

Annex B

Agenda

1. Introductory items
 - 1.1 Chair's welcome and opening remarks
 - 1.2 Appointment of Rapporteurs
 - 1.3 Meeting procedures and time schedule
 - 1.4 Establishment of sub-committees and working groups
 - 1.5 Computing arrangements
2. Adoption of Agenda
3. Review of available data, documents and reports
 - 3.1 Documents submitted
 - 3.2 National Progress Reports on research
 - 3.3 Data collection, storage and manipulation
4. Cooperation with other organisations
 - 4.1 African States Bordering the Atlantic Ocean (ATLAFCO)
 - 4.2 Arctic Council
 - 4.3 Convention on Biological Diversity (CBD)
 - 4.4 Convention for the Conservation of Antarctic Marine Living Resources (CCAMLR)
 - 4.5 Convention on the Conservation of Migratory Species (CMS)
 - 4.5.1 Scientific Council
 - 4.5.2 Conference of Parties (COP)
 - 4.5.3 Agreement on Small Cetaceans of the Baltic and North Seas (ASCOBANS)
 - 4.5.4 Agreement on the Conservation of Cetaceans of the Black Sea, Mediterranean Sea and Contiguous Atlantic Area (ACCOBAMS)
 - 4.6 Convention on International Trade in En-dangered Species of Wild Flora and Fauna (CITES)
 - 4.7 Food and Agriculture Organisation of the United Nations (FAO)
 - 4.8 Inter-American Tropical Tuna Commission (IATTC)
 - 4.8.1 Agreement on the International Dolphin Conservation Program (AIDCP)
 - 4.9 International Committee on Marine Protected Areas (ICMMPA)
 - 4.10 International Council for the Exploration of the Sea (ICES)
 - 4.11 International Maritime Organization (IMO)
 - 4.12 International Union for the Conservation of Nature (IUCN)
 - 4.13 North Atlantic Marine Mammal Commission (NAMMCO)
 - 4.14 North Pacific Marine Science Organization (PICES)
 - 4.15 Protocol on Specially Protected Areas and Wildlife of the Cartagena Convention for the Wider Caribbean (SPAW)
5. General assessment issues with a focus on those related to the Revised Management Procedure (RMP)
 - 5.1 Evaluate the energetics based model and the relationship between $MSYR_{1+}$ and $MSYR_{mat}$
 - 5.2 Implications of *ISTs* for consideration of species' and populations' status
 - 5.3 General consideration of how to evaluate the effect of special permit catches on stocks
 - 5.4 Work plan 2019-20
6. RMP – *Implementation*-related matters
 - 6.1 Completion of the Implementation Review of western North Pacific Bryde's whales
 - 6.2 Start of the Implementation Review of western North Pacific common minke whales
 - 6.3 Work plan 2019-20
7. Aboriginal Subsistence Whaling Management Procedure (AWMP)
 - 7.1 *SLA* development for the Greenlandic hunts
 - 7.1.1 Fin whales
 - 7.1.2 Common minke whales
 - 7.1.3 Bowhead whales
 - 7.2 Aboriginal whaling management scheme
 - 7.3 Implementation Review
 - 7.3.1 B-C-B bowhead whales
 - 7.3.2 Review schedule for next six years
 - 7.4 Work plan 2019-20
8. Stocks subject to aboriginal subsistence whaling including management advice (AWMP)
 - 8.1 Eastern Canada and West Greenland bowhead whales
 - 8.2 North Pacific gray whales
 - 8.3 Bering-Chukchi-Beaufort Seas bowhead whale
 - 8.4 Common minke whale stocks off East Greenland
 - 8.5 Common minke whale stocks off West Greenland
 - 8.6 Fin whales off West Greenland
 - 8.7 Humpback whales off West Greenland
 - 8.8 Humpback whales off St Vincent and The Grenadines
9. Whale stocks not subject to directed takes
 - 9.1 In-depth Assessments (IA)
 - 9.1.1 Comprehensive assessment of North Pacific humpback whales
 - 9.1.2 In-Depth Assessment of North Pacific sei whale
 - 9.1.3 In-Depth Assessment of Indo-Pacific Antarctic minke whales
