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Marine Consulting Engineers

# Climate change adaptation for ports and navigation infrastructure

## A PIANC seminar and workshop co-promoted by CEDA

Monday 7th March 2016

# Background

- In December 2015, 195 countries adopted the Paris agreement initiating an international plan of action to limit global warming to well below 2° C
- This will require significant additional measures i.e. far beyond what is already pledged
- Even if the agreement succeeds, we are already locked-in to a level of ongoing change in key climate parameters
  - Some of the challenges associated with adapting transport infrastructure to the effects of climate change are significant
  - Some of the countries and organisations that will be hit hardest are the least well resourced to adapt
- PIANC participated at COP21 on behalf of the 'Think Climate' coalition. The message from the discussions in Paris is clear

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**The time to act is now**

## Working Group 178

- As an international community the navigation sector needs to work together: to share experiences, to build capacity, and to facilitate solutions
- Structural and non-structural measures will be needed; adaptation needs to be institutional as well as physical
- PIANC's Working Group 178 is preparing a technical guidance document to help the owners, operators and users of waterborne transport infrastructure adapt to climate change
- By raising awareness and providing a platform for the sharing of information, today's workshop not only aims to contribute to the work of Working Group 178 but also to help those in the sector understand the issues, so that they can prepare to help others

## Format of the day

- Three sessions of presentations:
  - Interpreting the climate science
  - Identifying and assessing the risks
  - Resilience and adaptation solutions
- Speakers must keep to time please; Chairs to ask speakers to move to last slide when only one minute remaining
- Short questions of clarification only after presentations; plenty of time to discuss in groups
- Discussion sessions on common themes:
  - Maritime navigation infrastructure
  - Inland navigation infrastructure
  - Recreational navigation infrastructure
  - Dredging
- Notes from discussion sessions intended mainly to inform work of Working Group 178; short plenary on key conclusions
- Lunch: reminder