



3er Taller Nacional del Proyecto GMN II Fase I

Corredores marítimos verdes en el Canal de Panamá ante el riesgo climático

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Proyecto corredores verdes en Panamá y riesgo climático

- La centralidad de Panamá propone el desarrollo de infraestructura para suplir de combustibles limpios y promover la eficiencia energética
- El Canal de Panamá está en un momento de reflexión por los efectos del riesgo climático
- Los esfuerzos de decarbonización de la industria propone una oportunidad para Panamá
 1. Diversificación de mercado
 2. Posición atractiva que reduzca gastos de transporte de combustibles
 3. Financiación que permita sostenerse ante el riesgo climático
- Corredores Marítimos Verdes propone un estandar a ser considerado para Panamá

CNN Politics

Sign In

Trump's Panama Canal threats leave country's officials scrambling for answers

By Phil Mattingly and Andrew Seger, CNN

13 min read · Updated 9:34 AM EST, Fri January 17, 2025



Photo Illustration by Ian Berry/CNN/Adobe Stock/Getty Images

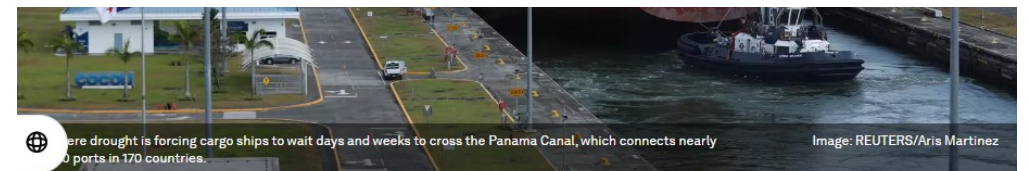


Image: REUTERS/Aris Martinez

Sin reinventar la rueda

- Estudiar los candidatos a corredores verdes en Panamá y las barreras y ventajas que ofrecen
- Hemos identificados socios en Chile y Brazil
- Áreas por identificar
 - Eficiencia operativa
 - Demanda energética
 - Suplidores de combustibles verdes
 - Red logística



Greenhouse gas mitigation at maritime chokepoints: The case of the Panama Canal

Gabriel Fuentes ^{a b} , Roar Adland ^b

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Abstract

In this study, we investigate the impact on shipping emissions from improving operational efficiency in a maritime chokepoint such as a canal. We consider several scheduling proposals that allow for different levels of speed reduction for incoming vessels and estimate the resulting emission reduction compared to a benchmark established from ship position data. For our case study of the Panama Canal, we estimate that the canal could have removed up to 1.8 million tonnes of CO₂e per year for the period of 2019 to 2021. Our findings suggest that emission reduction can be easier to obtain at intermediate points as many of the contractual barriers to improving operational efficiency do not apply.

Participantes y colaboradores



NHH



Participantes y colaboradores



Sin reinventar la rueda... o parte de la rueda



Canal de Panamá

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Taller de corredores verdes marítimos en Panamá

Con el objetivo de impulsar la descarbonización del transporte marítimo, se ...more



[Emissions](#) [Waiting Time](#) [Service Time](#) **Energy** [Explorer](#) [About Us](#)

