

Fishery Dependent Information

Conference Programme



GALWAY, IRELAND
2010



Monday 23rd August

- 13:00 Welcome Address - Dr Peter Heffernan, CEO, Marine Institute, Galway
- 13:10 Opening remarks from the FDI Team – Setting the Scene, Martin Pastoors, IMARES, The Netherlands
- 13:25 Keynote Address – News of the Death of fishery-Dependent Data has been Exaggerated Dr. Steve Murawski, Chief Science Advisor, NOAA Fisheries, USA

Concurrent Themes

The role of technology, data collection and management in mitigating IUU fishing activity

Convener: Shaun Driscoll, FAO Italy

14:20 – 17:30 – LOCATION TBA

Analyzing Rare Occurrences In Fishery-Dependent Datasets

Convener: Kimberly Murray, NOAA Fisheries, USA

14:20 – 18:00 – LOCATION TBA

The role of technology, data collection and management in mitigating IUU fishing activity and Monitoring, Control and Surveillance

- 14:20 The importance of information transparency in the global fisheries sector and the role of the 'Global Record of Fishing Vessels' in achieving this. Shaun Driscoll, FAO, Italy
- 14:40 Estimation Of Total Retained Catch Based On Frequency Of Fishing Trips, Inspections At Sea, Transshipment- And VMS Data. Sondre Aanes, Institute of Marine Research, Norway
- 15:00 Inshore Vessel Monitoring Systems (VMS). Richard Caslake, Seafish Industry Authority, United Kingdom
- 15:20 Coffee
- 15:50 Finding The Unreported Total Catch In The Lobster (*Homarus Gammarus*) Fishery. Alf Ring Kleiven, Institute of Marine Research, Norway
- 16:10 The Tropical Tuna Fishery's By-Catch And Its Local Market In Côte D'ivoire. Combining Artisanal And Industrial Fishery Monitoring Approaches. Pierre Chavance; Institut de Recherche pour le Développement, France
- 16:30 Fishpoptrace: The Integration of Genetic And Genomic Data Into Fisheries Management. Eoin MacAoidh, European Commission DG Joint Research Centre, Italy
- 16:50 Poster review
- 17:00 Industry Perspective & Panel Discussion
- 17:30 Close
- 18:30 Welcome reception – University Bar

Analyzing Rare Occurrences In Fishery-Dependent Datasets

- 14:30 Analyzing rare occurrences in fishery-dependent datasets – introduction to the theme session, Kimberly Murray, NOAA Fisheries, USA

- 14:40 An Interview-Based Approach To Assess Marine Mammal And Sea Turtle Captures In Artisanal Fisheries. Jeff Moore, Duke University Marine Laboratory, United States of America
- 15:00 How To Monitor Marine Mammal Bycatch In A 'Modern Artisanal' Fishery? Arne Bjørge, Institute of Marine Research, Norway
- 15:20 Coffee
- 15:50 Seabird Bycatch in Russian Longline Fisheries in the Barents Sea. Andrey Grekov, Knipovich Polar Research Institute of Marine Fisheries and Oceanography, Russia (Presented by K.V. Drevetnyak)
- 16:00 Model Averaging as an Approach to Addressing Uncertainty When Estimating Bycatch of Coastal Bottlenose Dolphins - A Rare Event in U.S. Mid-Atlantic Gillnet Fisheries. Marjorie Rossman, U.S. National Marine Fisheries Service, United States of America. Presented by K. Murray)
- 16:10 Estimating Species Composition Of Trawl Catch With Observer Data: Cautions For Rare Species. Elizabeth Conners, U.S. National Marine Fisheries Service, United States of America
- 16:30 Estimation Of The Bycatch Of Protected Species And Other Rarely Caught Species In The Hawaiian Longline Fishery. Marti McCracken, NOAA Fisheries, United States of America
- 16:50 The International Commission For The Conservation Of Atlantic Tunas (ICCAT) Assessment Of Fishery Interactions With Atlantic Ocean Seabirds. Geoff Tuck, CSIRO, Australia
- 17:10 Industry Perspective & Panel Discussion
- 18:00 Close
- 18:30 Welcome reception – University Bar

