

**Central Baltic Programme** 

Sustainable Flow



### WHY?

You cannot reduce CO2 emissions if you don't know their sources.

The Sustainable Digital Tool provides real-time CO2 emission data in accordance with sustainability reporting standards so that ports can have a comprehensive understanding of emission sources.



## **BENEFITS**

It's not only about **emission calculations** and enabling smooth sustainability reporting. With the tool you can also evaluate **what-if-scenarios** to support decision-making in your emission reduction and energy efficiency efforts.

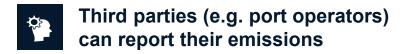










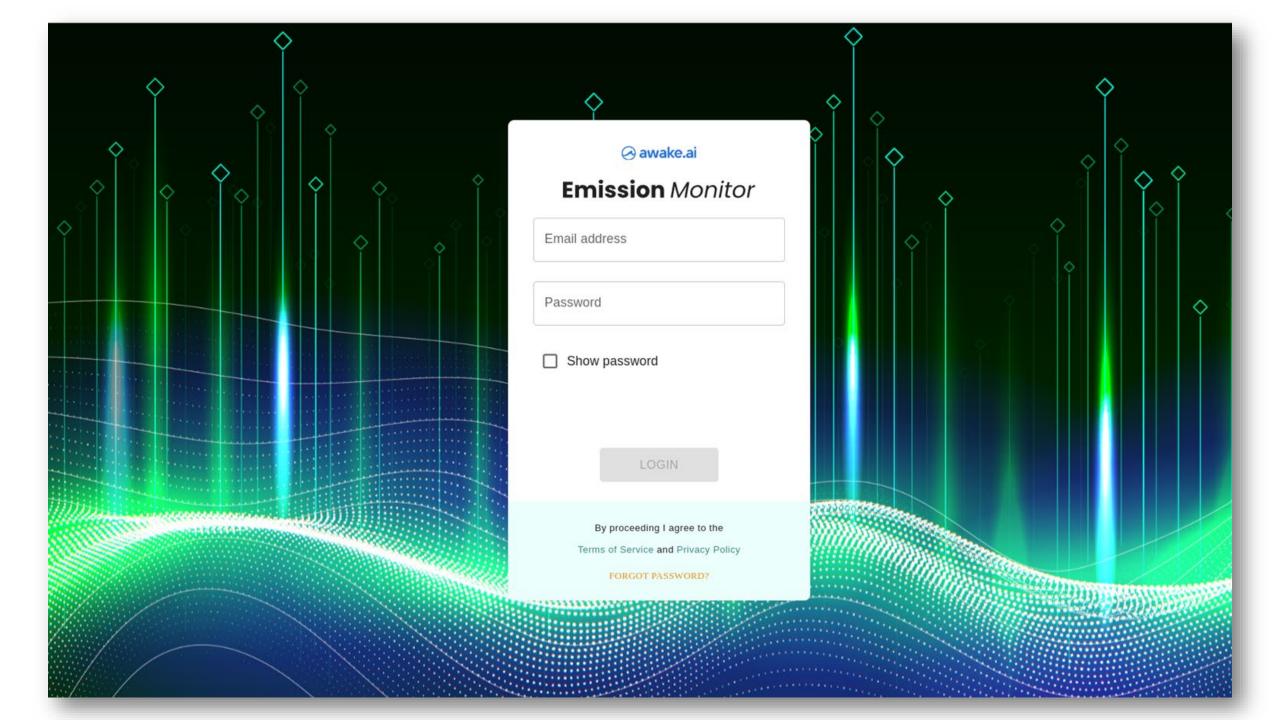






# PRELIMINARY VIEWS OF THE TOOL'S USER INTERFACE

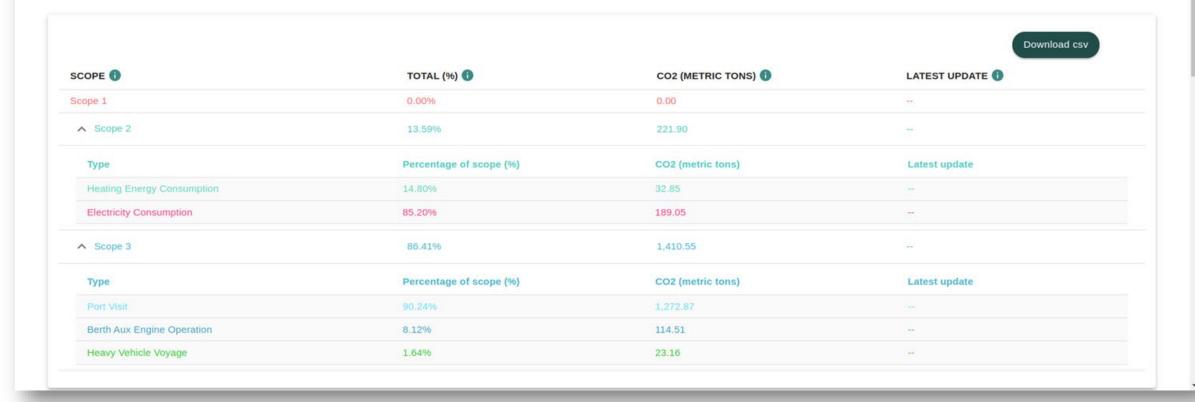




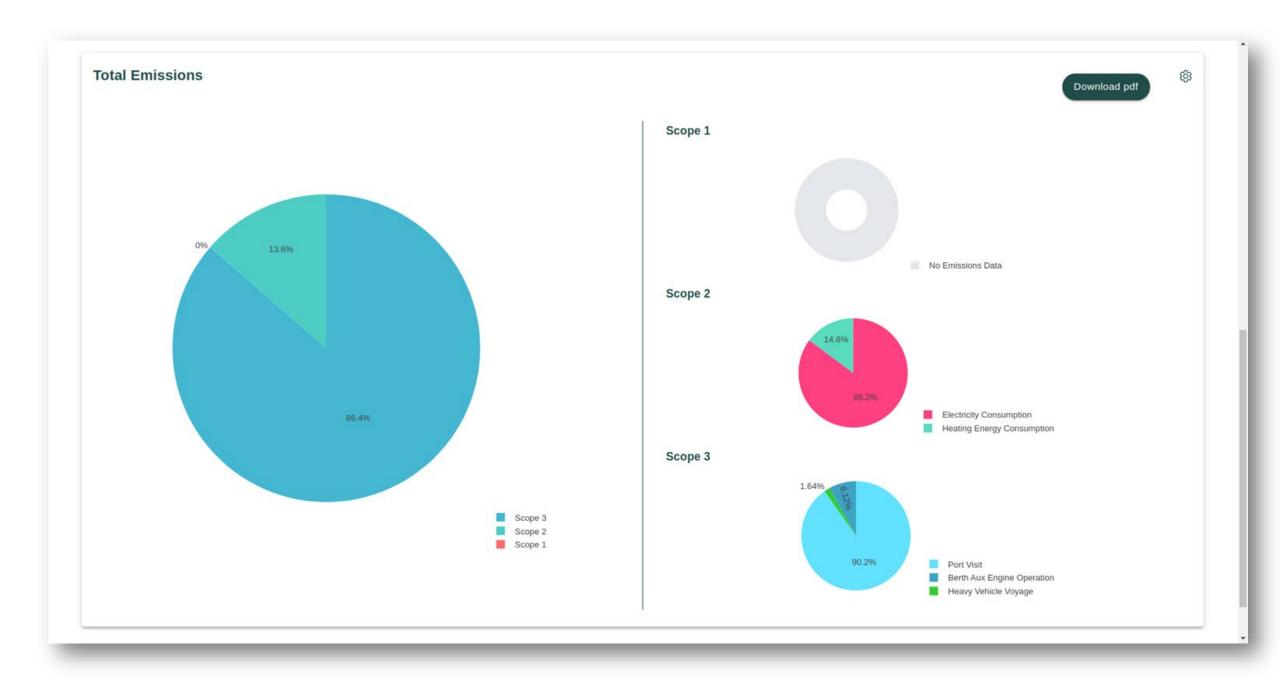
#### Emission summary (14.03.2024 - 14.03.2025)







```
Schemas
   BerthVisitAux > Expand all object
   CO2Emission A Collapse all object
      emissionId* string uuid
      co2EmissionT* number
      scope* > Expand all integer
      emissionEventDetails* > Expand all (object | object |
      object)
