Coastal waters of India: Intensity and spatial spread of the fisheries with implications of non-target and sensitive species interactions (M. Koya, A. Azeez, E.M. Abdussamad, P. Rohit and K. Shoba Joe)
IOTC-2023-WPEB19-12	An overview on large pelagic species and Estimation of By-catch by Iranian fishing vessels (Gillnets) In IOTC competence of area in 2021 (M. D. Siyahaki)
IOTC-2023-WPEB19-13	Ecosystem and bycatch in Somalia 2023 (M. M. Adawe, S. Abdulahi Nor)

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IOTC-2023-WPEB19-14	Vulnerability assessment of elasmobranch species to fisheries in coastal Kenya: implications for conservation and management policies (B. Kiilu, B. Kaunda-Arara, G. Okemwa, R. Oddenyo, E. Mueni, P. Musembi, B. Fulanda, M. Okeri, L. Menya, G. Nduku, J. Musembei, M. Omar, E. Kimani)
IOTC-2023-WPEB19-15	Is the demand for fins driving the high capture of sharks, or are there more significantly valuable commodities? (G. Moreno)
IOTC-2023-WPEB19-16_rev1	Fins Naturally Attached the globally acknowledged best practice to prevent finning (I. Ziegler)
IOTC-2023-WPEB19-17_rev1	Undetected silky sharks (<i>Carcharhinus falciformis</i>) in the wells of the tropical tuna Spanish purses-seine fleet from the Indian Ocean (A. Perez San Juan, M. L. Ramos Alonso, J. C. Baez and V. Sierra)
IOTC-2023-WPEB19-18	Post-release mortality of oceanic whitetip sharks caught by purse seiners in the Indian Ocean: POREMO project (P. S. Sabarros, E. V. Romanov, E. Mollier, M. Tolotti, P. Bach)
IOTC-2023-WPEB19-19	An update on the recent development of IOTC BTH PRM Project and considerations for further actions (E. Romanov)
IOTC-2023-WPEB19-20	Historical standardized CPUEs of seven shark species in the Indian Ocean with preliminary catch estimation (E. Gee, E. V. Romanov, D. Curnick, B. Block and F. Ferretti)
IOTC-2023-WPEB19-21	Developing an Abundance Index of Blue Shark From a Handline Fishery in Southern Java Waters Part of Eastern Indian Ocean (D. Novianto, B. Setyadji, L. Sadiyah, F.Satriya, U.Chodrijah, Agustinus A. Widodo, Wudianto, A. F. Nugroho)
IOTC-2023-WPEB19-22	SMARTSNAP: A new device to aid in the reduction of bycatch in longline fisheries (A.E. Nieblas, T. Rouyer, S. Bonhommeau, S. Benard, J. Chanut, A. Boyer, O. Derridj, B. Brisset, H. Evano, V. Kerzerho)
IOTC-2023-WPEB19-23_rev1	A review of the effectiveness of gear modifications to reduce shark bycatch mortality in longlining (I. Ziegler)
IOTC-2023-WPEB19-24	Ecological risk assessment of cetaceans to Indian Ocean tuna fisheries (J. Kiszka)
IOTC-2023-WPEB19-25	International Whaling Commission activities relevant to the assessment of cetacean bycatch in the Indian Ocean (C. Passadore)
IOTC-2023-WPEB19-26	Advancing tools and survey effort for cetacean distribution assessment in the southwest Indian Ocean, and developing capacity to respond to cetacean entangled in fishing gear (V. Dulau, E. Leroy, A. Fajeau, V. Estrade and J. Martin)
IOTC-2023-WPEB19-27	Unilateral and multilateral approaches to cetacean bycatch management: risk and potential under the U.S. Marine Mammal Import Provisions Rule for IOTC Members (B. Elliott)

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IOTC-2023-WPEB19-28	Drift gillnet vessels from space: leveraging low-cost methodologies for enhanced understanding of a data-poor fishery (B. Elliott)