Tuesday 24th August

- 08:30 Opening
- 08:40 Keynote address – “Converging opposing perceptions in fisheries science – the importance of common language, mutual understanding and collaboration between fishermen and scientists” Lorcan O' Cinneide, CEO, Irish Fish Producers Organisation

Concurrent Themes

Technologies for monitoring and data collection

Chair: Bill Karp, NOAA Fisheries, USA

09:40 – 18:00 –LOCATION TBA

Fishery management and policy issues relevant to fishery dependent information

Chair: Richard Granger, FAO, Italy

09:40 – 17:30– LOCATION TBA

Technologies for monitoring and data collection

- 09:40 Two Pathways For Electronic Monitoring: Fisher Engagement Or Big Brother?
Howard McElderry, Archipelago Marine Research Ltd., Canada
- 10:00 Fully Documented Fishery – A Tool To Support A Catch Quota Management.
Jørgen Dalskov, National Institute of Aquatic Resources, Denmark
- 10:20 Assessment Of Fishery Induced Abundance Depletion From Opportunistically
Collected Acoustic Data. Steven Barbeaux, Alaska Fisheries Science Center,
NOAA Fisheries, United States of America
- 10:40 Coffee
- 11:10 The Introduction Of Elog Technology To The Fishing Industry, A Case Study:
Ground Fish In The Gulf Of Mexico. Amos Barkai, Olrac, South Africa
- 11:30 Automatic Species Recognition, Length Measurement And Sorting Of Fish In The
Trawl Using The Underwater Catchmeter Computer Vision System. Darren
Hammersland-White, Scantrol, Norway
- 11:50 Use Of Electronic Logbooks To Monitor Effort In The USA Gulf Of Mexico Shrimp
Fishery. James Nance, NOAA Fisheries, United States of America
- 12:10 The Recopesca Project: A New Example Of Participative Approach To Collect
Fisheries And In-Situ Environmental Data. Emilie Leblond, Ifremer, France
- 12:30 Lunch
- 14:00 Production Per Species, Per Season, Per Zone: Looking For Small Scale Fisheries
Interactions. Mauricio Ramirez-Rodriguez, CICIMAR – IPN, Mexico
- 14:20 The Importance Of Acoustic Data From Fishing Vessels For The Analysis And
Management Of The Chilean Jack Mackerel Fishery In The South Pacific Ocean.
Francois Gerlotto, IRD, France
- 14:40 Scottish Industry Experiences with video monitoring of catches; Mike Park, Scottish
Whitefish Producers Organisation, Scotland
- 15:00 Estimating The Accuracy Of Using VMS Data To Estimate Trawled Seabed Areas.
Kristian L. Skaar. Institute of Marine Research. Norway

- 15:20 From Vms To Fishing Effort And Prey Distribution. Nicolas Bez, IRD, France
- 15:40 Coffee
- 16:10 Poster review
- 17:00 Industry Perspective & Panel Discussion
- 18:00 Close

