

Gene Massion

From: C. Garwood, Jessica <Jessica.Garwood@oregonstate.edu>
Sent: Monday, October 17, 2022 9:59 AM
To: Gene Massion
Cc: David Huff - NOAA Affiliate; Jennifer Fisher; Henry Ruhl; Yi Chao
Subject: Re: NOAA scientist interest for NOAA OTT

This sounds great Gene, let's talk more in the near future! I hope you receive positive feedback from your LOI.

Jessica

From: Gene Massion <magene@mbari.org>
Sent: Monday, October 17, 2022 9:20 AM
To: C. Garwood, Jessica <Jessica.Garwood@oregonstate.edu>
Cc: David Huff - NOAA Affiliate <david.huff@noaa.gov>; Jennifer Fisher <jennifer.fisher@noaa.gov>; Henry Ruhl <hruhl@mbari.org>; Yi Chao <yi.chao@seatrec.com>
Subject: RE: NOAA scientist interest for NOAA OTT

[This email originated from outside of OSU. Use caution with links and attachments.]
Hi Jessica

You're definitely not too late. The LOI is due this Friday and we only need expressions of interest at this point. Making quality controlled data, and derived data products, publicly available is actually an important element of the work we're proposing. Assuming we get some positive feed back from our LOI, it makes great sense to talk more when we're working on the full proposal. An offshore wind farm is actually a very interesting environment and I'd be interested in talking about this with you whenever we can fit it in. BTW, I work in Ken Johnson's chem sensor lab here at MBARI and we're involved in the Argo world, both sensors and data. I understand the need and challenge of generating defensible, quality controlled, long term data sets.

Cheers

Gene Massion
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From: C. Garwood, Jessica <Jessica.Garwood@oregonstate.edu>
Sent: Monday, October 17, 2022 9:04 AM
To: magene@mbari.org
Cc: David Huff - NOAA Affiliate <david.huff@noaa.gov>; Jennifer Fisher <jennifer.fisher@noaa.gov>
Subject: NOAA scientist interest for NOAA OTT

Hi Gene,

An email you sent to Dan Holland landed in my inbox after being circulated within NOAA. Your email mentioned a biogeochemical profiling float aimed at working in the coastal zone and asked about NOAA scientists interested in the data. I am not sure if our email comes too late, but in case it does not, I am including as much information as possible here.

First, I am a new assistant professor at OSU with a joint appointment at NOAA. My research interests focus on physical-biological interactions in the coastal ocean. I enjoy working at the intersection of physical and biological oceanography, while using novel ocean instruments. During my PhD, I worked with Peter Franks, Drew Lucas, Jules Jaffe, and Paul Roberts who is now at MBARI with you.

Now, I work closely with David Huff and Jennifer Fisher (cc'ed). We thought your letter of interest for the NOAA OTT might be due quite soon and maybe this week, so we just wanted to let you know that we would be interested in the data, particularly if your floats could sample within an offshore wind farm. I am in a workshop today and tomorrow but could talk more about our needs later this week.

Also, I previously attended a workshop on Ecological Forecasting Along North American Coastlines, organized in part by Charlie Stock from the biogeochemical group at NOAA-GFDL (<https://usclivar.org/meetings/ecological-forecasting>). Generally, there is a growing interest in using NOAA models for fisheries applications, and one of the most clearly expressed need at that workshop was for data to be publicly available, quality controlled, and in a format ocean modelers could use (NetCDF, following the FAIR principle, and all data easily downloadable).

In general, people who are accustomed to working with a large amount of data for model validation would prefer to download all of the data available for a certain time and narrow down the data themselves, instead of having to select all of that information through an online GUI. Often, comparisons of many ocean variables are needed, and this way, the researcher's record can more easily be updated when new data becomes available. There seems to be a strong demand for coastal data that is as easy to use as data from the Argo program. I do not have any privileged information in that regard, but my guess is that a proposal would be made stronger by addressing some of these needs (perhaps the workshop could be referenced, or Charlie contacted).

Please do not hesitate to get in touch with us if you have questions. If the timeline is too tight this time around, please keep us in mind in the future.

Best,

Jessica