IOTC-2023-WPEB19-29	Updated ACAP Advice on Reducing the Bycatch of Albatrosses and Petrels in IOTC Pelagic Longline Fisheries (S. Jiminez)
IOTC-2023-WPEB19-30_rev1	Methods for mitigating sea turtle bycatch in longline fisheries: a meta-analysis (H. Yan)
IOTC-2023-WPEB19-31	Turtles, TEDs, tunas, dolphins, and diffusion of innovations: key drivers of adoption of bycatch reduction devices (L. D. Jenkins)
IOTC-2023-WPEB19-32	Assessment of the shark stock complex in the Bering Sea/Aleutian Islands and Gulf of Alaska (C. A. Tribuzio, M. A. Matta, K. B. Enchave, C. Rodgveller, G. Dunne and K. Fuller)
IOTC-2023-WPEB19-33	Estimating trends and magnitudes of bycatch in the tuna fisheries of the Western and Central Pacific Ocean (T. Peatman, V. Allain, L. Bell, B. Muller, A. Panizza, N. B. Phillip, G. Pilling and S. Nicol)
IOTC-2023-WPEB19-34_rev1	Silky shark abundance index based on CPUE standardisation of French Indian Ocean tropical tuna purse seine observer bycatch data (D. Kaplan and M. Tolotti)
IOTC-2023-WPEB19-35	Catch composition and some biological aspects of silky sharks (<i>Carcharhinus falciformis</i>) landed by surrounding net fishery in Sri Lanka (D. G. Balawardhana, H. L. Herath and S. S. Haputhantri)
Information papers	
IOTC-2023-WPEB19-INF01	Identification guide for species caught in pelagic tropical fisheries - v2.1 (English version) (P.S. Sabarros, F. Moussy, E. Mollier)
IOTC-2023-WPEB19-INF02	Note on incidents of oceanic manta ray (<i>Mobula birostris</i>) fishing gear entanglements from the Maldives (S. Hilbourne and G. Stevens)
IOTC-2023-WPEB19-INF03	Bycatch in Drift Gillnet Fisheries: a sink for Indian Ocean cetaceans (B. Elliott)
IOTC-2023-WPEB19-INF04	Diet composition of silky shark in the Arabian Sea, offshore waters of Pakistan (H. B. Osmany, H. Imran and K. Zohra)
IOTC-2023-WPEB19-INF05	Spatio-temporal distribution of juvenile oceanic whitetip shark incidental catch in the western Indian Ocean (L. Lopetegui-Eguren, J. J. Poos, H. Arrizabalaga, G. L. Guirhem, H. Murua, N. Lezama-Ochoa, S. P. Griffiths, J. R. Gondra, P. S. Sabarros, J. C. Baez and M. J. Juan-Jorda)
IOTC-2023-WPEB19-INF06	Identifying the drivers of silky shark distribution and an evaluation of protective measures (S. Murray, J. J. Meeuwig, C. D. H. Thompson and D. Mouillot)

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IOTC-2023-WPEB19-INF07	Biological aspects, exploitation rates, and spawning potential ratio of scalloped hammerhead shark (<i>Sphyrna lewini</i> Griffith & Smith, 1834) in Lampung Bay waters, Indonesia (B. Nugraga, A. S. Samusamu, R. Puspasari, D. Oktaviani, R. Rachmawati, P. F. Rachmawati, P. S. Sulaeman, S. T. Hartati and N. N. Wiadnyana)
IOTC-2023-WPEB19-INF08	Global hotspots of shark interactions with industrial longline fisheries (E. S. Burns, D. Bradley and L. R. Thomas)
IOTC-2023-WPEB19-INF09	Phylogeny explains capture mortality of sharks and rays in pelagic longline fisheries: a global meta-analytic synthesis (E. Gilman, M. Chaloupka, L. R. Benaka, H. Bowley, M. Fitchett, M. Kaiser and M. Musyl)
