

# Impulsando el futuro:

El mercado de Gas LP de América Latina  
ante la transición energética

**Adrian Calcano**

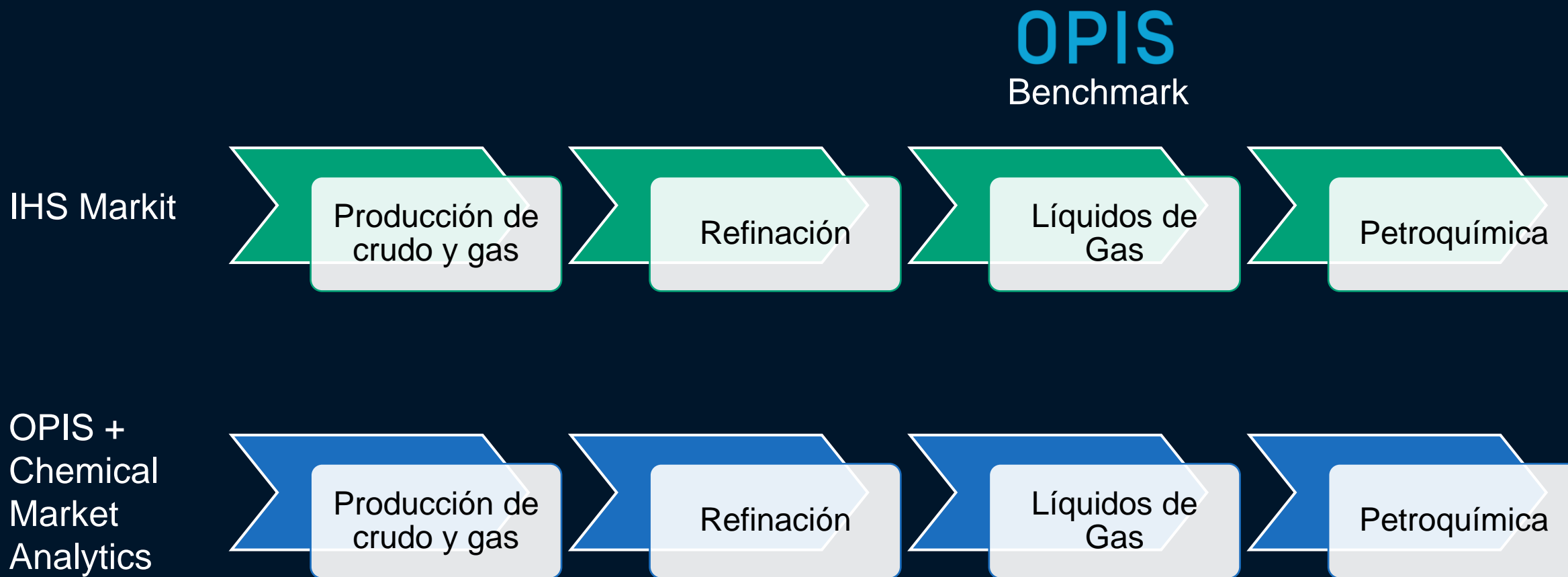
VP, Energía y Materias Primas

Chemical Market Analytics by OPIS

A Dow Jones Company



# OPIS: El marcador de precio global del Gas LP



THE WALL STREET JOURNAL.

