

SMART

PORTS

**PIERS OF
THE FUTURE ■**

November 15, 16 & 17, 2022
part of Smart City Expo Barcelona

**Brought to you by:
The Port of Barcelona**

**In cooperation with:
Maritime Street**

DRAFT

Smart Ports: Piers of the Future 2022 Agenda

DAY ONE, 15 OF NOVEMBER.

TV SET (10:30-11:00 CET)

TITLE: WELCOME REMARKS

PRESENTER: Ainhoa Arbizu.

SPEAKERS:

- Damià Calvet, President, Port of Barcelona.
- Elvir Dzanic, Chief Executive Officer, Port of Gothenburg.
- Jens Meier, Chief Executive Officer, Hamburg Port Authority.
- Luc Arnouts, Vice President International relations and networks, Port of Antwerp-Bruges.
- Martin Imbleau, President, Port of Montreal.
- Mike DiBernardo, Deputy Executive Director – Marketing and Customer Relations, Port of Los Angeles.

Presentation of SP22 edition highlights, including America's Cup 22 and Port of Barcelona guests from, Ashdod Port and Port of Gothenburg.

PANEL SESSION: TV SET (11:15-11:45 CET)

1-TITLE: HIGH-LEVEL ROUNDTABLE

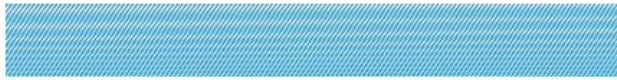
MODERATOR: Pascal Ollivier, President, Maritime Street.

SPEAKERS:

- Damià Calvet, President, Port of Barcelona.
- Elvir Dzanic, Chief Executive Officer, Port of Gothenburg.
- Luc Arnouts, Vice President International relations and networks, Port of Antwerp-Bruges.
- Martin Imbleau, President, Port of Montreal.
- Mike DiBernardo, Deputy Executive Director – Marketing and Customer Relations, Port of Los Angeles.

ABSTRACT:

As we are moving towards our 2030 agenda, the pandemic and geopolitics has also accelerated our urgent needs on risk and resilience, climate and energy, and digitalization. What are the priorities of Port Authorities when it comes to building smart ports to address those challenges?



PANEL SESSION: TV SET (12:00-12:45 CET)

2-TITLE: PREDICTIBILITY: WHERE IS MY CARGO IN THE ERA OF DISRUPTIONS?

MODERATOR: Jordi Torrent, Head of Strategy, Port of Barcelona.

SPEAKERS:

- Andre Simha, Chief Information and Digitalisation Officer, MSC.
- Eric Caris, Director Cargo Marketing, Port of Los Angeles.
- Jordi Espín, Strategic Relations Manager, European Shippers' Council.
- Sergio Marmol, Managing Director, Cross X staff.

ABSTRACT:

As importers and exporters are looking to solve their supply chain issues: What do beneficiary cargo owners expect from port authorities and shipping lines? What are the data that BCOs are looking from ports authorities? What are the data collaboration initiatives from shipping lines to address the cargo owners required time of arrival? How does the new supply chain of the future look like?

PANEL SESSION: TV SET (13:00-13:45 CET)

3-TITLE: WHAT'S NEXT IN CYBERSECURITY AT PORTS AND PORT FACILITIES?

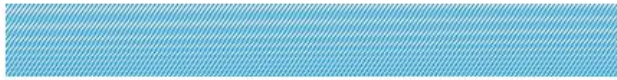
MODERATOR: Pascal Ollivier, President, Maritime Street.

SPEAKERS:

- Erica Long, Cyber Engagement Coordinator, U.S. Coast Guard.
- Frans van Zoelen, Chair of the IAPH DCC Cybersecurity Sub-Committee.
- Jens Meier, Chief Executive Officer, Hamburg Port Authority.
- Tony Zhong, Acting Chief Information Office, Port of Los Angeles.