   CarVoyage ^ Collapse all object
      emissionBreakdown > Expand all (array<object> | null)
      id* string uuid
      startTime* string date-time
      endTime > Expand all (string | null)
      startLatitude > Expand all (number | null)
      startLongitude > Expand all (number | null)
      endLatitude > Expand all (number | null)
      endLongitude > Expand all (number | null)
      name > Expand all (string | null)
      eventType > Expand all string
      emissionSource > Expand all string
      travelledDistanceM > Expand all (number | null)
   CargoOperation A Collapse all object
      emissionBreakdown > Expand all (array<object> | null)
      id* string uuid
      startTime* string date-time
      endTime > Expand all (string | null)
      startLatitude > Expand all (number | null)
      startLongitude > Expand all (number | null)
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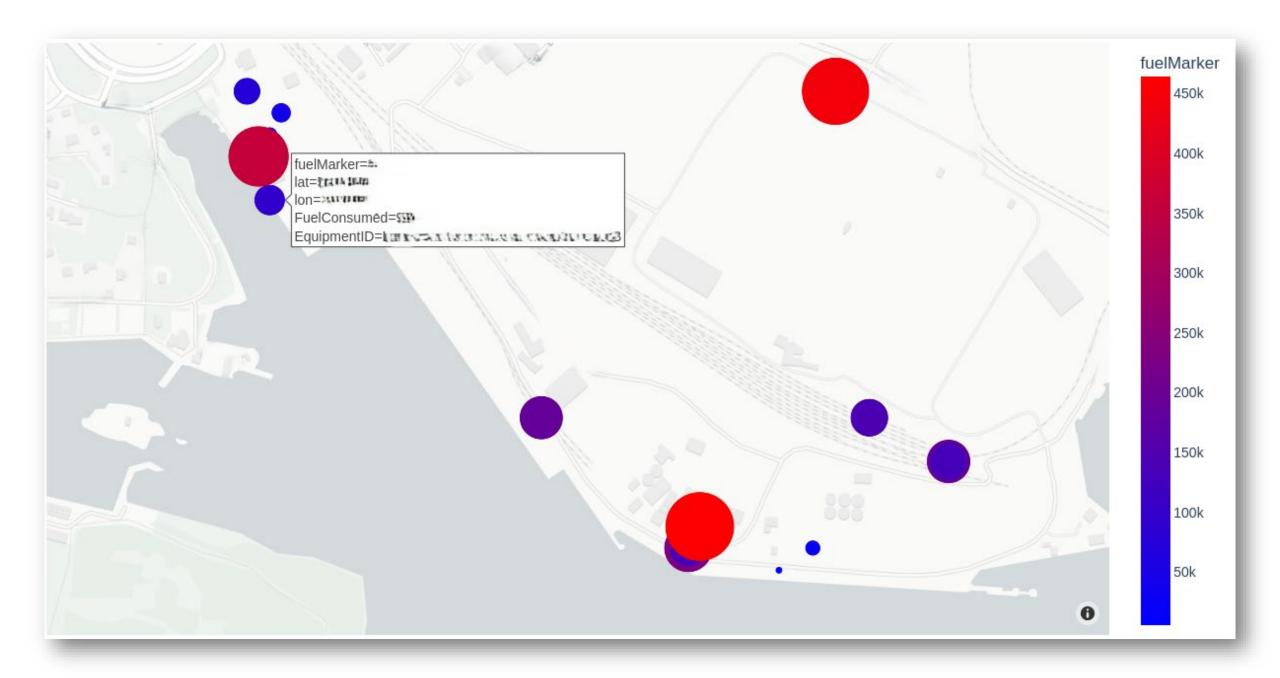


#### EMISSION SUMMARY (14.12.2024 - 14.03.2025)

- Start date - End date - 14.12.2024 - 14.03.2025

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# **Timetable**





