

## **The FUTURE Advisory Panel on *Status, Outlooks, Forecasts and Engagement***

The *Status, Outlooks, Forecasts and Engagement* Advisory Panel (AP-SOFE) met on October 14, 2012 from 14:00 to 18:00 hours, following the joint FUTURE meeting, in Hiroshima, Japan. The Chairman, Mr. Robin Brown, welcomed members and observers (*AP-SOFE Endnote 1*). Several changes were made to the draft agenda and the revised agenda was adopted (*AP-SOFE Endnote 2*). Terms of reference are provided in *AP-SOFE Endnote 3*.

### AGENDA ITEM 3

#### **Topic sessions for PICES-2013**

AP-SOFE members reviewed and ranked the proposed Topic Sessions using the web application on the PICES website. At its meeting, the Panel discussed the sessions and rankings and forwarded its final selection to Science Board. SOFE members found the proposed Topic Sessions to be well aligned with the theme “*Communicating forecasts, uncertainty and consequences of ecosystem change*” and with the FUTURE program. Some concerns were raised at the appearance of new proposals for Topic Sessions at the Annual Meeting, as AP members did not have time to give these their full consideration.

### AGENDA ITEM 4

#### **Review progress and reports of key expert groups**

AP-SOFE reviewed the progress of several key expert groups formed since PICES-2011:

- Section on *Human Dimensions* (S-HD),
- Section (with ICES) on *Climate Change on Marine Ecosystems* (S-CCME)
- Working Group 29 on *Regional Climate Modeling* (WG 29)
- Working Group 27 on *North Pacific Climate Variability and Change* (WG 27)

This was a relatively large number of expert groups to form in a single year, but this assemblage filled some critical gaps in the FUTURE program. AP-SOFE noted that the inter-sessional meeting proposed for Russia in 2013 will provide an excellent opportunity for joint ICES/PICES activities under S-CCME.

Additionally, AP-SOFE reviewed activities of Working Group 28 on *Development of Ecosystem Indicators to Characterize Ecosystem Responses to Multiple Stressors* and was pleased to see the progress on this difficult issue.

AP-SOFE supported the proposal for a new Section on ‘Marine Pollution’.

### AGENDA ITEM 5

#### **FUTURE roadmap from Busan inter-sessional meeting (extension from Joint FUTURE AP Meeting)**

AP-SOFE strongly supports the continued progress on the FUTURE “Roadmap” developed at the inter-sessional FUTURE Workshop in Busan, Korea (May 24–25, 2012). This is reflected in the AP-SOFE Workplan (*AP-SOFE Endnote 4*).

### AGENDA ITEM 6

#### **Inter-sessional FUTURE workshop with ICES (Spring 2013)**

AP-SOFE strongly supported the inter-sessional meeting and workshop proposed for western Russia in the spring of 2013 and noted that this will be a key opportunity for joint ICES/PICES collaboration on a major theme for FUTURE.

AGENDA ITEM 7

**FUTURE Open Science Meeting in 2014**

AP-SOFE supported the proposed Open Science Meeting to take place in 2014, with an agenda that is matched to the FUTURE Implementation Plan. The OSM must achieve a balance between the scientific objectives of new understanding (COVE and AICE) and those aspects of FUTURE that are related to outreach and policy (SOFE). With respect to some of the most difficult components of the Implementation Plan (Forecasts, Outlooks and Uncertainties), the AP recommended that SOFE solicit contributions that outline progress/successes as well as the challenges faced.

AGENDA ITEM 8

**Implementing FUTURE and developing a plan for AP-SOFE**

The AP developed a workplan for SOFE (*AP-SOFE Endnote 4*).

AGENDA ITEM 9

**Membership, rotation of FUTURE AP Chairs**

Dr. Phillip Mundy (USA) was elected as Chairman of AP-SOFE, replacing Mr. Robin Brown (Canada). Although it was not discussed at the SOFE meeting, in subsequent Standing Committee meetings during PICES-2012, recommendations were made to add two new members to SOFE: (1) Dr. William Peterson (USA) as a representative from BIO, and Dr. Lei Zhou (China) as a representative from POC.

AGENDA ITEM 10

**Other issues**

None.

***SOFE-AP Endnote 1***

**AP-SOFE participation list**

Members

Harold (Hal) Batchelder (USA)  
Robin Brown (Canada, Chair)  
Shin-ichi Ito (Japan)  
Oleg Katugin (Russia)  
Phillip Mundy (USA)  
William Peterson (USA)

Observers

Mitsutaku Makino (Japan)  
Naesun Park (Korea)  
Sinjae Yoo (PICES)

***SOFE-AP Endnote 2***

**AP-SOFE meeting agenda**

1. Welcome, introductions, opening remarks
2. Review and adopt agenda
3. Potential topic sessions at 22<sup>nd</sup> Annual PICES Meeting, Nanaimo (2013)
4. Review and discuss expert group activities relevant to SOFE

5. Discussion of FUTURE roadmap from Busan inter-sessional meeting (extension from Joint FUTURE AP Meeting)
  - Report from inter-sessional meeting attached and posted to [http://www.pices.int/members/advisory\\_panels/SOFE-AP.aspx](http://www.pices.int/members/advisory_panels/SOFE-AP.aspx)
6. Potential inter-sessional FUTURE workshop with ICES (Spring 2013)
7. FUTURE Open Science Meeting in 2014
8. Implementing FUTURE, developing a plan for AP-SOFE
  - Develop/review SOFE Action Plan
  - Identification of high priority topics for FUTURE and potential mechanisms to address these (AP activities, national programs, symposia, new Expert Groups, *etc.*)
  - Linkages to other FUTURE APs, Committees and PICES scientists
9. Membership, rotation of FUTURE AP Chairs
10. Other issues (Roundtable)

### ***SOFE-AP Endnote 3***

#### **AP-SOFE 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

Note: Terms of Reference 1–4 are common to all FUTURE Advisory Panels; Terms of Reference 5–8 are specific to SOFE only.

### ***SOFE-AP Endnote 4***

#### **SOFE-AP Workplan for 2012–2013**

1. Clearly identify all SOFE-related output products from Expert Groups, based on the Roadmap. This should include details on the output product (What is it?), timing for production and format (Scientific Report; Special Publication; Brochure; presentation; Database). Any potential issues regarding access or storage should be coordinated with TCODE.
2. With this information in hand, develop a simple spreadsheet or database to track progress of FUTURE products.
3. Assist in the planning and development of the FUTURE Open Science Meeting
4. Plan for publication and outreach components of FUTURE products, as identified above.
5. Work with the Section on Human Dimensions on the identification of clients or target groups for FUTURE products in each PICES nations.

- It may be possible to get assistance from Governing Council member in this area. Many agencies will have lists of key client groups that they use to direct national outreach/engagement/consultation activities.
6. (With MONITOR and other Expert Groups) Refine/design the next version of the North Pacific Ecosystem Status Report. In particular, this will require consultation with S-HD on socio-economic indicators and WG 28 on ecosystem indicators)
  7. Review requirement for a brochure summarizing the results of Working Group 20 – Climate Projections, drawn from the final report. Produce brochure if deemed valuable.
  8. (With Expert Groups) Review Terms of Reference for these groups with the goal of embedding requirements for outreach/engagement products in these ToRs, as appropriate. Update Chairman's handbook to reflect this new requirement for all Expert Groups.
  9. Assist host country in arrangements for a public lecture at PICES-2013