

PORT ENDEAVOR



Aims: to increase awareness and train port managers on using the United Nations Sustainable Development Goals (SDGs) in practice

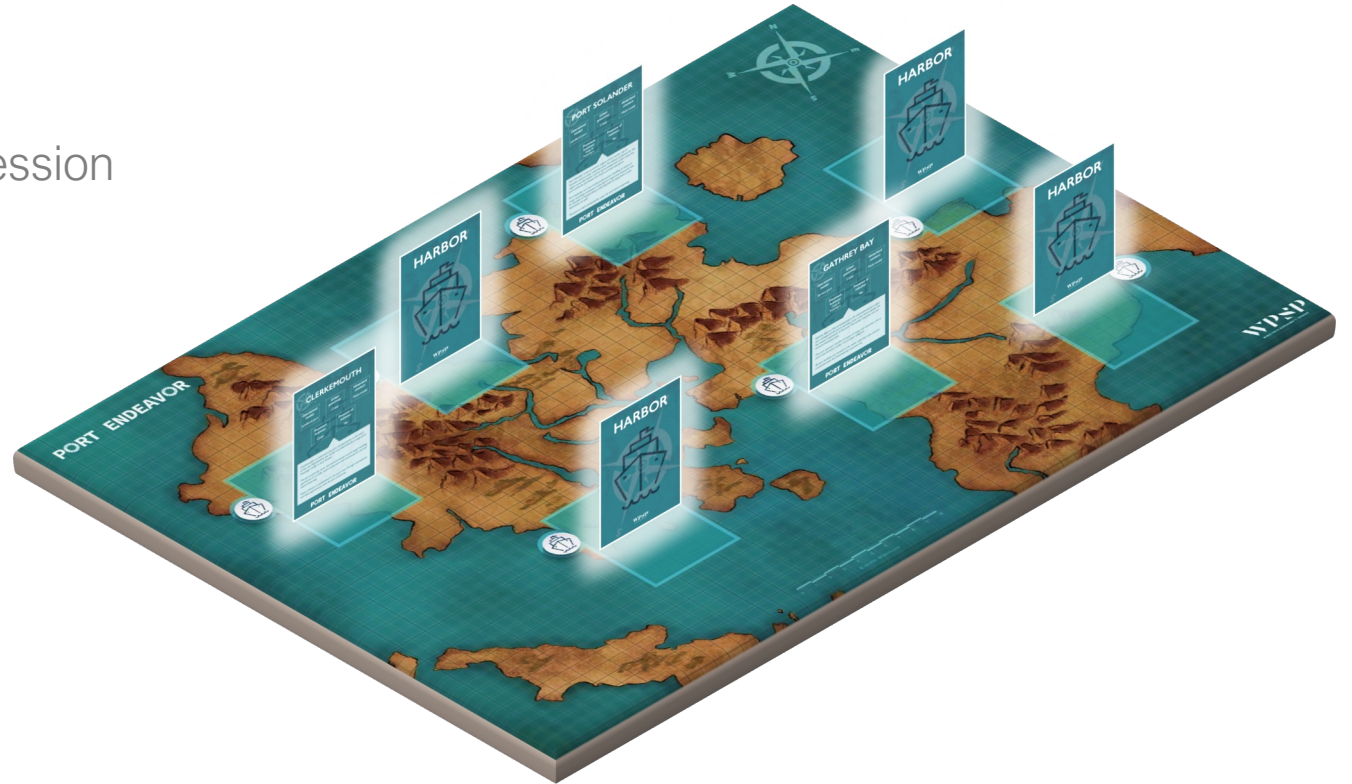
- Supporting the link of the port sector with the SDGs
- Making use of a gamified environment to enhance objective discussions



SET UP OF THE SESSION



- 60 minutes total time
- 10 minutes introduction to the game and the session
- 40 minutes game play
- 10 minutes de-briefing and discussion



MISSION IN THE GAME AND HOW TO ACHIEVE IT

Your mission is to develop your port in the most sustainable way.

