



Navigation eNews

Volume 16 – November 2009

The *Navigation eNews* is issued every two months. We hope it is an easily perused, useful newsletter. Please send us a paragraph or two when you’ve something to share with the navigation community: dinah.n.mccomas@usace.army.mil. All issues are available on the Navigation Gateway, <http://operations.usace.army.mil/navigation.cfm>.

Contents

USACE and IOOS.....	1	Of Interest	2
Smart Rivers Becomes a Global Exercise.....	1	Conferences, etc.....	2

IOOS

The USACE is taking a more active role in the interagency partnership with the Integrated Ocean Observing System (IOOS®) Program (<http://www.ioos.gov>) through the assignment of a USACE liaison, Linda Lillycrop. She will sit permanently with the IOOS team at the NOAA IOOS Programs Office in Silver Spring, MD. The IOOS is a federal, regional, and private-sector partnership working to enhance our ability to collect, deliver, and use ocean and coastal data and information. IOOS delivers the data and information needed to increase understanding of our oceans, coasts and Great Lakes, so decision makers can take action to improve safety, enhance the economy, and protect the environment. Common data management protocols and formats allow data to be discovered, shared, and used. The Corps, as both a provider and user of data and tools/models which use data, has much to contribute as well as to gain from participation in the IOOS program.

The goal of the USACE-IOOS partnership is to bring USACE R&D, Division, and District office participation, coordination, and collaboration to the IOOS national program. A USACE and IOOS workshop was recently held in Pacifica, CA, with representatives from the USACE Regional Sediment Management Program including representatives from 14 districts and 4 divisions. Zdenka Willis, Director of the National IOOS Program at NOAA, Molly McCammon, Chair of the National Federation of Regional Associations (<http://www.usnfra.org/>), and Julie Thomas, Executive Director of the Southern California Coastal Ocean Observing System (<http://www.sccoos.org>) represented the IOOS and Regional Associations. The goal of the workshop was to begin to develop a national plan for greater USACE participation in IOOS. An outcome of the workshop was to encourage a series of meetings between IOOS regions and District offices. For further information contact the USACE IOOS Program Liaison, Linda Lillycrop, at Linda.S.Lillycrop@usace.army.mil.

Smart Rivers Becomes a Global Exercise

By Hélène Masliah-Gilkarov, via donau, Vienna, Austria

From September 6-9, 2009, the Vienna City Hall in Austria was the place to be for the “movers and shakers” in the field of inland navigation. The 4th International Congress of Smart Rivers ’21 registered a record attendance, with 300 participants from 25 countries. This included a 60-person delegation from the United States, as well as representatives of the Russian Federal Agency of Maritime and River Transport, the

Yangtze River Waterborne Transportation Institute and the Indian Ministry of Transport. All were there to discuss ways of ensuring and expanding the proper place of inland water transport in the global supply chain.

Following congresses in Pittsburgh, Brussels and Louisville, Vienna was the host of the discussions on the future of inland navigation. The Smart Rivers conference series provides a forum for participants from around the world to continue finding ways to improve inland waterway operations. The dialogue on trends, policy, technology and science can assist in establishing a common set of standards and operational approaches. The focus on cross-fertilization of ideas engenders more efficient and reliable inland waterway systems worldwide.

Organizers Otto Schwetz, President of the PIANC Section Austria, and Reinhard Pfliegl, CEO of Austria Tech, supported by the Austrian Waterway Maintenance Agency, via donau and the US Army Corps of Engineers, put together an intensive program of technical sessions, industry exhibits, and networking events. Four parallel session themes included financial concerns, infrastructure, ports, new technologies in River Information Services (RIS), performance measurements, education and training, and climate change.

The conference is over, but the work continues. The conclusions of this event, to be written by Otto Schwetz, will be available soon, and will be used as a reference for the next event in this series, scheduled for Fall 2011 in New Orleans. Presentations from the conference are posted online:

<http://www.smartivers.eu/index.cfm?id=24848> .

Of Interest....

