



# *International Association of Ports & Harbors* **World Ports Climate Initiative (WPCI) Update**

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Environmental Management Division Director  
Port of Los Angeles



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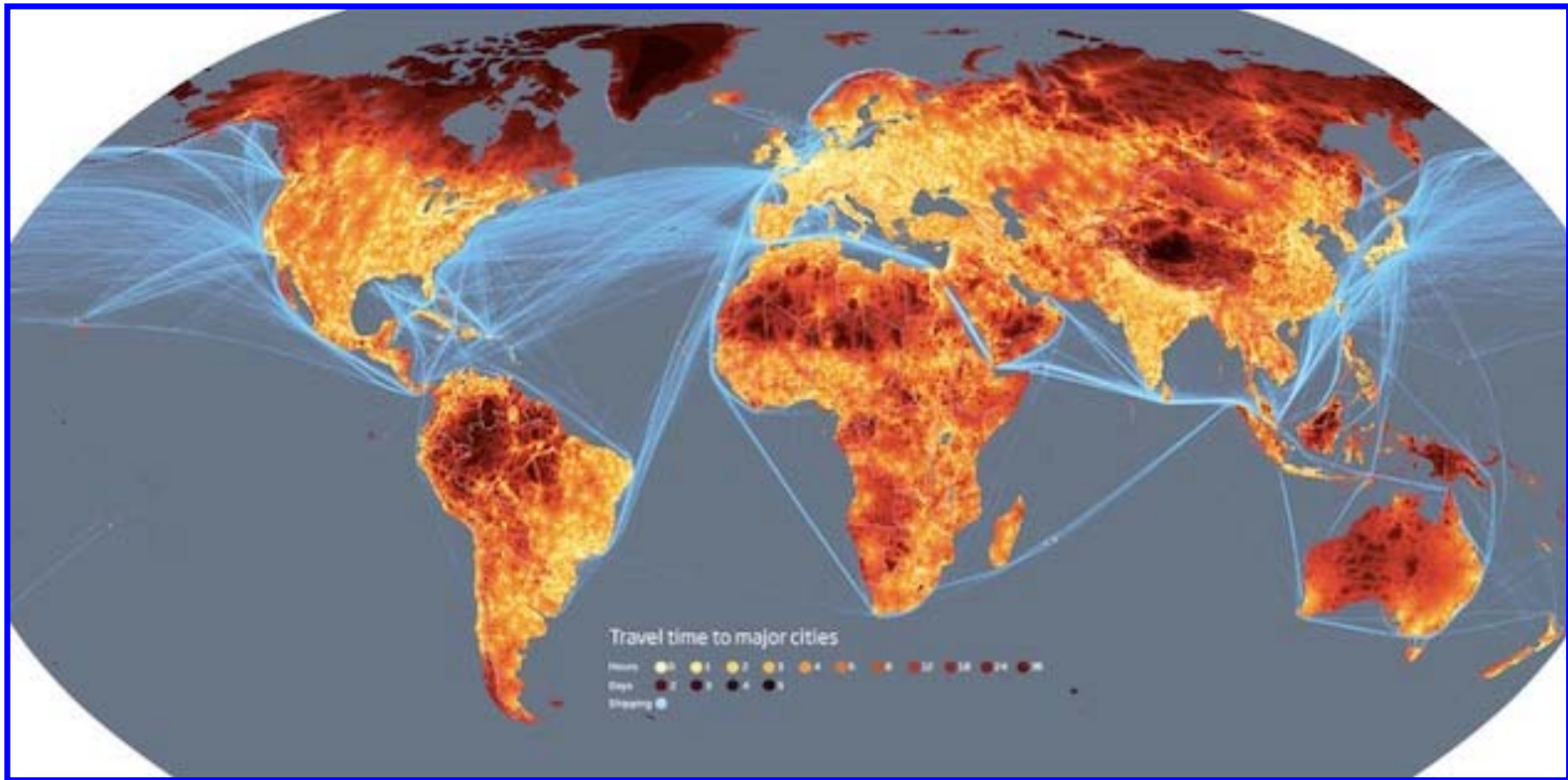
**98<sup>th</sup> AAPA Annual Convention**  
**25-29 October 2009**





