



PIANC WG 150

“A practical guide for a sustainable seaport”

Richard Marks
Royal Haskoning



Meetings of the Working Group took place as follows

- 31 January 2011 – Brussels (attended)
- 6 – 7 October – Amsterdam (couldn't attend)

- There was limited correspondence between meetings

- A draft Report was produced for discussion at the meeting held in October



The Working Group consisted of the following:

- Tiedo Vellinga - Port of Rotterdam (Chairman)
- Kris de Craene – Port of Antwerp (Vice Chairman)
- Daan Rijks – Boskalis (Secretary)
- Antonis Michail - ESPO
- Andrea Ferrante – PIANC MarCom
- Zhao Yifei – Sino-US Logistics Institute, Shanghai
- Karsten Galipp – Inros Lackner AG, Bremen
- Tetsuya Shirashi – Port & Airport Research Institute, Japan
- Wim Klomp – DHV, Amersfoort
- Carlos Peña – CLE Engineering, USA
- Horacio Salerno – Arup, Spain
- Rick Morton – Port of Brisbane, Australia



The Working Group had a number of alternates and Young Professionals

- Claire Bryant – RH later APM Terminals
- Joe Zelasney – US Department of Transportation
- Catherine Mulvey – US Army Corps of Engineers



The draft Report was published on 1 October and discussed at the meeting in Amsterdam

WG150 'Sustainable Ports'

Report

Date : 1 October 2011
Author : Daan Rijks
Revision : 0
Chairman : Tiedo Vellinga, Kris De Craene

Revision Status					
Rev	Date	Reason for Issue	Prepared	Checked	Approved
01					
02					
03					



The draft Report has the following contents

- Introduction
- Role of the Port
- Basic drivers and considerations
- Sustainability issues
- Tools to support the implementation of the guideline
- Institutional and social aspects
- Conclusions and recommendations
- Case studies



Basic drivers and considerations

- Interesting section on history of UN initiatives
- Legal requirements on environment
- Economic drivers – competition, marketing, community, customers, fines
- The Green Port concept – impacts on society
- Climate change



Sustainability issues

- Construction and dredging costs
- Logistics chain and connectivity
- Air quality and emissions – energy strategies
- Water quality – runoff and ballast water
- Waste minimisation – port and ship
- Climate change – sea level rise, storms, temperature
- Climate adaptation
- Dredging
- Habitat management



Institutional and social aspects

- Governance to achieve sustainability
- Corporate Social Responsibility
- Stakeholders – and their management
- Financers and NGOs



Case studies

- Renewable energy – Republic of the Congo
- Port of Los Angeles – Sustainability Plan
- US Marine Highways Program (similar to Motorways of the Sea in EU)
- USA National Clean Diesel Campaign
- MARPOL special areas
- North America Emission Control Area (similar to ECA in the Baltic and North Sea)



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Thank you for your attention