Ports have reduced their CO2 emissions by at least 10 percent since the beginning of the project.

Ports have a tool that enables fact-based decision-making and smooth reporting.

Ports are greener and more sustainable, energy efficient and cost efficient.



# Emission Calculation Tool

Empowers port businesses to efficiently grow and adapt to environmental challenges and green transition by offering a secure, accurate and smooth way of working and operations that align with energy efficiency and saving needs.



# **Decision-Making Tool**

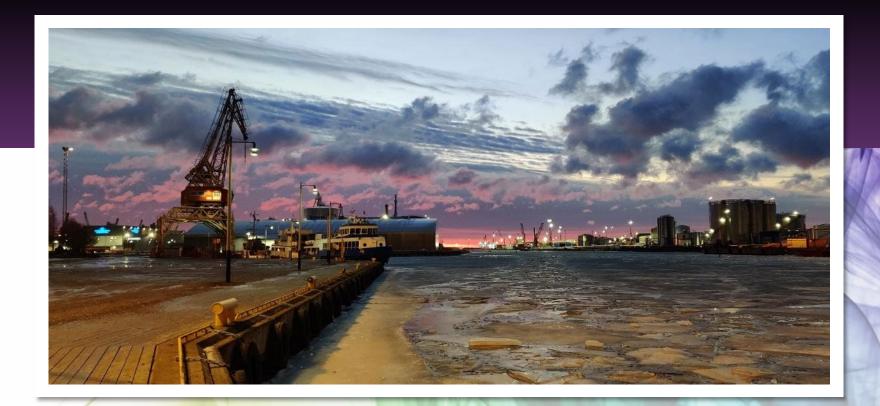
Aids ports to make well-informed decisions on sustainable investments based on scenarios analysed with the tool.





#### **Joint Success**

The Sustainable Flow partners in Finland, Sweden, Estonia and Latvia are working for you. **Ports' input is essential** to have the best possible tool for reducing CO2 emission and to have more energy-optimised operations.











**Central Baltic Programme** 

**Sustainable Flow** 

#### IN COOPERATION WITH















https://centralbaltic.eu/project/sustainable-flow/