

# OVERVIEW OF THE EVALUATION OF MANAGEMENT PROCEDURES IN THE IOTC

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MPD02 - 26 April 2015



iotc ctoi

# Working Party on Methods



- ▶ To review and analyse methodological issues relevant to the assessment of the status of species under the IOTC mandate (outcomes are usually applicable to many of the other Working Parties).

The screenshot shows the IOTC website with the following layout:

- Header:** Indian Ocean Tuna Commission / Commission des Thons de l'Océan Indien. Navigation tabs: Home, The Commission, **Science**, Compliance, Data, Meetings, Documents, Visuals, StatDoc.
- Left Sidebar (SCIENCE):**
  - Scientific Committee
  - Status of the stocks
  - Working Parties - Science
  - Regional Observer Scheme
  - Science Capacity Building
  - IOTC Science Glossary
  - Invited Experts and Consultants
- QUICK LINKS:**
  - Home
  - Stock Status Dashboard
  - Conservation and Management Measures
    - Basic Searches
    - Advanced Searches
  - Meeting records
  - RTU list
  - Capacity building
    - Data
    - Science
    - Compliance
  - CTOI Overview
- WORKING PARTY ON METHODS (WPM):**
  - Purpose:** To review and analyse methodological issues relevant to the assessment of the status of species under the IOTC mandate (outcomes are usually applicable to many of the other Working Parties).
  - Current workplan:** The current program of work for the Working Party on Methods, as endorsed by the Scientific Committee at its most recent Session.
  - Current Chairperson:** Dr. Iago Mosqueira (ES), 2<sup>nd</sup> term ends at the close of the WPM in 2015. (Image of Dr. Mosqueira)
  - Current Vice-Chairperson:** Dr. Toshihide Kishiyasu (Japan), 3<sup>rd</sup> term ends at the close of the WPM in 2015. (Image of Dr. Kishiyasu)
  - UPCOMING MEETING:** 2015-10-19 (AI day) to 2015-10-21 (AI day)  
4th Working Party on Methods (WPM4th)  
Montpellier, France

# WPM MSE Timeline



2012

- ▶ WPM04 (OCT)

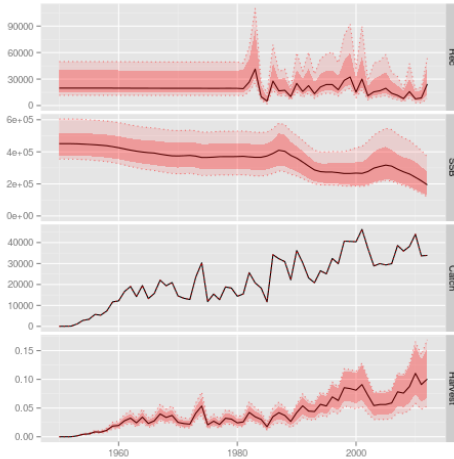
2013

- ▶ WPM MSE01 (APR)
- ▶ WPM MSE02 (OCT)

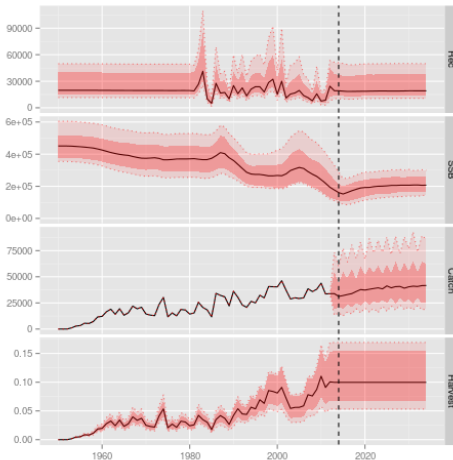
2014

- ▶ WPM MSE03 (MAR)
- ▶ WPM05 (DEC)

► Base OM

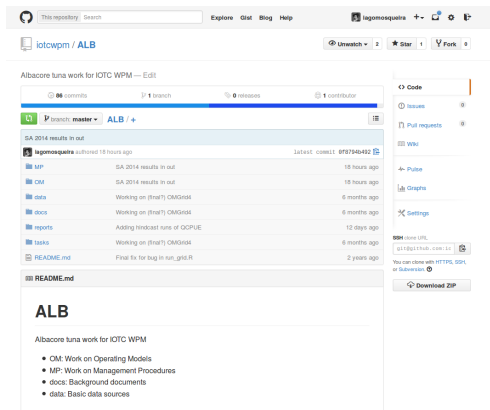


- ▶ Base OM
- ▶ Tests initial MPs



- ▶ Simulation framework

- ▶ Base OM
- ▶ Tests initial MPs
- ▶ Simulation framework



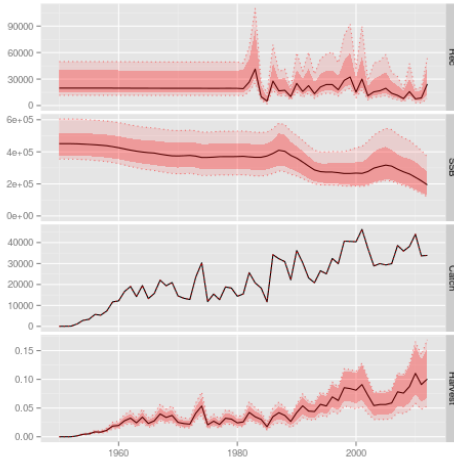
The screenshot shows the GitHub repository page for `iotcwpm / ALB`. The repository is owned by `lagomosquira` and has 2 Unwatch, 1 Star, and 0 Forks. The main content area displays the repository's structure with a table of files and their commit history.

