



North Pacific Fisheries Commission

NPFC-2020-SC05-WP02

SC Five-Year Rolling Work Plan, 2020-2021 to 2024-2025

Participants will review and revise the Work Plan of the SC drafted intersessionally. Participants will finalize the draft five-year rolling work plan (2021-2025) for submission to the SC05 meeting in accordance with the SC decision to develop five-year rolling research and work plans from 2020 onwards. This draft plan draws on examples from other regional fisheries management organizations and domestic fisheries science agencies. It has been developed for consideration by SC before it is endorsed to the Commission.

In general, the key goals of this Work Plan are to assess NPFC's eight priority species, inform the development of fishery management strategies for a subset of those species, understand ecological interactions among species in the North Pacific Ocean and the impacts of fisheries on those species and associated ecosystem components. This plan does not include activities that are already identified in the work plans of SC's subsidiary bodies, including the SSC BF-ME, SSC PS, and TWG CMSA, but those activities will be added after review by the subsidiary bodies.

Priority list

As stipulated in the Convention, Article 10, the Scientific Committee shall provide scientific advice and recommendations to the Commission which is considered the highest priority task of the SC. The following priority areas have been identified for SC:

1. Priority species summaries and stock assessments for management advice
2. Management Strategy Evaluation (MSE) for priority species
3. Ecosystem approach to fisheries management: understand ecological interactions among species and impacts of fishing on fisheries resources and their ecosystem components
4. Collaboration with other organizations
5. Regular review of the research plan and work plan
6. Data collection, management, and security

ITEM	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Priority Species					
Summaries of priority species	Develop summary template	Draft summary sheet	Update summary sheets as needed	Update summary sheets as needed	Update summary sheets as needed
Assessment of Spotted Mackerel and associated bycatch	Identify lead Identify data sources, data gaps and strategies to fill gaps	Collate data Develop data collection templates and share data Determine spatial structure of stocks	Undertake baseline stock assessment and provide management advice including harvest control rules	Update baseline stock assessment as needed and provide management advice including harvest control rules Collate data on associated bycatch species	Update baseline stock assessment as needed and provide management advice including harvest control rules Develop baseline stock assessment of associated bycatch species
Assessment of Japanese Sardine and associated bycatch	Identify lead Identify data sources, data gaps and strategies to fill gaps	Collate data Develop data collection templates and share data Determine spatial structure of stocks	Undertake baseline stock assessment and provide management advice including harvest control rules	Update baseline stock assessment as needed and provide management advice including harvest control rules Collate data on	Update baseline stock assessment as needed and provide management advice including harvest control rules Develop baseline

				associated bycatch species	stock assessment of associated bycatch species
Assessment of Neon Flying Squid and associated bycatch	Identify lead Identify data sources, data gaps and strategies to fill gaps	Collate data Develop data collection templates Determine spatial structure of stocks	Undertake baseline stock assessment and provide management advice including harvest control rules	Update baseline stock assessment as needed and provide management advice including harvest control rules Collate data on associated bycatch species	Update baseline stock assessment as needed and provide management advice including harvest control rules Develop baseline stock assessment of associated bycatch species
Assessment of Japanese Flying Squid and associated bycatch	Identify lead Identify data sources, data gaps and strategies to fill gaps	Collate data Develop data collection templates Determine spatial structure of stocks	Undertake baseline stock assessment and provide management advice including harvest control rules	Update baseline stock assessment as needed and provide management advice including harvest control rules Collate data on associated bycatch species	Update baseline stock assessment as needed and provide management advice including harvest control rules Develop baseline stock assessment of associated bycatch species

Management Strategy Evaluation (MSE)					
Chub Mackerel	Describe MSE from a scientific perspective Establish a joint MSE Committee that includes members from SC, TCC, fishery managers, and stakeholders	Develop preliminary MSE tools for Chub Mackerel in consultation with TCC, fishery managers, and stakeholders	Update MSE tools for Chub Mackerel with input from TCC, fishery managers, and stakeholders	Update MSE tools for Chub Mackerel with input from TCC, fishery managers, and stakeholders	Update MSE tools for Chub Mackerel with input from TCC, fishery managers, and stakeholders
Pacific Saury				Develop preliminary MSE tools for Pacific Saury in consultation with TCC, fishery managers, and stakeholders	Update MSE tools for Pacific Saury with input from TCC, fishery managers, and stakeholders
Ecosystem approach to fisheries management					
Ecological Interactions	Understand ecological interactions among	Understand ecological interactions among	Understand ecological interactions among	Understand ecological interactions among	Understand ecological interactions among