Selected Week Range

2019-W01 to 2019-W27

Date Range

2019-W01

2019-W27

Origin Country

Destination Country

Refresh Charts

Total Weekly Energy Transported ⓘ

kWh



Energy Transported by Vessels via Panama ⓘ

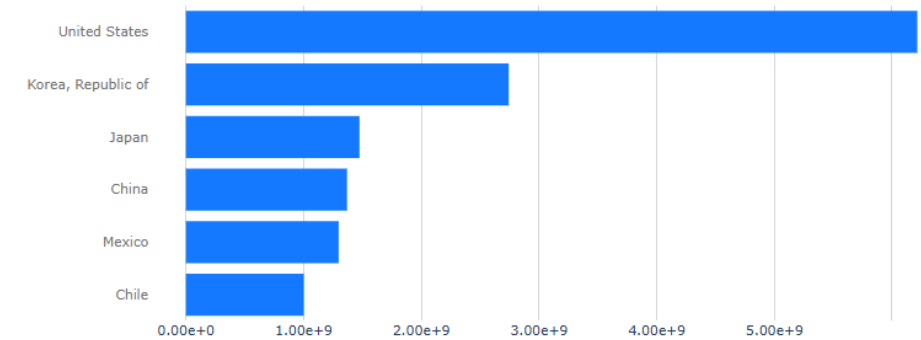
kWh



Energy Transported by Vessels via Panama ⓘ

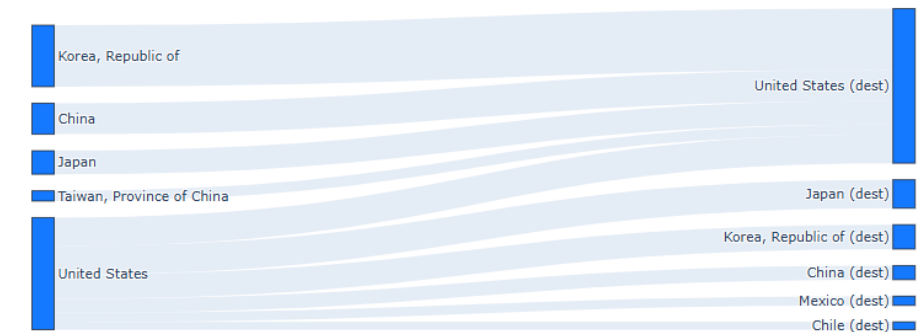
Origin

kWh



Energy Interchange Between Countries via Panama ⓘ

kWh



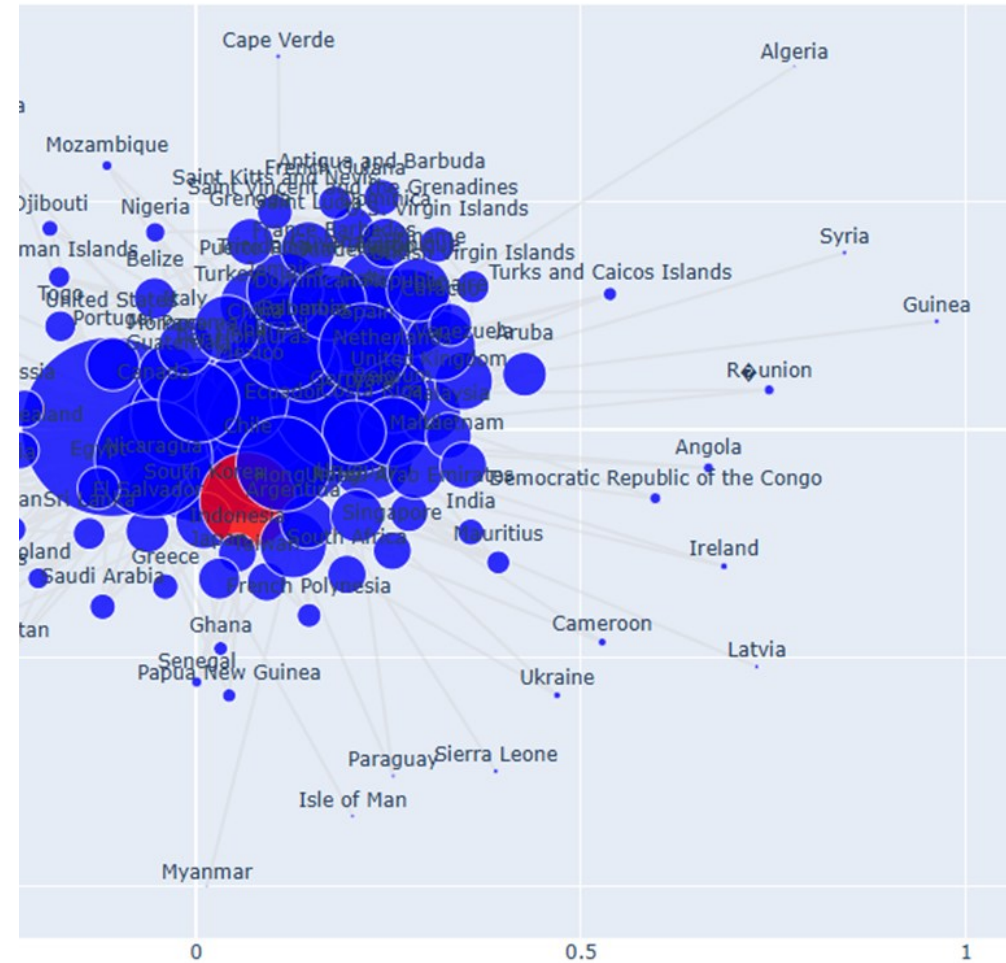
This dashboard was developed as part of the project "Green Shipping Corridors in the Panama Canal under Climate Risk", partly sponsored by SENACYT under project number 060/2024 and with AIS data provided by the [UN Global Platform](#).

