



The 16th Meeting of the ISC: Activity Report

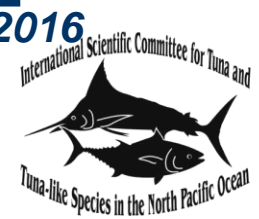
Gerard DiNardo

ISC Chairman

<http://isc.ac.affrc.go.jp>

Presentation Topics

- **Participants**
- **Working Group Workshops & Activities**
- **Stock Status & Conservation Advice**
- **Interactions with Regional Organizations**
- **Administrative matters**
- **Future Activities**



ISC16 Participants

July 2016 Sapporo, Japan

ISC Members

- **Canada**
- **Chinese Taipei**
- **Japan**
- **Republic of Korea**
- **United States of America**

Non-Voting Members

- **WCPFC**
- **PICES**

Observers

- **Pew Charitable Trust**
- **World Wide Fund for Nature – Japan**
- **Duke University**
- **Monterey Bay Aquarium**
- **Wild Oceans**

Working Group Workshops & Activities

- **Pacific Bluefin Tuna WG Workshop**
 - November 2015 (Kaohsiung, Taiwan) – Data preparation
 - March 2016 (La Jolla, CA USA) – Benchmark assessment
 - July 2016 (Sapporo, Japan) - Finalize presentation & work plan
- **Albacore WG Workshop**
 - March 2016 (Shimizu, Japan) – Assessment and MSE planning
- **Billfish WG Workshops**
 - January 2016 (Honolulu, HI USA) – Pacific blue marlin Data preparation
 - March 2016 (Busan, Korea) – Pacific blue marlin update stock assessment
 - July 2016 (Sapporo, Japan) – Finalize presentation & work plan

Working Group Workshops & Activities

- **Shark WG Workshops**
 - April 2016 (Webinar) – North Pacific blue shark data preparation
- **Statistics**
 - July 2016 (Sapporo, Japan) – Status of assignments; update work plan

ISC Stock Assessments

- **Pacific Bluefin Tuna**
 - Benchmark assessment



- **Pacific Blue Marlin**
 - Update assessment



- **NP Swordfish, NP Blue Shark, NP Albacore, NP Striped Marlin and Shortfin Mako Shark – No assessments**

Stock Status and Conservation Advice

Pacific Blue Marlin – Stock Status

- Compared to MSY- based reference points, the current spawning biomass was 23% above SSB_{MSY} and the current fishing mortality was 14% below F_{MSY} .
- The base case assessment model indicates that the Pacific blue marlin stock is currently not overfished and is not subject to overfishing relative to MSY-based reference points.

Stock Status and Conservation Advice

Pacific Blue Marlin – Conservation Advice

- To avoid overfishing of this nearly fully exploited stock ($F/F_{MSY} = 0.88$) fishing mortality should not be increased from the current (2012-2014) level (0.28).



Stock Status and Conservation Advice

Pacific Bluefin Tuna - Stock Status & Conservation Advice

Interactions with Regional Organizations

IATTC

- Cooperate in research & assessments (species WG)
- Exchange of data at WG and data inventory (Category I, II, and III)
- IATTC attended and participated in the May 2016 ISC MSE Workshop in Yokohama, Japan
- Updated ISC-IATTC Memorandum of Cooperation in 2016

Interactions with Regional Organizations

WCPFC

- Overview of Western and Central Pacific Ocean fisheries and stock status presented at ISC16
- Routinely exchange data inventories (Category I, II, and III)
- Presentation of Pacific bluefin tuna and Pacific blue marlin stock assessments at WCPFC-SC12 and WCPFC-NC12

Interactions with Regional Organizations

PICES

- **2015 Annual Meeting (Oct. 2015)**
 - Presented ISC structure and recent activities (poster)
 - Presented proposal for establishing a joint working group (WG) within PICES to assess impacts of climate change on highly migratory species.
- **January 2016**
 - WG 34 established – Ocean Conditions and the Distribution and Productivity of Highly Migratory Species (Oct. 2015-2018)

Administrative matters

ISC Leadership Changes

- John Holmes reelected as ALBWG Chair for 1 year
- Gerard DiNardo reelected as ISC Chair for 1 Year-
POSITIVELY LAST YEAR!

ISC17

- Canada, July 2017

Future Activities (2016-2017)

- **Pacific Bluefin Tuna WG**

- Feb./March 2017 – Research planning
- July 2017 – Review

- **Billfish WG**

- Dec. 2016 – Research webinar
- March 2017 – Research planning

Future Activities (2016-2018)

●Shark WG

- Sept. 2016 – Blue shark data preparation webinar
- Nov. 2016 – Blue shark data prep
- March 2017 – Blue shark stock assessment

●Albacore WG

- Nov. 2016 – Data prep
- April 2017 – Stock assessment

●International Workshop on Indicators (2017-2018)

- Work with RFMOs and other scientific organizations to co-convene this workshop

SC-12 Presentations

- **Pacific Bluefin Tuna – S. Kakatsuka**
- **Pacific Blue Marlin – J. Brodziak**

THANKS!