This can be achieved by:

- Getting rewarded with the highest number and variety of SDGs based on the solutions you choose to implement
- Number of SDGs: Each rewarded SDG gives you 1 point
- Variety of SDGs: Groups of SDGs can earn you WPSP badges and can help you to achieve your personal endeavors
- The budget offers the means to achieve your mission, but you are not evaluated on how much money you have left at the end of the game
- The team with the highest number of points at the end wins

GET SMART

The port has successfully launched a nationwide survey on innovative digital solutions. This can assist port management in making the port smarter and more efficient. The port now has to decide which of the shortlisted proposals is to be implemented first.

SOLUTIONS

<p>1 Cost: 5 ★</p> <p>You develop an IT platform for the collection and analysis of environmental data such as air quality, water quality and noise. The platform will guide port decision making and environmental management and also transparently provide real time information about the environment to the public.</p>	<p>2 Cost: 3 ★</p> <p>You develop a smartphone app to guide ferry and cruise tourists through the port and the city. The app uses real time data to improve the visitor's experience. It will suggest personalized itineraries, notifies about overcrowding or congestion in main attraction sites. That way tourists are spread proportionately throughout all neighborhoods and commercial areas of the city.</p>
<p>3 Cost: 5 ★</p> <p>You establish a digital platform to enable smart and sustainable dredging operations through the collection and joint analysis of seabed, sediment, currents and meteorological data. The platform will aim at working in harmony with natural processes to ensure safe navigation while minimizing the need for dredging.</p>	<p>4 Cost: 6 ★</p> <p>You develop and implement a Port Community System. This is an easily accessible, secure and comprehensive digital platform to enable efficient data exchange between all port community stakeholders. The System will help optimize port operations and facilitate trade of goods and movement of people.</p>

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PROTECT THE HABITATS

There are several important natural habitats located near the port. These wetlands and beaches fulfill important ecosystem functions to the community. Their protection is therefore high on the agenda of the local communities. You support the protection of these habitats and can do this in several ways.

SOLUTIONS

<p>1 Cost: 2 ★</p> <p>You establish a monitoring program to follow up the status of the habitats.</p>	<p>2 Cost: 4 ★</p> <p>You build a visitor center and invest in educational programs to inform the public about the added value of these habitats and the importance to protect these.</p>
<p>3 Cost: 5 ★</p> <p>You acquire surrounding land and you liaise with experts to enable the expansion of the habitats.</p>	<p>4 Cost: 2 ★</p> <p>You financially support a local NGO (non-governmental organization) who is responsible for protecting and maintaining the natural habitats.</p>

PORT ENDEAVOR

ACTIVITY

ENDEAVOR

HARBOR

WPSP CARDS

EVENT

INFORMATION

WPSP

PORT ENDEAVOR GAME CONCEPT

- Split into 6 Harbor teams
- Each team starts with a budget of A\$10
- In each round, teams are asked to respond to a sustainability challenge by selecting one of four solutions
- Solutions cost money and get rewarded by relevant SDGs. Each SDG = 1 point
- Each port regenerates an income of A\$4 per round



DUST OFF THE PORT

The activities of the dry bulk terminals in your port have a significant impact on the spreading of dust in the environment. Peak concentrations occur more and more frequently due to long dry periods as a result of a changing climate. The city council insists on implementing concrete measures.

SOLUTIONS	
<p>1 Cost: 2 ★</p> <p>You build wind-dust protection screens around the dry bulk terminals as a windbreaker and to prevent the spreading of the particles to the surrounding.</p>	<p>2 Cost: 3 ★</p> <p>You ensure that dry bulk stacks are continuously sprayed with water. The water coming from the stacks will be reused for the same watering operation or will be treated when it is discharged.</p>
<p>3 Cost: 6 ★</p> <p>You reduce the open-air handling of dry bulk to a minimum and invest in covered warehouses to handle and store the dry bulk.</p>	<p>4 Cost: 4 ★</p> <p>You invest in equipment for frequent dust removal and clean-up of the work surface area. Trucks and wagons are cleaned before they leave the terminal.</p>

