Multi-year Expert Meeting on Transport, Trade Logistics and Trade Facilitation 8th Session

## Climate Change Adaptation for Seaports in Support of the 2030 Agenda for Sustainable Development

27-28 October 2020

# Climate Change Impacts and Adaptation: Key Issues and Experiences, Recent Initiatives and Developments

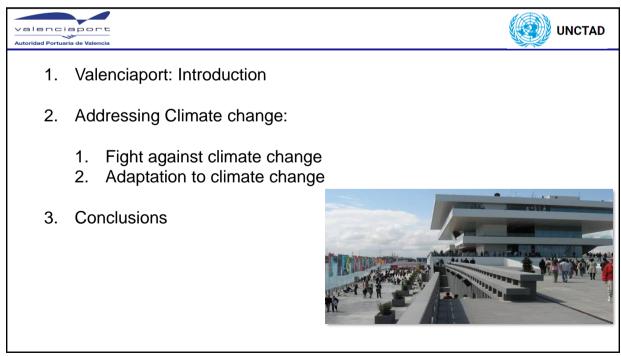
Presentation by

Mr. Raúl Cascajo

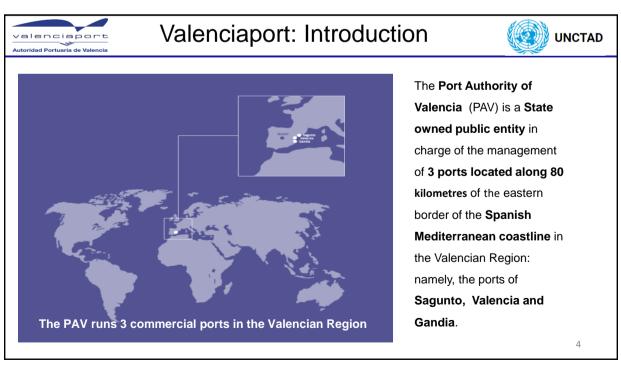
Head, Environmental Policies Port Authority of Valencia, Spain (On behalf of **Mr. Federico Torres** Head, Sustainability Transition, Port Authority of Valencia)

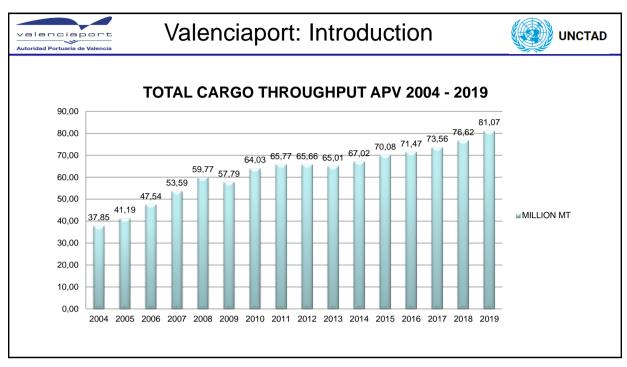
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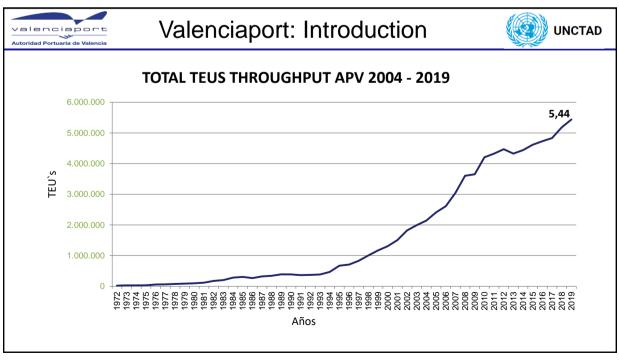