 - 9.1.4 Work plan 2019-20
 - 9.2 Evaluation for potential new In-Depth Assessments
 - 9.2.1 North Pacific blue whales
 - 9.2.2 Non-Antarctic Southern Hemisphere blue whales
 - 9.2.3 Antarctic blue whales (Areas III and IV)
 - 9.2.4 Southern Hemisphere fin whales
 - 9.2.5 North Atlantic sei whales
 - 9.2.6 North Atlantic right whales
 - 9.2.7 North Pacific right whales
 - 9.2.8 Work plan 2019-20
 - 9.3 New information and work plan for other Northern stocks
 - 9.3.1 North Pacific fin whales
 - 9.3.2 Omura's whale

- 9.3.3 North Atlantic Bryde's whales
- 9.3.4 North Atlantic blue whales
- 9.3.5 North Atlantic humpback whales
- 9.3.6 North Atlantic bowhead whales not subject to aboriginal subsistence whaling
- 9.3.7 North Pacific bowhead whales not subject to aboriginal subsistence whaling
- 9.3.8 North Pacific sperm whales
- 9.3.9 Other stocks- Northern Indian Ocean sperm whales
- 9.3.10 Work plan 2019-20
- 9.4 New information and work plan for other Southern stocks
 - 9.4.1 Southern Hemisphere sei whales
 - 9.4.2 Southern Hemisphere humpback whales
 - 9.4.3 Southern Hemisphere right whales not the subject of CMPs
 - 9.4.4 Antarctic minke whales
 - 9.4.5 Dwarf minke whales
 - 9.4.6 Southern Hemisphere Bryde's whales
 - 9.4.7 Southern Hemisphere sperm whales
 - 9.4.8 Work plan 2019-20
- 10. Stocks that are or have been suggested to be the subject of Conservation Management Plans (CMPs)
 - 10.1 Stocks with existing CMPs
 - 10.1.1 South East Pacific southern right whales
 - 10.1.2 South West Atlantic southern right whales
 - 10.1.3 North Pacific gray whales
 - 10.1.4 Franciscana
 - 10.2 Progress with identified priorities
 - 10.2.1 Humpback whales in the northern Indian Ocean including the Arabian Sea
 - 10.2.2 Other species/populations
 - 10.3 Work plan 2019-20
- 11. Stock definition and DNA testing
 - 11.1 DNA testing
 - 11.1.1 Genetic methods for species, stock and individual identification
 - 11.1.2 'Amendments' of sequences deposited in *GenBank*
 - 11.1.3 Collection and archiving of tissue samples from catches and bycatches
 - 11.1.4 Reference databases and standards for diagnostic DNA registries
 - 11.2 Guidelines for DNA data quality and genetic analyses
 - 11.2.1 Update DNA quality guidelines to include discussion of NGS data
 - 11.3 New statistical and genetic issues concerning stock definition
 - 11.3.1 Simulation tools for spatial structuring (e.g. TOSSM)
 - 11.3.2 PCA, DAPC, and related methods
 - 11.3.3 Terminology
 - 11.3.4 Close-kin mark-recapture
 - 11.3.5 Epigenetic ageing
 - 11.4 Update on previous recommendations
 - 11.5 Work plan 2019-20
- 12. Cetacean abundance estimates, stock status
 - 12.1 Summary of abundance estimates and update of IWC consolidated table
- 12.2 Methodological issues
 - 12.2.1 Model-based abundance estimates (and amendments to RMP Guidelines)
 - 12.2.2 Review new survey techniques/equipment
- 12.3 Consideration of status of stocks
- 12.4 Update on previous recommendations
- 12.5 Work plan
- 13. Bycatch and entanglements
 - 13.1 Review new estimates of entanglement rates, risks and mortality (large whales)
 - 13.2 Reporting of entanglements and bycatch in National Progress Reports
 - 13.3 Mitigation measures for preventing large whale entanglement
 - 13.4 Review proposal for global entanglement database
 - 13.5 Estimation of rates of bycatch, risks of, and mortality for small cetaceans
 - 13.6 Scientific aspects of mitigation measures for small cetaceans
 - 13.6.1 The IWC Bycatch Mitigation Initiative
