

## PEER LEARNING GROUP (PLG) MEETING of the PRODUCTION TRANSFORMATION POLICY REVIEW (PTPR) of TOGO





In collaboration with





### Pierre CARIOU

### **Economiste Maritime et Portuaire**

Professeur Permanent KEDGE Business School Professeur Affilié – World Maritime University

- 4 juillet 2023 -







## **Agenda**

1. Les ports maritimes sont des lieux permettant la création de valeur...

2. mais ils sont aussi un « éco-système » avec de nombreux intérêts divergents ...

3. Besoin d'actions spécifiques (inclusivité).







# 1. Les ports maritimes permettent de créer de la valeur pour l'économie mondiale...









Les ports sont créateurs de valeur...

... via production (commodities) et les échanges (biens agric. et manufacturés) Les entreprises de transport => capturent la valeur et générent des externalités

Les politiques doivent mettre en place des stratégies logistiques/portuaires







# 2. Les ports sont un « éco-système » avec de nombreux intérêts divergents









		Tools	Impact on the port system
Shipping companies	<ul> <li>Maximisation Profit</li> <li>Increase of Market share</li> <li>Control of logistic chain</li> <li></li> </ul>	<ul> <li>Tariffs</li> <li>Control of costs (Capacity, Volume, Transit time)</li> <li>Marketing</li> <li>Services</li> </ul>	<ul> <li>Size of ships</li> <li>Rationalisation of shipping lines (co-sloting, Alliances, blank sailing)</li> <li>Vertical and horizontal integration</li> <li>Dedicated terminals</li> </ul>
Terminal operators	<ul> <li>Maximisation Profit</li> <li>Increase of Market share</li> <li>Development of traffics (value added services in logistic)</li> </ul>	<ul> <li>Tariffs and services (ie. Windows for shipping lines and other value added services in logistic)</li> <li>Technology</li> <li>Reliability</li> </ul>	<ul><li>Economy of scale on terminals</li><li>Industrialisation of process.</li></ul>
Shippers	<ul><li>Maximisation profit</li><li>Costs savings in the total logistic chain</li></ul>	> Power of bargaining / size	> Volatility
Inland carriers	<ul> <li>Maximisation profit</li> <li>Increase of market share</li> </ul>	<ul> <li>Tariffs, Technology</li> <li>Reliability, safety, green image</li> <li>Transit time</li> <li>Flexibility</li> </ul>	<ul> <li>Competition between inland transports</li> <li>Need of inland infrastructures</li> </ul>
Port Autorithies	<ul> <li>Minimisation of costs of the logistic chain</li> <li>Maximisation of port activities (freight and logistic/industrial implantations)</li> <li>Improving of fluidity, safety and security of the port</li> </ul>	<ul> <li>regulation</li> <li>Infrastructure (ex:nautical access, inland transport infrastructure)</li> <li>Concession of lands</li> <li>Promotion</li> <li>Tariff policy</li> </ul>	<ul> <li>Economic development of the port area.</li> </ul>







OOCL HONG KONG					
6 units in series					
from May 2017					





m m m

Depth Draft

LOA Breath

Nominal TEU

MADRID MAERSK 11 units in series from Apr 2017



20,568 teu 33.2 16.5 210,019 tdw Operated by Maersk Built by Daewoo (DSME)

MOL TRIUMPH 6 units in series from Mar 2017



BARZAN 6 units in series from Apr 2015



MSC OSCAR 12 units in series from Jan 2015

19,224 teu 30.3 16.0 Operated by MSC 197,362 tdw Built by Daewoo (DSME) MSC also has in addtion 6 units built in Samsung and 2 units at Hyundai H.I.



18,982 teu 30.5 16.0 184,320 tdw Operated by COSCO Built by Hyundai H.I.



from Jun 2013

18,340 teu 399.2 59.0 30.3 16.0 Operated by Maersk 194,153 tdw Built by Daewoo (DSME)



hypothetical 'gigamax' ships: variants with 25 and 26 rows

a	vessel class	B/R/T	length	breadth	depth	max teu
5	Megamax-23* (typical ship)	24 / 23 / 22	399.00 m	58.60 m	30.60 m	20,000 teu
	Megamax-24* (typical ship)	24 / 24 / 25	399.00 m	61.00 m	33.20 m	23,500 teu
2	Gigamax-25	26 / 25 / 25	425.00 m	63.30 m	33.20 m	27,140 teu
	Gigamax-25 LNG	26 / 25 / 25	425.00 m	63.30 m	33.20 m	26,800 teu
	Gigamax-26	26 / 26 / 25	425.00 m	66.10 m	33.20 m	28,840 teu
	Gigamax-26 LNG	26 / 26 / 25	425.00 m	66.10 m	33.20 m	28,420 teu

illustration: Alphaliner

This article is based upon data sourced from an extensive study by the Hamburg-based OCEANS

