

# Port infrastructure

Enabling economy

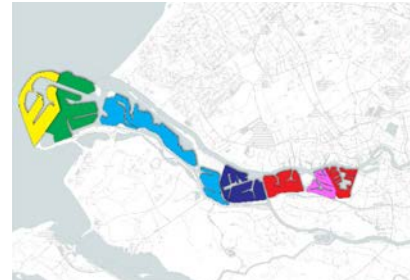
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## Comparison Panama vs. Rotterdam



## Focus



Infrastructure focus



Throughput focus



Value focus

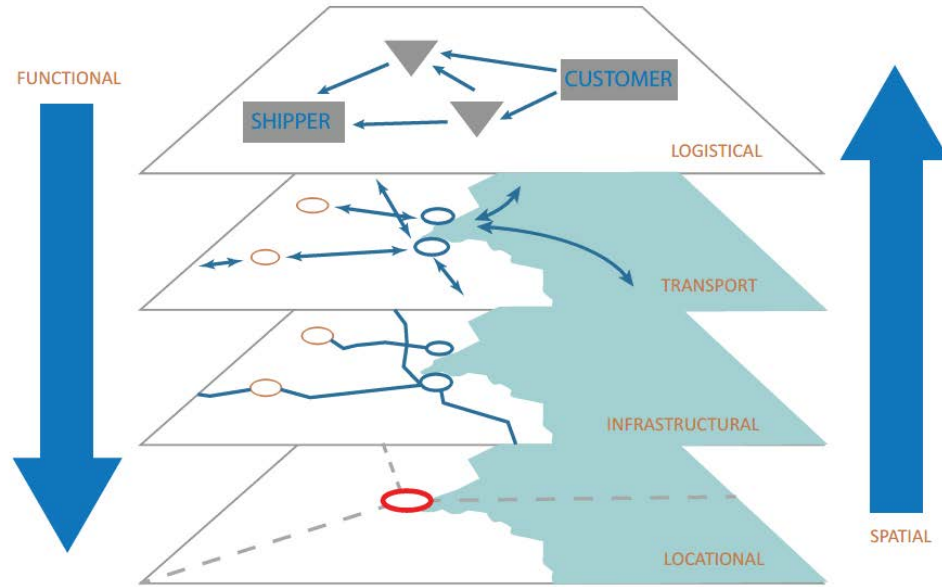


Port city focus



What's next ?

# Multi-layer model for port development



T. Notteboom  
en J.P. Rodrigue

### 3 ambition levels

#### Transport Hub

Panama serves as a transport hub for regional overseas markets

#### Value added logistics hub

In the logistics hub value added activities take place in Panama, This includes blending, re-packing, assembling and the like. After the value added activities the goods are delivered to end markers, both in the hinterland and overseas