THE SOLUTIONS MIGHT CONTRIBUTE TO ONE OR MORE OF THE FOLLOWING SDG'S:

PORT ENDEAVOR

PORT ENDEAVOR GAME CONCEPT

- This income may increase by an additional A1 per each rewarded economic SDG (7, 8 and 9) in the previous round
- Disruptive events may occur (luck factor) from the 3rd round onwards
- These events have a financial impact that may be reduced if relevant SDGs have been achieved in previous rounds
- Point awards system to decide who wins



FUEL FIRE ACCIDENT

IMPACT ON YOUR PORT:
The port terminal closed to carry out investigation and cleanup efforts

Available Counter Activities	Operational Impact	Financial Penalty
None	Port terminal closed for 48 hours	★ ★ ★
	Port Terminal closed for 12 hours	★

During ship-to-ship fuelling operations a cryogenic hose has broken loose and releasing liquefied natural gas (LNG). The leakage is estimated at 120 kilograms of LNG.
What is even worse, the fuel leak has caused serious burns to three workers, who are severely injured as a result.
The port is investigating the incident and the Coast Guard is scheduled to meet today with everyone who was involved.

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ACTIVITY CARDS

- Initial version presented to the teams to decide on response



BREAK THROUGH THE NOISE




During the last few years, your harbor's port authority has been receiving more and more noise disturbance complaints from residents near the port's cruise terminal, due to running engines. NGOs (non-governmental organizations) and the local community media are asking you to take immediate action.

SOLUTIONS

<p>1 Cost: 3 ★</p> <p>You implement a monitoring and reporting system for cruise vessels noise. Based on this, you provide incentives to quieter vessels and you let noisy vessels berth as far as possible from the residential area.</p>	<p>2 Cost: 6 ★</p> <p>You invest in the provision of Onshore Power Supply (OPS) in the cruise terminal. That way, vessels turn off their engines while at berth.</p>
<p>3 Cost: 4 ★</p> <p>You plant trees and install noise barriers towards the residential areas. In addition, you provide sound insulation to exposed houses near the cruise terminal.</p>	<p>4 Cost: 8 ★</p> <p>You relocate the cruise terminal further away from the residential area.</p>

THE SOLUTIONS MIGHT CONTRIBUTE TO ONE OR MORE OF THE FOLLOWING SDG'S:




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ACTIVITY CARDS

- Version with SDGs attributed to each response option (only presented after the team's decision)



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SOLUTIONS

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COLLECTING POINTS BY ACHIEVING WPSP BADGES



COLLECTING POINTS BY ACHIEVING IN YOUR ENDEAVOR ROLE

CEO

YOUR PERSONAL ENDEAVOR:

ACHIEVE THE HIGHEST VARIETY OF ECONOMIC OBJECTIVES

You implement the board's strategy. You are in charge of the day-to-day commercial and operational management of the port. That implies you are responsible for the port's financial performance as well. You also ensure the port's good governance and corporate social responsibility.

In order to do so, guide your harbor team to collect the highest variety of the following SDG-cards:



PORT ENDEAVOR

SUSTAINABILITY MANAGER

YOUR PERSONAL ENDEAVOR:

ACHIEVE THE HIGHEST VARIETY OF ENVIRONMENTAL OBJECTIVES

You coordinate all of the port's Corporate Social Responsibility (CSR) activities. You are responsible for reducing the environmental impact and optimizing the social impact of the port's commercial and operational activities. Your aim is to do this in an innovative and economically-efficient way.