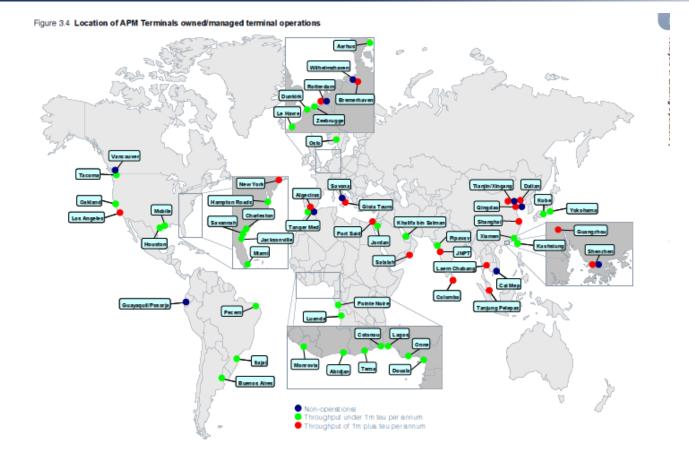
ONE management consultants.

Visit www.oceansone.de for more background information.









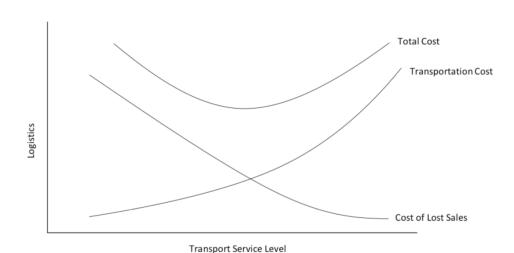




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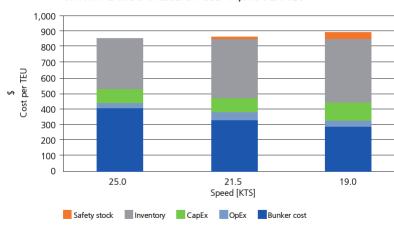


## Les clients/les pays?



The General Relationship of the Cost of Lost Sales to Transporation Cost

### TOTAL COST PER TEU INCLUDING INVENTORY COST WITH A CARGO VALUE OF USD 14,000 PER TEU



>> Figure 2: The average cost per TEU at 25 knots (8 ships), 21.5 knots (9 ships) and 19 knots (10 ships), including the shipper's inventory cost at a cargo value of USD 14,000 per TEU. For SS inventory only, the change from full speed is included.

Source: DNV (2012)







# 3. Besoin d'actions spécifiques (leviers) adaptées à la gouvernance du port

	Infrastructure	Superstructure	Services		
Public port	Public	Public	Public		
Tool port	Public	Public	Private		
Landlord port	Landlord port Public		Private		
Private port	Private	Private	Private		





# Arrière-pays des ports => Attractivité/connectivité + Concurrence inter-portuaire

MARIT. POL. MGMT., JULY-SEPTEMBER 2005 VOL. 32, NO. 3, 297–313 Routledge Taylor & Francis Grou

Port regionalization: towards a new phase in port development

THEO E. NOTTEBOOM\*† and JEAN-PAUL RODRIGUET

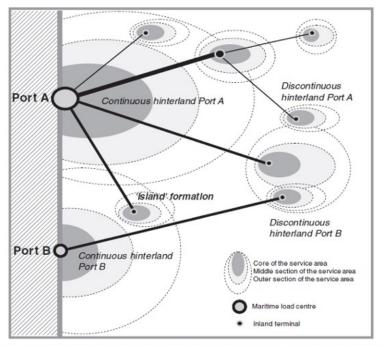


Figure 3. Intruding the natural hinterland of rival ports through the creation of corridor-based 'islands' in the distant hinterland.











## **Concession=> comportement et performance**

#### DRAFT

"The English version has been drawn up only for information purposes and has no contractual value.
In case of discrepancy, the French original text shall prevail".

#### OPERATING AGREEMENT PORT 2000

The present agreement is entered into by and between

- the Port of Le Haure Authority, represented by its Director, being duly authorised to do so by decision of the meeting of the board of directors dated........., hereinafter referred to as "the Port";

- and ..............., represented by Mr. ............., hereinafter referred to as "the Contractor" in the present agreement.

#### Article 1 Purpose of the present agreement

The purpose of the present Terminal Operating Authorisation Agreement (within the meaning of article R. 115-14 of the French Seaport Code of law) is to define the operating and construction conditions for the Port 2000 serminal involving the property located behind the quay between m.p.