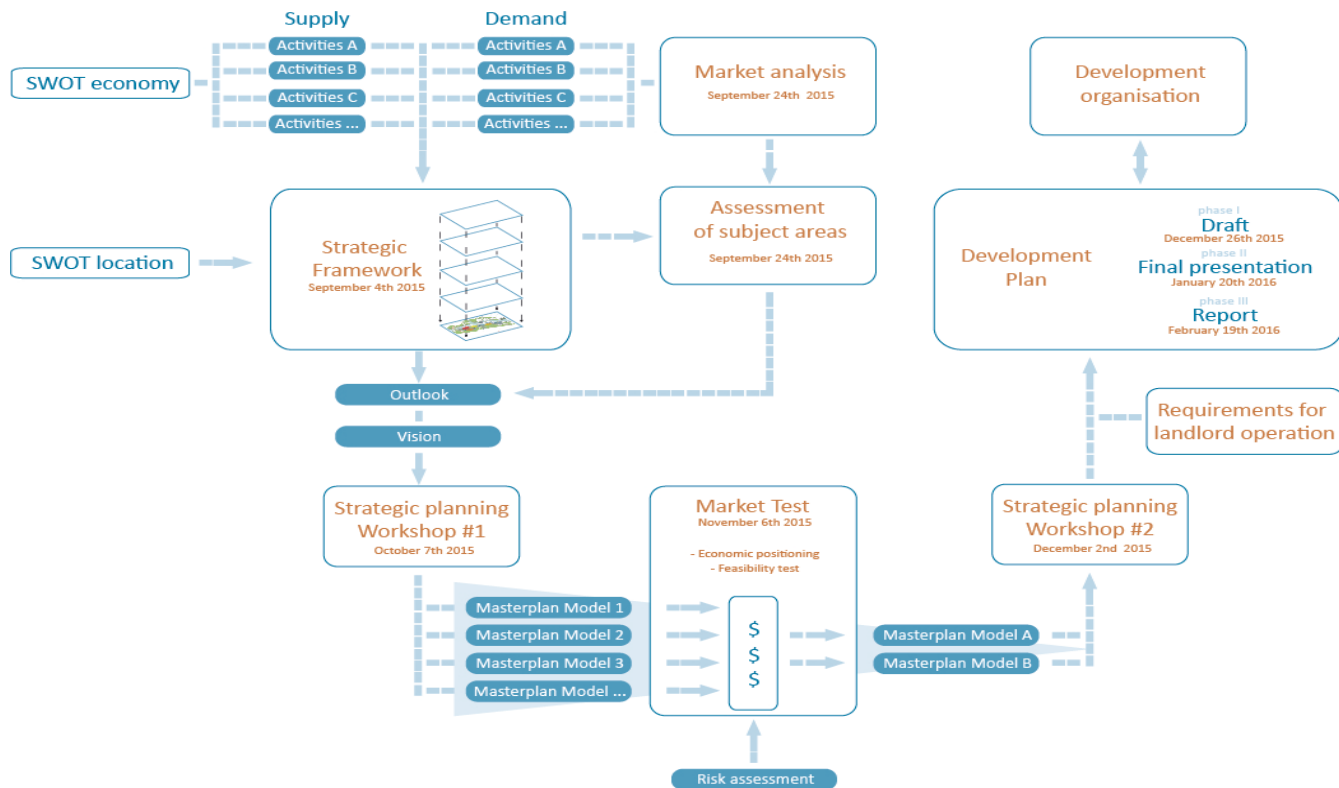
#### Industrial complex

Panama may serve as a manufacturing site, where raw materials are transformed into intermediate and final goods. Panama is especially interesting