Tales of the Coast Website

The "Tales of the Coast Website" is up and running. The Tales provides examples of coasts, morphology and dynamics, changing societal uses of the areas, and corresponding Corps involvement in helping address water resource needs whether they are related to coastal storm damage reduction, navigation, ecosystem restoration and other environmental considerations.

Other parts of the site describe the different types of coasts and relevant processes - information typically missing from other coastal websites, but relevant to Corps coastal work and coastal management more broadly. There is also discussion of "sharing the coast," and "the Corps and the Coast," - which includes Shore Protection, Navigation, Environmental Restoration, Regulatory Mission, Emergency Management, and Regional Sediment Management. Take a look: www.iwr.usace.army.mil/coasts

Navigation Engineering: Understanding the Basics of This Growing Specialty

A live interactive web seminar will be presented by the American Society of Civil Engineers and its Coasts, Oceans, Ports, and Rivers Institute (COPRI) on Wednesday, January 20, 2010, 12 Noon - 1 pm, Eastern Time. A single site registration fee will allow an unlimited number of people in an organization to attend from that site. For more information contact the webinars registrar at webinars@asce.org.

Navigation engineering is a new civil engineering specialty that involves the life-cycle planning, design, construction, operation, and maintenance of safe, secure, reliable, efficient, and environmentally sustainable navigable waterways (channels, structures, and support systems) used to move people and goods by waterborne vessels. It includes many existing engineering fields related to waterways and combines them into one specific discipline that supports the United States Marine Transportation System (MTS).

The seminar will be useful to those who work in the private sector, beginning engineers in the Corps of Engineers and other government agencies involved with navigation engineering, and also to those who

advise these organizations, such as attorneys. The discussion, though technical, involves no equations. Non-engineers can follow the material.

Introducing the Academy of Coastal, Ocean, Port and Navigation Engineering (ACOPNE)



Created in part to offer certification in key specialties, the Academy of Coastal Oceans Ports & Navigation Engineers opened its doors Oct. 1, 2009. The third academy launched by Civil Engineering Certification, Inc., ACOPNE will complement the Coasts, Oceans, Ports, and Rivers Institute by bestowing diplomate credentials to those who have excelled in one or more of COPRI's sub-disciplines. CEC was created in 2004 by the American Society of Civil Engineers (ASCE) Board of Direction to provide a mechanism for post-licensure certification of various civil engineering specialties. ACOPNE is the third academy created.

The ACOPNE-Profession comprises the individuals and professional organizations that are engaged in the sustainable development and protection of coastal, ocean, port, and navigation environments for the benefit of society in the United States and foreign countries. ACOPNE has defined the following subspecialty fields of expertise consistent with the sub-disciplines contained in COPRI: Coastal Engineering; Ocean Engineering; Port Engineering; and Navigation Engineering. For next application deadline and other application information as well as comments, questions, and suggestions, contact: info@acopne.org , or visit www.acopne.com .

Conferences, etc.

Know of a meeting of interest to our readers? Email details to Dinah.N.McComas@usace.army.mil.

25–28 April 2010. Ports 2010. Jacksonville, FL. <http://www.content.asce.org/conferences/ports2010>

10–14 May 2010. 32nd International Navigation Congress, PIANC Congress, 125th Anniversary. Navigation – Ports – Waterway; Liverpool, UK. <http://www.piancmmx.org.uk/>

30 June – 5 July 2010. International Conference on Coastal Engineering. Shanghai, China. <http://www.icce2010.cn/>

11–14 September 2010. PIANC 125th Anniversary Celebration. Nagoya, Japan. <http://www.pianc.org/>

19–24 September 2010. Worlds Canals Conference. Rochester, NY. <http://www.wccrochester.org/>

Fall 2011. New Orleans. Smart Rivers – dates to be decided.

20–24 February 2012. 8th PIANC-COPEDEC Conference on Coastal and Port Engineering in Developing Countries, Chennai (formerly known as Madras), India. <http://www.pianc.org/calendarcopedec.asp>