# The Measurement of Carbon Emissions from Logistics

a quick overview

Professor Alan McKinnon *Kühne Logistics University, Hamburg* 

Greening European Cargo Operations

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# Measurement of emissions is an essential pre-requisite for managing the decarbonisation process



### variety of approaches, methodologies and datasets





# emission allocation issues to resolved

Shared use of transport assets:

- passenger and freight e.g. bellyhold freight
- multiple consignments of varying density

Repositioning of empty vehicles



### delimiting boundaries around the logistics emission calculation

#### Organisational



Adapted from NZBCSD and GHG Protocol

### System





# Large literature on the measurement of GHG emissions from freight transport / logistics



## Recent surveys of carbon measurement capabilities in European logistics

Survey of 90 European business (September 2020)

stage in measurement and reporting of logistics emissions

disaggregating data for external use	25%
disaggregating data for internal use	19%
aggregated data for external use	22%
aggregated data for internal use	19%
not measuring logistics emissions	15%



https://bit.ly/3g6dl74

Survey of 800 small / medium -sized European road carriers (2020)





https://bit.ly/3vNVSaf



### **Professor Alan McKinnon**

Centre for Sustainable Logistics and Supply Chains Kühne Logistics University – the KLU Wissenschaftliche Hochschule für Logistik und Unternehmensführung Grosser Grasbrook 17 20457 Hamburg

tel.: +49 40 328707-271 fax: +49 40 328707-109

e-mail: <u>Alan.McKinnon@the-klu.org</u> website: <u>www.the-klu.org</u> www.alanmckinnon.co.uk @alancmckinnon