for manufacturing activities for which competitive supply chain costs are critical



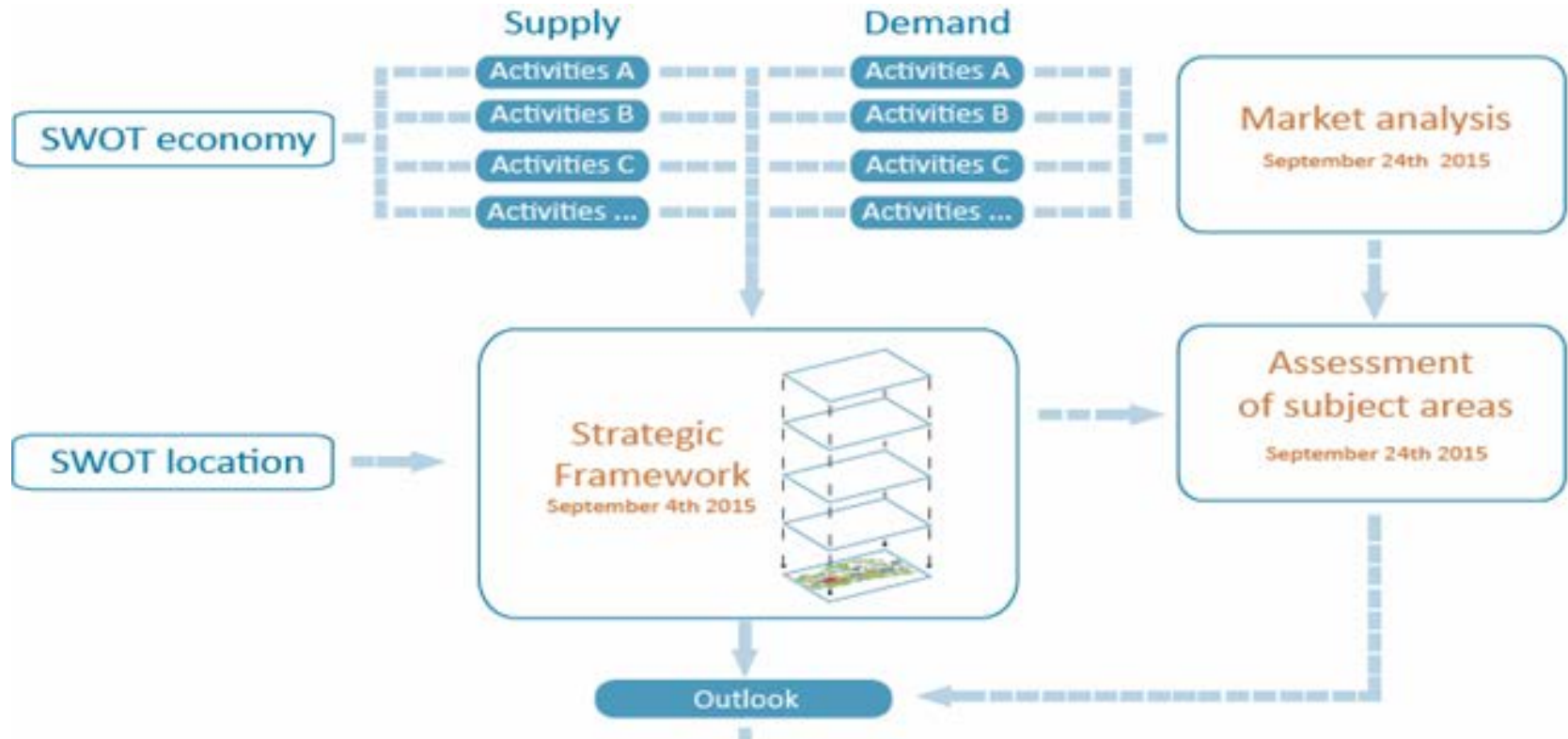
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# Integrated Approach





