

# Marine Commerce Trends & Impacts of Larger Shipping to VA's Coastal Zone



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# Marine Commerce Trends → Increased Demand for Larger Ships

- **Container Shipping Consolidation: economies of scale.**  
Vessel Capacity vs Cargo Demand => lower freight rate.
- **June 2016 - Panama Canal Expansion:** increase in size and frequency of vessels calling on East/Gulf Coast Ports:
  - Existing Locks: 106' Beam, 39.5' Draft and 965' LOA, ~5K TEU
  - New Locks: 160' Beam, 50' Draft and 1200' LOA, ~13K TEU
- **July 2015 - Suez Canal: deepening & 2<sup>nd</sup> shipping lane expansion** allows 2-way traffic; queue times ↓ 11 to 3 hrs.
- **Vessel size, consolidation & canal expansions** → renewed competition & urgency among East Coast Port Authorities for *Deeper, Wider, and Safer* channels.
- **“The Port needs to be ready to make a quantum leap from 9,600 TEU to 14,000 TEU ships tomorrow, not several years from now.”** *John Reinhart, CEO of VA Port Authority, June 2016*



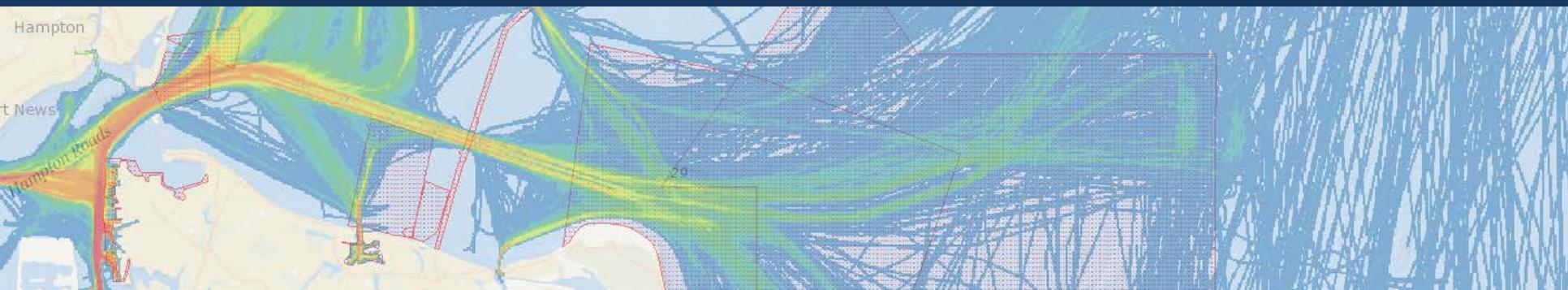
# OAP: Marine Commerce & Navigation Actions

Action 1: Monitor marine commerce trends & traffic patterns to identify and address emerging commerce and navigation needs.

Action 2: Maintain reliable ocean use data sets relevant to navigation.