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Recursos

- Tiempos de fondeo
- Tiempo de servicio en puerto
- Demanda energética por país
- Emisiones locales y alcance 3
- Gráficas de centralidad
- Ranking de rutas por demanda energética

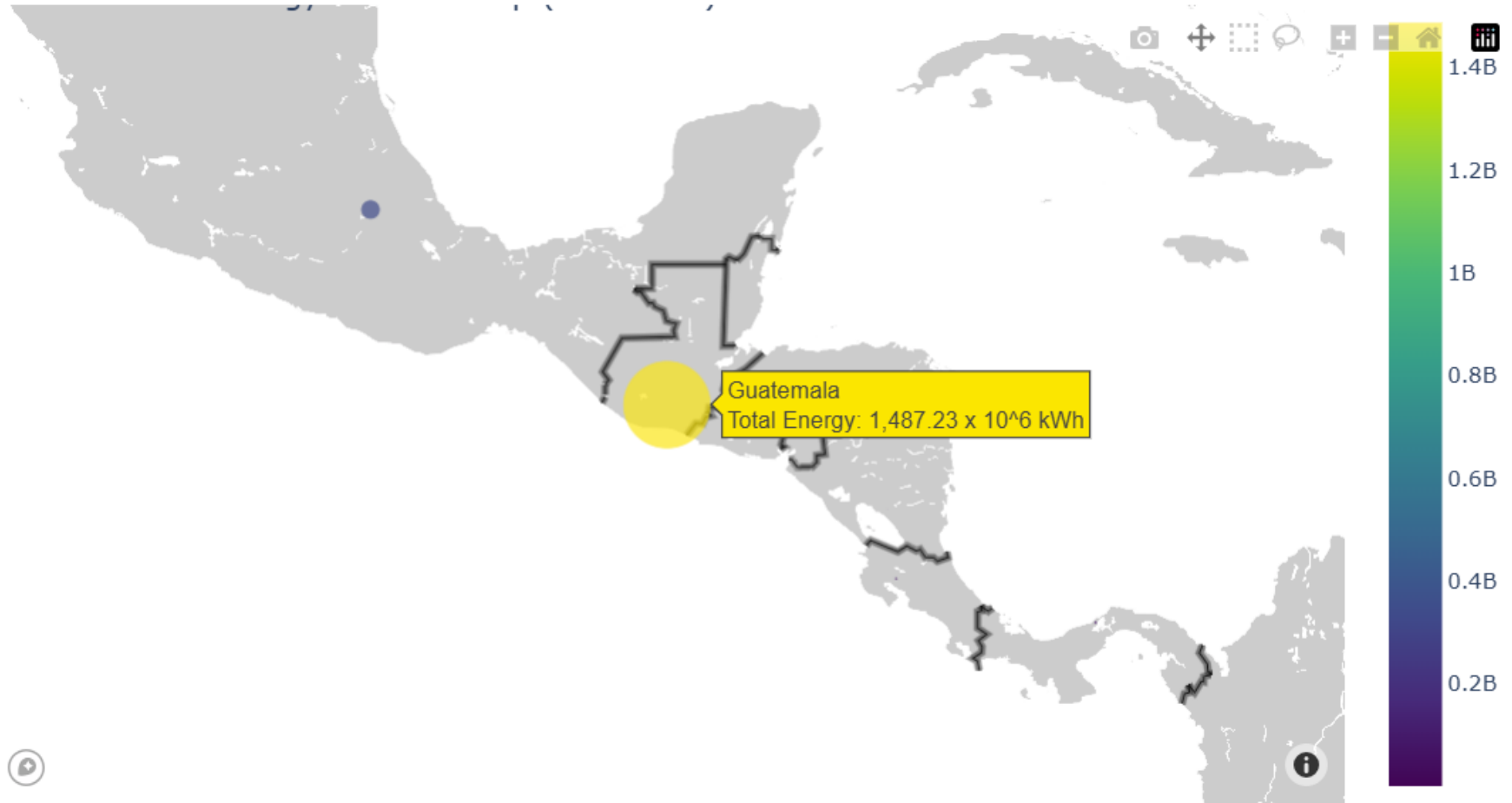
or Centrality



Country	Eigenvector Centrality
United States	0.28
China	0.25
Democratic Republic of the Congo	0.24
India	0.23
Saudi Arabia	0.23