ABSTRACT:

In September 2021, IAPH released the first ever cybersecurity guidelines for port authorities and port facilities to be included in the IMO in the next version of the *Guidelines on Maritime Cyber Risk Management* (MSC-FAL.1/Circ.3/Rev.1), after MSC 104 and FAL 46. But in the meantime, the geopolitical landscape has shifted, and the world of ports and shipping is facing now a "ransom war". How to be all ready? What are the new moves on regulation and compliance?



PANEL SESSION: TV SET (14:00-14:30 CET)

4-TITLE: AMERICA'S CUP 24

MODERATOR: Ainhoa Arbizu.

SPEAKERS:

- Damià Calvet, President, Port of Barcelona.
- Grant Dalton, Director, Emirates Team New Zealand & 2024 America's Cup Organizer, New Zealand.
- Roger Torrent, Minister of Business and Labour, Government of Catalonia and Chair Board, FNOB.

ABSTRACT:

The 37th edition of America's Cup to be held in Barcelona in 2024 will mark a milestone for the city in terms of sustainability and innovation. It will be coorganised by Emirates Team New Zealand and Port of Barcelona who will ensure the promotion and enhancement of the sport of ocean sailing or in any of its manifestations, and the promotion of sustainability, innovation, economy, equality, diversity and blue economy. Let's discover the ambitions of America's Cup 24.

PANEL SESSION: TV SET (14:45-15:15 CET)

5-TITLE: BLUE ACCELERATION

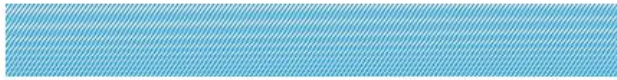
MODERATOR: Paul Holthus, Chief Executive Officer, World Ocean Council

SPEAKERS:

- Ann Carpenter, Chief Executive Officer, Co-founder, Braid Theory.
- Celine Schulze, Co-Founder and Managing Partner, Narwhale Ventures.
- Nathan Stempel, Chief Operating Officer, BLUE Institute Labs.
- Nir Gartzman, Co-founder and Managing Partner, The Dock.

ABSTRACT:

Expectations for the ocean as an engine of human development are increasing, as demand for resources continue to grow, and land-based sources decline. Thanks to technology we can now access resources which were not reachable for humanity before. This will lead to a growing pressure on claiming marine resources, to an unprecedented extent, intensity, and diversity. It is the Blue Acceleration, which raises new challenges in sustainability and governance, as well as amazing opportunities in new technologies, innovation, and investment. The new industrial revolution.



PANEL SESSION: TV SET (15:30-16:15 CET)

6-TITLE: SUSTAINABLE SMARTPORT CITY

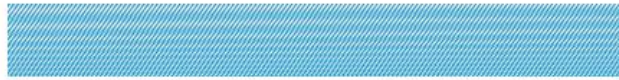
MODERATOR: Pascal Ollivier, President, Maritime Street.

SPEAKERS:

- Elvir Dzanic, Chief Executive Officer, Port of Gothenburg.
- Luc Arnouts, Vice President International relations and networks, Port of Antwerp-Bruges.
- Martin Imbleau, President, Port of Montreal.
- Mike DiBernardo, Deputy Executive Director – Marketing and Customer Relations, Port of Los Angeles.

ABSTRACT:

Ports and cities are historically strongly linked to deliver prosperity, power, and progress. But relationships between the two have, in many cases, become strained over time. Increasing urban populations and growing maritime trade create environmental and societal challenges. We have yet to address many of the challenges resulting from the Fourth Industrial Revolution (4IR), which we are currently experiencing. Public policies around port cities are still at their inception in most ports. The creation of such policies should be a priority when one considers that 17 of the top 25 world megacities are also port megacities. The time has come for the two key pillar 'smart' and 'sustainable' to be treated holistically in terms of policy making, not only in developed countries but also in developing countries, when making decisions about critical port city populations, infrastructure and trade logistics.