It comprises the exclusive authorisation to occupy and make use of the public domain to carry out the work involved, for the stem indicated in article 13 bearinst, within the perimeter defining in the plan specifying its location within the port precinct, as scheduled to the present agreement (armendir 1).

The terminal will enter into service in 2 (two) successive phases:

- an initial phase, concerning the quay berths located between mp \_\_\_\_\_ and \_\_\_\_
- a second phase concerning the quay berth to be built, located between mp and mithin an indicative period of 2 (two) to 3 (three) years after the 2 (two) first borths, subject to the provisions of the present agreement.

The work phase related to this extension will be organized in a concerted manner by and between the parties hereo. The Pert will this all the necessary measures to limit the operating constraints resulting from the aforementationed work, said constraints be supported by the Contractor, which hereby undertakes to do not

The perimeter of the terminal (both phases) is defined by the "agritted its plan schedule hereto (appendix no 2). It excludes the quay wall and the capping beam. It is appeciated in berhind container thips and the resulting goods handling activities. Any change to this perimeter shall be subject to a rifer to the present agreement as marked into by and between the perimeter hereto

It is hereby specified that certain rights of way or easements of access are associated with certain parts of the property. These are subject to a special appendix (appendix no.3).

The Port authorises the Contractor to use the quay wall and the capping beam as the front rail supports for gantry cranes, it being stipulated that these items shall be responsibility of the Port.

The present agreement does not preclude the Port from authorising, by unilateral decision or any agreement entered into with other companies, performance of the tame activities or trade in other parts of Port property.

The terminal concerned by the present agreement forms part of the development plan of the port of Le Havre and, for this reason, will benefit from all the general measures taken concerning containerised curso.

#### DRAFT

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The Contractor may be led to displace its facilities 350 m to the East or to the West

- on request from the Port in the public interest, in accordance with the operating conditions of the terminal.
- In such case the same procedure as that described in article 15.2.c hereinafter and the terms of compensation stipulated in the last two paragraphs of article 15.4 hereinafter shall be applied.
- as a sanction in accordance with the conditions stipulated in articles 16.2 and 16.3 hereinafter.

#### Article 2 Terminal traffic objectives

In the event of an extension to the terminal, in particular by adding operational surface area, the new objective will be specified by mutual agreement in a rider relating to this extension.

- The objectives in terms of service quality are as follows:
- . Operations

The Contractor shall continue to develop quality objectives to maintain its rank among north European leaders in container handling.

2. Procedures

The Contractor shall sign the Port Community Quality Trenty dated 11 June 1997 relating to the management of estrylest movements of container terminals within the Port area (all modes included) and shall adopt the optimization initiative concerning the general organization of access the Port of Le Havar, related to the needs of the shrivenir in its and crosse overstain of the terminal.

The parties hearto, at least once every year, on request from either of them and at the latest on March, thall carry out a joint curvey of the conditions under which these objectives are to be not. Further to the joint proposal and appearant by the Board of Directors of the Port, by the Government of Commissioners and by the Comprehic General, the aforementioned objectives and their due dates may be revised without affecting the general economics of the agreement, in particular to take into account marker changes and new searcher present.





# Exemple: Operating agreement Le Havre Port 2000



Agreement with 20 articles:

Article 1-3: General considerations

Article 4-8: Facilities set up by the contractor/the port

Article 9-10: Obligation/liability

Article 11-13: Fees/taxes/duration of the agreement

Article 14-16: Breach of contract/Termination

Article 17: Status on expiry

Article 18-20: Cost of notification/Litigation





### Article 11. Fees

The contractor must pay a yearly fee calculated as follows.

- •The basic rate  $(R_o)$  is 2 €/m2/year (revised annually according to price index)
- •The objective traffic is 500,000 TEU per year
- •A reference traffic  $(T_r)$  is set at 70% of the objective traffic or 70% x 500.000 TEU = 350,000 TEU







Then, the yearly rent to be paid for reference year n  $(R_n)$  is:  $R_n = R_0 \times K$  with  $K = -30 \times (Tn/Tr) + 130$ 

## Example 1

If Year n, Tn=350,000 for 35 ha Rn=  $2 \in x (-30x(350,000/350,000)+130)\%= 2 \in Yearly fee= <math>2 \in x$  35 ha = 700,000  $\in$ 

## Example 2

Year n, Tn=500,000 for 35 ha Rn=2€ x (-30x(500,000/350,000)+130)%= 2€ x 87%=1.74 € Yearly fee = 1.74€ x 35 ha = 610,000 €







### **CONCLUSIONS**

- Les ports ont toujours été un lieu d'enjeux forts pour le développement des pays/régions
- Ils appellent un mode de gouvernance spécifique ("concession agreement") qui doit être adapté:
  - au contexte du marché pertinent (géographique et économique).
  - au contexte historique (process dynamique de trajectoire de développement).



