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Altri autori (Persone)	El-HifnawiM. Baher
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Context -- Objectives of the report -- Scope and methodology -- Key data sources -- Structure of the report -- Demand for waterborne and multimodal transport -- Size and historical growth patterns of IWT and coastal shipping -- Growth projections for IWT and coastal shipping -- Commodity tonnage and tonnage distribution by mode -- Inland and coastal shipping lengths of haul -- Main freight flows -- Regional routes and modal competition -- Primary intra- and interregional corridors -- Red River delta region -- Mekong delta -- Coastal shipping -- Corridor 1: Hanoi, Haiphong, Quang Ninh -- Corridor 2: Quang Ninh, Ninh Binh -- Corridor 3: Hanoi, Ninh Binh -- Corridor 1: HCMC northwest -- Corridor 3: HCMC southwest -- Container transport in the Mekong delta -- IWT market structure -- Shipping companies -- Coastal shipping -- Shipping volumes -- Container flows -- Containerized cargo (domestic cargo) -- Ccontainerized cargo (feeder cargo) -- Sea-river transport -- Market structure for coastal shipping -- Vinalines -- Competitive position of IWT and coastal shipping -- Competitive position of IWT -- Competitive position of coastal shipping -- Supply chains and logistics costs in Vietnam -- Conclusions on demand -- Supply-side considerations: waterways, ports, and fleet -- Institutional framework for the waterway and port sectors -- Waterway infrastructure -- Northern waterways -- Southern waterways -- Central region waterways -- Technical classification of the waterways --

Planned investments in waterways -- The IWT master plan for 2020 -- Major channel projects -- Ports -- River ports -- Planned investments in river ports -- Seaports -- Fleet -- Fleet of river-going vessels -- Fleet of sea-going vessels -- Fleet of sea-river vessels -- Modernization of IWT fleet -- Conclusions on waterways, ports, and fleet -- Modal differences in fuel efficiency and GHG emissions -- Relative carbon intensity among transport modes -- Main challenges and recommendations -- Planning -- Institutional/regulatory environment -- Physical bottlenecks -- Lack of IWT hinders market development -- Financing -- Strategy and action plan -- Estimated impact of public sector interventions in IWT and coastal shipping -- Translating the IWT/coastal shipping strategy into tangible interventions -- Methodology: translating interventions into impacts -- Modal shift and emissions impact of the proposed interventions -- CBA results -- References -- Appendix A: list of stakeholders interviewed -- Appendix B: major waterway routes in the north and south -- Appendix C: general considerations on DWT capacity increases in the national IWT fleet -- Appendix D: cargo data and modal split model -- Cargo flows for northern provinces: road transport in tons per day -- Cargo flows for northern provinces: iwt in tons per day -- Cargo flows for southern provinces: road transport in tons per day -- Cargo flows for southern provinces: IWT in tons per day -- Appendix E: detailed description of proposed interventions -- Appendix F: detailed impacts of proposed interventions.

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## Sommario/riassunto

Like many of its Southeast Asian neighbors, Vietnam faces the twin challenges of sustaining economic growth and protecting the environment. On the one hand, the impressive poverty reduction and growth performance attained over the past 25 years is now challenged by slower global and domestic growth, more intense international competition for foreign direct investment, and the need to drive domestic productivity improvements. On the other, Vietnam's vast natural resources-as represented by two major river deltas, a long coast line, and a multitude of rivers and canals-and the large portion of

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