

**Working Group 32 Biodiversity of Biogenic Habitats
Business Meeting Day 2, Draft Agenda
Saturday, October 17, 2015, 9:00 – 18:00
Hotel Shangri-La, Qingdao, China**

Meeting objective:

Develop the workplan to achieve the Terms of Reference (ToR) and produce scientific publications of mutual interest. The ToR are in Appendix 1 and posted on the WG-32 web page at:
https://www.pices.int/members/working_groups/wg32.aspx.

9:00 Welcome, sign-in, and introductions (see Appendix 2 for list of WG-32 members)

9:15 Compilation of data

- a) Develop a plan to compile data on the distribution of corals, sponges, and associated biota, and facilitate their submission to appropriate databases.
- b) Develop a plan to compile data on key variables (temperature, velocity, ocean acidification, slope, aspect) hypothesized to influence coral and sponge distribution and diversity and catalogue sources of multibeam/swathe bathymetry data for distribution modeling.

10:30 Break

11:00 Models of coral and sponge distributions

- a) Develop a plan to review modeling approaches to predict the potential distributions of species and habitat suitability for corals and sponges (*e.g.*, MaxEnt, Boosted Regression Trees, or high resolution bathymetry-based models).
- b) Develop a plan to identify environmental and ecological predictors of patterns in the distribution and biodiversity of coral, sponge and associated taxa.

12:00 Lunch

1:30 Session on biogenic habitat distribution and diversity

- a) Review the draft proposal to convene a session on biogenic habitat distribution and diversity at the 2016 PICES Annual Meeting in San Diego, USA.

2:30 Biodiversity Indicators

- a) Develop a plan to develop indicators for assessing and monitoring diversity of biogenic habitats.

15:30 Break

16:00 Associations with fish and invertebrates

- a) Develop a plan to study associations between fish and invertebrate species and biogenic habitats

17:00 Review consensus on ToR, proposed publication(s), and draft workplan

17:30 Proposed WG-32 Session at 2016 PICES Annual Meeting

Review WG-32 proposal(s) to convene a session on Distribution and Biodiversity of Biogenic Habitat for the 2016 PICES Annual Meeting in San Diego

18:00 Meeting Adjourned

Evening WG-32 Dinner

Appendix 1 WG-32 Terms of Reference

Year 1:

- Compile data on the distribution of coral and sponge taxa, and associated fish and invertebrate assemblages in the North Pacific within National Exclusive Economic Zones (EEZs) and facilitate their submission to appropriate biodiversity databases (*e.g.*, Ocean Biogeographic Information System (OBIS));
- Compile data on key variables (temperature, velocity, ocean acidification, slope, aspect) hypothesized to influence coral and sponge distribution and diversity and catalogue sources of multibeam/swathe bathymetry data for distribution modeling within National EEZs;
- Hold a WG meeting, in conjunction with PICES Annual Meeting.

Year 2:

- Review modeling approaches to predict the potential distributions of species and habitat suitability for corals and sponges (*e.g.*, MaxEnt, Boosted Regression Trees, or high resolution bathymetry-based models) within National EEZs;
- Identify environmental and ecological predictors of patterns in the distribution and biodiversity of coral, sponge and associated taxa within National EEZs;
- Convene a session on biogenic habitat distribution and diversity at PICES Annual Meeting;
- Hold a WG meeting, in conjunction with PICES Annual Meeting.

Year 3:

- Review and propose potential indicators for assessing and monitoring diversity of biogenic habitats;
- Review and document associations between commercially important fish and invertebrate species and biogenic habitats;
- Prepare scientific reports for dissemination of results;
- Hold a WG meeting, in association with PICES Annual Meeting.

Appendix 2 List of WG-32 Members

Dr. Janelle Curtis (Canada)
WG-32 Co-Chair

Dr. Anya Dunham (Canada)

Dr. Anders Knudby (Canada)

Prof. Jianming Chen (China)

Dr. Hui Huang (China)

Dr. Masashi Kiyota (Japan)
WG-32 Co-Chair

Dr. Takeo Kurihara (Japan)

Dr. Go Suzuki (Japan)
(Attending instead of Dr. Kurihara)

Prof. Kwang-Sik Albert Choi (Korea)

Dr. Seonock Woo (Korea)

Dr. Tatyana Dautova (Russia)

Dr. Chris Rooper (USA)

Dr. John Guinotte (USA),
(Attending instead of Dr. Watling)

Dr. Les Watling (USA)