IOTC-2023-WPEB19-INF10	Beyond Post-release Mortality: Inferences on Recovery Periods and Natural Mortality From Electronic Tagging Data for Discarded Lamnid Sharks (H. D. Bowlby, H. P. Benoit, W. Joyce, J. Sulikowski, R. Coelho, A. Domingo, E. Cortes, F. Hazin, D. Macias, G. Biais, C. Santos and B. Anderson)
IOTC-2023-WPEB19-INF11	Preliminary recovery plan for scalloped hammerhead in the Indian Ocean (C. Rigby)
IOTC-2023-WPEB19-INF12	Implementing Ecosystem Approach to Fisheries Management in the Western and Central Pacific Fisheries Commission: Challenges and Prospects (H. Shen and L. Song)
IOTC-2023-WPEB19-INF13	Technical mitigation techniques to reduce bycatch of sharks: there is no silver bullet (D. Drynan and G. B. Baker)
IOTC-2023-WPEB19-INF14	Efficacy of a novel shark bycatch mitigation device in a tuna longline fishery (P. D. Doherty, R. Enever, L. C. M. Omeyer, L. Tivenan, G. Course, G. Pasco, D. Thomas, B. Sullivan, B. Kibel, P. Kibel, B. J. Godley)
IOTC-2023-WPEB19-INF15	New technologies to improve bycatch mitigation in industrial tuna fisheries (F. Poisson, P. Budan, S. Coudray, E. Gilman, T. Kojima, M. Musyl and T. Takagi)
IOTC-2023-WPEB19-INF16	A comparison of catch efficiency and bycatch reduction of tuna pole-and-line fisheries using Japan tuna hook (JT-hook) and circle-shaped hook (C-hook) (K. Q. Nguyen, B. V. Nguyen, H. T. Phan, L. T. Nguyen, P. V. To and H. V. Tran)
IOTC-2023-WPEB19-INF17	A systematic review of sensory deterrents for bycatch mitigation of marine megafauna (S. Lucas and P. Berggren)
IOTC-2023-WPEB19-INF18	Bycatch mitigation of protected and threatened species in tuna purse seine and longline fisheries (Y. Swimmer, E. A. Zollett, A. Gutierrez)
IOTC-2023-WPEB19-INF19	Multifaceted effects of bycatch mitigation measures on target/non-target species for pelagic longline fisheries and consideration for bycatch management (D. Ochi, K. Okamoto and S. Ueno)

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IOTC-2023-WPEB19-INF20	A decision support tool for integrated fisheries bycatch management (E. Gilman, M. Hall, H. Booth, T. Gupta, M. Chaloupka, H. Fennell, M. J. Kaiser, D. Karnad, E. J. Milner-Gulland)
IOTC-2023-WPEB19-INF21	Bycatch-neutral fisheries through a sequential mitigation hierarchy (E. Gilman, M. Chaloupka, H. Booth, M. Hall, H. Murua and J. Wilson)
IOTC-2023-WPEB19-INF22	Spatially explicit risk assessment of marine megafauna vulnerability to Indian Ocean tuna fisheries (L. Roberson, C. Wilcox, G. Boussarie, E. Dugan, C. Garilao, K. Gonzalez, M. Green, S. Kark, K. Kaschner, C. J. Klein, Y. Rousseau, D. Vallentyne, J. E. M. Watson and J. J. Kiszka)
IOTC-2023-WPEB19-INF23	Regional variation in anthropogenic threats to Indian Ocean whale sharks (S. D. Reynolds, B. M. Norman, C. E. Franklin, S. S. Bach, F. G. Comezzi, S. Diamant, M. Y. Jaidah, S. J. Pierce, A. J. Richardson, D. P. Robinson, C. A. Rohner and R. G. Dwyer)
IOTC-2023-WPEB19-INF24	Policy and transparency gaps for oceanic shark and rays in high seas tuna fisheries (M. R. Cronin, J. E. Amaral, A. M. Jackson, J. Jacquet, K. L. Seto and D. A. Croll)
IOTC-2023-WPEB19-INF25	High bycatch rates of manta and devil rays in the “small-scale” artisanal fisheries of Sri Lanka (D. Fernando and J. D. Stewart)
IOTC-2023-WPEB19-INF26	Comparative population genomics of manta rays has global implications for management (E. Humble, J. Hosegood, G. Carvalho, M. de Bruyn, S. Creer, G. M. W. Stevens, A. Armstrong, R. Bonfil, M. Deakos, D. Fernando, N. Froman, L. R. Peel, S. Pollett, A. Ponzo, J. D. Stewart, S. Wintner and R. Ogden)
