

Joint PICES/ICES/GEOHAB Workshop on “Harmful Algal Blooms in a Changing World

Timing: March 18-22, 2013

Location: Friday Harbor Laboratories, WA, USA

Convenors: Mark Wells (USA/PICES), Bengt Karlson (Sweden/ICES) and Raphael Kudela (USA/GEOHAB)

Workshop Description

Harmful algal blooms (HAB) cause substantial economic, societal and human health problems. HABs have been increasing in frequency and severity over the past decades, and there is reason to anticipate that this trend will be exacerbated by future climate change. The workshop has two primary goals: (1) To assess the state of knowledge on HABs and climate change, and (2) to identify the most critical research needs that can realistically be addressed over the next 5-10 years. The output will be a review paper targeted for a broad audience in a high level journal. Topics will include, among others, 1) the impacts of projected changes in macro- and micro-nutrient distributions on HAB organisms; 2) climate effects on the ecology of HAB species and trophic interactions; 3) and climate effects on the physiology/toxicity of HAB organisms.

The workshop is co-organized by the North Pacific Marine Science Organization (PICES), the International Council for the Exploration of the Sea (ICES) and the IOC (Intergovernmental Oceanographic Commission of UNESCO)-SCOR (Scientific Committee on Oceanic Research) Research Programme on the Global Ecology and Oceanography of Harmful Algal Blooms, with support from the National Oceanic and Atmospheric Administration (NOAA, USA).