File	Commit Message	Time Ago
SA 2014 results in out	SA 2014 results in out	18 hours ago
MP	SA 2014 results in out	18 hours ago
CM	SA 2014 results in out	18 hours ago
data	Working on (final) CMGrid4	6 months ago
docs	Working on (final) CMGrid4	6 months ago
reports	Adding hindcast runs of OGPIUE	12 days ago
tasks	Working on (final) CMGrid4	6 months ago
README.md	Final fix for bug in run_grid.R	2 years ago

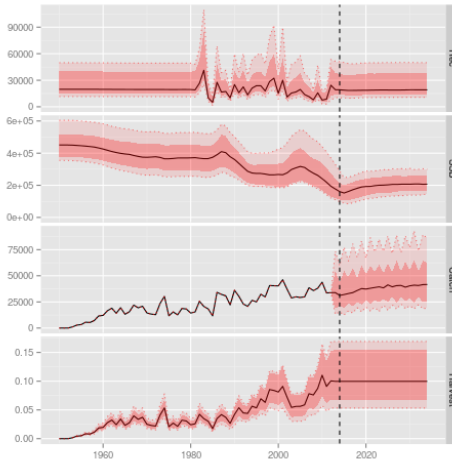
The `README.md` file is expanded, showing the title **ALB** and the description: "Albacore tuna work for IOTC WPM". It lists the following components:

- CM: Work on Operating Models
- MP: Work on Management Procedures
- docs: Background documents
- data: Basic data sources

► Base OM



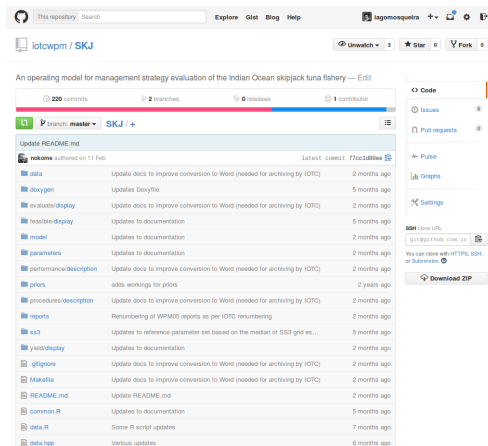
- ▶ Base OM
- ▶ Tests initial MPs



- ▶ Simulation framework



- ▶ Base OM
- ▶ Tests initial MPs
- ▶ Simulation framework



The screenshot shows the GitHub repository page for 'iotcwpm / SKJ'. The repository is described as 'An operating model for management strategy evaluation of the Indian Ocean skipjack tuna fishery'. It has 220 commits, 2 branches, 0 releases, and 1 contributor. The 'master' branch is selected. A list of files and their update history is shown:

File	Description	Last Update
data	Update docs to improve conversion to Word (needed for archiving by IOTC)	2 months ago
doxygen	Updates Doxyfile	5 months ago
evaluator/display	Update docs to improve conversion to Word (needed for archiving by IOTC)	2 months ago
feasible/display	Updates to documentation	5 months ago
model	Updates to documentation	2 months ago
parameters	Updates to documentation	2 months ago
performance/description	Update docs to improve conversion to Word (needed for archiving by IOTC)	2 months ago
priors	adds workings for priors	2 years ago
procedures/description	Update docs to improve conversion to Word (needed for archiving by IOTC)	2 months ago
reports	Renumbering of WPM05 reports as per IOTC renumbering	2 months ago
ss3	Updates to reference parameter set based on the median of SS3 grid es...	5 months ago
yield/display	Updates to documentation	2 months ago
gtignore	Update docs to improve conversion to Word (needed for archiving by IOTC)	2 months ago
Makefile	Update docs to improve conversion to Word (needed for archiving by IOTC)	2 months ago
README.md	Update README.md	2 months ago
common.R	Updates to documentation	5 months ago
data.R	Some R script updates	7 months ago
data.hpp	Various updates	6 months ago

On the right side, there are links for 'Code', 'Issues', 'Pull requests', 'Pulse', 'Graphs', and 'Settings'. At the bottom, there is a 'Download ZIP' button.

- ▶ Initial proposal
- ▶ Funding source and contract for leading team

# Programme of Work 2015



## ALB & SKJ

- ▶ Finalise OMs
- ▶ Alternative MPs
- ▶ Complete set of runs
  - ▶ Comparison of MPs across objectives
  - ▶ Trade-offs
- ▶ WPM06 - OCT 2015

## BET & YFT

- ▶ Initial OMs

## Presentation tools

- ▶ Deadlines in Resolution 14/03
- ▶ **SC RECOMMENDED** that the Commission fully fund the work needed to support its requirement to achieve its objectives in particular facilitating the implementation of Resolution 12/01 (SC-2014-SC17-R, Page 340)

# Future steps



## Meetings

- ▶ WPM MSE04 (MAY 2015)
- ▶ WPM06 (OCT 2015)

## Peer Review ALB & SKJ

- ▶ Internal Peer Review
  - ▶ WPM/SC members w/ model authors
- ▶ External Peer Review
  - ▶ Invited experts

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