IOTC-2023-WPEB19-INF27	Assessing the effectiveness of LED lights for the reduction of sea turtle bycatch in an artisanal gillnet fishery – a case study from the north coast of Kenya (T. Kakai)
IOTC-2023-WPEB19-INF28	Reducing sea turtle bycatch with net illumination in an Indonesian small-scale coastal gillnet fishery (D. A. Gautama, H. Susanto, M. Riyanto, R. I. Wahyu, M. Osmond and J. H. Wang)
IOTC-2023-WPEB19-INF29	Loggerhead turtle oceanic-neritic habitat shift reveals key foraging areas in the Western Indian Ocean (J. R. Monsinjon, A. Laforge, P. Gaspar, A. Barat, O. Bousquet, S. Ciccione, C. Jean, K. Ballorain, M. Dalleau, R. Coelho, S. Bonhommeau and J. Bourjea)
IOTC-2023-WPEB19-INF30	Calculating acceptable biological catch for stocks that have reliable catch data only (J. Berkson, L. Barbieri, S. Cadrin, S. Cass-Calay, P. Crone, M. Dorn, C. Friess, D. Kobayashi, T. J. Miller, W. S. Patrick, S. Pautzke, S. Ralston and M. Trianni)
IOTC-2023-WPEB19-INF31	The refined ORCS approach: A catch-based method for estimating stock status and catch limits for data-poor fish stocks (C. M. Free, O. P. Jensen, J. Wiedenmann and J. J. Deroba)

Document	Title
IOTC-2023-WPEB19-INF32	Scientific and Statistical committee draft report to the North Pacific fishery management council (S. Dressel, F. Mueter, A. Whitman, C. Anderson, A. Bishop, C. Cunningham, M. Downs, R. Foy, J. Gasper, D. Hanselman, B. Harris, G. Hunt, K. Kroetz, K. Meyer, A. Munro, C. Siddon, I. Stewart and P. Sullivan)
IOTC-2023-WPEB19-INF33	Meeting of the Gulf of Alaska Groundfish plan team (J. Ianelli, C. Lunsford, S. Cleaver, O. Davis, C. Faunce, L. Hillier, P. Hulson, S. Lowe, N. Nichols, C. O’Leary, A. Olson, J. Rumble, P. Spencer, M. Szymkowiak, B. Williams and K. Williams)
IOTC-2023-WPEB19-INF34	Meeting of the Bering Sea and Aleutian Islands Groundfish plan team (S. Barbeaux, K. Shotwell, C. Tribuzio, D. Stram, C. A. Akselrud, M. Furuness, A. Hicks, L. Hillier, K. Holsman, P. Joy, A. Kingham, B. Matta, A. Seitz, M. Smith and J. Sullivan)
IOTC-2023-WPEB19-INF35	Joint Groundfish plan teams minutes (S. Barbeaux, K. Shotwell, C. Tribuzio, D. Stram, C. A. Akselrud, M. Furuness, A. Hicks, L. Hillier, K. Holsman, P. Joy, A. Kingham, B. Matta, A. Seitz, M. Smith, J. Sullivan, J. Ianelli, C. Lunsford, S. Cleaver, K. Blackhart, O. Davis, C. Faunce, P. Hulson, S. Lowe, N. Nichols, A. Olson, J. Rumble, P. Spencer, M. Szymkowiak)
IOTC-2023-WPEB19-INF36	Analysis of the Marine Stewardship Council’s policy on shark finning and the opportunity for adoption of a ‘Fins naturally attached’ policy in the MSC fisheries standards review (I. Ziegler, A. Hammond, S. Millward, K. Woodroffe, C. Vail, L. Guida, A. Hofford, R. Arauz)
IOTC-2023-WPEB19-INF37	Global prevalence of setting longlines at dawn highlights bycatch risk for threatened albatross (D. Kroodsma, J. Turner, C. Luck, T. Hochberg, N. Miller, P. Augustyn, S. Prince)
IOTC-2023-WPEB19-INF38	Global governance guard rails for sharks: Progress towards implementing the United Nations international plan of action (E. Gilman, M. Chaloupka, N. Taylor, L. Nelson, K. Friedman and H. Murua)