

Report of the FUTURE Advisory Panel on *Status, Outlooks, Forecasts and Engagement*

A meeting of AP-SOFE was held from 09:00–12:30 h on October 16, 2011 at PICES 2011, followed by a joint meeting of the three FUTURE Advisory Panels from 14:00–18:00 h on October 16, 2011 in Khabarovsk, Russia. The Chairman, Mr. Robin Brown, welcomed members and observers (*AP-SOFE Endnote 1*). Dr. Skip McKinnell served as rapporteur. After several changes were made to the draft agenda, a revised agenda was adopted (*AP-SOFE Endnote 2*). The Chairman drew attention to the AP-SOFE website and the supporting documents which were posted there.

AGENDA ITEM 2

Review AP-SOFE Terms of Reference

The Chairman reviewed the TORS and activities of the Advisory Panel that occurred in relation to them.

TOR 4 – new groups established at PICES-2011 will lead to a stronger implementation of FUTURE.

TOR 5 – AP-SOFE will be seeking further input at PICES-2011 and will develop ideas by the time of the inter-sessional Science Board meeting in 2012.

TOR 6 – there is a need for SOFE to liaise with the Section on *Human Dimensions*, if it is established.

Action: Track down state of Study Group on *Communications* final report.

TOR 7 – WG 27, WG27, S-CCME, S-HD

TOR 8 – Peer review: Dr. McKinnell reviewed the experience of producing and developing the Cohen Commission report. AP-SOFE agreed to place the report on the PICES website. Publication options were discussed. The Advisory Panel felt that the report should not be published in the Scientific Report series (because it is peer-reviewed). It was questioned whether or not PICES needed a new series for peer-reviewed reports. In his review, Dr. McKinnell's recommendation for the development of similar advisory reports was to identify someone as a scientific editor of the report.

No changes to the AP-SOFE were proposed.

AGENDA ITEM 3

Workplan

AP-SOFE discussed its workplan and a modified version was adopted (*AP-SOFE Endnote 3*) Specific items for discussion were:

- NPESR II outreach/engagement: The desirability of producing brochures and/or ppt files was discussed after a draft PICES PowerPoint presentation was given by the SOFE Chairman. Responses were: Korea (ppt and brochure), Russia (summary for website), Japan (ppt), China (ppt, and brochure for the public). It was agreed that the brochure should be aimed at a different (*i.e.*, public) market, for 'selling' the organization, for example. It was suggested that the Secretariat create an archive of figures on the PICES website for general use (perhaps with PICES logo).
- Public lecture: Dr. Shin-ichi Ito inquired if a public lecture on North Pacific ecosystem status could be presented at PICES- 2012. The request was favourable received.

Action: Chairman to complete a PowerPoint presentation and circulate to members for comments by December 15; Secretariat to establish a website with figures for use/re-use.

AP-SOFE-2011

- PICES Scientific Report No. 37 on Ecosystem-based Management Science and its Application to the North Pacific: The production of a brochure on this report has stalled. Ms. Patricia Livingston suggested that a draft could be put together fairly quickly from existing materials and offered to lead this activity. It was noted that the North Pacific Research Board has had good success using a two-page format for such brochures.

Action: Ms. Livingston to head activity to produce a brochure from PICES Scientific Report No. 37.

AGENDA ITEM 4

Report of the 2011 inter-sessional FUTURE workshop

The chairman referred members to the report/presentation posted on the PICES website at <http://www.pices.int/publications/presentations/2011-FUTURE-wsh/2011-FUTURE-workshop.aspx>.

AGENDA ITEM 5

Topic sessions at PICES-2012

AP-SOFE reviewed the lists proposed by the Standing Committees and identified an MEQ/FIS topic session on social-ecological systems that SOFE would like to see go forward at PICES-2012. The AP suggested that the session could be expanded from walleye pollock.