BARRON'S

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**Rystad  
Energy**

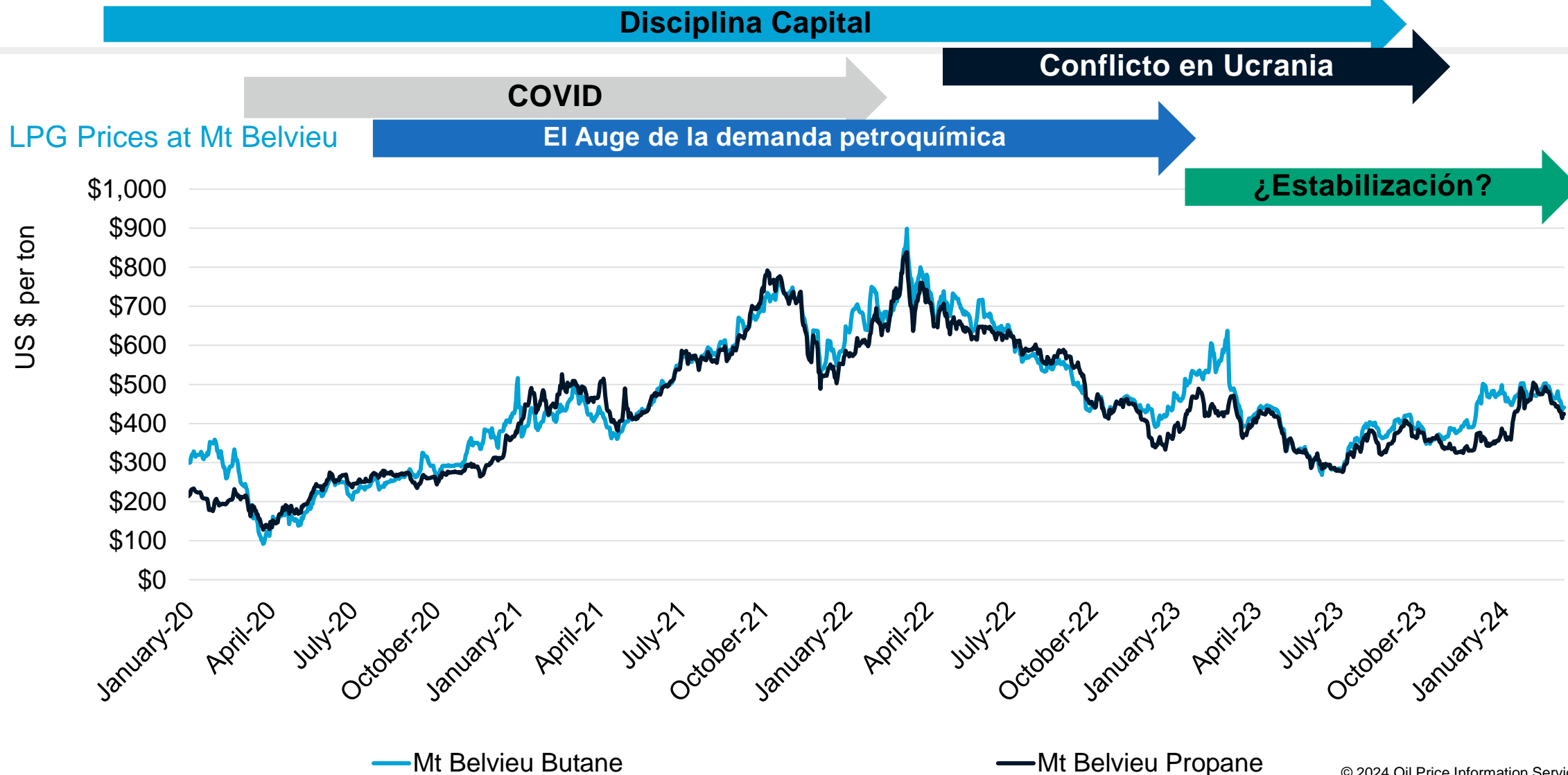
CHEMICAL  
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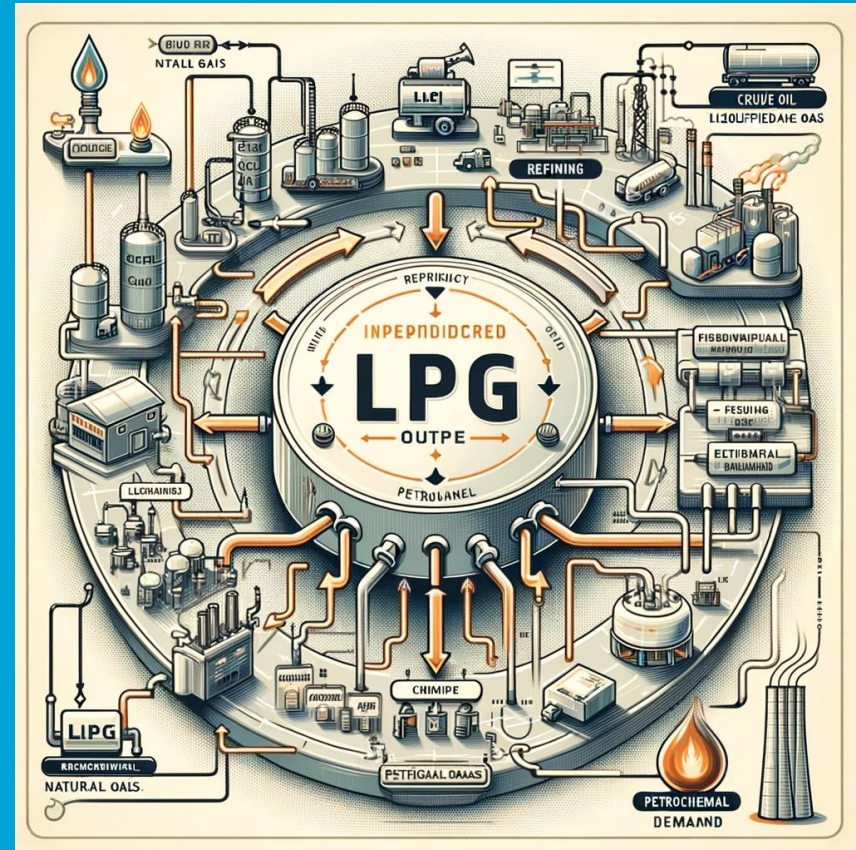
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# Los precios del Gas LP: ¿Cómo llegamos aquí?