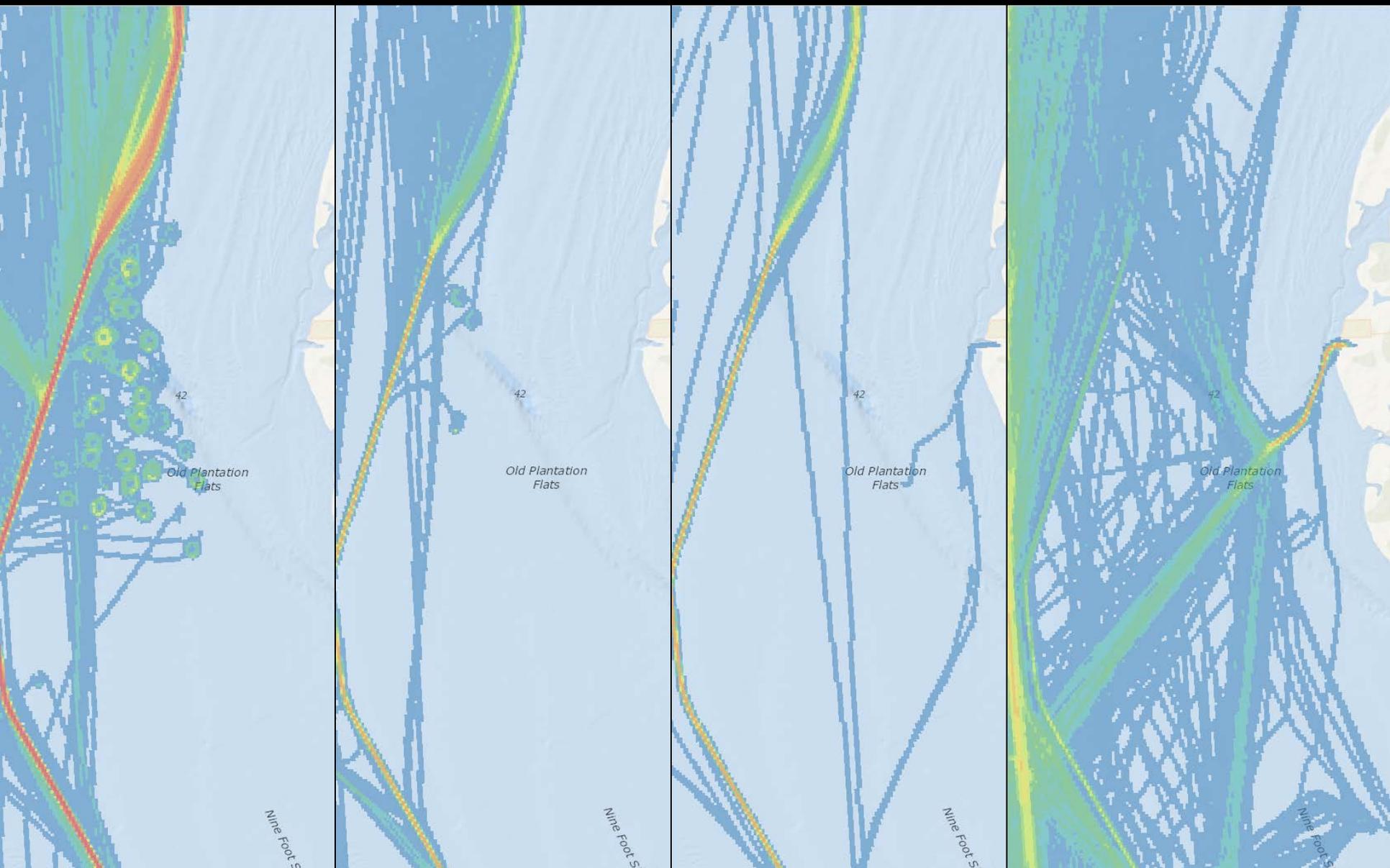
Action 3: Catalogue intersections between entities whose authorities influence marine commerce and navigation and identify opportunities for improved coordination.

Action 4: Identify impacts to navigation and port infrastructure stemming from the Panama Canal Expansion





# Action 1: Monitor marine commerce trends & traffic patterns to identify and address emerging commerce and navigation needs.

