



COREALIS Antwerp Demo/Training Webinar

## Port of the Future Serious Game (PoFSG)

Wiebe de Boer - DELTARES

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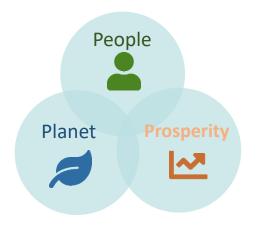


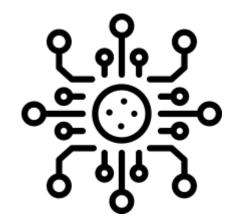
# Why Port of the Future Serious Game?



#### **Motivation:**

- Ongoing port developments to accommodate economic and population growth
- "Inclusive green growth" more attention for environmental and social aspects
- New challenges: emerging technologies (e.g. 5G), energy transition, climate change













## Why Port of the Future Serious Game?



#### **Objectives:**

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











### What is the Port of the Future Serious Game?



- 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





Government

Financial investor

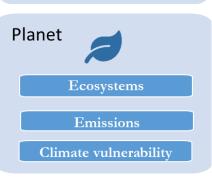
Port authority



NGO

Terminal operator











### Scenarios and events



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

Scenario	Learning goal
Climate change adaptation	Awareness of potential consequences of climate change and adaptation measures
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
Innovation (emerging technologies)	Awareness for emerging technologies and their potential consequences
Sustainable port-city development	Stressing importance of stakeholder inclusion and livable port-city environment
Neutral	Fit-for-purpose scenario based on selected events









#### - PORT OF THE FUTURE -

PLAY SCENARIO

LANGUAGE

SETTINGS

ABOUT

EXIT













- 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:
  - https://www.corealis.eu/
  - https://www.deltares.nl/en/software/port-of-the-future-serious-game/







www.corealis.eu



corealis\_eu



**COREALIS EU Project** 



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## THANK YOU FOR YOUR ATTENTION

#### **Deltares**



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