# Supply Chain, Demand and Location



## Analysis of Scenarios (stakeholder workshops and market tests)



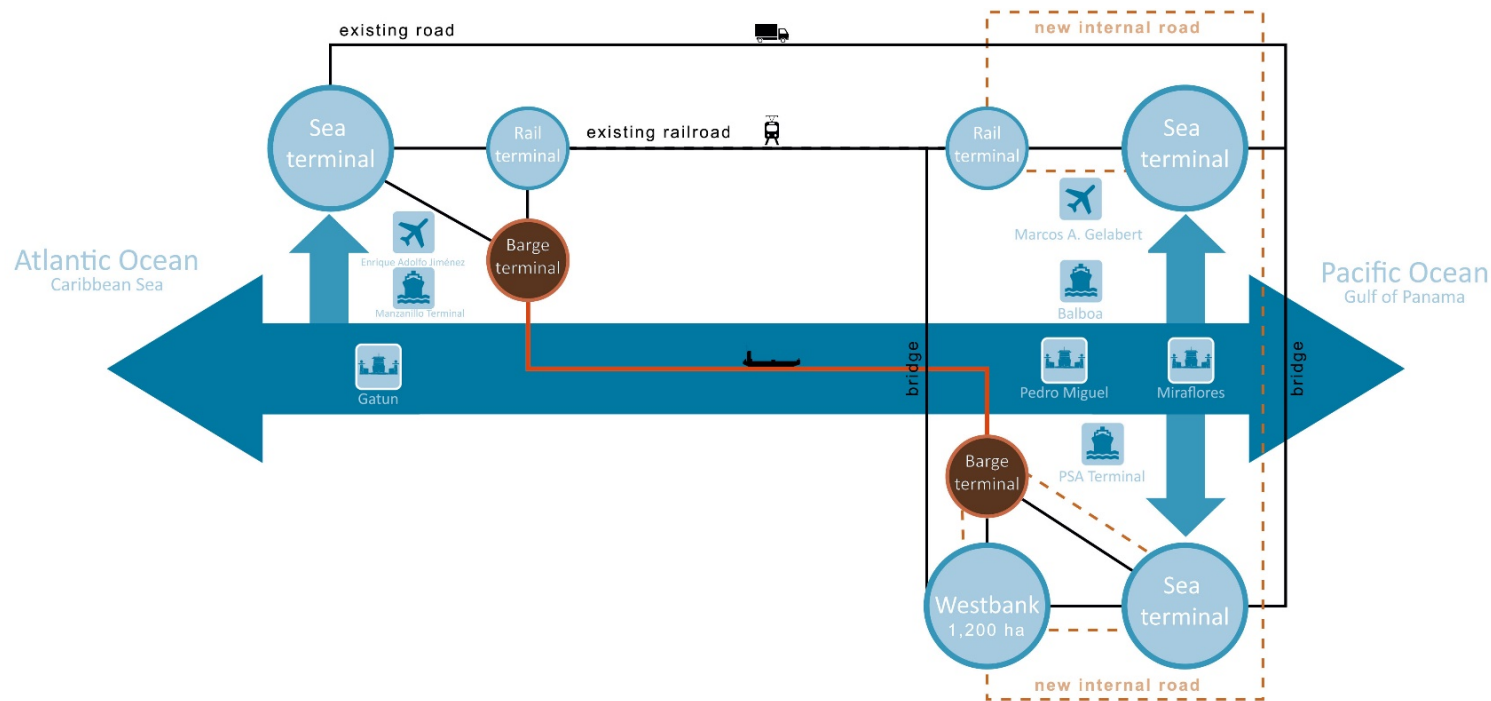




## Stakeholder involvement



# Hinterland Connectivity

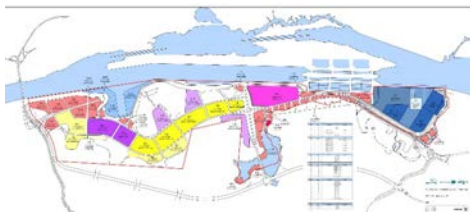




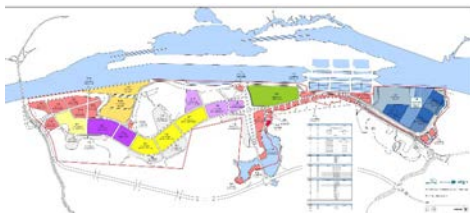
# From scenarios to clusters



Model A: Cluster vehicles, cluster bio based economy



Model B: Cluster food processing, cluster project cargo



Model C: Cluster bio based economy, cluster agro industry















**A chicken-egg problem ...**

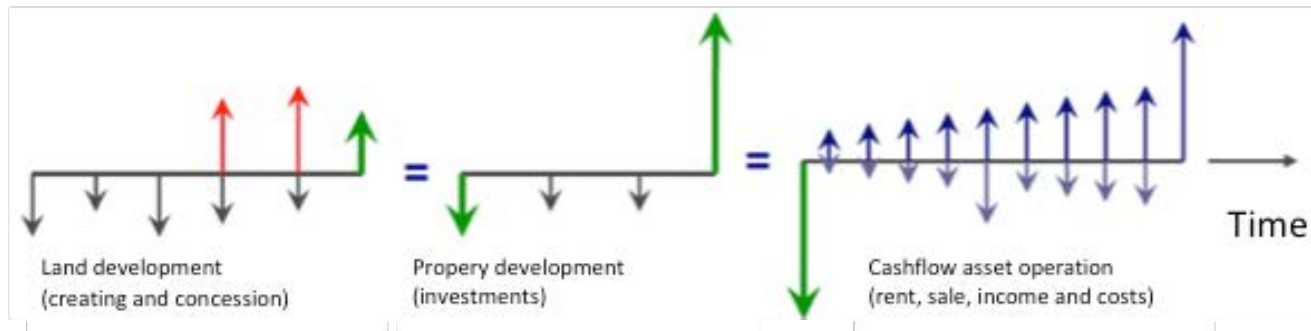




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← Read in this direction

## State aid: December 2017

### EU Commission widens scope of the General Block Exemption Regulation on maritime ports and inland ports.

The aid cannot exceed a certain absolute threshold (between €40 million and €150 million), depending on whether the project concerns a maritime port or an inland port and whether the port is included in a core network corridor under the TEN-T Regulation.

# TEN-T Corridors





## Conclusions:

- Goal is economic growth not the development of infrastructure
- Ambition level focusses on value
- Create certainties and eliminate uncertainties
- Sometimes a first step from public side is needed
- Block exemption and subsidies can support this

# Questions?

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