

The Joint Institute for the Study of the Atmosphere and Ocean is seeking applicants for a one year position as research scientist working in the general area of coastal ocean prediction. The successful applicant will support research on and implantation of a prediction system for the NOAA Integrated Ecosystem Assessment (IEA) for the California Current System ecosystems as part of the JISAO Seasonal Coastal Ocean Prediction of the Ecosystem (J-SCOPE) project.

JISAO research scientists have developed the JISAO Seasonal Coastal Ocean Prediction of the Ecosystem (J-SCOPE) project. J-SCOPE provides predictions of ocean conditions in the coastal region of the Pacific Northwest six to nine months into the future. Predicted quantities include temperature, salinity, dissolved oxygen, and chlorophyll concentrations. Forecasts are available to the public for use by the shellfish and fishing industries, as well as the broader research community. J-SCOPE scientists are now updating the experimental forecasts regularly during the year, providing on-going evaluations of forecast accuracy, and investigating improved forecasting methods.

The successful applicant will manage, as part of the J-SCOPE team, production of the model climatology and forecasts. Applicants must have at minimum a M. Sc. degree in a relevant discipline and preference will be given to applicants who have experience with ROMS (Regional Ocean Modeling System) based models and knowledge of Unix systems. The incumbent will work with the existing team of researchers on the presentation of the results for the NANOOS website, peer-reviewed journal articles, and scientific presentations.

The principal duties of the successful applicant will be to:

- Streamline the process of adapting the fields from the large-scale forecast model (CFSv2) that are required to force the ocean forecasting model
- Update the model forecasts on a quarterly basis using the updated CFSv2 model output
- Produce a model climatology for reference and use that climatology for visualizing model output.
- Develop code to produce figures and movies of the output that can be used to disseminate output to the user community and enhance public access

*The University of Washington is an equal opportunity, affirmative action employer. To request disability accommodation in the application process, contact the Disability Services Office at 206.543.6450 / 206.543.6452 (tty) or [dso@u.washington.edu](mailto:dso@u.washington.edu)*