PANEL SESSION: SCEWC (16:30-17:10 CET)

7-TITLE: THE VOICE OF THE INVESTOR COMMUNITY

MODERATOR: Daniel Olivier, Director Innovation, Port of Montreal.

SPEAKERS:

- Paulina Banszerus, Investment Manager, DB Schenker Ventures.
- Stephan Morais, Managing General Partner, Indico Capital Partners.
- Williams Stevens, President, Tech Tour.

ABSTRACT:

According to Pitchbook, supply chain tech raised \$41.3 Billion in 2021, in April 22 Convoy; US leading digital trucking logistics platform raised another \$ 260million and is valued at \$3.8 billion and in May 22 Nowports, LATAM leading digital freight forwarder became the first Logtech Unicorn. In May 22, the first ever Venture Capital summit dedicated to Maritime, Trade and Logistics start-ups took place in Barcelona. Venture Capital Partners & Tech Tour President will address the key areas of investments in the smart port industry.

PANEL SESSION: SCEWC (17:15-17:45 CET)

8-TITLE: THE VOICE OF START UPS CEOs

MODERATOR: Estelle Linget, Transaction Advisor, ESL.

SPEAKERS:

- Alexandru Huzau, Chief Executive Officer, YLoad.
- Karno Tenovuo, Chief Executive Officer, Awake.ai.
- Miguel Silva, Chief Executive Officer, All Read.

ABSTRACT:

Tech Tour was founded on the strength the investor community and value created for it. EUR 14.2 billion was raised by startups participating to Tech Tour Summit the last 7 years. Awarded CEO of Tech Tour Summits will share their experience at #TTMTL22

DAY TWO, 16 OF NOVEMBER.

INTERVIEW: SCEWC (10:30-11:10 CET)

9-TITLE: SMARTPORTS BACK TO THE FUTURE

MODERATOR: Emma Cobos, Director of Innovation and Business Strategy, Port de Barcelona.

SPEAKERS: Dr. Phantian Zuesongdham, Head of Division Port Process Solution and Program Director of smartPORT Hamburg.

ABSTRACT:

2022 is the 10th birthday of SmartPort, initiative launched by Hamburg's State Ministry of Urban Development and Environment and the State Ministry of Economic Affairs, Transport and Innovation; initiated as the Smart Port Energy project. Then in 2015, at the IAPH World Port Conference, more than 20 smart port projects were presented by Hamburg Port Authority. Emma and Phantian will discuss about the inception of SmartPort initiative, its fantastic journey and global spread, and pave the way to the next 10 years of Smart Ports.

PANEL SESSION: SCEWC (11:20-12:00 CET)

10-TITLE: BUILDING THE WORKFORCE AT PORTS FOR THE XXI CENTURY

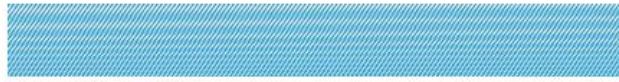
MODERATOR: Dr. Phantian Zuesongdham, Head of Port Processes Solutions Division, Hamburg Port Authority.

SPEAKERS:

- David Serral, Chief Information Officer, Port of Barcelona.
- Karina Gibert, Director of the Investigation Centre of Intelligent Data Science & Artificial Intelligence (IDEAI-UPC).

ABSTRACT:

The port sector is moving towards data-driven decision-making people, empowered by tech. At the same time, Gen Z will reshape the workforce and the post work society is an important trend. Half a million cybersecurity job posts are not filled in the US. Emerging tech in ports means that ports need to compete with private sector to attract new talents. We need to act now to build the future of work at Ports!



PANEL SESSION: SCEWC (12:10-12:50 CET)

11-TITLE: NEXT WAVE OF INNOVATION

MODERATOR: Aleix Valls, CEO, Liquid Lab.

SPEAKERS:

- Carles Rúa, Head of Innovation, Port of Barcelona.
- Oscar Van Veen, Head of Digital Innovation, Port of Rotterdam.
- Piet Opstaele, Innovation Enablement Manager, Port of Antwerp-Bruges.
- Roy Avrahami, Chief Innovation Officer, Ashdod Port Company.

