

# Bowers Meeting Notes 4/4/18

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### Abstract

**Citation:** Holly Bowers Bowers Meeting Notes 4/4/18. **protocols.io**

[dx.doi.org/10.17504/protocols.io.paudiew](https://dx.doi.org/10.17504/protocols.io.paudiew)

**Published:** 09 Apr 2018

## Document

HAB meeting – SCCWRP

April 4, 2018

HABMAP started from complaint from NCCOS (ECOHAB, MERHAB) b/c they wanted to see products for user community. CA had 18 different programs going on at the time. There wasn't a lot of data sharing or standardization going on.

Goals from 10 years ago:

Coordination of sampling

Method synchronization

Data sharing and reporting

Develop client base

Forecasting system

Need to pay attention to cyanobacteria

CenCOOS – harmonization of data, working towards the state vision

Derived data through having something useful for downstream user/stakeholder

State wants info coming from single place, why this group formed

- intent to pull in OR and WA
- no real support from State, OPC paid for website
- hard to get state support for monitoring
- also, get others to use data

What's going on in PNW?

Jan Newton at NanOOS

Steph Moore

PICES – annual HAB report, CA contributes

Need to put methods on website so folks who use the data understand how it was derived.

-tried before but hard because labs that do shore sampling are using different concentrations, scopes, preservation, etc.

-they have tried to do interlab comparisons in the past, results were hard, need to spin this up again and get PIs together

-there is a spreadsheet with methods for all the stations, need to include this in the metadata

Each OOS is getting RICE certification – laborious and have to document from shore stations, can do it for sensors, but hard for phyto, nutrients, etc.

(regional information coordination entity)

-we need to come together for baselines, etc.

-go through QARTOD guidelines? Problem comes with sending samples to one place, cost, time and sample can change

-chlorophyll has been more consistent – counts have been challenging

Jargon comes from instruments, hard to bring into out datasets

**\*\*Send around template to groups to survey and get input for best practices.**

-will be a stepwise process

CA has the most comprehensive monitoring program within the OOS system.

Starting point: everyone document protocols in detail

- could start reporting analytical checks

- run industry standards and report

SCRIPPS is going through now and validating all their data in spreadsheets, changing it now to help eliminate mistakes, making it more automated

\*\*\*downloading spreadsheets to a csv, will translate nd to NaN, problem is on the SCOOS side

\*\*the archive needs to be corrected and updated, looks like some of the sample volumes are going into other columns too?

From 2008 meeting, they were just going to provide a synopsis on HABs and if there was a problem, or does it look like something might happen

Are e-mails being archived on SCCWRP?

Fred is working on an AI method for going through e-mails for those data

- pulls out species names and relative abundance value from e-mails that have been going out and puts it into one source

- e-mails are too quirky, no standardized list of plankton

State agencies are interested in the data, informs them for monitoring, etc.

Folks with imaging, modeling, genetic interests want the data but are used to time/cost level that they have. We need to have a funded, sustainable program (via working better with these groups?). We don't have a registration/metric to even know how many people are using the data.

Bulletin – 1 page of weekly interpretation of what is happening (marine mammal data, our monitoring

results).....tool for managers/state agencies to use to get overall view of what is happening. Vicky and Clarissa will be working to pull this together over next 6 months.

-need to reach a wide audience, many will understand, but others (fishing community?) need to understand as well

Steve SCCWRP: current themes: desalination, aquaculture, climate change, OA and HABs

--we have lots of datasets to begin to tackle these

Have an Impetus: back then, used to CA World Ocean conference to get HAB advances out there (event or issue oriented theme)

\*\*e.g. government's summit in San Fran this fall

OBIS Ocean biogeographic info system, global initiative

--evaluate trends and ID gaps

--they don't have HAB data, we should push our data into this

--UN driven, funded through IOC, from Belgium – wants to take over the world, would be glad to have our data, involved with GOOS, GlobalHAB...data hub for international programs

--e.g. MBON funneling into this.

--they collect all records, some from Census of Marine life (which shuts down), so some things are not represented well (e.g. CA data are nil)

--OBIS is superceding WoRMS. Federal US agencies are not involved/interested b/c of UN funding and their political relationships

WoRMS has species ID, we could put those numbers into our data sets

--catchall number for Pn groups

Ocean Best Practices group is in existence

OPC-OST HAB workshop in march with state agencies

-fishermen want to know why regulations where they are, but it's federal so nobody can change it

-no resolution, state wants fishermen to help collect samples, but they shoot themselves in the foot

with potential shut-down of a fishery

- no trust between the two groups, yet no formal collaborations for collection

- will use bulletin to try and disseminate digestible info for watermen reps to take back to their groups/communities

We don't want to be putting all HAB data through one group, so funding agent might see that as one group doing HABs so they should get money

- Talk about unification of HABMAP data

- higher level synthesis for the year, then click on and drill down into data

- be able to pull in other data sets

Samples that come in for testing, they need 6 along the coast, if two from same area test positive two weeks in a row there is a closure.....needs to be clean two weeks in a row to be re-opened.

## TASKS

- survey end users (start with J-Sac group; Google doc for out HABMAP group to add to); meeting in Sacramento for conversation - re: bulletin

- streamline protocols

- build template for reporting data

- CenCOOS: extending stations north of SC, Bodega doing unofficial work, physical data still comes from Humboldt station (counts are happening, but they don't leave Humboldt), Raphe trying to get San Fran as part of HABMAP