	species in the North Pacific Ocean	species in the North Pacific Ocean	species in the North Pacific Ocean	species in the North Pacific Ocean	species in the North Pacific Ocean
Impacts of fishing on ecosystem component	Evaluate impacts of fishing on fisheries resources and their ecosystem components, including bycatch species and discards	Evaluate impacts of fishing on fisheries resources and their ecosystem components, including bycatch species and discards	Evaluate impacts of fishing on fisheries resources and their ecosystem components, including bycatch species and discards	Evaluate impacts of fishing on fisheries resources and their ecosystem components, including bycatch species and discards	Evaluate impacts of fishing on fisheries resources and their ecosystem components, including bycatch species and discards
Collaboration with other Organizations					
PICES	Review implementation of NPFC-PICES Framework for Collaboration Discuss SC representation at PICES Annual Meetings Review ICES-PICES WGSPF activities	Review implementation of NPFC-PICES Framework for Collaboration Review ICES-PICES WGSPF activities Review NPFC-PICES workshop on VME indicator identification	Review implementation of NPFC-PICES Framework for Collaboration Review ICES-PICES WGSPF activities Review NPFC-PICES workshop on VME indicator identification	Review implementation of NPFC-PICES Framework for Collaboration Identify other opportunities for collaboration with PICES	Review implementation of NPFC-PICES Framework for Collaboration Identify other opportunities for collaboration with PICES
FAO	Review partnership				

	with FIRMS	Review NPFC's involvement in the 2nd Phase of the GEF-FAO Common Oceans Programme			
NPAFC	Review work plan to implement NPFC/NPAFC Memorandum of Cooperation Review NPAFC-NPFC multinational survey program	Review work plan to implement NPFC/NPAFC Memorandum of Cooperation Review NPAFC-NPFC multinational survey program			
Other organizations	Review collaborations with other organizations	Review collaborations with other organizations	Review collaborations with other organizations	Review collaborations with other organizations	Review collaborations with other organizations
Research and Work Plans					
Terms of Reference	Review SC's Terms of Reference	Review SC's Terms of Reference, as needed	Review SC's Terms of Reference, as needed	Review SC's Terms of Reference, as needed	Review SC's Terms of Reference, as needed
Research Plan	Update SC's rolling 5-	Update SC's rolling 5-	Update SC's rolling 5-	Update SC's rolling 5-	Update SC's rolling 5-

	year research plan	year research plan	year research plan	year research plan	year research plan
Work Plan	Update SC's rolling 5-year work plan	Update SC's rolling 5-year work plan	Update SC's rolling 5-year work plan	Update SC's rolling 5-year work plan	Update SC's rolling 5-year work plan
Projects	Review completed and ongoing projects Identify and prioritize new projects and recommend sources of funding	Review completed and ongoing projects Identify and prioritize new projects and recommend sources of funding	Review completed and ongoing projects Identify and prioritize new projects and recommend sources of funding	Review completed and ongoing projects Identify and prioritize new projects and recommend sources of funding	Review completed and ongoing projects Identify and prioritize new projects and recommend sources of funding
Data Management					
	Review SC's Interim Regulations for Management of Scientific Data and Information Review and Endorse overarching policy for data management and security for TCC and SC Discuss need of VMS data for scientific	Review data standards in relation to stock assessment of priority species	Review data standards in relation to stock assessment of priority species Discuss need for additional sources of data for scientific analyses and associated data management policy	Review data standards in relation to stock assessment of priority species Discuss need for additional sources of data for scientific analyses and associated data management policy	Review data standards in relation to stock assessment of priority species Discuss need for additional sources of data for scientific analyses and associated data management policy

	analyses Review data management system (DMS) and Electronic Annual Report				
Recommendations					
Advice	Develop recommendations for the Commission, TCC, and FAC	Develop recommendations for the Commission, TCC, and FAC	Develop recommendations for the Commission, TCC, and FAC	Develop recommendations for the Commission, TCC, and FAC	Develop recommendations for the Commission, TCC, and FAC
Media Communication					
Press Release	Prepare and publish a press release about SC activities during its meeting	Prepare and publish a press release about SC activities during its meeting	Prepare and publish a press release about SC activities during its meeting	Prepare and publish a press release about SC activities during its meeting	Prepare and publish a press release about SC activities during its meeting