

To: Ware Seguin, STAC Chair
From: Frank Aikman, Chair, AMS Committee on the Coastal Environment
Subject: Annual Report 2013 – AMS Committee on the Coastal Environment
Date: 22 November 2013

1. In January 2013 we held the 11th Symposium on the Coastal Environment in Austin, TX, at the 93nd AMS annual meeting (see #3 below). Other major activities in 2013 included preparation and organization of the 12th Symposium on the Coastal Environment, to be held in February 2014 in Atlanta, GA, at the 94nd AMS annual meeting (see #3 below). Frank Aikman will step down as the CE Chair in 2014 and Andre van der Westhuysen will become the new Chair. Frank Aikman will stay on the CE Committee and extend 3 years. The CE Committee met in Austin, TX in 2013 and will meet again in Atlanta, GA in 2014. Additional committee communications were conducted by telephone conferences and email.

Here are the specific report details as requested by the STAC Commissioner:

2. Members rotating off the committee:
 - a. Robert Beardsley, Michael Bruno and Nancy Dean rotated off in 2013
3. New members (subject to AMS Council approval - (names only) and leadership changes.
 - a. In 2013 the CE Committee had an election for one new member to a three-year term (Arthur J. Miller) and a second student member (Michael DeFlorio) to a two-year term;
 - b. Three members come to the end of their terms in 2013 (see #1 above) and have resigned. Three of our members accepted a second three-year term. This brings the total membership to fourteen (with the two new members nominated).
 - c. Frank Aikman will step down as the CE Chair in 2014 and Andre van der Westhuysen will become the new Chair. Frank Aikman will stay on the CE Committee and extend 3 years.
4. Conferences, symposiums held during 2013:

In January 2013 we held the 11th Symposium on the Coastal Environment in Austin, TX, at the 93nd AMS annual meeting. The 11th CE Symposium topics focused on both basic and applied research issues involving understanding, analysis, and prediction of the coastal atmosphere and ocean. There was an emphasis on the coupling of atmospheric, oceanic, and hydrological processes and models and examining their effects on ecological processes and responses, coastal urban effects, and ocean and air quality. The Symposium engendered practical considerations and applications of interdisciplinary

field programs, advances in remote sensing and in-situ observational networks, and advances in modeling and forecasting.

A total of 60 abstracts comprised the two day Symposium, which included:

- (1) A Themed Joint Session with Satellite Meteorology, Oceanography and Climatology (SMOC) on the “Ocean, Atmosphere, Hydrosphere, and Land Surface Interaction in the Coastal Environment”;
- (2) Sessions on “Air-Sea Coupled Modeling Processes & Operational Prediction”;
- (3) Sessions on “Ocean Operational, Pre-Operational and Transition Model-Based and Observationally-Constrained Forecast Systems for the U.S. Exclusive Economic Zone [EEZ]”;
- (4) Sessions on “Pre-Operational, R&D Regional Coastal Ocean (EEZ) Circulation (& Related) Models Run in Real-Time in Academia and Industry”;
- (5) Sessions on “Climate Trends and Projections in the Coastal Environment”; and
- (6) Sessions on “Storm and Inundation (Surge) Flooding.”

The session chairs of the 11th Symposium on the Coastal Environment were comprised of both CE Committee members and non-members.

Other major activities in 2013 included preparation and organization of the 12th Symposium on the Coastal Environment, to be held in February 2014 in Atlanta, GA, at the 94nd AMS annual meeting. As for the 11th CE Symposium, the 12th CE Symposium topics focus on both basic and applied research issues involving understanding, analysis, and prediction of the coastal ocean and atmosphere. There is an emphasis on the coupling of atmospheric, oceanic, and hydrological processes and models and examining their effects on ecological processes and responses and ocean and air quality; as well as on climate projections in the coastal environment; air-sea coupled modeling; coastal ocean R&D, pre-operational and operational models; and storm and inundation.

A total of ~40 abstracts comprise the two day 12th CE Symposium. The session chairs of the 12th Symposium on the Coastal Environment will be comprised of both CE Committee members and non-members.

5. The CE Committee met in Austin, TX in 2013 and will meet again in Atlanta, GA in 2014. Additional committee communications were conducted by telephone conferences and email.
6. AMS statement and position papers. None
7. Special activities (short courses, outreach). None.
8. Glossary of Meteorology (GoM) support: The committee provided several recommendations on proposed additions/edits to the GoM.

9. Member recognitions and awards:
 - a. Allan F. Blumberg was nominated by the CE Chair (Frank Aikman) to become a Fellow of the AMS
 - b. Malcolm Scully moved from Old Dominion University to the Woods Hole Oceanographic Institution
 - c. Mona Behl moved from the AMS (Washington, DC) to Texas A&M University and Texas Sea Grant
10. Student member recognition and award: None
11. CE Committee Plans for 2014:
 - a. As mentioned above in #3, preparation and organization of the 12th Symposium on the Coastal Environment, to be held in February 2014 in Atlanta, GA, at the 94nd AMS annual meeting, has been done.
 - b. CE is also planning to hold the 13th Symposium on the Coastal Environment in 2015 at the 94nd AMS annual meeting, in Phoenix, AZ.
12. Issues you would like to see the STAC and/or the Council to consider: - None.
13. Additional items:
 - a. We updated our AMS website to the new standard template
<http://www2.ametsoc.org/stac/index.cfm/committees/committee-on-coastal-environment/>
 - b. We have significantly expanded our STAC website in 2013. In addition to an update to our Committee description and mission statement, our site now includes repositories of past annual reports, past symposium descriptions and announcements of future symposia. In order to increase the exposure of our symposia, we have also included a page showcasing a selection of recent presentations, with links to the annual meeting extended abstract repository.
 - c. We provided two judges for the Francis W. Reichelderfer Award.

Respectfully submitted,

Frank Aikman III
Chair, Coastal Environment Committee