



2023 Master internship at University of Gdańsk



TITLE : The carbon footprint of Green Ports

LAB & PEOPLE

- Name of the hosting lab: Division of Maritime Economy
- General activities of the lab: The Department of Maritime Economy conducts research and teaching in the field of the functioning and development of seaports, shipping, land-sea transport chains (including the development of intermodal transport), protection of the marine environment, competitiveness and innovation of Polish maritime transport.
- Website: <http://ekonom.ug.edu.pl/web/zhm/index.html?lang=pl>
- Number of staff / PhD: 5 researchers
- Supervisor name and contact: Małgorzata Bielenia researcher (malgorzata.bielenia@ug.edu.pl); Ernest Czermanski researcher (ernest.czermanski@ug.edu.pl)

TOPIC OF THE INTERNSHIP

- Scientific context of the internship (max 20 lines)

The purpose of undertaking work on the carbon footprint of green ports is to find out whether the greening practices that have emerged from literature studies are actually occurring in the maritime sector and, in particular, in seaports. The concept of a green port is difficult to define and there is no clear definition in the literature to describe the phenomenon. The literature initially used the term green port to describe the ideology of sustainable development of the port sector and referred exclusively to the ports themselves, which offset their environmental footprint with economic benefits. Since 2010, a new, broader approach to the concept of green ports as an agent and also a centre of growth has emerged. Its mission is to create a platform that allows core activities to be carried out in full harmony with environmental and social aspects. In another entry from the literature, a green port means a port that applies development and investment measures to mitigate the negative impact of port activities and improve environmental conditions.

Keywords: green port carbon footprint sustainability

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Tasks and duties entrusted to the student:

The student would first have to define the concept of a green port. The next step is to gather recent information about greening practices in occurring in the maritime sector and, in particular, in seaports. The point of view of port managers and port terminal representatives will also be gathered, which will require field work (or a remote meeting), in order to explore specific measures to obtain data on both the ways in which greening - perceptions of the phenomenon (scope, resulting issues, regulations...). The second issue concerns the measurement of the carbon footprint according to the GHG protocol methodology in selected seaports, which also requires data gathering. The expected deliverables would be a datasheet for each studied seaport with all the above information, in order to give a clear overview of the local situation concerning green port carbon footprint.

Skills to be acquired or developed:

Expertise on greening environmental management and carbon footprint issues ☑
Knowledge of legal policy seaports ☑ Comparative knowledge of maritime sector
(especially seaports) ☑ English conducted interviews

PROFILE OF THE DESIRED STUDENT

- Minimum level of study required: Master
- Field(s) of study: social sciences (especially environmental, economics, law...)
- Scientific skills:
 - ☑ Interviewing methods and skills
 - ☑ Good writing and summarising skills
- Language skills required: English is a must in order to communicate with seaport authorities and to understand documents

THE INTERNSHIP ASSIGNMENT:

Desired duration of the internship (in months): 5 months

Desired Starting date of the mission: between 01/10/2023 and 01/05/2024

Indicative weekly schedule: 35h / week

Remuneration ?

Erasmus grant : could be asked to your own university

Internship agreement: *an internship agreement will be signed.*

To SEA-EU students:

*If you're interested please send your CV and letter of motivation to the scientist in charge, email
before the date / / 203.*