Recursos

Americas Energy Demand Map

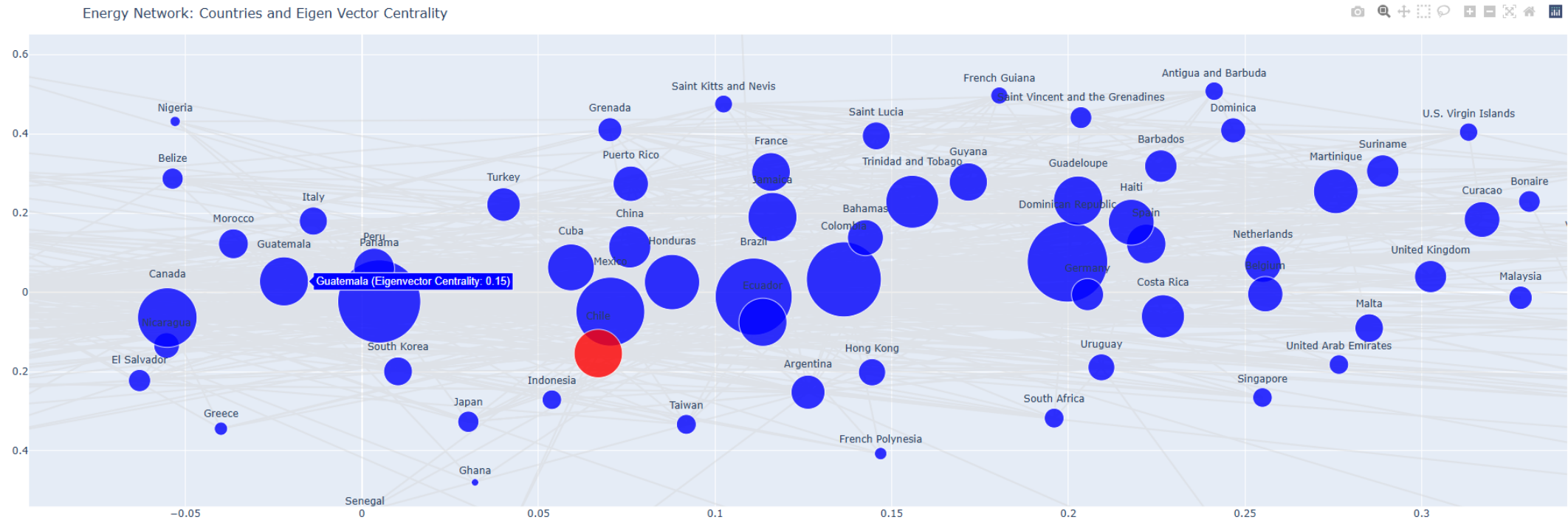


Recursos

Americas Energy Demand Map



Guatemala– un caso de corredores verdes de contenedores

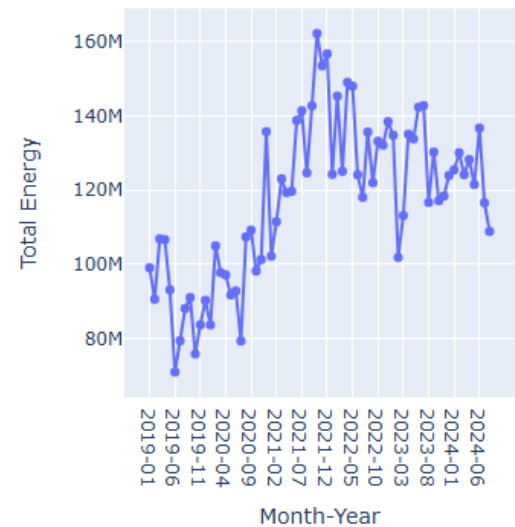


Guatemala – un caso de corredores verdes de contenedores

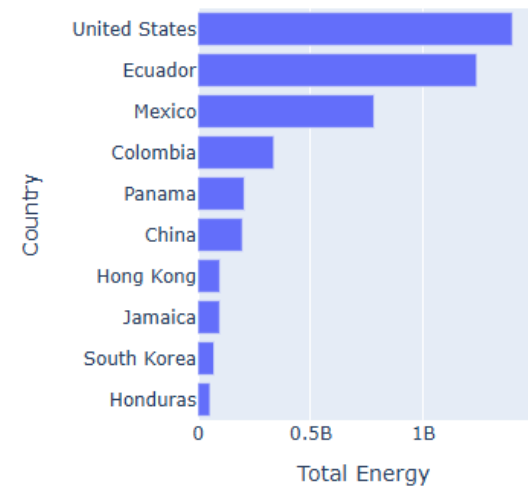
Rank	Port/Country	Eigenvector Centrality
1	United States	0.28
2	Panama	0.25
3	Dominican Republic	0.24
4	Brazil	0.23
5	Colombia	0.23
6	Mexico	0.21
7	Canada	0.18
8	Honduras	0.17
9	Trinidad and Tobago	0.16
10	Guadeloupe	0.15
11	Jamaica	0.15
12	Guatemala	0.15
13	Chile	0.15
14	Ecuador	0.15
15	Cuba	0.14