ABSTRACT:

Schumpeter's conception of creative destruction and innovation theory was based upon product innovation, process innovation, business model innovation, new sources of supply of raw materials and new organization of any industry. Today, Quantum Tech could revolutionize the entire IT industry with major economic, industrial, academic and societal impacts. It holds great promise, in areas such as chemistry, optimization, machine learning and AI; but encryption is a risk. We shall not ignore quantum computing but view it as a competitive advantage. But also, where are we on Metaverse?

PANEL SESSION: SCEWC (13:00-13:40ET)

12-TITLE: INTERNATIONAL EXPANSION OF PORT AUTHORITIES

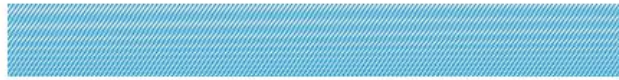
MODERATOR: Jordi Torrent, Head of Strategy, Port of Barcelona.

SPEAKERS:

- Jinsun SHIN, Head BPA Euro-office, Port Authority of Busan.
- Luc Arnouts, Vice President, Port of Antwerp-Bruges.

ABSTRACT:

In the last decade, Port Antwerp started its journey as a shareholder in Port of Duqm in Oman, Port of Acu in Brazil, and San Pedro in Cote d'Ivoire while Port of Rotterdam established a joint venture with the government of the Sultanate of Oman for Sohar Port and Free Zone and became a shareholder of Port of Pecem in Brazil. More recently Busan Port Authority invested in logistics bases for Korean companies that want to expand their logistics chains in Rotterdam and Barcelona, creating at join a B2B joint venture with Port of Barcelona. How smart port projects are driving international expansion of Ports? What are the new smart port services for B2B?



PANEL SESSION: SCEWC (15:10-15:50 CET)

13-TITLE: DECARBONIZATION BUSINESS MODEL

MODERATOR: Antonis Michail, Technical Director, IAPH.

SPEAKERS:

- Elvir Dzanic, Chief Executive Officer, Port of Gothenburg.
- Hector Calls, Head of Environmental Sustainability, Port of Barcelona.
- Namrata Nadkarni, Chief Executive Officer and Founder, Intent Communications.

ABSTRACT:

Decarb has been a priority for leading ports creating new business models to attract shipping lines. Now time has come for Port Authorities to collaborate to create economy of scale on low carbon fuel facilities to serve consumer and industries beyond shipping lines. What are the scenarios? What about project financing? Who are the new stakeholders engaged?

PANEL SESSION: SCEWC (16:00-16:45 CET)

14-TITLE: EMERGING TECH IN THE RADAR

MODERATOR: Emma Cobos, Director of Innovation and Business Strategy, Port de Barcelona.

SPEAKERS:

- Alain Houard, Marine & Offshore Industries Value Expert, Dassault Systèmes.
- Carles Mayol, Sales Leader of Ports and Transportation, Envision Digital.
- Dong Hee Chun, Manager Operations, Busan Port Authority.
- Miquel Martí, Chief Executive Officer, Associació Tech Barcelona.

ABSTRACT:

Port Authorities started their digital twin initiatives few years ago. Now, large-scale implementations are moving on the maritime trade supply chain at shipyards, terminal operators and port cities in Asia and Europe. Let's dive deep on the new trends.

DAY THREE, 17 OF NOVEMBER.

PROJECT PRESENTATION: SCEWC (10:30-11:00 CET)

TECHLOG - TECHNOLOGICAL TRANSFER FOR LOGISTICS AND
INNOVATION IN THE MEDITERRANEAN AREA

PROJECT PRESENTATION: *STAND FIRA* (11:15-11:30 CET)

SOST - HORIZON EUROPE

PROJECT PRESENTATION: *STAND FIRA* (11:40 -11:50 CET)

GuideMe

PROJECT PRESENTATION: *STAND FIRA* (12:00 -12:20 CET)

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