

Time	19/04/2021	20/04/2021			
		TG Pelagics	TG Lights	TG Passive	
15:00	Welcome by host IMR (incl. housekeeping)	Review ToRs (Gilman)	Introductions and Topic Group summary	Introduction to topic group (Lotte, Gilidas, Isi, Peter)	
15:05		Benefits of fisheries synthesis science based on meta-analytic approaches (Chaloupka)			Update on the 'Light' guidelines paper
15:10			Effect of pelagic longline bait type on species selectivity: A global synthesis of evidence (Gilman)	Magnus Wahlberg : What do we know about porpoise detections of gillnets?	
15:15					
15:20		Welcome WGFTFB (Anto + Daniel + Pingguo)	Collaborative research prioritisation process – prioritizing future meta-synthesis research on vulnerable bycatch mitigation (Fennell)	Keynote Speaker, Sönke Johnsen (Duke University, USA): "Selective invisibility and its potential applications in fisheries: a case study in reducing sea turtle bycatch by longlines"	Questions
15:25	General discussion (Sala and Fennell)				Jamie Macaulay : Tracking 3D harbour porpoise movements around gill nets using passive acoustic monitoring
15:30		Questions			
15:35	Lansley et al. ; FAO's global efforts in responsible fishing operations (6)	Topic Group wrap up		Thomas Tvedt : Human echolocation – new ears on an old topic	
15:40					Keynote Speaker, Fabio Cortesi (University of Queensland, Australia): "The colourful world of marine fishes, from tropical coral reefs to the deep-sea"
15:45	Chaloupka et al. ; Benefits of fisheries synthesis science based on meta-analytic approaches (4)		Questions		
15:50				Break	
15:55	Browne et al. ; Towards integrating effects of gear changes in stock forecasts (19)				Graham Martin : Visual and cognitive aspects of seabird bycatch
16:00				Melli et al. ; Closing the gap between gear selectivity studies and fishery management (30)	
16:05	Break				
16:10		Break			
16:15	Break				
16:20		Break			
16:25	Break				
16:30		Break			
16:35	Break				
16:40		Break			
16:45	Break				
16:50		Break			
16:55	Break				
17:00		Feekings et al. ; Developing a method to ensure the sustainable exploitation of new species: greater weever (<i>Trachinus draco</i>) (34)	TBD		Questions
17:05	Keynote Speaker, Mattias van Opdahl (Belgium): "Use of LED light in beam trawl fisheries"				
17:10		Noack et al. ; Length matters: Effects of fishing gear and fishing behavior on the catch efficiency of a demersal seine (10)		Break	Kirstin Hansen : What marine birds hear underwater, and what they do with it
17:15	Presentation: Michele Luca Geraci et al. (Italy): "An unplanned trial with artificial light revealed a yield increase in crustacean trawl fisheries"				
17:20		Jung et al. ; Estimation of the swept area of small "fly dragging" seine fishing (13)		Break	Break out group- session 1
17:25	Facilitated group discussion: Where are we at with light and where do we go from here?				
17:30		Molenaar ; Development of the innovative water spray gear targeting flatfish (20)		Break	Break out group- session 2
17:35	Group Presentations				
17:40		Molenaar ; Development of the innovative water spray gear targeting flatfish (20)		Break	Pitch presentations
17:45	McHugh et al. ; Novel Nephrops trawls to reduce environmental impacts (22)				
17:50		Breddermann et al. ; Contemporary engineering tools to aid fishing gear development (26)		Break	Pitch presentations
17:55	Araya-Schmidt et al. ; Flume tank testing of an innovative footgear technology using simulated seabeds (37)				
18:00		Savina et al. ; How are fish captured in gillnets? (29)		Break	Pitch presentations
18:05	Light Topic Group wrap up				
18:10		End of meeting day	End of meeting day	End of meeting day	End of meeting day
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19:00		End of meeting day			

Facilitator	Session
Pingguo He	Session 1: General topics
Antonello Sala	Session 2: Fishing gear designs
Jon Lansley	Session 3: Passive gears
Antonello Sala	Session 4: Trawl selectivity
Pingguo He	Session 5: Survival /Behaviour/ Physiology
Daniel Stepputtis	Session 6: Fishing gear (image recognition)
Daniel Stepputtis	Session 7: WGFTFB business and others