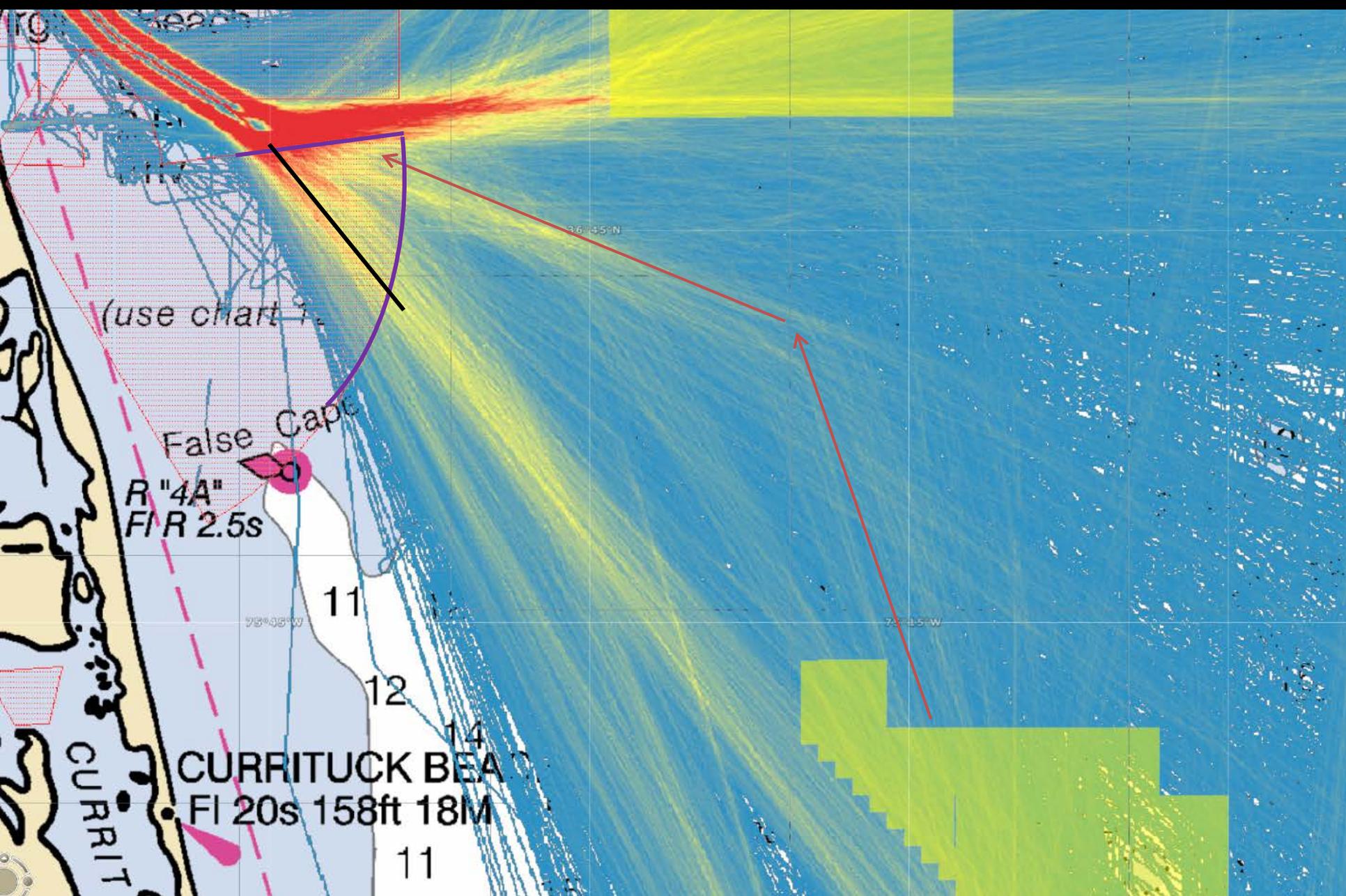


# Monitor marine commerce trends & traffic: Marine Highway





# Action 2: Maintain reliable ocean use data sets relevant to navigation.

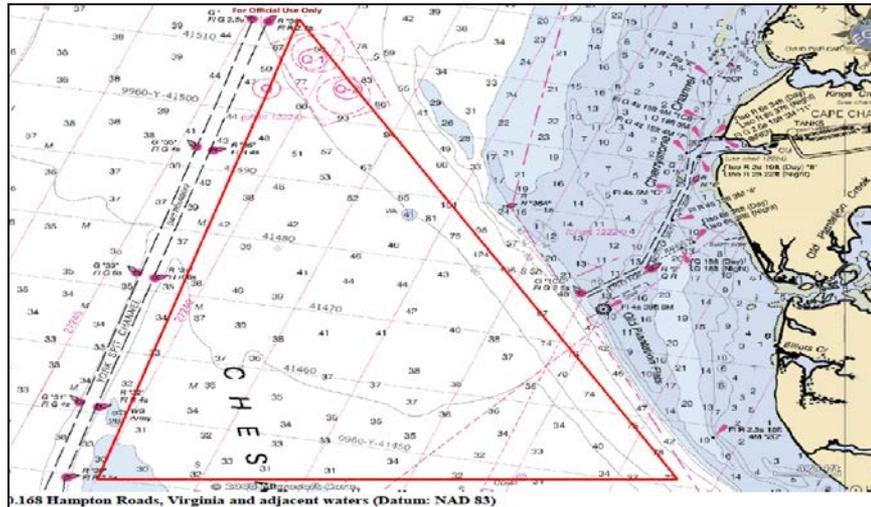


# Action 3: Intersections & Coordination - Port of Virginia maritime and terrestrial challenges

751' M/V ORNAK Aground  
Lynnhaven Inlet April 15, 2014



HRTPO-vote for Altern. Plan A \$4B  
2024= 4 to 6 lanes. (Cheapest of 4)