AGENDA ITEM 6

Report from WG-FCCIFS

The Co-Chair of PICES/ICES Working Group on *Forecasting Climate Change Impacts on Fish and Shellfish* (WG-FCCIFS), Dr. Anne Hollowed, presented a report on the WG activities and accomplishments. AP-SOFE was appreciative of the tremendous progress of this Working Group.

AGENDA ITEM 7

ICES/PICES Strategic Initiative on Climate Change effects on Marine Ecosystems (SICCME)

The Chairman referred members to the Science Plan and Implementation Plans posted on the FUTURE website (http://www.pices.int/members/scientific_programs/FUTURE/FUTURE-main.aspx). At the joint FUTURE Advisory Panel meeting (October 16, 2011), Dr. Hollowed presented a plan for a Strategic Initiative on Climate Change effects on Marine Ecosystems (SICCME), as a follow-on activity of WG-FCCIFS. The Panel determined that this was a key activity for the FUTURE program and strongly supported this initiative. A discussion of the best reporting structure of SICCME within PICES was deferred to Science Board.

AGENDA ITEM 8

Report and recommendations from the Study Group on *Human Dimensions* (SG-HD)

The Chair referred the Panel to the final report from SG-HD. Dr. Mitsutaku Makino presented TOR for a proposed Section on *Human Dimensions*. AP-SOFE reviewed these and strongly supported the proposal, noting that the social science research was very challenging for PICES, but is critical for the success of FUTURE.

AGENDA ITEM 9

Identification of high priority topics for FUTURE including potential Open Science Meeting in 2013

At the joint FUTURE AP meeting, there was much discussion about priority topics for FUTURE, including a proposed Open Science Meeting. Support for a proposed FUTURE OSM was not universal. Some participants thought it was premature while others felt that it might compete inappropriately for attendance with the PICES Annual Meeting or with other critical meetings.

AGENDA ITEM 10

Mechanisms to address high priority topics identified above

This item was discussed at the AP-SOFE meeting and at the Joint AP meeting. Conclusions reached included:

- A strong requirement to continue the progress made by WG-FCCIFS through SICCME;
- A requirement to build social science capacity within PICES through the establishment of a longer term expert group;
- A requirement to establish one or more working groups which are tightly focussed on FUTURE objectives;
- Developing a more detailed Implementation Plan/roadmap to guide the integration of PICES activities and the production of reports, forecast and outlooks.

It was noted that the outreach/engagement component of FUTURE remains as a substantial challenge, as noted by the Study Group on *Communications*.

AGENDA ITEM 11

Potential for new expert groups and timelines for establishment

AP-SOFE placed a high priority on the establishment of SICCME and a new expert group on human dimensions. The proposed Working Group on *Regional Climate Modeling* was also seen as an important step in moving forward with the FUTURE plan.

AGENDA ITEM 12

Action items for AP-SOFE

Action Items were identified in the AP-SOFE workplan (Agenda Item 3). Approaches for improved communication/collaboration between annual/inter-sessional meetings were discussed, including the use of a website (such as the AP-SOFE website) on Google Docs for collaborative writing and other technologies.

AGENDA ITEM 13

Report on the PICES Advisory Report to the Cohen Commission

Deputy Executive Secretary, Dr. Skip McKinnell, reported on the PICES Advisory Report to the Cohen Commission on "*The decline of Fraser River sockeye salmon in relation to marine ecology*" and his testimony at that Commission. AP members were directed to the Commission's website where the document (<http://www.cohencommission.ca/en/pdf/TR/Project4-Report.pdf>) is located as formal testimony at the inquiry.

AGENDA ITEM 14

United Nations Global Marine Assessment

Dr. Tony Koslow highlighted the value of having a global assessment of the state of the world ocean, and that an organization like PICES could contribute greatly to such a report. Dr. McKinnell, who attended the UN Working Group of the Whole meeting in New York (June 2011), returned with a pessimistic view of the likelihood of a successful result under the current circumstances. Unlike the Intergovernmental Panel on Climate Change, Member States of the UN (also Member States of PICES) envisage a very limited role for regional organizations, strong oversight of the process by the UNGA, directed by the part of the UN that is associated with UNCLOS (United Nations Convention on the Law of the Sea), a report that includes many topics which exceed the current capacity of PICES, and a virtually non-existent budget. The Global Assessment includes socio-economics that are associated with the ocean environment. Member States of the UN were particularly sensitive to the idea that the report might deal with effects of national policies on the marine environment.

