

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**

Smart Ports: Piers of the Future 2022 Agenda

DAY ONE, 15TH OF NOVEMBER.

(10:30-11:00 CET)

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WELCOME REMARKS

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

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HIGH-LEVEL ROUNDTABLE

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

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

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 (13:00-13:45 CET)

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12 MONTHS AFTER THE RELEASE OF IAPH CYBERSECURITY GUIDELINES

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 (14:00-14:30 CET)

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AMERICA'S CUP 24

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, FNOB (Fundació per la Navegació Oceànica Barceloay Copa América) 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 (14:45-15:15 CET)

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BLUE ACCELERATION

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 (15:30-16:15 CET)

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SUSTAINABLE SMARTPORT CITY

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 (16:30-17:10 CET)

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THE VOICE OF THE INVESTOR COMMUNITY

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 (17:15-17:45 CET)

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THE VOICE OF START UPS CEOs

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, 16TH OF NOVEMBER.

INTERVIEW (10:30-11:10 CET)

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SMARTPORTS BACK TO THE FUTURE

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 SmartPorts.

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

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BUILDING THE WORKFORCE AT PORTS FOR THE XXI CENTURY

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 (12:10-12:50 CET)

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NEXT WAVE OF INNOVATION

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 (13:00-13:40 CET)

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INTERNATIONAL EXPANSION OF PORT AUTHORITIES

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 (15:10-15:50 CET)

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DECARBONIZATION BUSINESS MODEL

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 (16:00-16:30 CET)

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EMERGING TECH IN THE RADAR

ABSTRACT:

Port Authorities started their digital 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.