# WPCI - Overview

- Background
- Updates
- Communication
- Carbon Footprinting
- **Invitation to Participate**





# WPCI Genesis

## Background

- Houston - May 2007 IAPH Resolution: Clean Air Program
- Dunkirk - April 2008 IAPH Resolution: Support for Climate Challenges
- Rotterdam - July 2008 C40 World Port Climate Conference: World Ports Climate Declaration
- Los Angeles - November 2008 IAPH Port Environment Committee Symposium: World Port Climate Initiative is Formed





# World Ports Climate Initiative

## Mission Statement

- Raise Awareness in the Port & Maritime Community of Need for Action
- Initiate Studies, Strategies, & Actions to Reduce GHG Emissions & Improve Air Quality
- Provide a Platform for the Maritime Port Sector for the Exchange of Information
- Make Available Information on the Effects of Climate Change on the Maritime Port Environment & Measures for its Mitigation



# WPCI Organization & Themes

## Cooperative Approaches to Climate Challenges



World Ports Climate Conference



55 Supporting Ports

**Regional Port Branch Organizations**

American Association of Port Authorities  
European Sea Ports Organization  
Pan African Port Corporation

**COMMUNICATION!!!**

**WPCI Bureau**  
FER VAN DE LAAR  
(DIRECTOR)

**IAPH Toolbox Expansion**  
Los Angeles

**Cargo-Handling Equipment**  
New York / New Jersey

**Intermodal Transport**  
Amsterdam

**Thematic Approach!**

**Carbon Footprinting**  
Los Angeles

**Lease Agreement Template**  
Montreal

**Environmental Ship Index**  
Rotterdam

**On-Shore Power Supply**  
Gothenburg





# Setting Goals for WPCI

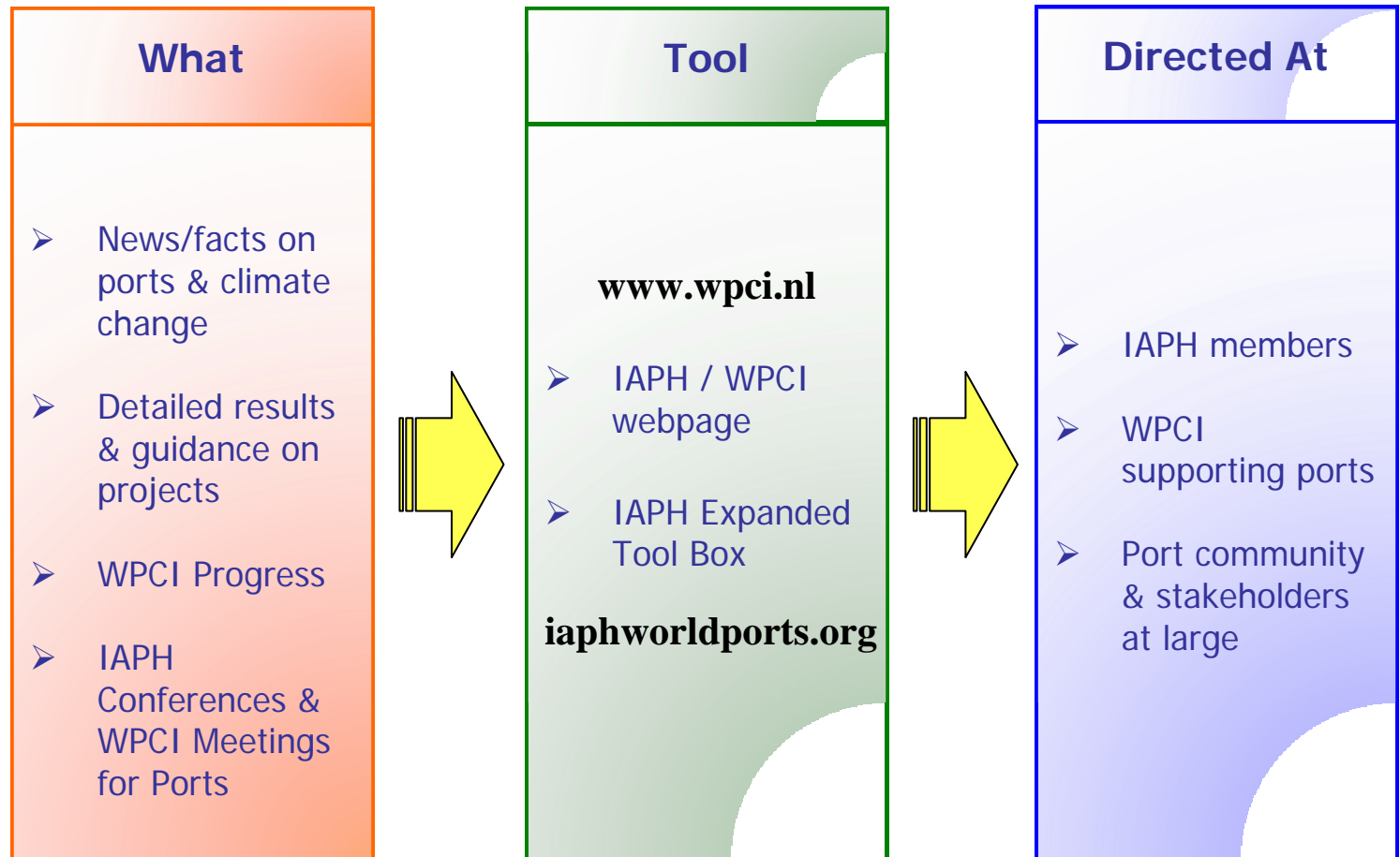
## Cooperative Approaches to Climate Challenges

