

International Marine Ports, Vessels, and Goods Movement Sustainability Forum

at the

December 10-12

**2012 U.S. – Taiwan Sustainability Symposium Creating Sustainable Cities and
Promoting Sustainable Ports in the Asia Pacific Region in Kaohsiung, Taiwan**

Session 1: Sustainability for marine ports, vessels and goods movement

Objective: Define the necessary elements for comprehensive strategies to achieve port, marine vessel and goods movement sustainability, including: common themes amongst global ports that lead to environmental and human health protection, sustainable economic growth and port community and ecosystem benefits.

Setting the context for defining sustainability

Dennis McLerran, US EPA Regional Administrator, EPA Pacific Northwest Region

Strategies for Sustainable Ports

Lisa Wunder, Assistant Air Quality Supervisor, Port of Los Angeles

Planning and Implementation of Air Pollution Control Strategies for Major Ports in Taiwan

Dr. S.C. Chuang, Senior Specialist, Department of Air Quality Protection and Noise Control, Taiwan Environmental Protection Administration

The New Era for Kaohsiung Port

David Chien-Yu Cheng, Harbor Master, Port of Kaohsiung, Taiwan International Ports Co., M.O.T.C.

Evergreen Line's Green Ship Operations

Patrick Lin, Executive Vice President, Marine Division, Evergreen Marine Corp, (Taiwan) Ltd.

Session 2: Port City Human Health and Environment

Objective: Representatives share research on port and marine vessel related health and environmental impacts and applied examples of successful port strategies resulting in air quality and other environmental improvements.

From Science to Policy: Ship Emissions Control Strategy in Hong Kong and the Pearl River Delta
Opening Speaker and Moderator: Simon Ng, Head of Transport and Sustainability Research, Civic Exchange

Green Freight and Healthy Supply Chains
Dr. James Corbett, University of Delaware, School of Marine Science & Policy

Overview of Impacts of Emissions from Ports, Marine Vessels and Goods Movement in the U.S.
Dennis McLerran, US EPA Regional Administrator, EPA Pacific Northwest Region

Quarantine of International Port in Taiwan
Chang Chao-Ching, Branch Director, Taiwan Department of Health Center for Disease Control, Kaohsiung

Health Impact Assessment of Marine Emissions in the Pearl River Delta Region
Dr. Hak Kan Lai, Hong Kong University, Department of Community Medicine, School of Public Health

Session 3: Successful Examples of Sustainability Strategies and Practices

Objective: Present results of successfully implemented port, shipping and goods movement sustainability strategies and practices, including: reductions in air pollution and greenhouse gas emissions, cleaner energy and energy efficiency, operational efficiencies, cost savings, advancements in technology and improvements in community engagement, public health and quality of life.

Moderator: Penelope McDaniel, Environmental Scientist and Lead U.S. West Coast Collaborative, U.S. EPA

Port of Los Angeles Air Quality and Technology
Kevin Maggay, Air Quality Supervisor, Port of Los Angeles

Port of Tacoma Sustainable Habitat Stewardship Program
Jason Jordan, Environmental Director, Port of Tacoma

Taiwan Greening the Ports
Ting-Yi Tsai, Vice President of Business, Taiwan International Ports Co., Ltd.

Successful Examples of Sustainability Strategies and Practices

T.C. Chen, President, Kao Ming Container Terminal Corp., Port of Kaohsiung

Maersk Line's sustainability strategies and practices in the Asia Pacific Region and Beyond
Anthony Randell, Managing Director of Business, Maersk Taiwan

Session 4: Capacity to Develop, Plan and Implement Sustainable Port Practices

Objective: Provide an overview and examples of institutional capacity needed for port environmental and economic sustainability, and social responsibility, factoring in voluntary and regulatory measures and broad collaborative efforts.

Building Institutional Capacity for Port and Environmental Sustainability
Richard Sinkoff, Director, Environmental Programs & Planning, Port of Oakland

Presentation followed by a panel discussion

Session 5: Highlight Global Practices and Opportunities to Advance Sustainable Ports, Shipping and Goods Movement

Objective: Present port, shipping and goods movement practices that have global reach, with multi-port, port city, and industry benefits, including: environmental, economic, community and ecosystem sustainability.

Overview on Actions to Reduce Shipping Emissions
Moderator & Opening Remarks: Dr. Nic Lutsey, Program Director of Goods Movement, International Council for Clean Transportation

Sustainable Good Movement: Global Practices and Opportunities
Stephanie Jones-Stebbins, Director, Seaport Environmental and Planning, Port of Seattle

Best Practices to Reducing Air Emissions from Shipping and Ports
Freda Fung, International Council for Clean Transportation

Optimization of the Ship Routes with the Aid of Numerical Ocean Current Prediction Models
Dr. Jason C.S. Yu, Assistant Professor, Department of Marine Environment and Engineering Center for Water Resources Research, National Sun Yat-Sen University

Session 6: Working Together to Advance Regional and Global Sustainability of Goods Movement

Objective: Explore how to further cross-Pacific collaboration can achieve consistent/complementary sustainability approaches.

Presenters and Moderators: Penelope McDaniel, Environmental Scientist and Lead U.S. West Coast Collaborative, U.S. EPA & Lisa Wunder, Assistant Air Quality Supervisor, Port of Los Angeles

An open panel discussion on accomplishments and challenges to advancing port, vessel and goods movement sustainability and next steps.