
DRAFT AGENDA FOR THE INDIAN OCEAN SHARK YEAR PROGRAM
(IO-ShYP01) WORKSHOP

Last updated: 5 May 2014

Date: 14–16 May 2014

Location: IPMA Building, Olhão Portugal

Time: 09:00 – 17:00 daily

Coordinators: Dr. Miguel Neves dos Santos; Dr. Rui Coelho; Dr David Wilson

In 2014 the IOTC Scientific Committee recommended that a detailed multiyear shark research program be prepared by a small group of shark experts and the IOTC Secretariat, to further advance, detail and propose an Indian Ocean Shark multi-Year Program (IO–ShYP) for finalisation at the next WPEB meeting (see SC recommendation SC16.33). The main objective of the IO–ShYP will be to “*promote cooperation and coordination among IOTC researchers, to improve the quality of the scientific advice on sharks provided to the Commission, namely by conducting quantitative stock assessments for selected species by 2016, and to better assess the impact on shark stocks of the current IOTC Conservation and Management Measures.*”

Participants to the meeting will compile the current information available, identify major gaps in knowledge, and establish priorities for future research and cooperation among IOTC scientists and other groups.

1. **OPENING OF THE SESSION** (Coordinators)
2. **REVIEW OF THE CURRENT INFORMATION AVAILABLE (FISHERIES, DATA COLLECTION) AND IDENTIFY MAJOR GAPS** [Task leader: Hilario Murua (AZTI); Support: Kotaro Yokawa (NRIFS), IOTC Secretariat and all regional participants]
 - 2.1 Fleet and gear characterisation
 - 2.2 Fleet dynamics
 - 2.3 Data needs [Catch (landings and discards), effort, CPUEs series; gear selectivity; catch-at-size/age; Data mining/recover of historical data sets for sharks]
 - 2.4 Trade data
 - 2.5 Observer programs (design and implementation)
3. **REVIEW OF THE CURRENT AVAILABLE INFORMATION IN TERMS OF BIOLOGICAL AND ECOLOGICAL KNOWLEDGE OF THE SEVEN MAJOR SHARK SPECIES (BSH, SMA, OCS, FAL, SPL, PTH AND BTH)** [Task leader: Rui Coelho (IPMA); Support: Evgeny Romanov (CAP RUN - ARDA)]
 - 3.1 Life history traits (age and growth; reproduction; mortality)
 - 3.2 Stock structure, range and distribution (tagging and genetics)
 - 3.3 Habitat use and migrations
 - 3.4 Morphometrics and conversion factors for shark products
4. **REVIEW OF THE CURRENT AVAILABLE AND IMPLEMENTED MITIGATION MEASURES, INCLUDING BEST PRACTICE CODES/PROCEDURES, IN TERMS OF REDUCING SHARK BYCATCH AND INCIDENTAL MORTALITY** [Task leader: Evgeny Romanov (CAP RUN - ARDA); Support: Miguel N Santos (IPMA); David Wilson]
 - 4.1 Operational and technological aspects (Gillnet; Longline; Purse seine)
 - 4.2 Best practices
5. **REVIEW OF THE MOST APPROPRIATE ASSESSMENT METHODS THAT COULD BE USED ON THE MAIN SHARK SPECIES, AS WELL AS THE POTENTIAL USE OF OTHER INDICATORS AS ALTERNATIVES TO TRADITIONAL STOCK ASSESSMENT APPROACHES** [Task leader: Tom Nishida (SC Chair); Support: IOTC Secretariat; Rui Coelho (IPMA); other experts via correspondence]
 - 5.1 Stock status indicators
 - 5.1.1 CPUE standardisation

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- 5.1.2 Demographic analysis
 - 5.2 Stock assessment approaches
 - 5.2.1 Data-poor assessment approaches
 - Ecological Risk Assessment – Productivity Susceptibility Analysis
 - Stock Reduction Analysis
 - Catch free models
 - 5.2.2 Weight-of-Evidence approach to stock status determination
 - 5.2.3 Fully-quantitative approaches
 - 6. IDENTIFY MAJOR NEEDS IN TERMS OF CAPACITY BUILDING, AIMING TO BRING THE QUALITY AND QUANTITY OF DATA UP TO MINIMUM IOTC STANDARDS** [Task leader: David Wilson; Support: Reza Shahifar (I.R. Iran); Juma Almamry & Ismail AlFarsi (Oman); Mr Mohammad Noor (Pakistan); Wetjens Dimmlich (WWF)]
 - 6.1 Data collection
 - 6.2 Verification / Regional Observer Scheme
 - 6.3 Reporting
 - 7. PRIORITISE DATA COLLECTION AND RESEARCH ON SHARK SPECIES, BEARING IN MIND THE SC SCHEDULE OF ASSESSMENT (BSH – INDICATORS IN 2014, FULL ASSESSMENT IN 2015; OCS - INDICATORS IN 2014, FULL ASSESSMENT IN 2016; SPL: - INDICATORS IN 2015; FAL - INDICATORS IN 2015; SMA – INDICATORS IN 2016; PTH – INDICATORS IN 2016; BTH – INDICATORS IN 2017)** [Task leader: Miguel N Santos (IPMA); Support: Tom Nishida (SC Chair); Rui Coelho (Chair WPEB); David Wilson (IOTC Secretariat)]
 - 7.1 Fisheries and data collection
 - 7.2 Shark biology and ecology
 - 7.3 Indicators and assessment methods
 - 7.4 Mitigation measures
 - 7.5 Capacity building
 - 8. IDENTIFICATION OF POTENTIAL FUNDING SOURCES AND APPLICATION PROCEDURES** [Task leader: David Wilson; Support: Wetjens Dimmlich (WWF)]
 - 9. REVIEW OF THE DRAFT INDIAN OCEAN SHARK YEAR PROGRAM (IO-ShYP) FOR SUBMISSION TO THE WPEB IN 2014** (Coordinators)
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