 - 13.6.2 Collaboration with FAO on bycatch related issues
 - 13.6.3 Measures to mitigate bycatch of small cetaceans
 - 13.7 New information on cetacean bycatch in the Western, Central and Northern Indian Ocean
 - 13.8 Update on previous recommendations
 - 13.9 Work plan 2019-20
- 14. Ship strikes
 - 14.1 Review estimates of rates of ship strikes, risk of ship strikes and mortality
 - 14.1.1 Review progress on ship strike database
 - 14.2 Mitigation of ship strikes in high risk areas
 - 14.2.1 Review progress towards assessing and mitigating ship strikes in previously identified high risk areas
 - 14.2.2 Consideration of methods to identify 'high risk' areas
 - 14.3 Co-operation with IMO Secretariat and relevant IMO committees
 - 14.4 Update on previous recommendations
 - 14.5 Work plan 2019-20
- 15. Environmental concerns
 - 15.1 Pollution 2020
 - 15.1.1 Review on intersessional progress on the pollution 2020 project
 - 15.1.2 Report on mercury in cetaceans
 - 15.1.3 Impact of heavy fuel oils on cetaceans
 - 15.2 Cumulative impacts
 - 15.3 Diseases of concern
 - 15.4 Strandings and mortality events
 - 15.4.1 Update on the IWC Strandings Initiative
 - 15.4.2 New information on unusual mortality events
 - 15.5 Noise
 - 15.6 State of the Cetacean Environment Report – SOCER
 - 15.7 Update on other stranding topics
 - 15.7.1 Marine Debris
 - 15.7.2 Climate change
 - 15.8 Update on previous recommendations
 - 15.9 Work plan 2019-20

16. Ecosystem modelling
 - 16.1 Co-operation with CCAMLR on multispecies modelling
 - 16.1.1 Review ecosystem modelling in the Antarctic Ocean
 - 16.1.2 Update on cooperation with CCAMLR, including the plan for a joint SC-CAMLR-IWC SC workshop
 - 16.2 Applications of species distribution models (SDMS) and ensemble averaging
 - 16.2.1 Review progress of guideline for SDMs
 - 16.2.2 Review progress of work on SDMs and ensemble modelling
 - 16.3 Modelling of competition among whales
 - 16.4 Standing topics
 - 16.4.1 Effects of long-term environmental variability on whale populations
 - 16.4.2 Update on body condition analyses for the Antarctic minke whales
 - 16.4.3 Review the information on krill distribution and abundance by NEWREP-A
 - 16.4.4 Ecosystem services
 - 16.5 Update on previous recommendations
 - 16.8 Work plan 2019-20
17. Small cetaceans
 - 17.1 Review of small cetaceans in rivers and estuaries of South America
 - 17.1.1 Boto
 - 17.1.2 Tucuxi
 - 17.1.3 Franciscana
 - 17.1.4 Common bottlenose dolphin
 - 17.2 Review on progress on *Tursiops* taxonomy
 - 17.3 Poorly documented hunts of small cetaceans for food, bait or cash and changing patterns of use
 - 17.3.1 Workshop results
 - 17.3.2 Future plans
 - 17.4 Small cetacean task team
 - 17.4.1 Progress on South Asian river dolphins Task Team
 - 17.4.2 How to address emerging issues within the sub-committee
 - 17.5 Review takes of small cetaceans
 - 17.5.1 New information on direct takes and live captures
 - 17.6 Update on previous recommendations
 - 17.6.1 Māui dolphin
 - 17.6.2 Vaquita
 - 17.7 Status of the voluntary fund for small cetacean conservation research
 - 17.8 Work plan 2019-20
18. Whale watching
 - 18.1 Assess the impacts of whalewatching and swim-with-whale operations on cetaceans
 - 18.1.1 Review report of the workshop on Modelling and Assessment of Whale Watching Impacts (MAWI)
 - 18.1.2 Studies on assessing impacts
 - 18.1.3 Potential case-studies: status of whale watching in east Africa and wider Indian Ocean
 - 18.2 Five-year strategic plan and joint work with Conservation Committee