Fishery management and policy issues relevant to fishery dependent information

- 09:40 The Ups And Downs Of Working With Industry To Collect Fishery Dependent Data; The Irish Experience. Colm Lordan, Marine Institute, Ireland
- 10:00 The Role Of Fisheries Data And Information On The Development Of Multi-Annual Plan Evaluation And Impact Assessment In Support Of European Fisheries Policy. John Simmonds, JRC, Ispra, Italy
- 10:20 The Burden Of Proof In Co-Management And Results Based Management: The Elephant On The Deck! Mike Fitzpatrick, University College Cork, Ireland
- 10:40 Coffee
- 11:10 Reduction Of EU Discards – From A Prescriptive To Results Based Approach, Can It Work In Practice? Norman Graham, Marine Institute, Ireland
- 11:30 Assessing Data Poor Fisheries: Highlights Of Ongoing Work In FAO. Gabriella Bianchi, FAO, Italy
- 11:50 Using Fishery Dependent Data To Inform The Development And Operation Of A Co-Management Initiative To Reduce Cod Mortality And Cut Discards. Steven Holmes, Marine Scotland Science, Marine Laboratory, United Kingdom
- 12:10 The Harvest Strategy Framework Of The Australian Southern And Eastern Scafish And Shark Fishery, With An Emphasis On The Catch-Rate Based Control Rule For Data-Poor Stocks. Little, L.R., CSIRO, Australia
- 12:30 Lunch
- 14:00 Examining Changes In Irish Fishing Practices In Response To The Cod Long Term Plan. Sarah Davie, Marine Institute, Ireland
- 14:20 Evaluating The Effect Of Real-Time Closures On Cod Targeting. Rui Catarinio, Marine Scotland – Science, United Kingdom
- 14:40 Spatial and Temporal Distributions Of Pacific Cod And Walleye Pollock Landings In A Variable Environment: Investigating The Roles Of Climate Change In The Eastern Bering Sea. Doug Reese, Oregon State University, United States of America
- 15:00 Using High Resolution Fishing Effort Data To Explore Ecosystem Effects Of Fishing. Samuel Shephard, Galway-Mayo Institute of Technology, Ireland
- 15:20 Do Big Boats Tow Big Nets? An Examination Of The Relationship Between Fishing Vessel Physical Characteristics And The Gear They Tow. Dave Reid, Marine Institute, Ireland
- 15:40 Coffee
- 16:10 The European Union Data Collection Framework - A key tool for knowledge based fisheries management under the Common Fisheries Policy: Challenges ahead, Antonio Cervantes, European Commission, Brussels, Belgium
- 16:30 Industry Perspective & Panel Discussion
- 17:30 Close

Wednesday 25th August

- 08:20 Opening
- 08:30 Keynote address "Policy indicators based on fisheries data sources – examples from Norway" – Peter Gullestad, Norwegian Directorate of Fisheries

Concurrent Themes

Data quality, evaluation and control:

Traditional and novel data collection methods

Chair: Kjell Nedreaas - Institute of Marine research, Norway

09:40 – 18:30

LOCATION TBA

Application of fisher knowledge in scientific assessments and fishery management:

Chair: Jerry Fraser, National Fisherman, USA

09:40 – 17:30

LOCATION TBA

Data quality, evaluation and control:

Traditional and novel data collection methods

- 09:40 Potential And Gaps In Monitoring On Capture Fisheries Sector. Satchiko Tsuji, Food and Agriculture Organisation of the UN, Italy
- 10:00 Supply Chaining Fisheries Advice. Paul Connolly, The Marine Institute, Ireland
- 10:20 An Overview Of Global Inland Fish Catch Statistics. Robin Welcomme, FAO, United Kingdom
- 10:40 Coffee
- 11:10 Data Collection In Industrial And Small Scale Fisheries, Strength And Weaknesses From A Global Perspective. Gertjan de Graaf, FAO, Italy
- 11:30 FAO Strategy For Improving Information On Status And Trends Of Capture Fisheries (Strategy-STF), In Particular For Small Scale Fisheries, Gertjan de Graaf, FAO, Italy
- 11:50 Revisiting The Difficulties In Small Scale Fisheries Monitoring. Pierre Morand, Institut de Recherche pour le Development – IRD, France
- 12:10 Poster Review
- 12:30 Lunch
- 14:00 Evaluation Of Imputation In Alaska Groundfish Catch Estimation. Jennifer Mondragon, NOAA Fisheries, United States of America
- 14:20 Sampling errors in catch-at-age of Northeast Arctic haddock and the implications for quota setting. Jon Helge Vølstad, Institute of Marine Research, Norway.
- 14:40 Quantifying Causes Of Discard Variability: An Indispensable Assistance To Discard Estimation And A Paramount Need For Policy Measures. Jochen Depestele, ILVO, Belgium
- 15:00 Observations Of The Scottish Mixed Demersal Trawl Fishery. Paul Fernandes, Marine Scotland Science, United Kingdom
- 15:20 Coffee

