



Technical Committee on Data Exchange Action Plan (2012-2015)

Mission

The missions of the PICES Technical Committee on Data Exchange (TCODE) are as follows:

1. Identify the data management requirements of PICES;
2. Development strategic plans to meet these requirements;
3. Recommended establishment of ad hoc task groups to deal with specific functions of TCODE;
4. Review the progress of task groups and provide Annual Reports to Science Board on the work of TCODE; and
5. Advise the PICES Secretariat on its data exchange activities.

Strategy of TCODE

To implement its mission, the TCODE Committee will address each of the five central themes of the PICES Strategy: (A) Advancing scientific knowledge; (B) Applying scientific knowledge; (C) Fostering partnerships; (D) Developing capacity; and (E) Ensuring a progressive organization. Specific goals, actions and tasks within each of these themes are as follows.

Theme A *Advance scientific knowledge*

Goal 1. Understand the functioning, resilience, and vulnerability of marine ecosystems.

Action 1.1 Propose and support topic sessions and workshops.

Task 1.1.1 Propose and support topic sessions and workshops at upcoming PICES annual meetings.

Goal 2. Understand and quantify how marine ecosystems respond to human activities and natural forcing.

Action 2.1 Propose and support topic sessions and workshops.

Task 2.1.1 Co-convene a workshop at PICES-2014 on “Tools, approaches and challenges for accessing and integrating distributed datasets”.

Task 2.1.2 Propose and support topic sessions and workshops at upcoming PICES annual meetings.

Theme B *Applying scientific knowledge*

Goal 3. Provide scientific advice pertinent to North Pacific ecosystems.

Action 3.1 Assist in preparing the North Pacific Ecosystem Status Report.

Task 3.1.1

Goal 4. Ensure that PICES products are relevant, timely, and broadly accessible.

Action 4.1 Support and promote to use of shared information technologies.

Task 4.1.1 Maintain and promote to use of the PICES TCODE GeoSpatial Portal and their resource.

Theme C. Foster partnerships

Goal 5. Collaborate with organizations and scientific programs relevant to PICES.

Action 5.1 Establish dialogue with the various bodies of the international, national, state and local organizations, commissions and programs involved into Marine Data Management issues.

Task 5.1.1 Maintain a dialogue with the ICES Data and Information Group (DIC).

Task 5.1.2 Maintain a dialogue with the IODE of the IOC of UNESCO and its programme such as IODE Groups of Experts, OBIS (Ocean Biogeographic Information System), ODP (Ocean Data Portal) and ODINWESTPAC (Ocean Data and Information Networks in Western Pacific region).

Task 5.1.3 Support S-HAB work with the ICES-IOC Harmful Algal Event Database (HAEDAT) database and required metadata.

Task 5.1.4 Support S-CC work with the IOCCP and international scientific projects.

Goal 6. Strengthen communication and engagement with users of PICES scientific products.

Action 6.1 Support and promote to use of shared information technologies.

Task 6.1.1 Maintain and promote to use of the PICES TCODE GeoSpatial Portal and their resources.

Task 6.1.2 Support the registration of database metadata of WG 21 on Non-indigenous Aquatic Species into PICES TCODE GeoSpatial Portal.

Task 6.1.3 Support the registration of metadata products of WG 23 on Comparative Ecology of Krill in Coastal and Oceanic Waters around the Pacific Rim” into PICES TCODE GeoSpatial Portal.

Task 6.1.4 Support the registration of scientific products of PICES scientific and technical committees and expert groups into GeoNetwork.

Task 6.1.5 Prepare to assist in the production of the North Pacific Ecosystem Status Report Third Edition.

Task 6.1.6 Promote the use of shared information tools such as Google Docs, Google Sites, etc.

Task 6.1.7 Promote the PACIFICA database of S-CC.

Theme D. Develop capacity

Goal 7. Advance methods and tools to improve and enhance scientific activities.

Action 7.1 Provide support for the use of shared information technologies.

Task 7.1.1 Update and disseminate the Technical report of PICES TCODE GeoSpatial Portal.

Action 7.2 Plan and convene topic sessions and workshops.

Task 7.2.1 Plan topic sessions and workshops at upcoming PICES annual meetings for marine data quality control/assurance and information exchange.

Goal 8. Foster collaboration among scientists within PICES.

Action 8.1 Promote and support the use of PICES TCODE GeoSpatial Portal.

Task 8.1.1 Plan a workshop or training course of registration data and information into PICES TCODE GeoSpatial Portal.

Goal 9. Create education and training opportunities.

Action 9.1 Promote and support training and education activities of local, regional and international organizations.

Task 9.1.1 Promote and support training courses and education of IOC, IODE, SOLAS, IMBER, IOCCP, ODINWESTPAC and other regional and international organizations and programmes.

Theme E. *Ensure a progressive organization*

Goal 10. Provide an effective infrastructure to support PICES activities.

Action 10.1 Create and oversee expert groups to support FUTURE and other scientific activities.

Task 10.1.1 Make recommendations to the Science Board on the establishment of new expert groups to support FUTURE and other scientific activities.

Task 10.1.2 Delegate representatives as members of the FUTURE Advisory Panels to effectively communicate with the FUTURE Advisory Panels

Task 10.1.3 Oversee and coordinate the activities of the daughter expert groups through communication with the FUTURE Advisory Panels.