Guatemala

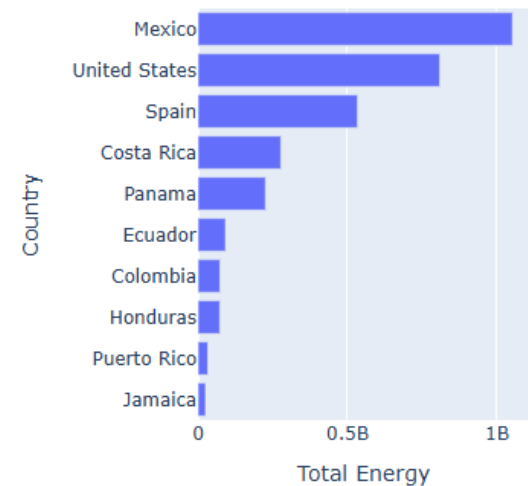
Energy Demand Over Time



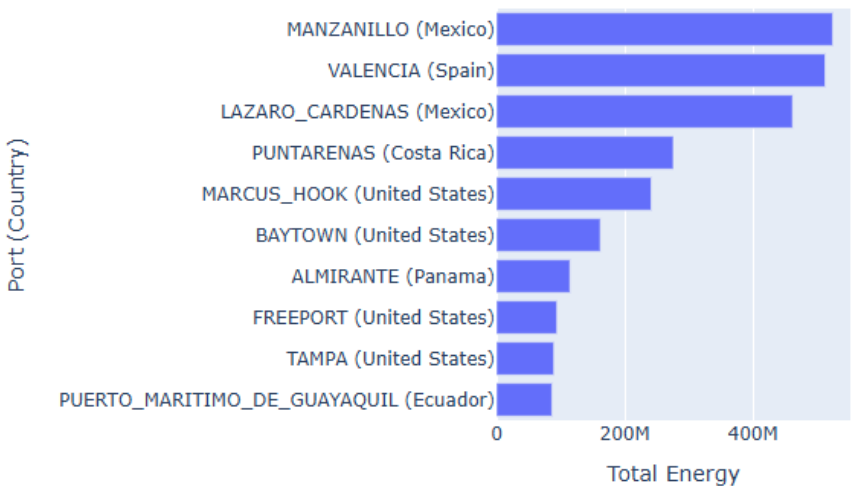
Top 10 Destination Countries



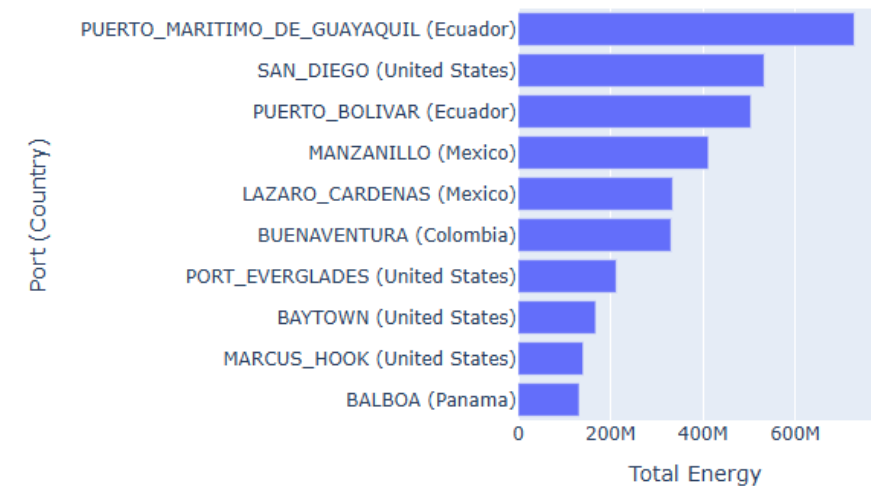
Top 10 Origin Countries



Top 10 Origin Ports



Top 10 Destination Ports



Nuestra vision de futuro

- Ser part de los estudios de factibilidad, organizado por Mckiney Møller Center for Zero Carbon Shipping
- Identificar socios regionals que les haga sentido acceder a mayor demanda energética para prover de combustibles verdes
- Escenarios de riesgo climático y predicción de afectaciones
- Eventualmente un modelo de IA que permita sugerir alternativas operativas para la reducción de emisiones y mejoras operativas
- Decisiones alimentada en una nueva version del tablero y que sea utilizado en un corredor verde



SEAnalytics

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mtcclatinamerica.com



**Indicadores Estadísticos de Sostenibilidad y
Eficiencia Marítima de Panamá**

[Abrir Dashboard](#)



Gracias