The Green Ship Routing and Scheduling Problem (GSRSP): A conceptual approach

Recent reviews of the literature on ship routing and scheduling note the increased attention to environmental issues. This is an area of paramount importance for international shipping and will be even more so in the future. This short communication is motivated by the increasing attention to 'green' routing and scheduling and outlines some possible ways to incorporate the air emissions dimension into maritime transportation OR. The main contribution of this note vis-a-vis the state of the art is that it conceptualizes the formulation of the 'Green Ship Routing and Scheduling Problem' (GSRSP) based on existing formulations and highlights all the important parameters of the problem. (C) 2014 Elsevier Ltd. All rights reserved.

General information
Publication status: Published
Organisations: Department of Transport, Transport optimisation and technique
Contributors: Kontovas, C. A.
Number of pages: 9
Pages: 61-69
Publication date: 2014
Peer-reviewed: Yes

Publication information
Journal: Transportation Research. Part D: Transport & Environment
Volume: 31
ISSN (Print): 1361-9209
Ratings:
BFI (2014): BFI-level 2
Scopus rating (2014): CiteScore 2.49 SJR 1.428 SNIP 1.955
Web of Science (2014): Impact factor 1.937
Web of Science (2014): Indexed yes
Original language: English
Keywords: TRANSPORTATION, ENVIRONMENTAL, SPEED OPTIMIZATION, MODELS, Green maritime logistics, Maritime transportation, Emissions routing, Scheduling
DOIs:
10.1016/j.trd.2014.05.014
Source: FindIt
Source-ID: 268647941
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review