

REPORT OF THE ADVISORY PANEL ON *STATUS, OUTLOOKS, FORECASTS AND ENGAGEMENT*

The Advisory Panel on *Status, Outlooks, Forecasts and Engagement* (hereafter SOFE-AP) was established at PICES 2009 as part of the implementation of the FUTURE (Forecasting and Understanding Trends, Uncertainty and Responses of North Pacific Marine Ecosystems) program. All three FUTURE Advisory Panels (Advisory Panel on *Anthropogenic Influences on Coastal Ecosystems* – AICE-AP, Advisory Panel on Climate, Oceanographic Variability and Ecosystems – COVE-AP, and SOFE-AP) had a brief inaugural meeting (individually and in aggregate) at PICES-2009. The Chairmen of the three FUTURE Advisory Panels met again for one full day as part of the Inter-sessional Science Board Meeting (ISB-2010) held from April 23–24, 2010, in Sendai, Japan to review the draft work plans for the Advisory Panels and to clarify the process for revising terms of reference for existing expert groups and approving new expert groups to meet FUTURE goals. The Advisory Panels met for an inter-sessional workshop from August 16–18, 2010, in Seoul, Korea, to (1) identify priority topics and activities for FUTURE's first triennium (2010–2012) and (2) discuss the potential for existing and new expert groups to address these priorities; attendance (across all three FUTURE Advisory Panels) was limited.

The meeting of the SOFE-AP was held from 09:00–12:30 h on October 22, 2010, followed by a joint meeting of the three FUTURE Advisory Panels from 14:00–18:00 h on October 22, 2010. The Chairman, Mr. Robin Brown, welcomed members and observers (*SOFE-AP Endnote 1*). Dr. Phillip R. Mundy served as rapporteur. Several changes were made to the draft agenda. A revised agenda was adopted (*SOFE-AP Endnote 2*).

AGENDA ITEM 2

Review of SOFE-AP Terms of Reference

SOFE-AP members reviewed their draft Terms of Reference and accepted this version (*SOFE-AP Endnote 3*).

AGENDA ITEM 3

Review and update workplan

The workplan was expected to be completed by the end of the year.

AGENDA ITEM 4

Review of progress and reports of key expert groups

The Chairman provided a brief report on the inter-sessional FUTURE workshop that took place August 16–18, 2010 in Seoul, Korea (http://www.pices.int/members/scientific_programs/FUTURE/Materials/2010-inter-sessional-FUTURE/Day%203/SOFE-AP%20Report.pdf).

SOFE-AP reviewed the draft final report and a summary presentation from the Study Group on *Communications* (SG-COM; Agenda item 4a). The Advisory Panel agreed with most of the recommendations of SG-COM and included many of these recommendations in the draft workplan. The Advisory Panel supported the concerns raised by SG-COM that a significant new focus on engagement/outreach will stress/overload the current capacity and expertise of the PICES as it is currently configured.

The progress of the Study Group on *Human Dimensions* (SG-HD) and potential follow-on expert groups was reviewed and discussed (Agenda Item 4b). SOFE-AP recommended that it was premature to recommend any

follow-on activities from SG-HD at this time, but anticipate that a recommendation on a future Human Dimension expert group will be developed in the period prior to PICES-2011.

Ms. Nora Deans, Communications and Outreach Director from the North Pacific Research Board, provided a stimulating presentation outlining the outreach/engagement strategy and tools of the North Pacific Research Board (Agenda Item 5b). She outlined some outreach tools, including Research Summaries (10–20 pages) (<http://www.nprb.org/education/summaries.html>) and Project Synopses (2 pages) (<http://www.nprb.org/education/synopses.html>) and noted that these publications had a lot of uptake by diverse audiences. SOFE-AP members found this to be a most useful presentation and expressed their appreciation for the contribution from Ms. Deans and the North Pacific Research Board.

A report from the Joint PICES/ICES Working Group on Forecasting Climate Change Impacts on Fish and Shellfish (WG-FCCIFS), was presented by its Co-Chairman, Dr. Anne Hollowed.

AGENDA ITEM 5

Identification of high priority topics

Panel members supported the completion of the “poll” of PICES members on their views on priorities (Agenda Item 5a). This work was begun at the 2010 Inter-sessional FUTURE Workshop held August 16–18, 2010 in Seoul, Korea.