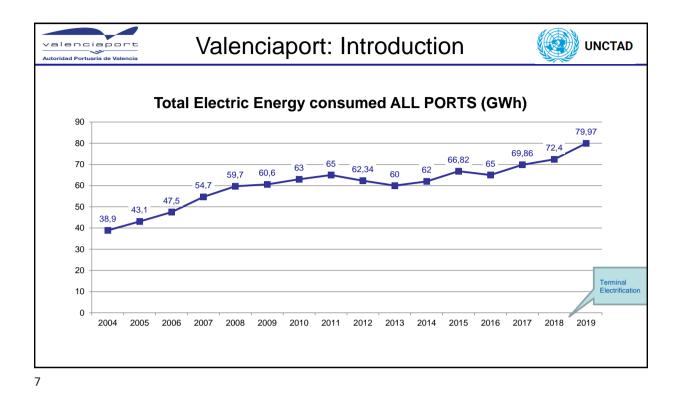


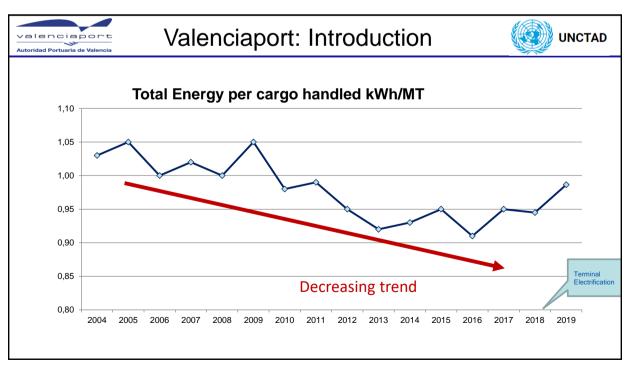
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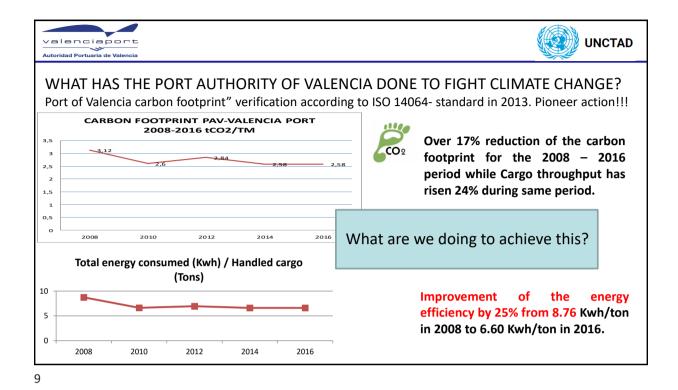


