

Join the 2021 market study on energy efficiency and GHG emission intensity values for logistics sites

► Objective

- Identify main influencing parameters on energy efficiency and GHG emissions at sites
- Elaborate average GHG emissions intensity values for sites

► Companies are invited to answer questionnaires for (1) transshipment sites / warehouses or (2) terminals

► Participating companies receive their individual results, information on average values and overall outcomes of the study

► Results reflect ongoing international discussion (e.g. ISO 14083)

“Very little data is available on GHG emissions from the buildings and terminals in which goods are stored, handled and transhipped.”
Alan McKinnon – Decarbonizing Logistics – 2018



© Arcadis

Study on energy efficiency and GHG emission intensity values for logistics sites

► Objective

- Identify the main influencing parameters on energy efficiency and GHG emissions at sites
- Elaborate average GHG emissions intensity values for sites

General approach

average ambient or refrigerated transshipment site / warehouse, container terminal, ...



Detailed approach

differentiation of sectors, services or other relevant influencing factors to be identified

► Approach: Excel based questionnaires for

- (1) Transshipment sites & warehouses
- (2) Terminals

Survey with global scope, available in English, German, Italian and Spanish



Adobe Stock © Eisenhans

Study on energy efficiency and GHG emission intensity values for logistics sites

- ▶ All companies operating logistics sites (e.g. transshipment sites, warehouses, terminals) are invited to participate in the survey.
- ▶ Three contact points: in Italy, Germany and Colombia
- ▶ Dissemination May/June 2021 for data collection for a representative year*
- ▶ All confidential information stays with the chosen contact point of GILA
- ▶ Analysis of the data
 - Consortium elaborates average values (general approach) & concept for future more detailed analyses
 - Participating company receives carbon footprint for its site(s)
 - Publication of set of average values as e.g. benchmark or to be used in carbon accounting tools, standards or if data on sites is lacking in supply chain quantifications





German, Italian & Latin American consortium for resource efficient logistics hubs & transport

Project duration

07 / 2020 – 07 / 2023

Project lead

Fraunhofer Institute for Material Flow and Logistics IML

Contact

Kerstin Dobers

kerstin.dobers@iml.fraunhofer.de

The GILA project is designed to contribute to global efforts in reducing the environmental impact of logistics sites.

It addresses two main areas of research:

- (1) Best practices & future requirements, services and concepts for sustainable logistics sites within an energy & resource efficient transport chain
- (2) Methodological framework for describing detailed the environmental performance of logistics sites

The work is performed collaboratively by 10 international partners.

