

BRIEF DESCRIPTION OF ECONOMIC DOCTORAL DISSERTATION

Dissertation: Propose solutions for sustainable development of Hai Phong port

Major : Transportation Administration and Management

Code : 62840103

PhD candidate : Ngo Duc Du

**Academic supervisors : 1. Assoc. Prof. Dr. Dan Duc Hiep
2. Assoc. Prof. Dr. Duong Van Bao**

Training institution : Vietnam Maritime University

1. The purpose and tasks of the dissertation

Purpose: Propose solutions to develop Hai Phong port sustainably.

Tasks: To achieve above purpose, this dissertation has been set and completed following tasks:

- Studying academic points of a sea port and its sustainable development, basis to develop solutions for sustainable development of a sea port.
- Analysing macro and micro aspects which affect the sustainable development of a sea port; criteria of port sustainable development;
- Evaluation to clarify the current condition of Hai Phong port sustainable development; finding out pros and cons of Hai Phong port sustainable development; threats and opportunity of Hai Phong port in the future.

2. Objective and scope of the research

Research objective: Common theoretical foundation about sea ports and their sustainable development; current condition of Hai Phong port sustainable development in economic, social and environmental aspects; resources, strategy, schedule, plan and other points which relate to sustainable administration, exploitation and development of a sea port; solutions for sustainable development of Hai Phong port.

Scope: This dissertation focuses on analysing common theoretical foundation about sea ports and their sustainable development; evaluation the current condition of Hai Phong port sustainable development in economic, social and environment aspects; resources, strategy, schedule, plan and other points which relate to administration, exploitation and development Hai Phong port in 2005 - 2015 period

and directions, solutions for sustainable development of Hai Phong port until the year 2030. However, this dissertation only discuss commercial port (not include fishery and other ports).

3. Research methodology

To accomplish the tasks, the dissertation has applied following methods:

- Summarization, statistics and analysis, comparison and contrast, systematization and logic have been applied for statistic, gathering data, processing input data, analysing and choosing main criteria.

- Systematic analysis has been used to analyse and clarify the relationship between sustainable development of a sea port with the development of economy, transportation infrastructure and trade among areas in the country and between Vietnam and other countries.

- Criteria analysis has been applied to analyse and evaluate the current sustainable development of Hai Phong port with specific quantitative criteria in economic, social and environmental aspects.

- SWOT analysis has been applied to analyse and evaluate the present strength, weakness of Hai Phong port and its opportunity and threats in the future.

- Besides, other methods such as prediction, summarisation and experimental analysis have been applied to evaluate and select plan, solutions ...

4. Scientific and practical significance

Scientific significance:

The research result has contributed on the accomplishment of the scientific theory and systematization of science about sea ports and sustainable development of sea ports. Influential factors and criteria for sustainable development of sea ports have been identified. The research result has made change the port development orientation from taking growth as main target to taking growth associated with sustainable development of the sea port.

To some extent, the research result has contributed to the specialised science, to the management, administration and exploitation of sea ports. In addition, the dissertation not only is the useful reference for managers, experts, policy makers, planners ... but also actively helps people, enterprises, organisation which operate in maritime transportation and sea port area to make orientation, accomplishment of development plan and policy.

Practical significance:

The dissertation has studied the sustainable development of sea ports in foreign countries and of Saigon New Port to withdraw the experience lesson for sustainable development of Hai Phong port.

Analysis and evaluation the present sustainable development of Hai Phong port based on multi facets including planning and investment on the development of the

sea port, harbour infrastructure, warehouses, transportation infrastructure, narrow passages, equipment and technology for loading and unloading cargo, quantity of cargo and number of people through the port, productivity and capacity of exploitation, support services for sea port development, socio-economic efficiency.

Analysis to clarify the present sustainable development on socio-economic and environmental aspect, particularly what are pros and cons in the sustainable development of Hai Phong port. On that basis, achievement needs to be promote and backward points, partircularly in administration and exploitation of Hai Phong port need to be eliminated.

Analysis the present strength and weakness of Hai Phong port, opportunity and threats at Hai Phong port in comming time; on that basis, on that, proposal solutions for sustainable development of Hai Phong port.

5. New contribution of the dissertation

- The research has systematically studied the common theoretical foundation about sea ports and made contribution the accomplishment of theoretical foundation about sea ports;

- Analyse the necessity of sustainable development of sea ports and introduce the concept of port sustainable development; introduce criteria for development of sea port based on the PhD candidate's point of view;

- Introduce and analyse macro and micro factors which influence the sustainable development of sea ports; provide some case studies about sustainable development of sea ports domestically and internationally.

- Evaluate, analyse to clarify the present condition of Hai Phong port sustainable development including its pros and cons;

- Analyse, evaluate the present strength and weakness as well as opportunity and threats of Hai Phong port in the future;

- Propose solutions for Hai Phong port sustainable development.

6. The construction of the dissertation

It consists of parts in following order: Fore Words; Main content (*including 3 chapters*); Conclusion and recommendations; List of research projects published relating to the thesis; Reference; (*including 6 indexes*).

Hai Phong, February 28th, 2017

The 1st supervisor

The 2nd supervisor

PhD candidate

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