SOFE-AP strongly supported the proposed inter-sessional FUTURE Workshop on “*Indicators of status and change within North Pacific marine ecosystems*” and drew special attention to the issues of resilience and vulnerability. These are specifically included in the FUTURE Science Plan and are relatively new focus areas within PICES (and elsewhere). SOFE-AP anticipates that presentations at this Workshop will influence priority setting for future expert groups.

Dr. Skip McKinnell, Deputy Executive Secretary of PICES, reviewed progress on the PICES report on aspects of the marine ecosystem relevant to the declining productivity/returns of sockeye salmon returning to the Fraser River. This report was commissioned by the Cohen Commission of Inquiry in Canada.

AGENDA ITEM 6

Mechanisms to address high priority topics Creation of expert groups

Existing expert groups

- The continuation/renewal of the Section on *Carbon and Climate* was strongly supported. SOFE-AP looks forward to working with the Section to clarify any SOFE-related deliverables (status reports, outlooks, forecasts).
- SOFE-AP members were strongly supportive of the progress made by WG-FCCIFS and recommended that much of this work needs to continue as a major thrust within FUTURE. Specific recommendations on the exact form of this “follow-on” work was deferred, due to the upcoming PICES/ICES meeting (in conjunction with the proposed Inter-sessional Science Board Meeting in 2011) on how to coordinate this activity in the future.

New expert groups

Discussion of the formation of new expert groups was conducted at various points in the agenda. SOFE-AP recommendations are summarized as follows:

- The proposed working group on “Jellyfish Blooms around the North Pacific Rim: Causes and Consequences” is supported. SOFE-AP looks forward to working with the new group to clarify SOFE-related deliverables (status reports, outlooks, forecasts).

- As noted in Agenda Item 4, the need for some follow-on activity for the Study Group on *Human Dimensions* was acknowledged, but it was recognized that it was premature to specify the Terms of Reference for such a group at this time.

AGENDA ITEM 7

Linkages to the other FUTURE Advisory Panels

Interaction and communication issues with the other FUTURE Advisory Panels, and with Committees and Science Board were briefly noted and it was acknowledged that there have been some (predictable) teething pains.

AGENDA ITEM 8

Potential second inter-sessional FUTURE workshop

SOFE-AP supported holding a second FUTURE workshop on ecosystem indicators, resilience and vulnerability. The Panel felt the proposed workshop would build well on previous activities, including the results for Working Group on *Ecosystem-based Management Science and its Application to the North Pacific* (WG 19) and PICES co-sponsored International Symposium on “Quantitative ecosystem indicators for fisheries management” held in Paris, France from March 31–April 3, 2004.

AGENDA ITEM 9

Potential Topic Sessions for PICES-2011 in Khabarovsk, Russia

The Panel agreed that all Topic Sessions will still be proposed via Committees to Science Board..

AGENDA ITEM 10

Actions for SOFE-AP

- develop and complete a more specific workplan,
- PICES outreach and engagement – at present, focus on ocean management organizations, agencies and decision makers and the broader science community,
- investigate potential mechanisms for communication.

AGENDA ITEM 11

Other issues

No other issues were discussed.

SOFE-AP Endnote 1

SOFE-AP participation list

Members

Robin Brown(Canada, Chairman)
Dr. Shin-ichi Ito (Japan)
Dr. Oleg Katugin (Russia)
Prof. Chang-Ik Zhang (Korea)
Dr. Hal Batchelder (U.S.A.)
Dr. Phillip Mundy (U.S.A.)

Observers

Ms. Nora Deans (U.S.A.)
Mr. Brian Voss (U.S.A.)
Dr. Michael Dagg (U.S.A.)
Dr. Anne Hollowed (U.S.A.)
Dr. Sukgeun Jung (Korea)
Dr. Sinjae Yoo (PICES)
Dr. Skip McKinnell (PICES)
Dr. Guimei Liu (China)