- Increase the number of WPCI supporting ports from its original 55 (75 by mid year 2010 ?)
- Enlarge the number of projects (with project leaders)
- Set up and implement communication structure
- Maximize the number of WPCI ports engaged in CO2-footprint inventory and management
- Maximize the support for Environmental Ship Indexing, when established (ports, shipping lines, shippers, service providers)
- Organize global support from regional and global organizations





# Information Exchange & Communications



A CLEANER PORT.  
A BRIGHTER  
FUTURE.



World  
Ports  
Climate  
Initiative

#### MAIN MENU

- Home
- About Us
- Projects in Progress
- Studies
- IAPH Toolbox
- News/Events
- Links
- Photo Gallery
- Contact Us
- Comments/Suggestions

For comments and/or suggestions, [click here](#).

#### ANNOUNCEMENTS

- FEBRUARY 24, 2009**  
Port of Los Angeles unveils first electric drayage truck. [View >>](#)
- MARCH 25-27, 2009**  
9th IAPH Asia/Oceania Regional Meeting, Singapore [View >>](#)
- MAY 25-29, 2009**  
26th IAPH World Ports Conference, Genoa, Italy [View >>](#)

#### 2009 GREENPORT CONFERENCE



At the 4th GreenPort Conference held in Naples, experts advised port authorities and managers to start implementing environmental strategies now if they hope to reach their future expansion plans after the current financial crisis.

Over 200 participants from 40 countries around the world attended the event on February 25 and 26, 2009. Hosted by the Port of Naples, the conference was organized in association with the European Sea Ports Organization (ESPO) and the EcoPorts Foundation.

[View More...](#)

#### FIND WPCI MEMBERS

Fifty-five of the world's key ports have come together in a commitment to reduce their greenhouse gas emissions.

[Learn more about these ports](#)



search...