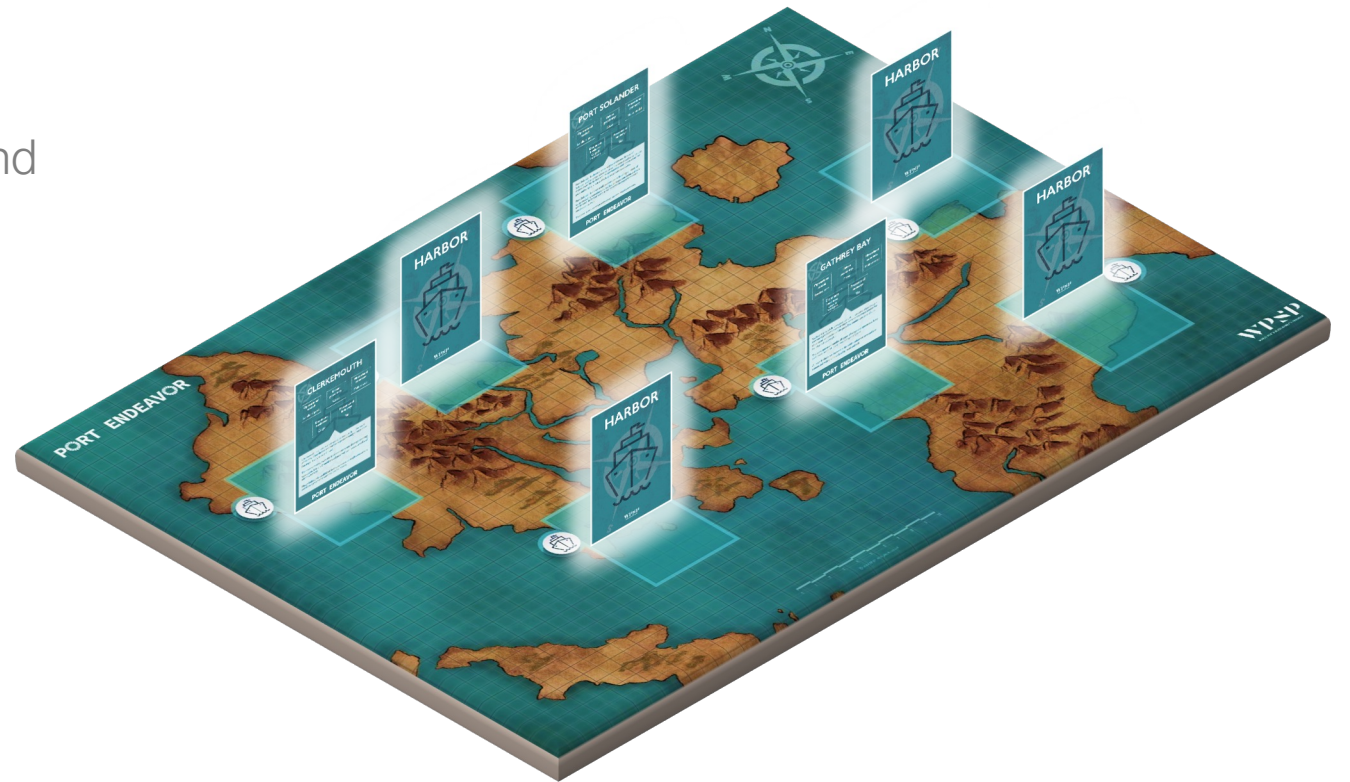
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PORT ENDEAVOR

What we would like from you:

- Be active and engaged
- Be competitive - try to win
- Give us your feedback and suggestions at the end
- And the most important, enjoy the game !



LET'S PLAY!



DEBRIEFING / EVALUATION OF THE SESSION

IAPH World Ports Sustainability Program (2018)

Mission : To integrate the 17 UN SDGs in port governance



www.sustainableworldports.org

Joint UNCTAD-IAPH workshop in Geneva 2019



Port Endeavor: Official launch in 2021

- Knowledge base concept was created at the joint UNCTAD-IAPH workshop in Geneva HQ in April 2019
- Development of game dynamics and content by IAPH and experts from Port of Antwerp-Bruges
- Real life examples from the WPSP database of 334 projects and best practices from 128 ports from 56 countries
- Available in English, French and Spanish
- Offered in partnership with:



