

Continued Science & Technology Success Depends on a Science Director

ASBPA is taking the next step in expanding our coastal science and engineering work by hiring a Science Director in 2018. This is an important step forward in ASBPA’s growth, and will ensure that ASBPA continues as the nation’s leading organization in advancing coastal science and engineering.

The [ASPBA Science and Technology \(S&T\) Committee](#) has had some major accomplishments lately. This work has been completed with volunteer effort; however, this level of performance from unpaid volunteers is unsustainable. Continued success will require a compensated staff position who can direct these efforts.

1. [U.S. Coastal Research Program](#) - ASBPA S&T co-leads a community of researchers from federal agencies, academia, and industry toward the development of a sustained, coordinated national research program. Goals are to identify research needs, better coordinate federal research activities, more efficiently utilize funding, strengthen academic programs, and build a skilled workforce.

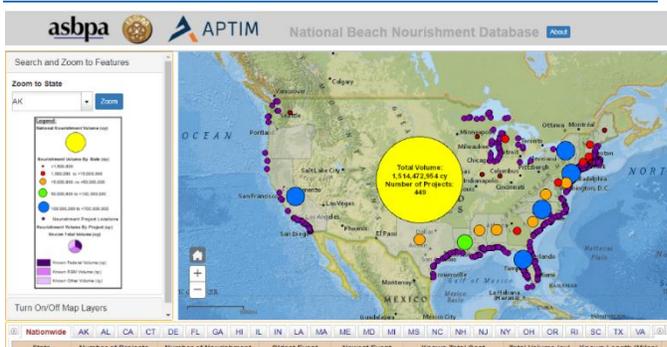
ASBPA S&T has organized workshops and co-authored reports for this effort, which include the [Future of Nearshore Processes Research](#) report and workshop (2014); a Federal workshop (Mar 2016) and National outreach effort to produce the “[U.S. Coastal Research Implementation Plan](#)” (pictured) that inventories ongoing research and existing and potential collaborations; the 1st National Nearshore Collaboration workshop (Dec 2016), where numerous [collaborative research projects](#) were initiated. ASBPA S&T also coordinates the Nearshore Academic Council (NAC) to encourage a more cohesive coastal academic community.



Next steps include:

- Continued coordination of program development and of the academic community;
- Formalization of a governance structure;
- Coordination for long-term interagency research collaborations such as a large-scale field experiment; &
- Expanding national (non-federal) engagement and participation.

2. [ASBPA’s National Beach Nourishment Database](#) - 449 projects have placed >1.5 billion cubic yards of sand on US beaches since the 1920’s. The geodatabase, developed in partnership with the USACE Regional Sediment Management (RSM) Program and APTIM, includes federal coastal storm damage reduction projects, beneficial placement of navigation sediment on beaches, and state/local/private beach nourishment projects. It maps the volume of sand, cost, and length of shoreline restored.



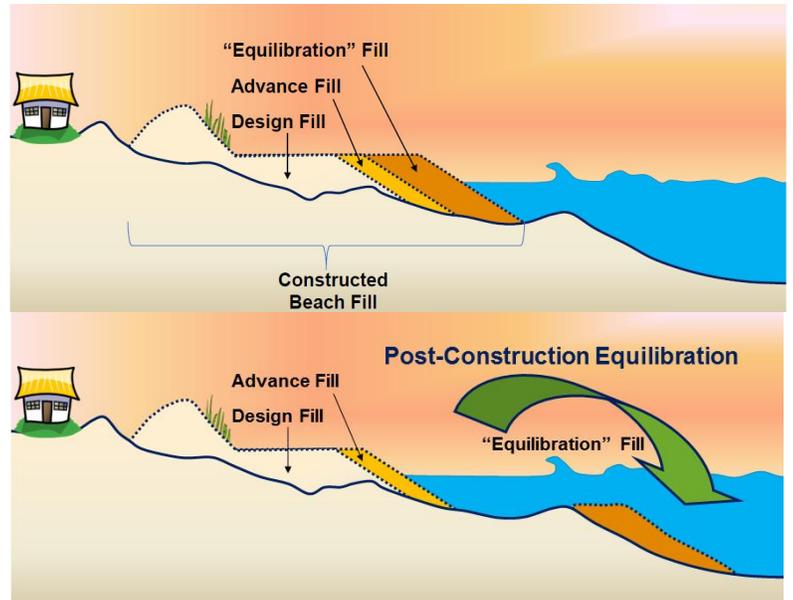
Next steps include:

- Outreach to federal & state agencies to verify existing data and include missing projects (particularly in Great Lakes);
- Upload and update new projects as they come online; &
- Outreach to stakeholders (communities, academics, industry) to identify missing projects and promote use of database.

3. [White Papers for Public Outreach](#) – ASBPA has published at least one White Paper per year for the past 5 years. The intended audience for these papers are non-technical coastal professionals and stakeholders. Recent topics include [Beach Nourishment Profile Equilibration](#) (2017-pictured) and [Impacts of Beach Nourishment on Infaunal Communities](#) (2016).

Next steps include:

- White paper on Regional Sediment Management; &
- An update to the State of U.S. Coastal Science & Engineering.



4. [Dune Management Challenges on Developed Coasts](#) - ASBPA S&T seeks to help coastal managers guide academic research on beach and dune management and have better access to, and understanding of, the latest academic research on beaches and dunes. To accomplish this, ASBPA organized and co-hosted a national workshop on dune management in 2015 bringing together managers and researchers to discuss management challenges and research needs.

Online agenda: http://www.asbpa.org/dunes/dune_workshop_agenda.htm

Dune Management Challenges on Developed Coasts

October 26-28, 2015
Kitty Hawk, NC

The workshop produced a [report](#) and a call for research proposals on dune management. [Six grants](#) were awarded to academic researchers to support graduate students. The six projects will be presented during the ASBPA Fall Conference in Ft. Lauderdale in October 2017.

Next steps include:

- Developing a coastal dunes “community of practice”; &
- Implementing this successful workshop format for different applied research topics to continue to encourage academic-manager interactions.

We are excited to build upon these successes and develop new initiatives. Securing a Science Director for ASBPA will ensure continued success!