Time	21/04/2021	22/04/2021	23/04/2021
	JFATB Joint Session		
15:00	15:00 Welcome and Opening Remarks	Szynaka et al. ; Fishing Sepia Officinalis with Modified Trammel Nets: Is Greca the Answer to By-catch? (12)	Santos et al. ; Behavioural trees: A model-free method to analyse fish behaviour observations during the capture process. (33)
15:05			
15:10	15:10 Opening keynote: Echo sounder developments in my scientific life. From EK38 to EK80 with some significant steps. E. Ona	Chun An et al. ; Bycatch Reduction Device in Inland Pontoon Trap (24)	Chladek et al. ; Using an innovative net-pen-based observation method to assess and compare fish pot-entrance catch eff. (41)
15:15			
15:20			
15:25	15:40 Fish passage rates prior to the cod end – a Smartrawl feasibility study. P. G. Fernandes et al.	Méhault et al. ; A fish pot development based on target species behaviour (9)	Hollins et al. ; The Role of Physiology in Determining Vulnerability to Capture in Fish: Insights From Experimental Approaches (23)
15:30			
15:35	15:52 NepCon: image acquisition system for automatic Nephrops detection towards sustainable demersal fisheries. M. Sokolova et al.	Sawicki et al. ; Global Initiatives to Explore Subsea Buoy Retrieval Systems for Pot Fisheries (39)	Anders et al. ; Physiological response and survival of Atlantic mackerel exposed to simulated purse seine crowding and release (8)
15:40			
15:45			
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15:55	16:04 Improving a Video Trawl Survey for Atlantic Cod (Gadus morhua) in the Gulf of Maine. N. Calabrese and K. D.E. Stokesbury	Pol et al. ; Pot Escape by Snails: A First Look (16)	Simon et al. ; Giving Artificial Monitoring Intelligence to Fishing TRAWLS (GAME OF TRAWLS project) (18)
16:00			
16:05			
16:10	16:16 Midwater trawl selectivity corrections for acoustic surveys in Alaska. K. Williams and A. De Robertis	Ingolfsson et al. ; Catch efficiency for Nephrops in coastal deep-water shrimp (Pandalus borealis) trawl fisheries (15)	Rose ; Active selection using real-time video to reduce bycatch (27)
16:15			
16:20			
16:25	16:28 Helix Twine Off-Bottom Trawls: A New Twist to Target Eastern Georges Bank Haddock. D. M. Chosid and M. Pol	Oliver et al. ; Assessing the effects of artificial light on the raised-fishing line in the Celtic Sea mixed demersal trawl fishery (17)	Krag et al. ; A real-time camera system for catch monitoring in trawl fisheries (35)
16:30			
16:35			
16:40	16:40 Modifying a survey trawl to better retain small Arctic fishes. A. De Robertis et al.	Break	Announcement of new FAO-side chair
16:45			Proposal for 2022 WGFTFB meeting
16:50	16:52 Brief discussion and continued transition to next session		Break
16:55			
17:00	16:55 5 minute break, time to make a sandwich!	Lomeli et al. ; The efficacy of illumination to reduce Pacific halibut bycatch in a U.S. West Coast groundfish bottom trawl (38)	Presentation of Topic Groups 1: TG Light (TG Chairs)
17:05			
17:10	17:00 Keynote: The pelagic trawl, the challenges of catching small with a big gear H. A. Einarsson	Santos et al. ; ROOFLESS - Reducing cod bycatch in flatfish fisheries (40)	Presentation of Topic Groups 2: TG Passive (TG Chairs)
17:15			
17:20	17:30 Big trawls for little organisms: Development of non-graded trawls for macroplankton and micronekton organisms. M. Underwood et al.	Xu et al. ; Selectivity of different mesh size codends of canvas spreader stow net for Trichiurus lepturus (42)	Presentation of Topic Groups 3: TG Pelagic (TG Chairs)
17:25			
17:30	17:42 Challenges associated with linking the acoustic-estimated spatial extent and abundance of mesopelagic fishes to dynamical oceanographic processes within the California Current Ecosystem. I. Iglesias et al.	Zhu et al. ; Fish composition and distribution characteristics of by-catch of double-vessel seine in coastal Zhejiang province (43)	Presentation of National Reports
17:35			
17:40	17:54 Combined trawl-mounted optic and acoustic methods to study the mesopelagic ecosystem. S. Rosen et al.	Larsen et al. ; Vertical separation of species can reduce bycatch in shrimp trawl fisheries (44)	WGSSSE (Working Group on Size and Species Selection Experiments) (WG Chairs)
17:45			
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18:00			
18:05	18:06 Intelligent autonomous acoustic and optic characterization of mesopelagics in the Gulf of Mexico. J. C. Taylor et al.	van Vlasselael et al. ; The Accurate Selection: A new onboard sorting device for shrimp trawls (2)	WKING (Working Group on Innovative Fishing Gear) (Antonello Sala)
18:10			
18:15	18:18 General Discussion	Cuende et al. ; Prediction of square mesh panel and codend size selectivity of blue whiting based on fish morphology (11)	IberoAmerican-Network (Martin Hall)
18:20	18:25 Keynote: Biology of Fish Vision A.C. Utne-Palm	Goley et al. ; The school of hard knocks: is the survivability of trawled-and-discarded European plaice affected by rocks and debris in the catch? (28)	Surveytrawl NorthSea IBTS/GOV (Dave Stokes)
18:25			
18:30	18:55 Closing Remarks		ICES Advice on Collecting Bags (Antonello Sala, David Miller)
18:35			
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