AP-SOFE Endnote 1

AP-SOFE participation list

Members

Harold (Hal) Batchelder (USA)
Robin Brown (Canada, Chairman)
Oleg Katugin (Russia)
Shin-ichi Ito (Japan)
Phillip Mundy (USA)
Chang-Ik Zhang (Korea)

Observers

Anne Hollowed (USA)
Tony Koslow (USA)
Guimei Liu (China)
Patricia Livingston (USA)
Mitsutaku Makino (Japan)
Skip McKinnell (PICES)

AP-SOFE Endnote 2

AP-SOFE meeting agenda

1. Welcome, introduction and opening remarks
2. Review SOFE TOR
3. Review SOFE workplan
4. Report from the FUTURE inter-sessional workshop (Honolulu, April 2011; J. King)
5. Potential topic sessions at 21st Annual PICES Meeting, Japan (October 2012). *Sessions will still be proposed via Committees to Science Board*
6. Report from WG-FCCIFS (Hollowed)
7. ICES/PICES Strategic Initiative on Climate Change and Marine Ecosystem (SICCME) *(To be deferred to Joint AP Meeting?)*
8. Report and Recommendations from SG-HD *(Joint AP Meeting)*
9. Identification of high priority topics for FUTURE including potential Open Science Meeting in 2013 *(defer to Joint AP Meeting)*
10. Mechanisms to address high priority topics identified above
 - How do we advance FUTURE?
 - What are the major challenges?
11. Potential for new expert groups and timelines for establishment
12. Action items for AP-SOFE members
 - Develop more specific workplan for SOFE-AP
 - Working outside Annual/inter-sessional Meetings

- Potential Mechanisms for Communication (*e.g.*, SOFE –AP website, Skype, GeoPortal, FUTURE Website [restricted access?])
- 13. Report on the Cohen Commission (McKinnell)
- 14. UNEP Assessment (McKinnell; Koslow)
- 15. Other issues (Roundtable)

AP-SOFE Endnote 3**AP-SOFE Terms of Reference and workplan**

Task	Activities underway/Completion date
TOR 1: Establish a list of specific FUTURE priority topics, activities and products for review by the Science Board;	<ul style="list-style-type: none"> - information gathering from Committees at PICES 2011 - ISB 2012 - FUTURE Roadmap
TOR 2: Work with the existing expert groups associated with FUTURE to review and revise, if needed, their Terms of Reference;	<ul style="list-style-type: none"> - October 2011 (PICES 2011) - ongoing - specifically - work needed with MEQ on S-HAB (complete by ISB 2012?) - Other ExG?
TOR 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;	<ul style="list-style-type: none"> - SICCME - Human Dimensions - October 2011 (PICES 2011) - ongoing
TOR 4: Coordinate with the Scientific and Technical Committees in developing Terms of Reference for new expert groups to be part of FUTURE;	<ul style="list-style-type: none"> - SICCME (done) - Human Dimensions (done) - ongoing
TOR 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;	<ul style="list-style-type: none"> - information gathering from Committees at PICES 2011 - complete for ISB 2012
TOR 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;	<ul style="list-style-type: none"> - not done in 2011 - part of TOR for new ExG - completion date subject to new HD ExG
TOR 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;	<ul style="list-style-type: none"> - October 2011 (PICES 2011) - ongoing - HD ExG - SICCME ExG - ISB 2012 – FUTURE roadmap
TOR 8: Provide for a PICES final peer review on information and interpretations.	<ul style="list-style-type: none"> - done for Cohen Commission report - ongoing requirement