Bringing Seaports Closer

Motivation / Background

Jordan
777.5 thousand
USA
48.4 million
China
199.6 million
Brazil
83.5 million
Annual TEU Throughput Volume
IQ Rank
Container Import Lead Time in Days
Sources: Logistics Performance Index 2016, World Bank, UNCTAD

Key Questions
1. What elements affect the containerized transport movement?
2. What are the outcomes of integrating seaports with nearby dry ports?

Relevant Literature
- Veenstra, A., Zuidwijk, R., Asperen, E.V. (2012). The extended gate concept for container terminals: Expanding the notion of dry ports

Methodology
- Literature Review
- Casual Loop Diagram
- SWOT Analysis
- Comparative Analysis
- Sensitivity Analysis

The Problem
Jordan’s current transport chain suffers from the following issues:
- Fragmented Processes
- Delayed Delivery
- Costly
- Inefficient Supply Chains

Initial Results
- Current system is vulnerable to drastic increase in containerized cargo volumes.
- Investment in a dry Port and integrating it with the seaport will create a more sustainable and resilient transport chain.

Expected Contribution
- Supports a sustainable transport chain for the expected volumes for future decades.