#### MEMBERS

-  Los Angeles
-  Amsterdam
-  Long Beach
-  Antwerp

#### FOUNDING PARTNERS



[www.wpci.nl](http://www.wpci.nl)

[iaphworldports.org](http://iaphworldports.org)





# Expanded Toolbox Update

- Green Technologies
- Emission Reduction Strategies
- What Worked/What Didn't

**IAPH TOOL BOX FOR PORT CLEAN AIR PROGRAMS**  
Improving Air Quality While Promoting Business Development  
A Reference Guide provided by the International Association of Ports and Harbors (IAPH)

**Introduction**

About The Toolbox  
Navigating the Tool Box

Welcome to the International Association of Ports and Harbors (IAPH) Tool Box. This Tool Box is to provide ports, both members and non members, with the planning process for addressing port-related air quality and climate change. It is a reference guide for ports to use in their planning process.

**Introduction**

Every port in every country has different needs and capabilities. It is important to have a clear understanding of the local context and the specific challenges faced by the port. The Tool Box is designed to provide a framework for addressing these challenges and to provide a path for understanding co-benefits.

**About The Toolbox**

In prior years, this Tool Box has dealt primarily with the reduction of greenhouse gas (GHG) emissions. However, with the increased concern for the effects of global climate change, the Tool Box has been expanded to include a section on climate change.

**A Call to Action**

The Challenge

The increase in goods moving along the network has led to an increase in air emissions. This is particularly true for ports, which are a major source of air emissions. The Tool Box is designed to provide a framework for addressing these challenges and to provide a path for understanding co-benefits.

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**Introduction**

This Tool Box is constructed with two main sections: air quality and greenhouse gases. The additional tab, "Integration," describes how and when strategies from each of the toolboxes create "co-benefits;" strategies that accomplish the goals of both subjects. Links embedded among many of the strategies in each toolbox also provide a path for understanding co-benefits.

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**Greenhouse Gases: International Context and Introduction**

Introduction: Reaching a Global Consensus

International GHG Reduction Initiatives and Partnerships

Other Multi-National, Municipal, and Maritime Related Partnerships

Introduction: Reaching a Global Consensus

Climate change is now commonly identified as one of the most urgent and critical issues facing the world. This is certainly the case now in the United States, where the "new chapter" on climate change saying "Few challenges facing America – and the world – are more urgent than climate change." The Fourth Assessment Report (AR4) of the Intergovernmental Panel on Climate Change (IPCC) confirmed that human actions are changing the earth's climate and creating ecosystems. This overwhelming scientific consensus has further galvanized the international community to take action. The Kyoto Protocol, which was adopted in 1997, is the first legally binding international agreement on climate change. It sets targets for industrialized countries to reduce their greenhouse gas emissions. The Tool Box is designed to provide a framework for addressing these challenges and to provide a path for understanding co-benefits.

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**Home** **Priority Pollutants** **Greenhouse Gases** **Integration**

**Introduction**

Air Pollutant Reduction Strategies In Clean Air Plans and Their Effect on Greenhouse Gases

GHG Co-Benefits from Air Pollutant Reduction Strategies

This Tool Box is constructed with two main sections: air quality and greenhouse gases. These topics are accessible from tabs on the main page. The additional tab, "Integration," describes how and when strategies from each of the toolboxes create "co-benefits;" strategies that accomplish the goals of both subjects. Links embedded among many of the strategies in each toolbox also provide a path for understanding co-benefits.

**Integration**

Air Pollutant Reduction Strategies In Clean Air Plans and Their Effect on Greenhouse Gases

Many strategies to reduce emissions under Port clean air plans also affect emissions of greenhouse gases (GHGs). Often, the effect is to decrease the amount of GHGs emitted in addition to reducing air pollutant emissions. These are referred to as "co-benefits;" strategies that accomplish the goals of both subjects. Links embedded among many of the strategies in each toolbox also provide a path for understanding co-benefits.

**GHG Co-Benefits from Air Pollutant Reduction Strategies**

Although air pollution reduction strategies are primarily designed to achieve reductions in diesel emissions and other toxic pollutants, they also have the potential to reduce greenhouse gas (GHG) emissions. The Tool Box is designed to provide a framework for addressing these challenges and to provide a path for understanding co-benefits.



