

1. Record Nr.	UNINA9910298507603321
Titolo	Intercity Transport and Climate Change : Strategies for Reducing the Carbon Footprint / / edited by Yoshitsugu Hayashi, Shigeru Morichi, Tae Hoon Oum, Werner Rothengatter
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-06523-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (291 p.)
Collana	Transportation Research, Economics and Policy, , 1572-4387 ; ; 15
Disciplina	388.042
Soggetti	Environmental economics Transportation Climatic changes Civil engineering Environmental Economics Climate Change Management and Policy Civil Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction.- Intercity Transport.- Passenger transport.- Carbon Footprint -- Climate Change.- Transport policies.- Alternative energy. - Greenhouse gas emissions (GHG) -- Conclusion.
Sommario/riassunto	While intercity passenger transport counts for about 2% of the total passenger transport volume the share of the total passenger kilometers traveled is estimated more than one third. In many countries the major part of intercity transport is performed by car and air and as a result, the contribution to the carbon footprint is substantially higher than the share of overall passenger transport performance. This creates a challenge to develop a sustainable organization of intercity transport which requires a true joint effort of policy makers, industry sectors and households. This presupposes that all options for reducing the carbon footprint of the transport modes – car, air and rail – are fully exploited through modern propulsion technology, use of regenerative energy and efficient organization of transport processes. Basic conditions for

meeting this requirement are an incentive compatible public framework of regulation, taxation, charging and education, the private willingness to adjust to new behavioral patterns and a consequent push of technological progress towards energy and CO₂ savings. This book begins with an international comparison of intercity transport and the current state of greenhouse gas emissions (GHG) of this transport segment. A focus is given to comparing the situation in the EU, the US and Japan while describing the more recent development of intercity transport in China, followed by an analysis of intercity transport policies and their contribution to meet the global climate change issues. This book will be of interest to researchers in transportation economics and policy, as well as civil engineering and planning.
