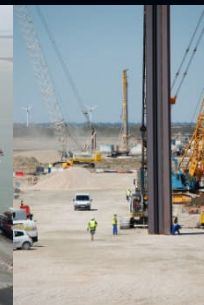




***PIANC working group reports, an
incentive for further researchs in the
navigation industry***

**La Défense / CNIT
16 of April 2014 from 14H to 17H30**



The french section of PIANC and the new CEREMA proposed a special issue during the TRA 2014 Meeting.

The President of the French section of PIANC and the Acting Director of the Technical division for water, sea and waterways of CEREMA are pleased to invite you to attend this meeting organised by PIANC and held **Wednesday, April 16th 2014** in the conference room Ampère 9 CNIT La Défense **from 2:00 p.m. to 5:30 p.m.**

This will be the opportunity to learn more about the latest publications of PIANC in the area of ports and maritime and coastal activities, and in the area of river waterways.

A round table moderated by Mr. Geoffroy CAUDE, International President of PIANC will be the opportunity to discuss complementary research aiming at continuing this work.

The president of the French section of PIANC The Acting Director of the Technical division for water, sea and waterways of CEREMA

Jean-Marc Medio

Olivier Piet

The French section of PIANC and the new CEREMA proposed a special side-event dedicated to PIANC working groups during the TRA 2014 Meeting.

Session 1 : maritime, port and coastal structures

- Advances in concrete armour units behaviour
- Harbour approach channels-design guidelines
- Guidelines for Scour at berthing structures, related to thrusters
- Design principles for container terminals in small and medium ports

Session 2 : river infrastructures

- Design guidelines for inland waterways
- Innovations in lock design
- Navigation structures resilience to overloading
- Waterways infrastructure asset management

Session 3 : sustainable navigation

- Guidelines for sustainable maritime navigation
- Green ports
- Initial assessment of environmental effects of navigation and infrastructure projects
- Water injection dredging