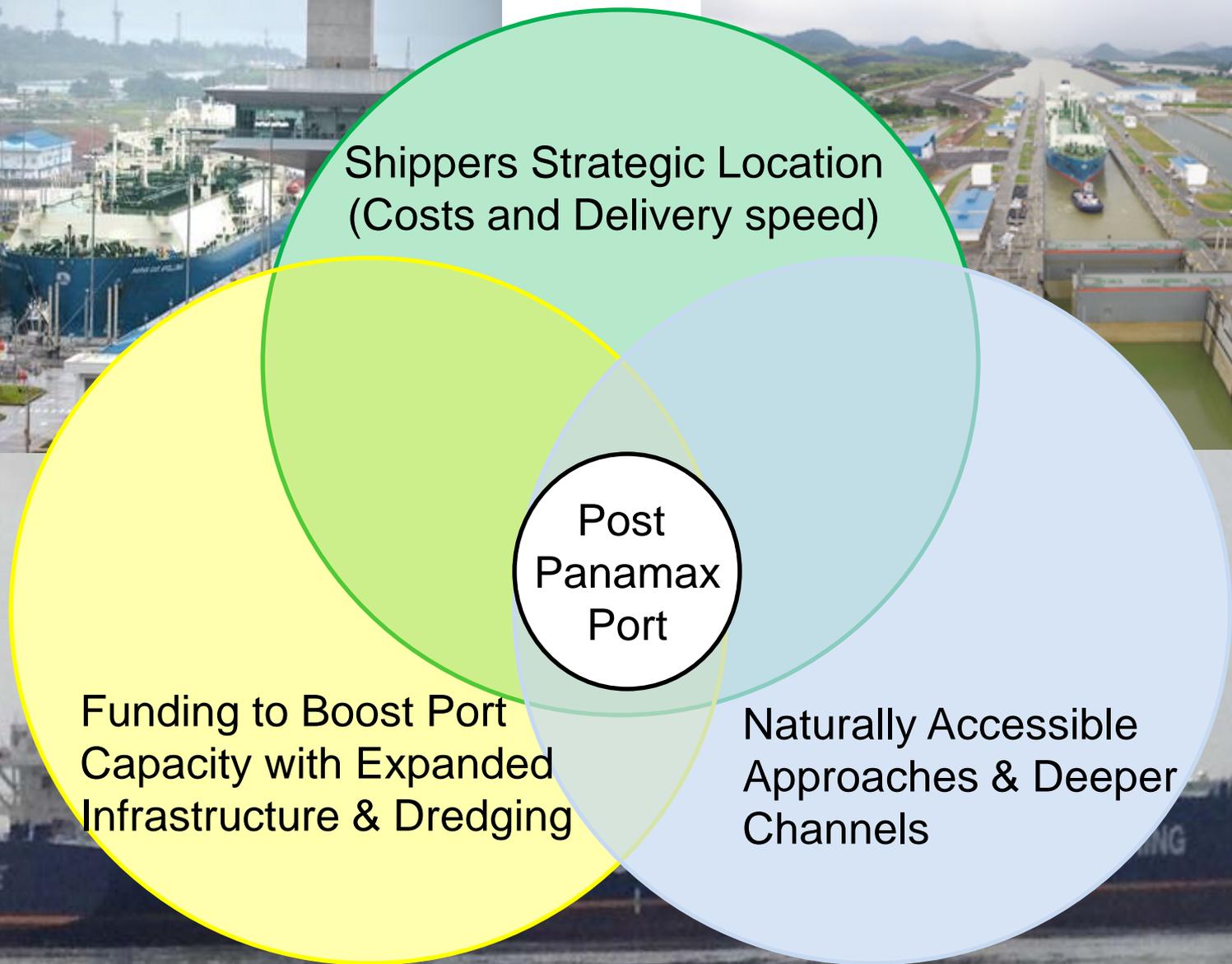
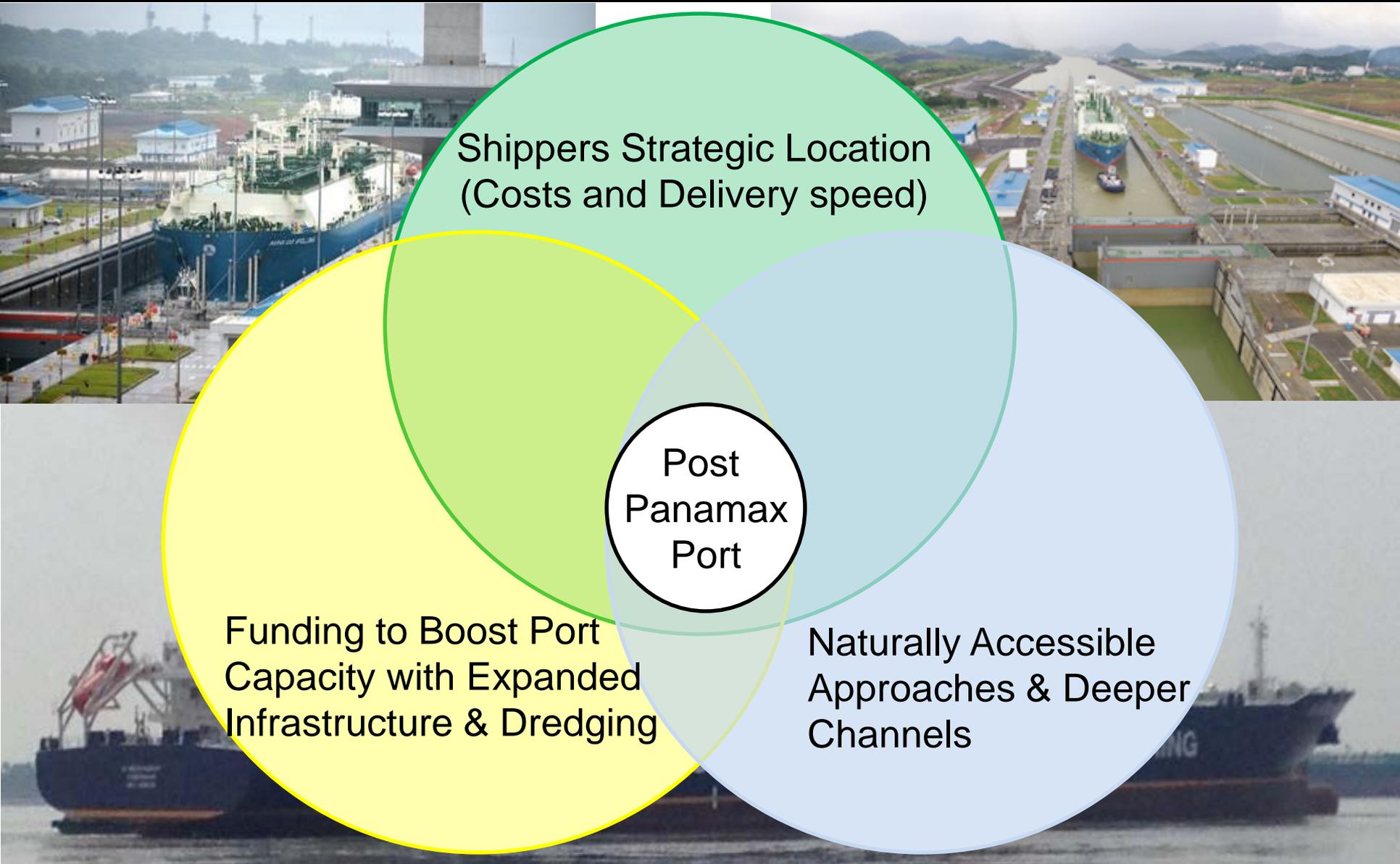
Sparse anchorage space



Ballast water management



# Action 4: Identify impacts to navigation and port infrastructure stemming from the Panama Canal Expansion



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Questions?



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