# Carbon Footprinting Guidance Document Update

- Started in February at 2009 IAPH Naples Annual Meeting
- Designed to be User Friendly Guidance for Broad Range of Port Experience with Greenhouse Gases
- Monthly Meetings to Develop & Review Guidance
- Collaborative Effort
- To Be Rolled-Out at the IAPH Hamburg Regional Meeting
- Available Through WPCI Website

# Carbon Footprinting Theme

## Guidance Document Workgroup Update



**THE PORT AUTHORITY** OF NY & NJ



**PORT OF OAKLAND**

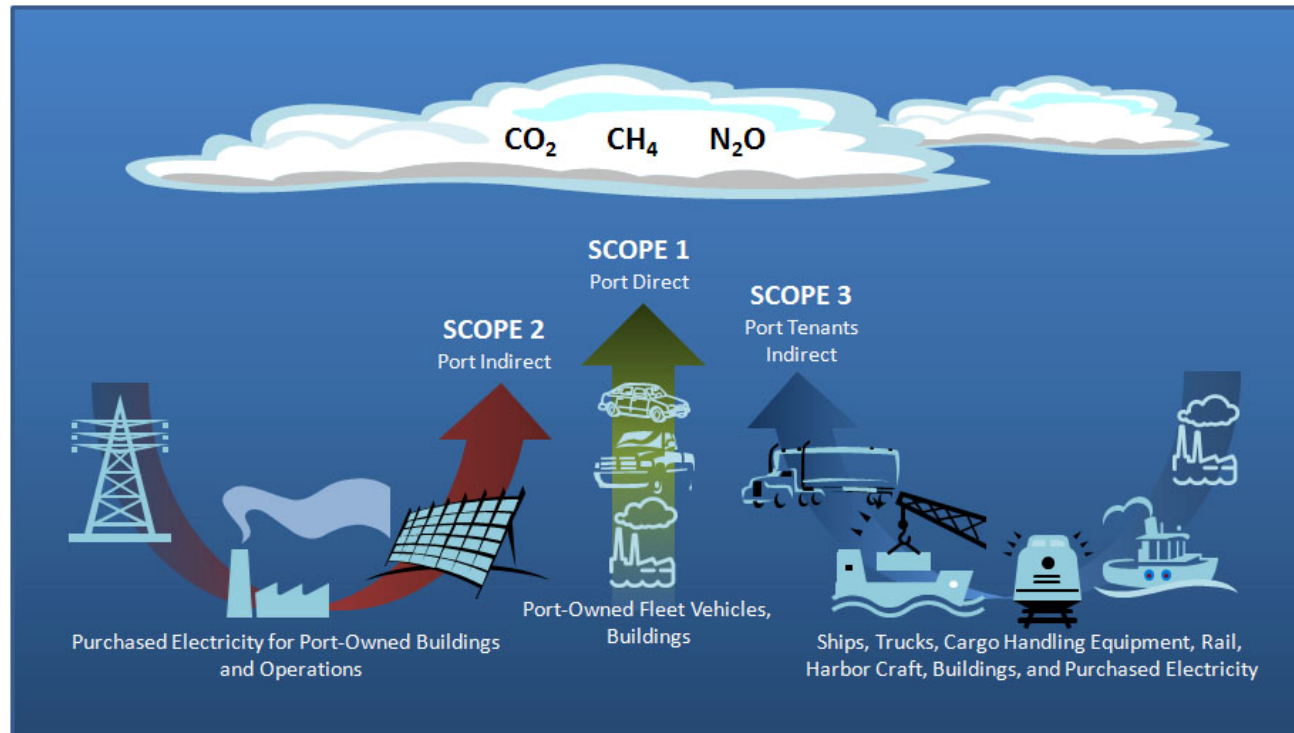




# Carbon Footprinting Workgroup

## The Footprint is Not What You Leave After Walking Through the Coal Mine

- Port-Related GHG Emission Sources - Scopes
- Inventory Approaches: Activity vs Surrogate vs Hybrid
- Inventory Boundaries
- Inventory Period, Frequency and Baseline Year