Antwerp & Flanders
Port Training Centre



UNCTAD

PORT ENDEAVOR



WPSP Database of sustainability projects

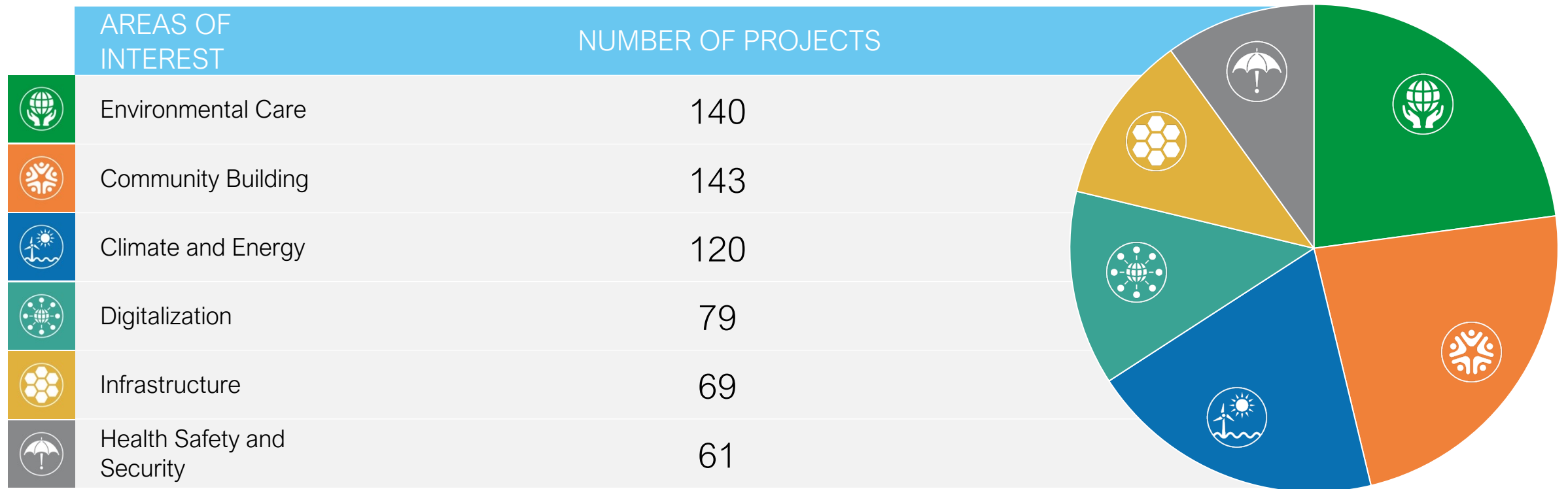
56 Countries

128 Ports

334 Projects



Number of projects per area of interest




EMPOWER EVERYONE

The community population near your port is highly diverse. While some residents enjoy a good quality of life, a large segment of the population are living below the poverty line. Also, a recent slump in local businesses has left many young workers and single mothers in a very vulnerable position. Together with local authorities, NGOs, and grassroots organizations, the port wants to contribute to improving the livelihood opportunities for these local people.

SOLUTIONS


1 Cost: 4 ⚡

You start a partnership program that supports small businesses in the community. The program contributes to the employment of community members by providing start-up loans, mentorships and on-the-job skills training.




2 Cost: 3 ⚡

You work together with local NGOs to create skills training programs for women in the community. The programs offer a wide array of courses, teaching both soft and hard skills that enable them to obtain work or set up their own business.




3 Cost: 3 ⚡

You establish a port youth internship program and set up inclusive hiring practices that help eliminate entry barriers for ethnic minorities and other under-represented groups.




4 Cost: 2 ⚡

You create training programs for the local youth community. That way you provide them with certifiable skills for both port setting and adjacent industries.




