

## **Data Management Plan**

a) Results of certified reference materials obtained using the developed methodology

The first stage of this proposal essentially consists of method development and as such will not produce field data. However, if data are produced as a result of the analysis of GEOTRACES reference samples (for trace metals), we will submit our final data to the GEOTRACES intercalibration committee.

b) Moss Landing Shore Station and open-ocean cruise data

In the second and third years, we propose to: (1) deploy the newly developed platform at the CeNCOOS Moss Landing shore station and, (2) participate in open-ocean cruises of opportunity to compare our newly developed methodology with standard techniques currently used on GO-SHIP and HOT cruises. As described in the proposal, the data generated will consist of hourly phosphate and silicate data from the Moss Landing shore station intake as well as discrete data (phosphate, silicate, nanomolar phosphate and dissolved trace metals) from CTD rosette or ship underway systems from the GO-SHIP and HOT cruises that we wish to participate in.

The cruise data, calibrated using commercial standards and calibrated reference samples, will be submitted to the US BCO-DMO (Biological & Chemical Oceanography Data management Office) data assembly center in Woods Hole, including any data and metadata from the analysis of the SCOR-JAMSTEC CRM nutrient reference samples. The Moss Landing shore station data, calibrated using low nutrient seawater samples spiked with commercial standards, will be uploaded in near-real time on the MLML website and also submitted to the CeNCOOS data portal. Note that the Moss Landing shore station data may require further processing prior to final upload on the CeNCOOS data portal should the data obtained from discrete samples collected throughout the deployment warrant a correction of the analyzers' data. All corrections (if any) applied will be thoroughly documented.