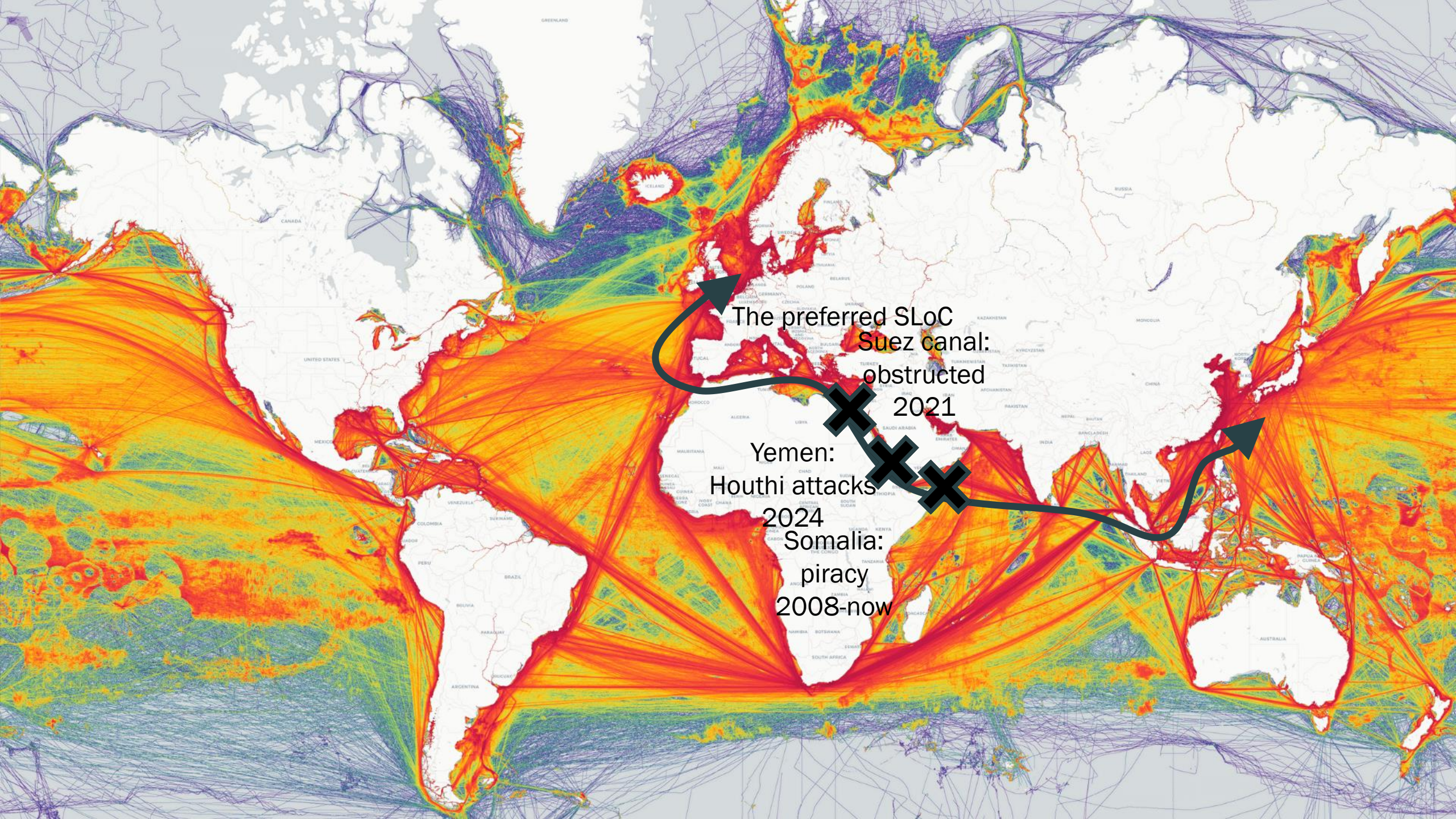




# WORLDWIDE HYDROGRAPHIC CAPACITY DEVELOPMENT

The Europe/Pacific Sea Lines of Communication  
underpinning the world economy

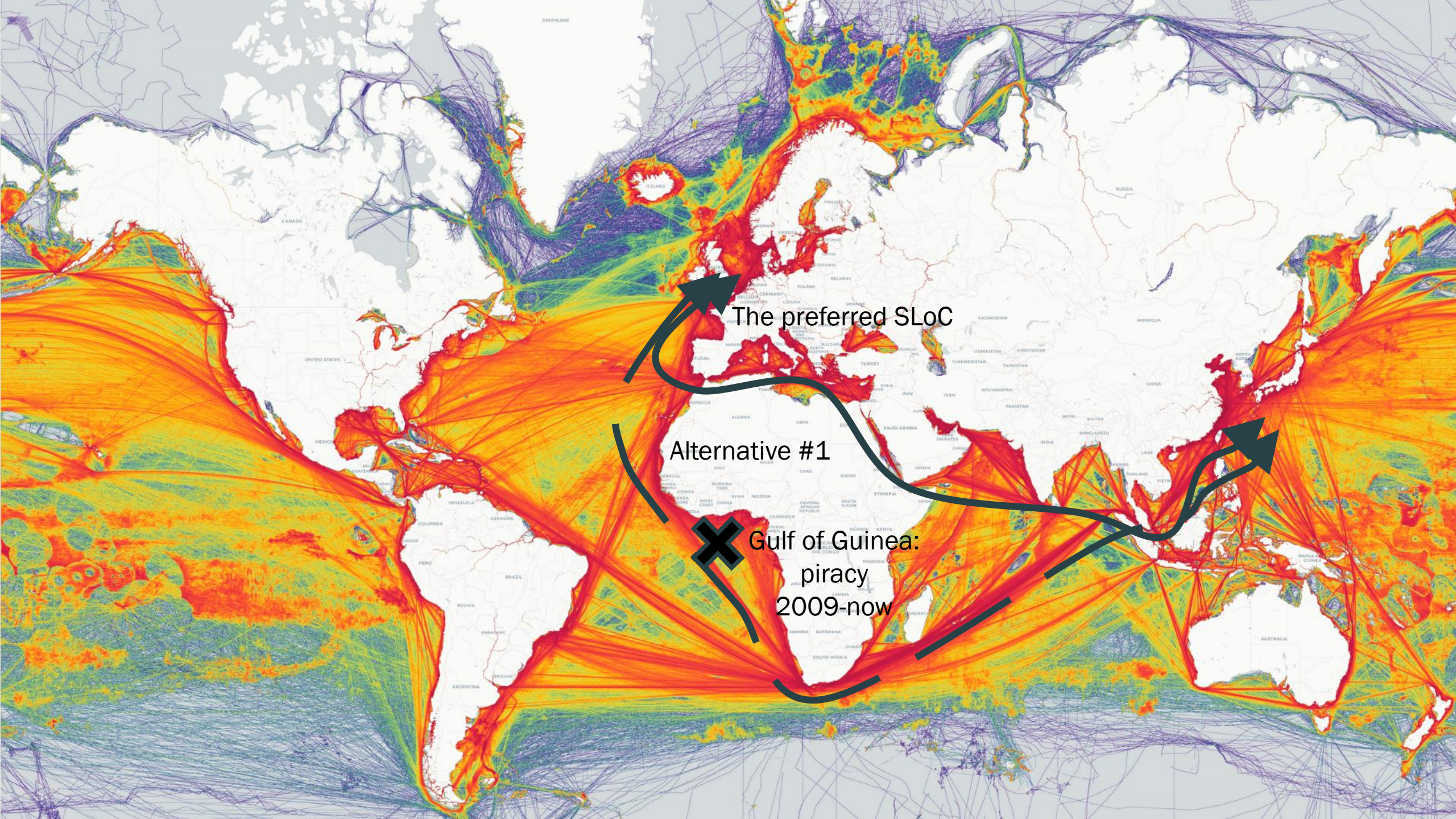




The preferred SLoC  
Suez canal:  
obstructed  
2021

Yemen:  
Houthi attacks  
2024  
Somalia:  
piracy  
2008-now