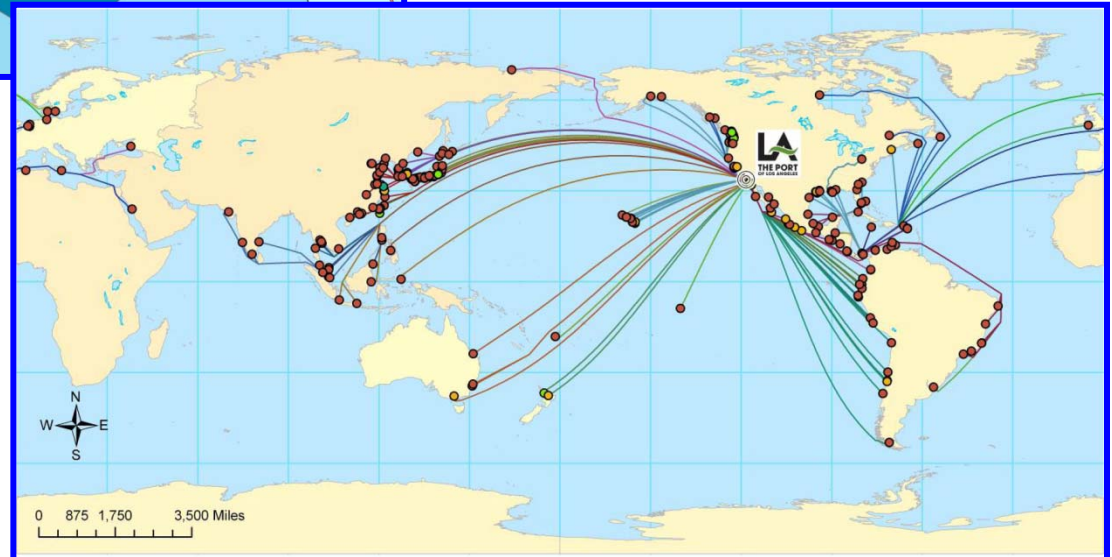
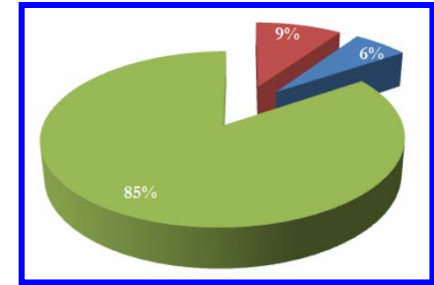
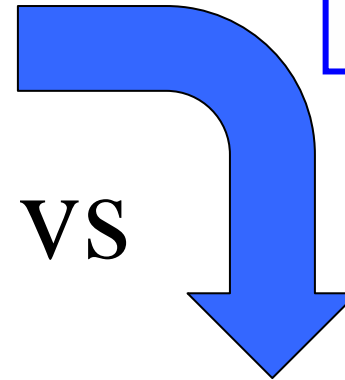






# Carbon Footprinting Workgroup

## ➤ Boundaries







# WPCI Update

## Upcoming Hamburg Meeting

- IAPH is Dedicating One Day to WPCI Theme Progress Update
  - ✓ Carbon Footprinting (Port of Los Angeles)
  - ✓ Environmental Ship Index (Port of Rotterdam)
  - ✓ On-Shore Power Supply (Port of Gothenburg)
  - ✓ Intermodal Transport (Port of Amsterdam)
  
- Meeting November 2009





# Where's the Western Hemisphere?

## If You're Not at the Table, You're on the Menu!

- Current Participants
- Opportunity to Provide Input/Influence Process Before Someone Else Prescribes Action
- Strongly Encourage AAPA Member Ports to Join & Actively Participate





# Contact Information

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<http://www.portoflosangeles.org>