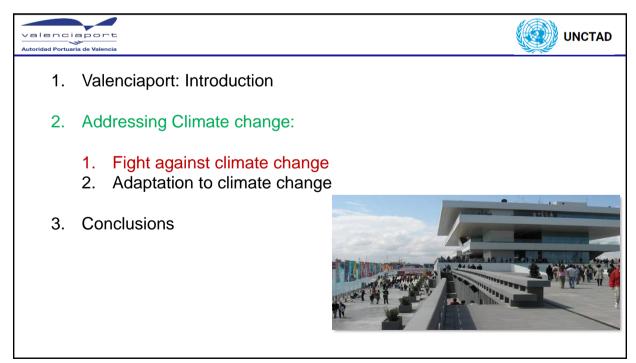


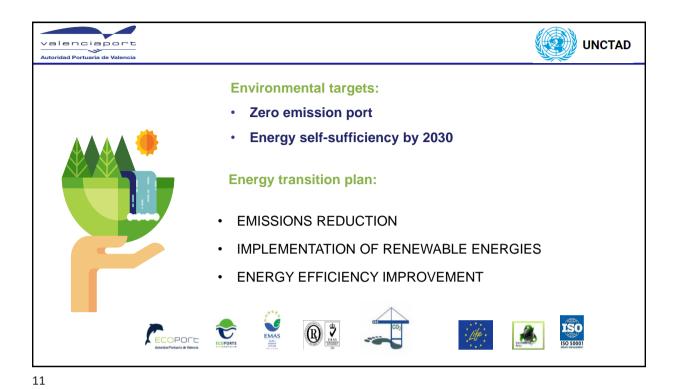


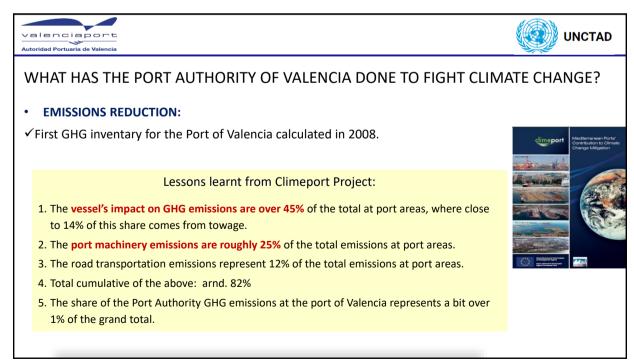


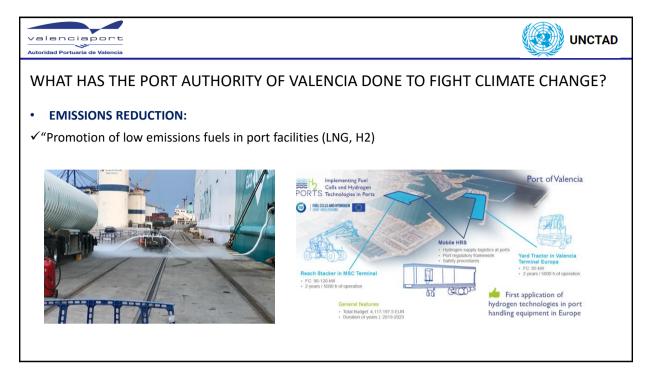


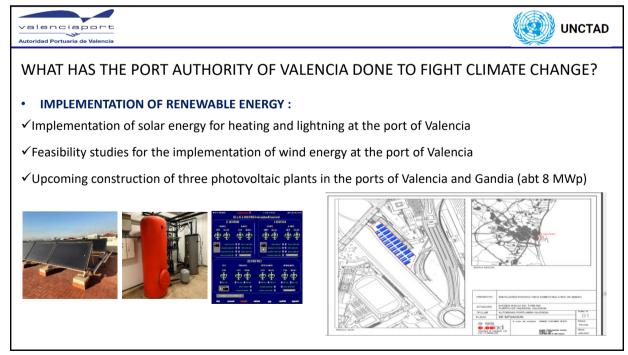












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### WHAT HAS THE PORT AUTHORITY OF VALENCIA DONE TO FIGHT CLIMATE CHANGE?

#### • ENERGY EFFICIENCY IMPROVEMENT:

✓ Replacement of lights (LED) in buildings and public roads in the ports managed by the PAV.
 ✓ Updating of the pumps of the APV building's air-conditioning plant in the port of Valencia, replacing them with more efficient pumps and remote control systems.



