

# New Buoy Deployments

**GLEON 9: Oct 15, 2009**

In response to multiple requests at GLEON 9, this group formed from individuals wanting help in building and deploying new buoys. The group consensus was that the knowledge base within GLEON be documented and that GLEON become a resource for the actual nuts and bolts of building and deploying a buoy. The goal is to provide as much documentation covering as many of the questions raised by the group and to make these documents available to members on the GLEON web site.

This document lists many of the questions and suggestions that were made. It also describes what is currently in place for answering those questions and offers a strategy to produce the documents.

## ***Participants:***

Kyle Kwaiser; Paul Del Giorgio; Jen Klug; Jim Rusak; Dale Robertson; Jeff Houser; Alejandro Dussailant; Alo Laas; Michael Head; Ismael Kimirei; June Fichter; Mike Vanni; Susan Hendricks; Catherine O'Rilley; John Lenters; Kevin Rose; Jordan Read; Brenda Babin; Luke Winslow; Ken Morrison; Tim Meinke(contact if your name was missed).

## ***Deployment Questions:***

How do I build a reliable platform?

How do I moor my buoy?

Is there knowledge or experience for under ice deployments?

What's the best way to integrate spatially (laterally) distributed sensors in my lake?

What's the best defense against vandalism and animal damage?

How do I keep costs down?

Could there be a universal buoy structure?

Are there buoy designs or criteria available?

## ***Selecting Sensors/Producing Data:***

What sensors are needed on a buoy?

What sensors are useful to GLEON?

What sensors will engage citizen scientists?

What are the sources (vendors) for specific sensors/instruments?

What are members experiences with various sensors/vendors?

Which sites are using the sensor I'm interested in?

How do I feed/stream my data to GLEON?

How do I QA/QC my data?

### ***Member Suggestions:***

Provide opportunities to share and distribute technical information.

Hire staff for near real time QA/QC.

Provide an FAQ.

### ***How to move Forward:***

Knowledge and documents do exist to answer most of these questions but they are not necessarily readily available to all or are not easily found.

Currently GLEON has 2 list-serves for addressing software or technical questions.

We (Meinke, Morrison, Winslow) will organize these questions into categories of knowledge and that members on the list-serve sign on to create the documents.

All GLEON members are encouraged to subscribe to these list-serves and where appropriate, help to produce answers to these questions, either independently or as a small group.

Subscribe to the list-serve by following the instructions on the GLEON web site under the "Membership" tab.