

# COREALIS Piraeus Demo/Training Webinar Port of the Future Serious Game (PoFSG)

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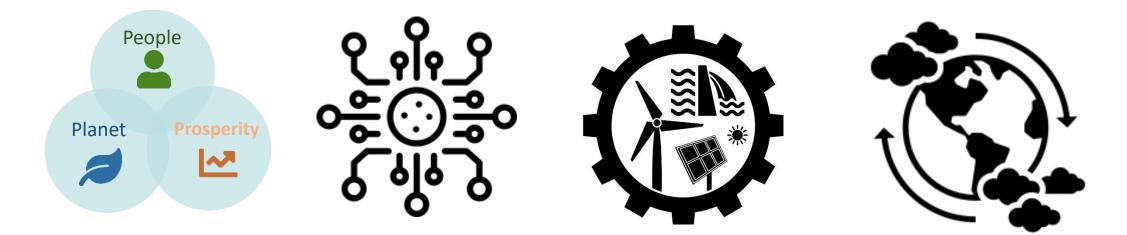
June 4<sup>th</sup>, 2020





### Motivation:

- Ongoing port developments to accommodate economic and population growth
- "Inclusive green growth" more attention for environmental and social aspects
- New challenges: emerging technologies, energy transition, climate change









## **Objectives:**

- Raise awareness simulating real-world events
- Stakeholder involvement together explore and discuss port development aspects
- Education multi-disciplinary thinking and different stakeholder perspectives













- Setting: fictious port
- Multiple stakeholder groups
- Negotiate about measures
- Each round select 2 measures
- Measures have scores:
  - People-Planet-Profit (PPP)
  - Costs and benefits
- Together balance PPP – inclusive green growth









- Different scenarios for different learning goals (tailored to port needs/context)
- (News) Events trigger additional debate and conflict amongst stakeholders

| Scenario                           | Learning goal   | 3          | SPECIA                       |
|------------------------------------|---|------------|------------------------------|
| Climate change adaptation          | Awareness of potential consequences of climate change and adaptation measures   | Joble      | ess rate at highe            |
| Energy transition                  | Awareness of measures for energy transition and its potential consequences      |            |                              |
| Economic stagnation                | Anticipate to economic decline and its consequences for port-city relations     | 81         |                              |
| Innovation (emerging technologies) | Awareness for emerging technologies and their potential consequences            | 3<br>Hurri | SPECIAL<br>cane Corealis hit |
| Sustainable port-city development  | Stressing importance of stakeholder inclusion and livable port-city environment |            |                              |
| Neutral                            | Fit-for-purpose scenario based on selected events                               |            |                              |
|                                    |   |            | and the second second        |

**AL NEWS** 70 est since 1990



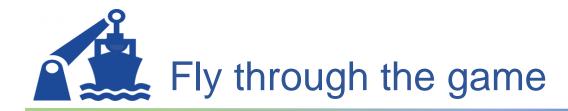
The unemployment rate is sky high. There are big demonstrations in the city and politicians put increasing pressure on the port to take action.

L NEWS 75 nits port



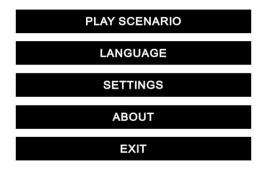
A huge hurricane has hit the port and shut down port activities for days. Companies ask for better protection, else they will relocate their activities.







### - PORT OF THE FUTURE -





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 768994









- Focus is on raising awareness/exploration, not decision-making tool
- Qualitative rather than quantitative character
- Feedback from past experiences:
  - Nice, interactive way of learning about port developments and challenges
  - Game helped to:
    - Better understand port sustainability
    - Better understand different stakeholder viewpoints
    - Think differently
- More information:
  - <u>https://www.corealis.eu/</u>
  - <u>https://www.deltares.nl/en/software/port-of-the-future-serious-game/</u>







# THANK YOU FOR YOUR ATTENTION Deltares Enabling Delta Life Wiebe de Boer Wiebe.deboer@deltares.nl



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