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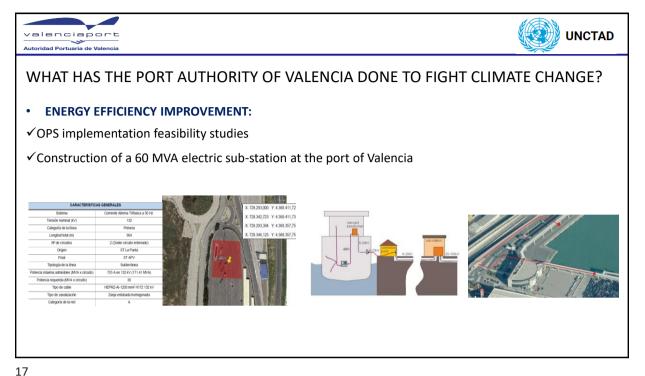
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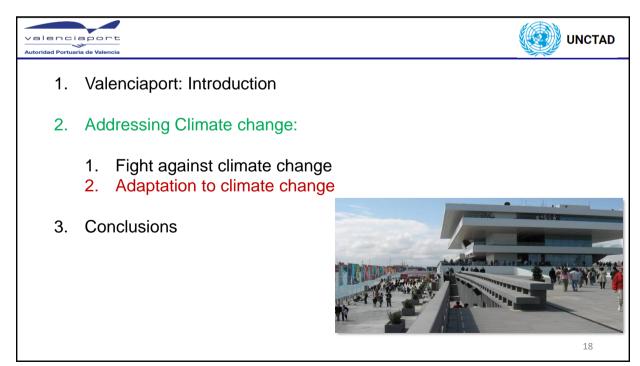
#### • ENERGY EFFICIENCY IMPROVEMENT:

✓ Replacement of the PAV service fleet with electric or hybrid vehicles.

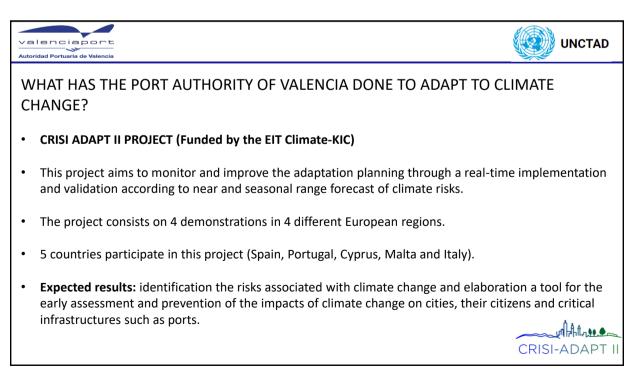
 $\checkmark$  Promotion of energy efficiency measures in port facilities through "green agreements" in which they commit to making investments to improve their environmental performance.











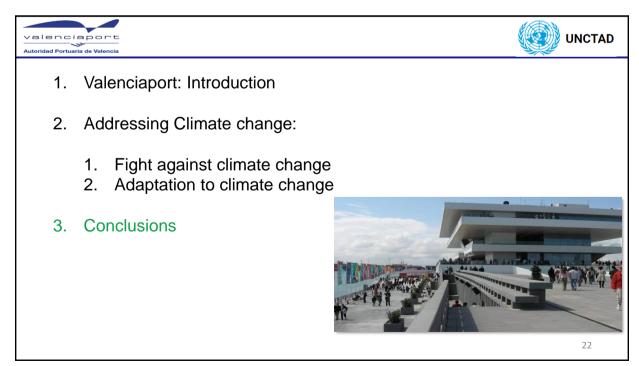
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CHANGE?



Sudoe Recclipse

- ECCLIPSE PROJECT (Funded by the EU through the Interreg Sudoe programme)
- This project focuses on the adaptation of seaports to climate change. The project will make an impact analysis through instruments and early climate prediction models, awareness actions, prevention and action strategies adapted to southwestern Europe.
- 3 countries participate in this project (France, Portugal and Spain).
- Expected results: Development of tools (assessment methodologies, local climate prediction models, • strategies, plans and protocols) enabling the ports of the SUDOE area to face up to the threats to their infrastructures and operations (such as rising sea levels, heat waves, cyclonic tides, etc.) resulting from climate change. Interreg



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CONCLUSIONS:
Climate change must be addressed on a global scope.
• Ports are particularly vulnerable to the effects of climate change as they are in the frontline.
<ul> <li>International commitments on fighting climate change should be monitored and reviewed regularly, and governments must allocate funds to ease the initiatives to reduce the effects of climate change.</li> </ul>
<ul> <li>Adaptation measures are undergoing but further research must be carried on to assess the potential effects of climate change on port infrastructures.</li> </ul>