SOFE-AP Endnote 2

SOFE-AP meeting agenda

- 1) Welcome, introductions, opening remarks (Appendix 1: Membership)
- 2) Review SOFE Advisory Panel Terms of Reference (Appendix 2: SOFE-AP Terms of Reference)
- 3) Review and Update workplan (Appendix 3: Draft workplan)
- 4) Report from the FUTURE Intersessional Meeting - (Seoul, Aug. 2010 Appendix 4: Report from Interim Meeting and ATTACHMENT 1: SOFE-AP –Aug 18 2010.PPT)
 - a. Report from the Study Group on Communications (Appendix 5: PICES WG-COMMUNICATIONS Draft Final report and ATTACHMENT 2: SG-COM-2009.PPT)
 - b. Review progress of the Study Group on Human Dimensions
 - c. Engagement/Outreach strategy for the North Pacific Ecosystem Status Report (printed version coming soon; posted on the PICES web site at:
http://www.pices.int/publications/special_publications/NPESR/2010/NPESR_2010.aspx)
 - d. Peer Review – Which publications and how? (recommended reading – The Sir Muir Russell Report on leaked emails from the Climate Research Unit at the University of East Anglia - <http://www.cce-review.org/pdf/FINAL%20REPORT.pdf> – particular Appendix 5 – page -127- on Peer Review).
- 5) Identification of high priority topics
 - a. Continued discussion/population of Excel Tables started in Seoul and feedback from AP members since
 - b. Outreach – presentation by Nora Deans from the North Pacific Research Board
 - c. Cohen Commission report
- 6) Mechanisms to address high priority topics identified above
 - a. Existing Working Groups - Joint PICES/ICES Working Group on *Forecasting Climate Change Impacts on Fish and Shellfish* – Presentation/report from Dr. Anne Hollowed
 - b. Modification of ToRs of Existing Expert Groups (e.g., CC-S, HAB-S)
 - c. Creation of Expert Groups (SG, WG)
 - i. A joint ICES/PICES Theme Session on “*Surplus Production Models: Quantitative Tools to Manage Exploited Fisheries and Compare the Productivity of Marine Ecosystems*” at the 2011 ICES ASC (ATTACHED)
 - ii. An inter-sessional WMO workshop on “*Climate and Oceanic Fisheries, and Development of Climate Tools for Fisheries*” (ATTACHED).
 - iii. BIO - proposed WG on Jellyfish (Appendix 6: MISSING FROM THE ORIGINAL APPENDICES – included as attachment to this message)
- 7) Linkages to other FUTURE-APs
 - a. Anthropogenic Impacts/Coastal environment from AICE
 - b. Ecosystem Indicators with COVE
- 8) Potential second Intersessional FUTURE workshop (Spring 2011)

- 9) Potential Topic Sessions for PICES-2011 in Khabarovsk, Russia (Oct. 2011)
NOTE: Sessions will still be proposed via Committees to Science Board
- 10) Actions for SOFE-AP
 - a. Develop more specific Workplan for SOFE-AP
 - b. Working outside Annual/Intersessional Meetings
 - c. Potential Mechanisms for Communication (*e.g.*, Skype, GeoPortal)
- 11) Other issues (Roundtable)

SOFE-AP Endnote 3

FUTURE Advisory Panel on *Status, Outlooks, Forecasts and Engagement* (SOFE-AP) Terms of Reference*

1. Establish a list of specific FUTURE priority topics, activities and products for review by the Science Board;
2. Work with the existing expert groups associated with FUTURE to review and revise, if needed, their Terms of Reference;
3. Work with the Scientific and Technical Committees and the PICES community to identify gaps in the priorities and activities of the expert groups and to provide recommendations to the Science Board;
4. Coordinate with the Scientific and Technical Committees in developing Terms of Reference for new expert groups to be part of FUTURE;
5. Coordinate with the Editors of the next version of the North Pacific Ecosystem Status Report and advise on how the Report should be updated in the future;
6. Work with the Communication Study Group and the Study Group on *Human Dimensions of Environmental Change* to commence the review of user characteristics for FUTURE products;
7. Recommend expert groups to identify major sources of uncertainty and impediments to improving the skill of assessments and forecasts, suggest research areas for priority development, and provide coordination of potential PICES products;
8. Provide for a PICES final peer review on information and interpretations.

* Terms of Reference 1, 2, 3 and 4 are common to all the FUTURE Advisory Panels; 5, 6, 7 and 8 are specific to SOFE-AP