



Projects and Activities Tue Feb 19 06:58:41 HST 2019

<b>Name</b>	Application of Latest IPCC Climate Models to Forecast Possible Marine Ecosystem Changes in the North Pacific Over the 21st Century (2 of 2)
Capability Area: Variability/Changes	<ul style="list-style-type: none"> <li>- Understanding Climate Variability and Change</li> <li>- Research/Development</li> <li>- Projections (modeling and downscaling)</li> <li>- Training and Capacity Building, Education, Outreach</li> </ul>
ECV	- Surface (e.g., SST, SSH, salinity, ocean color)
Timeframe	- Multi-decadal (scenarios)
Capability Area: Impacts/Adaptations	<ul style="list-style-type: none"> <li>- Understanding Climate Impacts and Informing Adaptation</li> <li>- Climate Impacts</li> <li>- Projections (modeling and downscaling)</li> </ul>
Sectors	<ul style="list-style-type: none"> <li>- Agriculture and Fisheries</li> <li>- Ecosystems</li> </ul>
Status	- Proposed
Focus Area	- Marine and Terrestrial Ecosystems
Regions	<ul style="list-style-type: none"> <li>- Central North Pacific</li> <li>- Western North Pacific</li> </ul>
Description	Take output from the latest IPCC climate models that include a phytoplankton component and use various approaches to project possible high trophic level impacts. The approaches include: i) a biome approach; ii) driving ecosystem/fisheries models with phytoplankton output from the climate model; and iii) a size spectrum model approach.
Objectives/Outcomes	Identifying possible future ecosystem changes for resource managers.
Lead Agencies	NOAA Pacific Islands Fisheries Science Center (PIFSC)
Contacts	Jeffrey Polovina, jeffery.polovina@noaa.gov Phoebe Woodworth, phoebe.woodworth@noaa.gov
Required Resources	Postdoc or funds for a postdoc.
Projected Timelines	2-3 years
Feedback/Evaluation	Presentations and publications