- 15:50 Integrating Different Sources Of Data To Reduce Uncertainty In The Assessment And Management Of Fisheries Resources Following An Environmental Impact
Douglas Rotherham, Industry and Investment NSW, Australia
- 16:10 Status Quo And Challenges Of Collection And Interpretation Of Fisheries Dependent Data For Inland Fisheries Management In Mainland Of China.
Jianzhong Shen, College of Fisheries, Huazhong Agricultural University, China
- 16:30 Evaluating The Quality Of Bycatch Data And Bycatch Estimates Across Disparate Fisheries. Samantha Brooke, National Marine Fisheries Service, United States of America
- 16:50 Science – Industry Research Data – An Important Part Of Demersal Fish Stocks Conservation In The Barents Sea. Konstantin Drevetnyak, Knipovich Polar Research Institute of Marine Fisheries and Oceanography (PINRO), Russian Federation
- 17:10 Fisheries Management In The Falkland Islands (Southwest Atlantic). Vladimir Laptikhovsky, Falkland Islands Government, United Kingdom
- 17:30 Poster review
- 17:50 Industry Perspective & Panel Discussion
- 18:30 Close
- 19:30 Conference Dinner – Radisson SAS Hotel

Application of fisher knowledge in scientific assessments and fishery management:

- 09:40 Identifying the hurdles to integrating fishermen's knowledge and what needs to shift. Gavin Power, Irish South and West Fish Producers Organisation, Ireland
- 10:00 Economic Data Collection In The Fisheries Sector From 2001 To 2009 In France: A Support For Scientific Advice Regarding The Common Fisheries Policy. Sylvie Van Iseghem, Ifremer, France
- 10:20 Coffee
- 10:50 Indigenous Knowledge On Coastal Fisheries (SW India) - Economic Viability, Social Impacts With Poverty Reduction. Joseph Sebastian, Paimpillil, CEREM, India
- 11:10 Measuring Subjective And Objective Well-Being: Analyses From Five Marine Commercial Fisheries. Patricia M. Clay (presented by Lisa Colburn), NOAA Fisheries, United States of America
- 11:30 Using Qualitative Information Collected Onboard Trawlers To Simulate Fishermen's Behaviour. Laura Beatriz Wise, IPIMAR - Instituto de Investigação das Pesca e do Mar, Portugal
- 11:50 Estimating Anglers' Preferences For Various Freshwater Fish In Man-Made Lakes: Lessons From Fisheries Statistics And Direct Ichthyological Assessments. Martin Jankovsky, Institute of Hydrobiology, Academy of Sciences of the Czech Republic. Czech Republic
- 12:10 Collection Of Socio-Economic Data And Fishers' Knowledge Data And Integration Into The Analytical And Management Process: Participatory Fisheries Stock Assessment using Bayesian Model Averaging. Samu Mäntyniemi, University of Helsinki, Finland
- 12:30 Lunch

- 14:00 Fishery Science And Policy: Connecting Information And Decision-Making
Enhancing The Use Of Internet For Fisheries Policy And Management Advice.
Serge Michel Garcia, Independent- Former FAO, Italy
- 14:20 Fisheries As Learning Systems: Improving Fishery And Fisher Decision-Making.
Angus Garrett, Sea Fish Industry Authority, United Kingdom
- 14:40 Data Requirements For Sustainable Management Of Tuna Fisheries Under
International Law: Issues For Indian Ocean Developing Coastal States. Jane
Mbendo, University Of Wollongong, Australia
- 15:00 Coffee
- 15:30 Integrating Traditional And Local Ecological Knowledge Into Fisheries
Management In Africa: Application In Nigeria. Yemi Akegbejo-Samsons, University
of Agriculture, Nigeria
- 15:50 Regional Advisory Councils, dealing with data deficiencies and devolution of
management responsibility (working title) Barry Dees, National Federation of
Fishermen's Organisations, UK
- 16:10 Poster Review
- 16:20 Industry Perspective & Panel Discussion
- 17:30 Close
- 19:30 Conference Dinner – Radisson SAS Hotel

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Thursday 26th August

- 08:20 Opening
- 08:30 Keynote address – “Fishery Dependent Information and the Ecosystem Approach: What Role Should Fishers and their Knowledge Play?” – Sebastian Matthew, Executive Secretary, International Collective in Support of Fishworkers, India

Concurrent Themes

Data quality, evaluation and control:

Data collection through observers and self-sampling by fishermen

Chair: Phil Macmullen - Seafish, UK

09:40 – 16:30

LOCATION TBA

Application of fisher knowledge in scientific assessments and fishery management:

