

Outreach & Capacity Building in VAMOS

Represented by Lisa Goddard
IRI/Columbia University

Typical Activities for Outreach & Capacity Building

- **Connection to regional institutions/activities**
- Trainings
- RCOFs
- Workshops
- Articles
- ???

What type of capacity building is VAMOS (and its projects) interested in developing/continuing?

What level of involvement is possible/reasonable?

What are most important groups to target? Academia; gov't; sectoral agencies/researchers?

IASCLIP

- Forecast forum <http://coaps.fsu.edu/iasclip/>
- Visits to Dominican Republic & Colombia (June)*
- Caribbean RCOF*
 - Barbados. 21-23 June. Approx 45 participants, including reps from 10 Met Services.
 - Planning future CPT training (or similar training) in region
- IASCLIP Alliance
- IASCLIP-DYNAMO special session (October 6) at the [NOAA's 35th Climate Diagnostics and Prediction Workshop \(CDPW\) Raleigh, NC, October 4-7, 2010. Abstracts were due July 2, 2010.](#)

** Trip reports posted to IASCLIP pages on UCAR site*

VOCALS

- Meetings held
 - **July 2009:** *Second VOCALS Meeting*, Seattle. 70 presentations, 90+ attendees. Included VOCALS SWG Meeting
 - **Dec 2009:** *AGU Special Session on VOCALS*, 50+ abstracts, oral and poster presentations
- Meetings planned:
 - **Dec 2010:** *AGU special session*
 - **March 2011?:** *Third VOCALS Meeting*, ???
- Papers
 - Atmospheric Chemistry and Physics (EGU Journal) VOCALS Special Issue set up (September 2009)
 - US CLIVAR *Variations* papers (2)
 - Issue in CLIVAR Exchanges dedicated to VOCALS
- Local/national engagement?

MESA

- Meetings held:
 - **Nov 2009:** *The international summer school on land-cover change and hydroclimate of the La Plata Basin*. About 45 students from seven countries in South America participated in an intensive course on the role of land cover and ecosystems on the La Plata Basin regional hydroclimate. (supported by IAI)
- Meeting planned:
 - **NEXT WEEK:** Training Institute on the Use of Seasonal Predictions for Applications in Latin America
 - From Global to Regional Seasonal Predictions
 - Translating Science into Applied Knowledge for Informed Decision Making
 - Use of climate information: Experiences and needs in disaster risk reduction
 - Use of climate information: Experiences and needs from the water management / agriculture / health sectors
- Trainings, summer schools, topical workshops (not just monsoons)
Who are target audiences?
- Papers
 - Submission of a review South American monsoon paper to the International Journal of Climatology

NAME

- Forecast forum (through NCEP-CPC)
- Connection to CLIMAS (RISA for SW US)
Lots of trans-boundary scientist/social scientist/stakeholder work, esp. with water managers, disaster-relief planners, in US-Mexico border region and in the Southwest (AZ and NM).

NOAA-SARP Moving Forward: Project website:

<http://udallcenter.arizona.edu/sarp/>

SARP/IAI/CLIMAS

workshops:<http://udallcenter.arizona.edu/sarp/workshops.php>

Binational Climate

Summary:<http://www.climas.arizona.edu/outlooks/bcs>

CLIMAS (homepage and links):<http://www.climas.arizona.edu/about>

Transboundary projects at Udall

Center:<http://udallcenter.arizona.edu/ecw/index.php>

CLIMAS Monsoon-Related Outreach

- Quarterly interactive video-briefings (webinars), since late 2006, present forecasts to stakeholders primarily within Arizona and New Mexico (but one experiment with a bilingual webinar that included Sonora)
<http://ag.arizona.edu/climate/ws/breeze.htm>.
- On-line Newsletter (Southwest Climate Outlook; ~1700 recipients)
 - focuses on monsoon precipitation
 - Each Outlook contains ~1000word article on the monsoon (research updates, prediction focus) http://www.climas.arizona.edu/files/climas/pdfs/feature-articles/2010_jun_monsoonexperts.pdf
- Annual fire prediction workshop for the western U.S. - Co-sponsored by the National Interagency Coordination Center (fire), CLIMAS, and DRI's Climate Ecosystem and Fire Applications center. <http://www.climas.arizona.edu/projects/fire-climate-workshops>
 - Chief audience is the National Interagency Fire Center's Predictive Services organization, as well as some participants from Mexico (SMN, INIFAP), and Canada. Climate scientists involved in this briefing have included Dave Gutzler, John Roads, Chris Castro, and Klaus Wolter. WE CAN USE MORE DIRECT INPUT FROM THE NAME FORECAST FORUM and allied researchers.

CLIMAS-VAMOS Links?

- CLIVAR-NAME-VAMOS can help by **advocating** for NSF/CONACyT support for an experimental regional climate center (or decision-making under uncertainty center), for the monsoon region within Mexico, that combines basic and applied science with extension-like activities.
- **Key need** is an integrated Mexico-U.S. website
 - region-specific data and information (bilingual) for the monsoon region
 - Explicitly expressing forecast skill and guidance on how to use forecasts
- Stakeholders value
 - info comes from multiple sources (i.e., legitimacy; "honest broker");
 - **not only** forecasts, but information on climate variability (e.g. diagnostic of past events) and past impacts -- link the forecasts to the impacts;
 - as much local information as possible - make it relevant to the end users (this requires local champions, such as NWS offices); AND
 - iterative, face-to-face, engagements with stakeholders, which is VERY important for building capacity.

More thoughts from CLIMAS

- The ideas expressed are relevant to CLIVAR (no caveats), but also to NAME, but with the following NAME-related caveats: (a) U.S. stakeholders are more likely to use the webinar format; (b) call me an optimist, but I believe that we can build capacity in Mexico to use "alternative communication media," but it will take effort and a champion within Mexico; (c) we can probably leverage the Foros de Prediccion that SMN sponsors twice a year to do monsoon-related outreach and capacity building. Valentina Davydova and Martin Ibarra-Ochoa of SMN should be receptive.