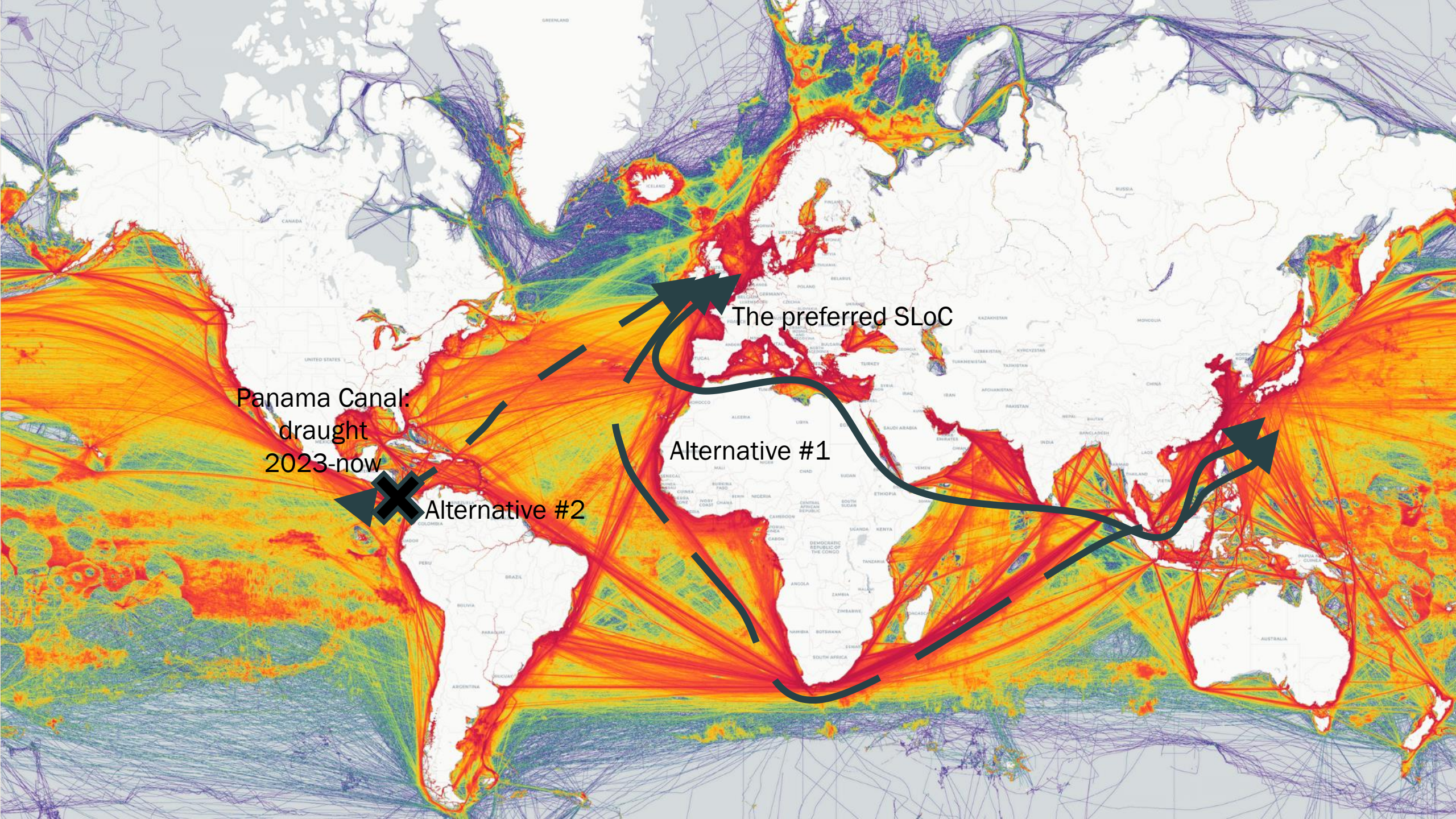


The preferred SLoC

Alternative #1

**X** Gulf of Guinea:  
piracy  
2009-now





Panama Canal:  
draught  
2023-now

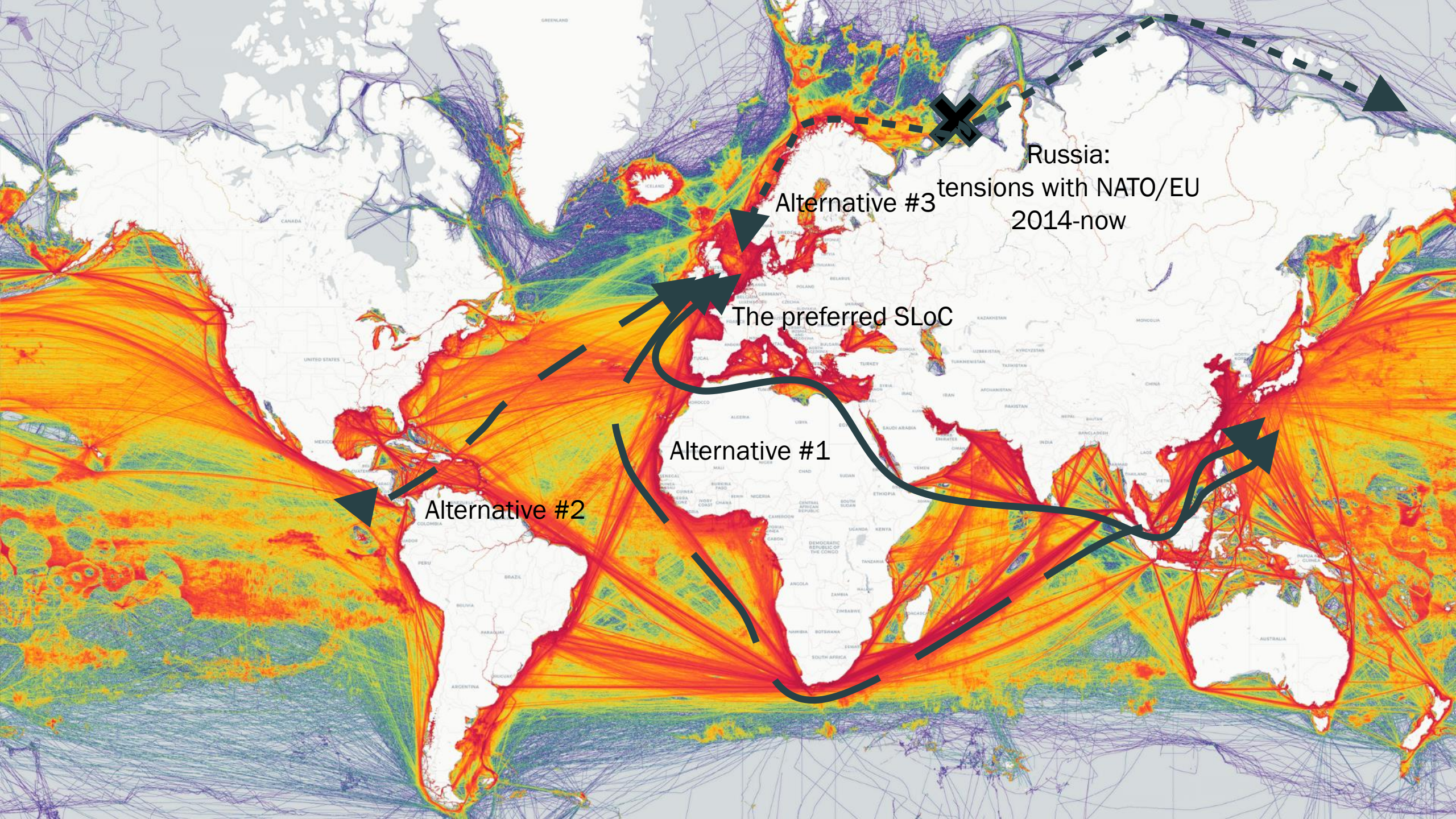


Alternative #2

Alternative #1

The preferred SLoC





Russia:  
tensions with NATO/EU  
2014-now

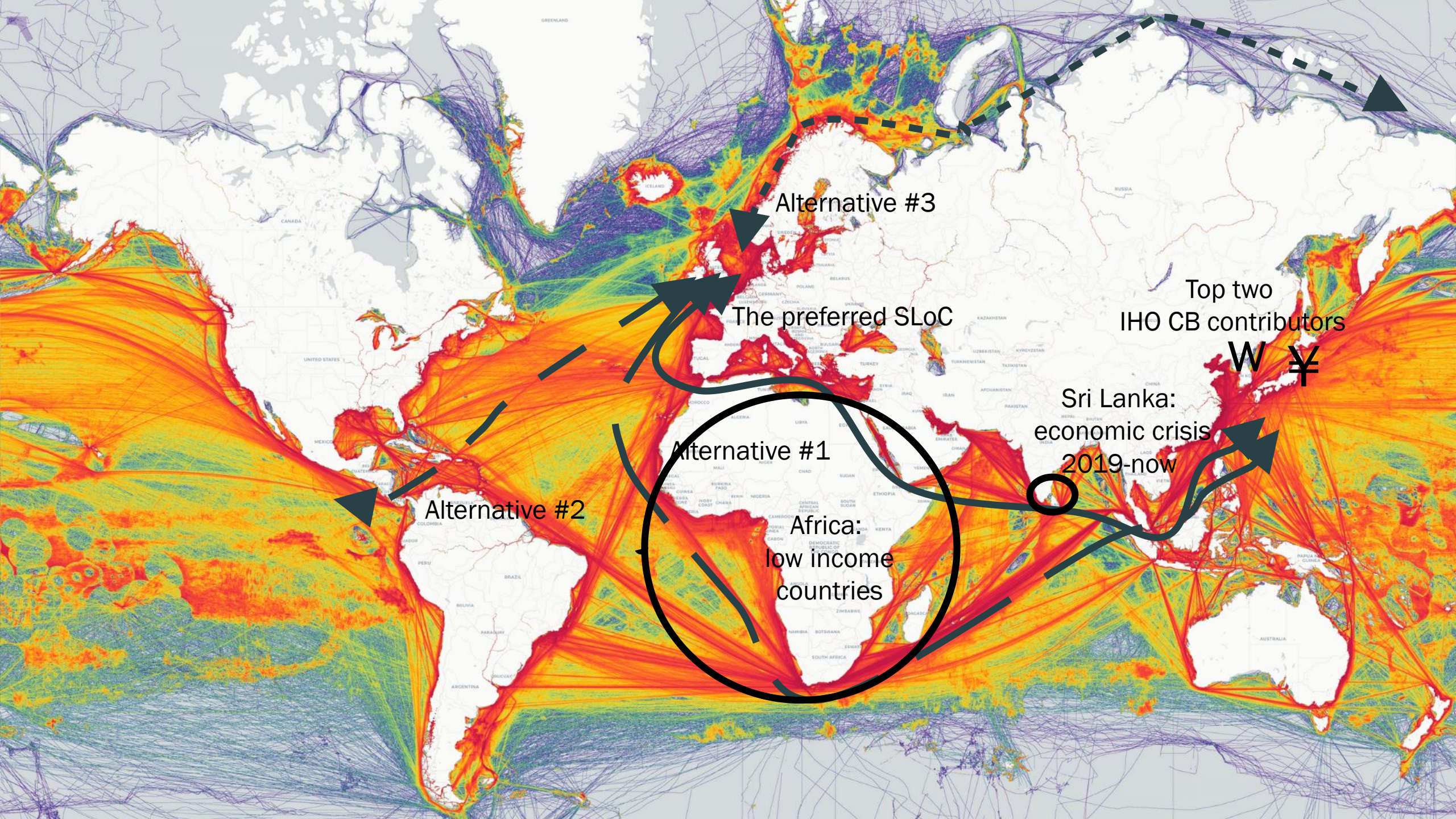
Alternative #3

The preferred SLoC

Alternative #1

Alternative #2





Alternative #3

The preferred SLoC

Top two  
IHO CB contributors

₩ ¥

Sri Lanka:  
economic crisis  
2019-now

Alternative #1

Africa:  
low income  
countries

Alternative #2



## IHO C-55: Status of Surveying and Charting Worldwide

Sri Lanka:

Depths <200 m: 8% adequately surveyed

“surveys of more than 60% of the area were conducted more than 60 years ago using lead lines”

Offshore/coastal passage: 100% covered by INT charts and ENC.s.

Madagascar <200 m : 1% adequately surveyed

Offshore/coastal passage: 100% covered by INT charts and ENC.s.

Panama <200 m : 29% adequately surveyed

Approaches and ports: 85% covered by INT charts and ENC.s.

## Conclusion

- We need a resilient network of SLoCs as a fundament for the world economy.
- We need reliable nautical charts (INT, S-57, S-1XX) to enable safe navigation.
- We are as strong as the weakest link.
- Investments in hydrographic capacity development elsewhere are investments in our own maritime accessibility.



# THANK YOU!

Any question?