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Port Saint John – Fighting food insecurity

Canada , 2020



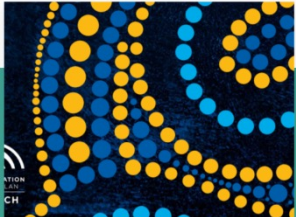
Port of Açú – Employability Network

Brazil , 2014



Port of Brisbane – Marine Cadetship Program for Women


Australia , 2018



Gladstone Ports Corporation – Indigenous Affairs Strategy

Australia , 2012


VIEW PROJECT



Port of Seattle – Incredible Parks Want Incredible Names

United States , 2020

VIEW PROJECT



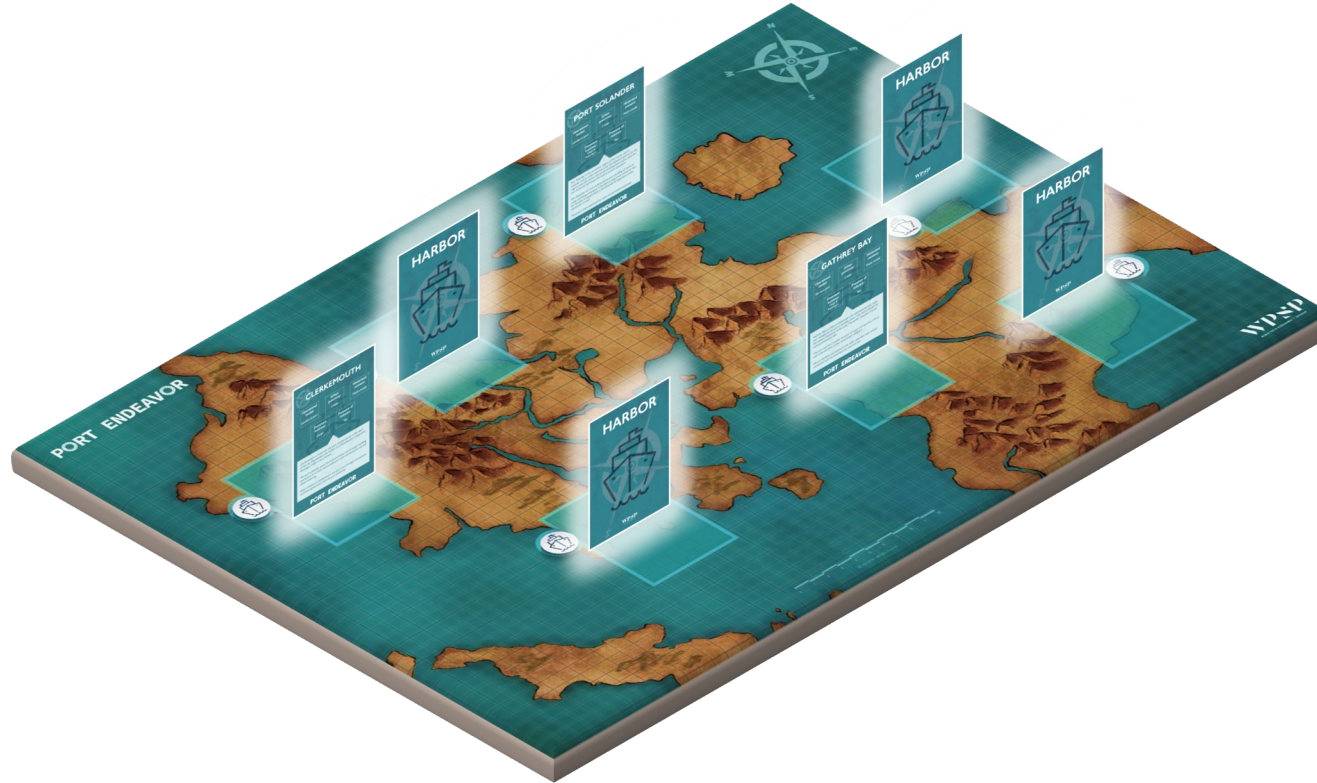
DP World Mundra Port – Kal Ki Kaksha (The Classroom of Tomorrow)

India , 2017

VIEW PROJECT

PORT ENDEAVOR YOUR EXPERIENCE AND FEEDBACK

- Discussion
- Your experience
- Your suggestions
- Next steps



Thank you for your attention!



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