Chair: Martin Pastoors, IMARES, Netherlands

09:40 – 16:30

LOCATION TBA

Data quality, evaluation and control:

Data collection through observers and self-sampling by fishers

- 09:40 Are Observer-Audits Of Industry Data Warranted? Lessons Learned From Early Comparisons Of Catch Compositions Within The Gulf Of Alaska Rockfish Fishery. Craig Faunce, Alaska Fisheries Science Center, United States of America
- 10:00 Discard Estimation Based On Self Sampling Data From The Norwegian Reference Fleet. Sam Subbey, Institute of Marine Research, Norway
- 10:20 Coffee
- 10:50 Evaluation Of The Design And Efficiency Of The Norwegian Self-Sampling Fleet. Michael Pennington, Institute of Marine Research, Norway
- 11:10 Fisheries Innovative Data Collection Strategy: The Case Of Self Sampling In Artisanal Fisheries Of Bonny, Nigeria. Parcy Abohweyere, Nigerian Institute for Oceanography & Marine Research, Nigeria
- 11:30 Multi-Agency Collection Of Harvest Data For Pacific Halibut (*Hippoglossus Stenolepis*): Does It Work? Gregg Williams, International Pacific Halibut Commission, United States of America
- 11:50 The Accuracy Of Self-Reported Fisheries Data: Trawl Logbook Fishing Locations And Retained Catches. David Sampson, European Commission, Joint Research Center, Italy
- 12:10 The Irish Sea Data Enhancement Programme: Comparison Of Self-Sampling And National Data Collection Programme – Results And Experiences. Deirdre Hoare, Marine Institute, Ireland
- 12:30 Lunch
- 14:00 A Probability-Based Survey With The Use Of Self-Sampling To Estimate Catch And Effort In Norway’s Coastal Tourist Fishery. Jon Helge Vølstad, Institute of Marine Research, Norway
- 14:20 An Integrated Approach For Allocating Observer Coverage. Susan Wigley, NOAA Fisheries, United States of America

14:40	Poster Review
15:00	Coffee
15:30	Industry Perspective & Panel Discussion
16:30	Close

Application of fisher knowledge in scientific assessments and fishery management:

09:40	Who Is Empowered By Fishermen's Information And Knowledge? Donna G Curtis, University of New Brunswick, Canada
10:00	Protection Of The European Eel (<i>Anguilla Anguilla</i>) In Norway – Combined Measures Of Conservation And Stakeholder's Involvement In Data Sampling. Vegard Haukeland, Ministry of Fisheries and Coastal Affairs, Norway
10:20	Coffee
10:50	Using Qualitative And Quantitative Stakeholder Knowledge And Data In Stock Assessment And Management: Examples From European Deepwater Fisheries. Pascal Lorange, Ifremer, France
11:10	Use Of Fishery Dependent Data To Design A Successful Industry-Based Fishery Independent Trawl Survey. Ian Knuckey, Fishwell Consulting, Australia
11:30	The Provision Of Fisheries Information By ICES Working Group on Fishing Technology and Fish Behaviour (WGFTFB) To Assessment Working Groups – Use Of Information And Lessons Learned. Dominic Rihan, Bord Iascaigh Mhara, Ireland
11:50	Integrated Data Collection From Reference Fleets In Coastal Shellfisheries. Oliver Tully, Marine Institute, Ireland
12:10	How To Use New Fisheries Data. Floor Quirijns, IMARES, Wageningen UR, The Netherlands
12:30	Lunch
14:00	Integrating Indigenous Perspectives Into Fisheries Management: Challenges And Opportunities In Torres Strait, Australia. Annie Lalancette, Concordia University, Canada
14:20	Integrating Local Fishers' Knowledge And Ecosystem Modeling For The Management Of The Red Sea Fisheries. Dawit Tesfamichael, University of Asmara, Eritrea
14:40	Poster review
15:00	Coffee
15:30	Industry Perspective and Panel Discussion
16:30	Close

Plenary Session – Concluding Remarks and Summation

17:00	Viewpoint from the European Commission, Lisa Borges
17:20	Concluding remarks from the Conveners and Steering Committee
18:00	Conference Close