

**CIOSS Council of Fellows Meeting - Local**  
**Wednesday, August 27, 2008**  
**Summary and Follow-Up**

**Local Members present:** Curt Davis (Chair), Mark Abbott, Hal Batchelder, Dudley Chelton, Roger Samelson and Ted Strub (ex-officio).

Local Members absent: Ricardo Letelier, Mike Freilich (extended leave).

**Updates to membership:**

Hal Batchelder was added to the list of CIOSS Fellows as well as the Council. He will serve as Deputy Director during the upcoming year.

**Summary:**

**1) Deputy Director:** Hal Batchelder has agreed to take on certain duties as Deputy Director for the coming year. These include: (a) Annual and Final (first 5 years) Reports; (b) Omnibus Proposal (goading of PI's and final assembly of text). Hal is also the representative for PNW (OR-WA) Academic Scientists on the PaCOOS Executive Committee and will help to find opportunities for CIOSS interactions with PaCOOS.

**2) Long-Term Plans for CIOSS During the Second Five Years:**

- Ted presented the argument that increased interactions, coordination and collaborations are needed with NOAA partners to derive a greater benefit from CIOSS' existence in the future. These will (a) established partnerships that will continue beyond the present five years, even if CIOSS ceases to exist; and (b) help CIOSS to "re-compete" in 4 years time. At that time NOAA will look closely at CIOSS' interactions with NESDIS and ask whether the relationship is benefiting NOAA. CIOSS will not have on-site NOAA personnel. If there are not a significant number of active collaborations between CIOSS academics and NOAA scientists, CIOSS will be considered a failed experiment. We have a few real interactions but we need more.
- Dudley noted that establishing "pilot" projects with CIOSS core funding does not necessarily lead to future funding from other NOAA sources. This is true and expresses a traditional NSF or NASA framework. Within NOAA, however, the process is to get NOAA personnel interested in projects that are perceived positively, then to help those people sell the need to continue those projects. This requires developing personal relationships between academic and Federal partners, which we will attempt to do through partnerships begun with CIOSS core support. This is not a new idea, but one we will pursue more energetically.
- For example, Kent Hughes controls a source of internal research funds for "Ocean Remote Sensing" (ORS). His Science Teams "compete" for these funds in terms of developing annual "work plans". Kent will encourage those Teams to involve CIOSS personnel in their planning. Chris Woods (sitting in for Ingrid Guch as our second Program Manager) suggests that CIOSS personnel join Kent's Science Teams and help develop annual plans. Kent agrees, so we need people who will actually do this.

- When asked directly whether funds beyond CIOSS' core funding could come to CIOSS from the ORS "pot", Kent said it was possible, but the Science Teams would have to agree to this. Thus, persuasive interactions with the Science Teams are needed during the planning phase. *Note: Kent has sent a memo to his team leads, encouraging this interaction during discussions that formulate the annual work plans.*
- It was suggested that Steve Brandt, the new OSU Sea Grant Director, help with our NOAA interactions. Sea Grant is more allied with fisheries (NMFS) and CIMRS is the NMFS CI, so funding from NMFS might be expected to go through CIMRS. But if the projects are initiated by, or strongly involve, CIOSS personnel and activities (esp. remote sensing), they could come through CIOSS.
- Mark further noted that CIOSS is unlike the Joint Institutes, in that it is not connected to a specific lab. This gives it greater freedom in making partnerships within all parts of NOAA, not just NESDIS/STAR.
- Mark suggested that CIOSS help NOAA out in areas where it is having trouble and in danger of failing. The topics he suggested were (1) Ocean Color remote sensing; and (2) Interactions with IOOS, especially PaCOOS, where the West Coast Governors agreement is using PaCOOS as a mechanism for addressing oceanographic and fisheries concerns. Hal Batchelder may help with PaCOOS.
- Other members suggested additional priority topics: (3) Scatterometry (coastal applications and future sensors); (4) Cross-cutting themes (multi-sensor applications for PaCOOS, NMFS, others); and (5) Coastal applications of altimetry (added later by Kent Hughes and Chris Brown).
- Looking toward future sensors brings the possibility of substantial "Risk Reduction" funding. Known programs include VIIRS, XOVWM (SCAT), Jason-3, other NPOES? International sensors (especially MERIS)?
- We should match Kent's (and others') needs with ours, showing how to lead the way. Dudley's interactions with NCEP indicate how much effort is needed to get the attention of some NOAA program managers, whose first reaction to suggestions for new collaborations (or any changes) is to perceive those suggestions as threats to their funding or to their control over their "territory."

**3) Short-Term Plans for CIOSS – Projects for the Next Year:** See the separate summary of a follow-up discussion with Kent Hughes and Chris Brown. Briefly, the Local Council discussed seven projects:

- Three Ocean Color projects that have been discussed with Kent and Chris Brown – (a) MODIS/MERIS cross-calibration and high-resolution product development (Curt Davis, lead), with a focus on coastal products; (b) HAB work to extend MERHAB activities (Peter Strutton, lead); and (c) HOTS data set analysis for IOP and biological parameters, spanning the period of data from SeaWiFS, MODIS, MERIS, VIIRS. Additional coastal data sets would also be collated and used.
- Three modeling projects that extend present work – (a) Adding biological models and satellite analysis to the present pilot prediction system (Alexandre Kurapov, lead); (b) Coupled atmosphere-ocean modeling, extending work done here and at

UCLA (Roger Samelson, lead); and (c) Extending the pilot prediction model into the Columbia River Estuary (Roger and Jim Lerczak, leads).

- The air-sea interactions that Dudley is doing with Qingtao Song, developing further collaborations with NCEP (Dudley Chelton, lead). Funds for Qingtao's stay at NCEP might be needed, but this has changed slightly since our meeting.

After the meeting, two other projects were discussed by Ted and others:

- IOOS-OrCOOS: Developing enhanced products to serve through web sites maintained by OrCOOS, NANOOS and CoastWatch (Jack Barth, lead, with Ted).
- Scatterometer-SAR Comparisons: Extending the high-resolution Scatterometer land-mask that Barry Vanhoff is developing along the west coast to other regions around the US and validation with SAR winds. This is presently funded but the interactions could be enhanced, looking forward to future funding. (Ted Strub, lead).

The next action was for Ted to discuss these projects and the overall strategy for CIOSS with Kent Hughes and Chris Brown, which occurred on Sept 4, 2008. See the separate summary of this discussion. Generally, Kent and Chris welcome increased interaction between CIOSS academics and NOAA scientists and will push for this on their side. Kent has already sent a memo to that effect (Sept 8). Ted will do the same within CIOSS. There was no mention of cuts to CIOSS' core funding during this discussion. In fact, when Ted noted that only about 4 of the suggested projects could be funded with CIOSS core funding, Kent brought up staggered starts, etc. He also urged his scientists to keep these projects in mind for other sources of funding.

Since the Council meeting, Ted has contacted Laury Miller for coastal altimetry collaborations (positive response) and both Bill Pichel and Paul Chang regarding interactions with Barry Vanhoff (coastal scatterometry, positive response from Bill). He will also contact Mike Ondrusek (for the 3 color projects) and the NOS and JCSDA modelers (for the 3 modeling projects). Dudley is discussing the air-sea interaction collaboration with NCEP contacts. Ted will also discuss the IOOS product development with Paul DiGiacomo and Dave Foley and explore SST products with Jack Barth, Tim Mavor and Alexander Ignatov (Kent's Team lead for SST). That will leave only the Science Team for Sea Ice (Pablo Clemente-Colon) without a contact. Anyone interested in sea ice or lake ice?