 - 18.2.1 Recommendation on the Conservation Committee new five-year strategic plan for whale watching
 - 18.2.2 Recommendation on the online Whale Watching Handbook
 - 18.2.3 Revised Terms of Reference for the sub-committee on whale watching
 - 18.2.4 Update on the Carole Carlson Memorial Whale Watching Fund
 - 18.3 Platform of opportunity data
 - 18.3.1 Provide advice and recommended practice
 - 18.4 Update on any previous recommendations
 - 18.5 Work plan 2019-20
19. Special permits
 - 19.1 General considerations on improving the evaluation process
 - 19.2 NEWREP-A
 - 19.2.1 Report on ongoing research
 - 19.2.2 Update on previous recommendations
 - 19.2.3 Committee conclusions and recommendations
 - 19.3 JARPN II
 - 19.3.1 Update on previous recommendations
 - 19.3.2 Committee conclusions and recommendations
 - 19.4 NEWREP-NP
 - 19.4.1 Report on ongoing research
 - 19.4.2 Update on previous recommendations
 - 19.4.3 Committee conclusions and recommendations
 - 19.5 Work plan 2019-20
20. Whale sanctuaries
 - 20.1 Review of the Southern Ocean Sanctuary Management Plan
21. Satellite tagging development and best practices
22. IWC list of recognised species
23. IWC databases and catalogues
 - 23.1 Guidelines for IWC catalogues and photo-ID databases
 - 23.2 Progress with existing or proposed new catalogues
 - 23.2.1 Integration of eastern South and Central Pacific blue, humpback, and fin whale photo-catalogues
 - 23.2.2 Southern Hemisphere and Indian Ocean humpback whales: catalogues
 - 23.2.2.1 Antarctic Humpback Whale Catalogue (AHWC)
 - 23.2.2.2 Arabian Sea Whale Network's Flukebook
 - 23.2.3 Southern Hemisphere Antarctic and pygmy blue whales: catalogues and databases
 - 23.2.3.1 Southern Hemisphere Blue Whale Catalogue (SHBWC)
 - 23.2.3.2 Antarctic Blue Whale Catalogue (ABWC)
 - 23.2.4 Southern Hemisphere fin whale photo catalogues

- 23.3 Progress with existing IWC databases
 - 23.3.1 IWC catch database
 - 23.3.2 National Progress Report database
 - 23.4 Potential future IWC databases
 - 23.4.1 Global database for disentanglement activities
 - 23.4.2 Global bycatch database
 - 23.4.3 Development of simple technical guidelines for new proposals
 - 24. IWC multinational research programmes
 - 24.1 IWC-POWER
 - 24.2 Southern Ocean Research Partnership (IWC-SORP)
 - 24.3 National cruises that require IWC oversight
 - 25. Scientific Committee budget for the current biennium
 - 25.1 Status of previously funded research, workshop proposals, data processing and computing needs
 - 25.1.1 Funded proposals for the current biennium
 - 25.1.2 Funded proposals in previous years still ongoing
 - 25.1.3 Report on funds reallocations and contingencies for the Research Fund, Voluntary Fund for Small Cetaceans and SORP Voluntary Fund
 - 26. Committee priorities and initial agenda for the biennium 2019-20
 - 27. Scientific Committee budget for the biennium 2019-20
 - 27.1 Budget for the next biennium
 - 27.1.1 Invited participants
 - 27.1.2 Workshops
 - 27.1.3 Modelling/computing
 - 27.1.4 Databases/catalogues
 - 27.1.5 Reports
 - 28. Working methods of the Committee
 - 28.1 Rules of Procedure of the Scientific Committee
 - 28.2 Biennial reporting and related matters
 - 28.3 Additional proposals for revisions to 'Annex P'
 - 28.4 Succession plan for key Scientific Committee experts
 - 28.5 Update on Data Availability requests
 - 28.6 Any other matters
 - 29. Publications
 - 30. Election of Officers
 - 31. Adoption of Report
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