Kyozo Ueyoshi <kueyoshi@gmail.com>

NASA proposal

Robert Frouin <rfrouin@ucsd.edu> **Sun, Jul 4, 2010 at 12:12 PM**
To: Kyozo Ueyoshi <kueyoshi@gmail.com>

Ahoy Kyozo:

I have written a table of contents for the NASA proposal. Title will be: "*Climate change and Plankton Diversity in the Arctic.*" Remember that deadline is July 20. There will be a co-investigator from France, Dr. Alvain, who has developed a technique to estimate phytoplankton types from ocean-color imagery. This would be important to evaluate OGCM results.

For the administrative part, I will need (1) a CV from you--It has to fit in one page (see, attached, my CV --try to keep the same format. In my case, because I am the PI, it has to fit in 2 pages, but for you it has to fit in one page), (2) a paragraph indicating your expertise, your major accomplishments (see, also attached, what I have written for me).

For the science part, as I mentioned in a previous message, I will need some contribution from you. Specifically, for Section 3.1, please describe briefly NEMO-PISCES and the forcing fields, how spin-up will be done. We will do two types of simulations, first simulations of effects of climate change during the last decade (section 3.2), and second simulations corresponding to future climate change scenarios (section 3.4). For each of these sections (3.2 and 3.4), please describe how the forcing will be specified (NCEP reanalysis or output of coupled ocean-atmosphere climate models), and how the numerical experiments will be made. Make sure that you have adequate references. Do not spend too much time on the English, what is important is that the information is complete. I will make corrections later. We will need a few figures, to show that we have the model running. For example, TZ plots of nano and diatom chlorophyll at a specific location, with also TZ plots of temperature and density, but using forcing that varies from one year to the next, and map of surface nano and surface diatom chlorophyll (with sea ice mask) and SST during two contrasted years (e.g., one decade apart). I hope this will be possible.

Please do not hesitate to contact me if you have questions. Note that I will be on a cruise from July 5 to 9, with limited access to internet.

Regards, Robert.

3 attachments

NASA_Biodiversity_Contents.doc
39K

NASA_RF_CV.doc
34K

NASA_RF_Expertise.doc
40K