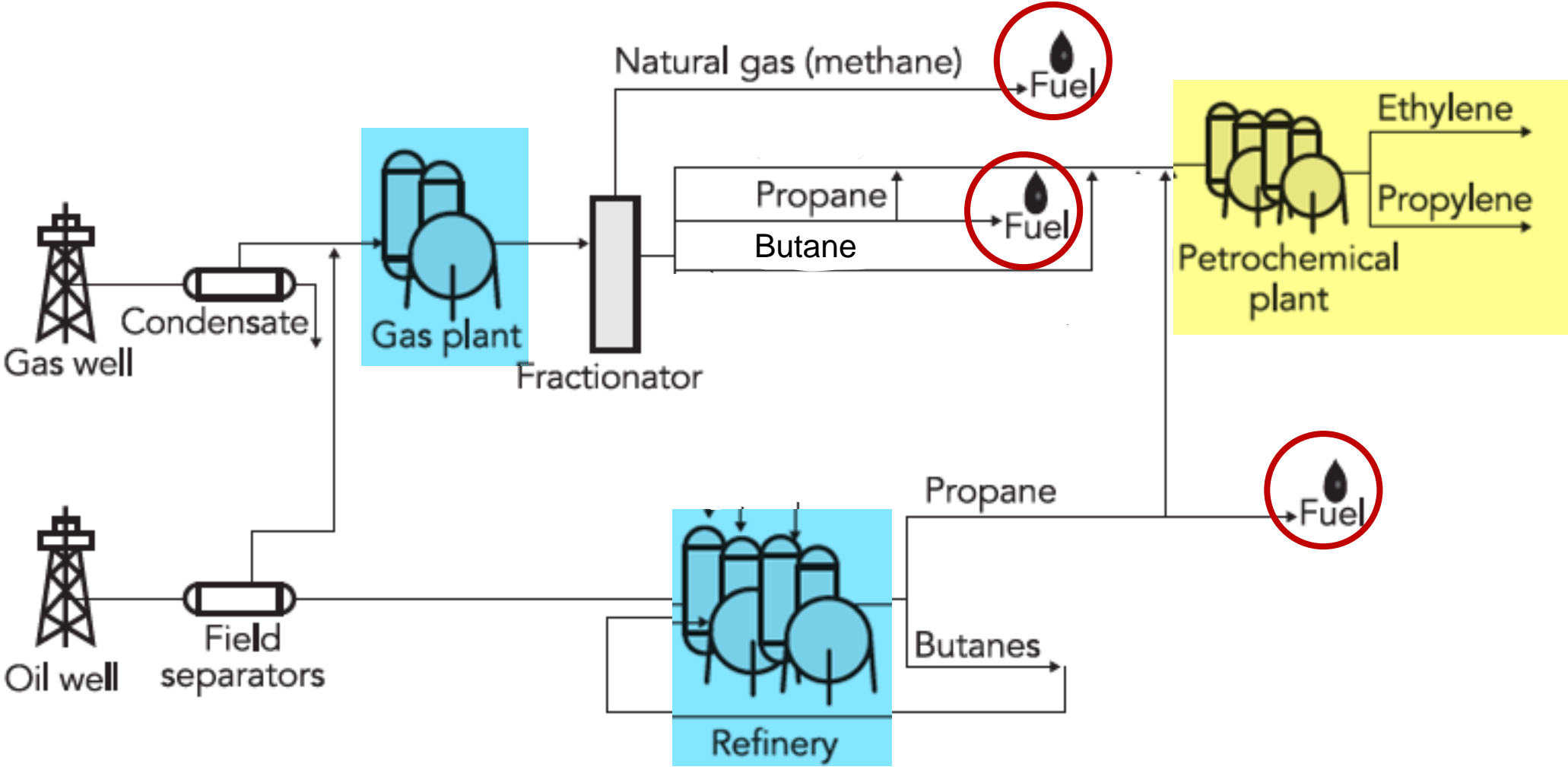


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# Fundamentos del Mercado



# Producción de Gas LP



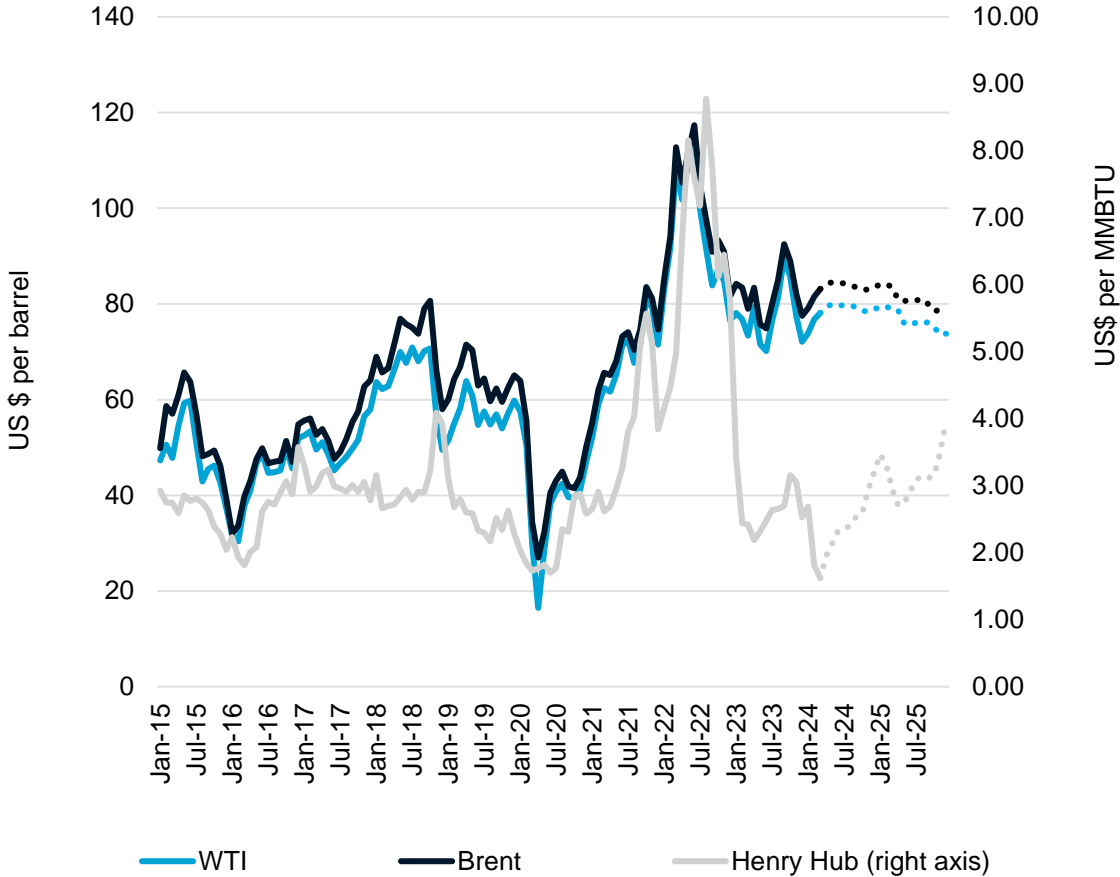
Source: Natural Gas Liquids: A Nontechnical Guide, William Leffler

# El Gas LP es un subproducto.



# Fundamentos del mercado: Petróleo crudo, gas natural, y la economía

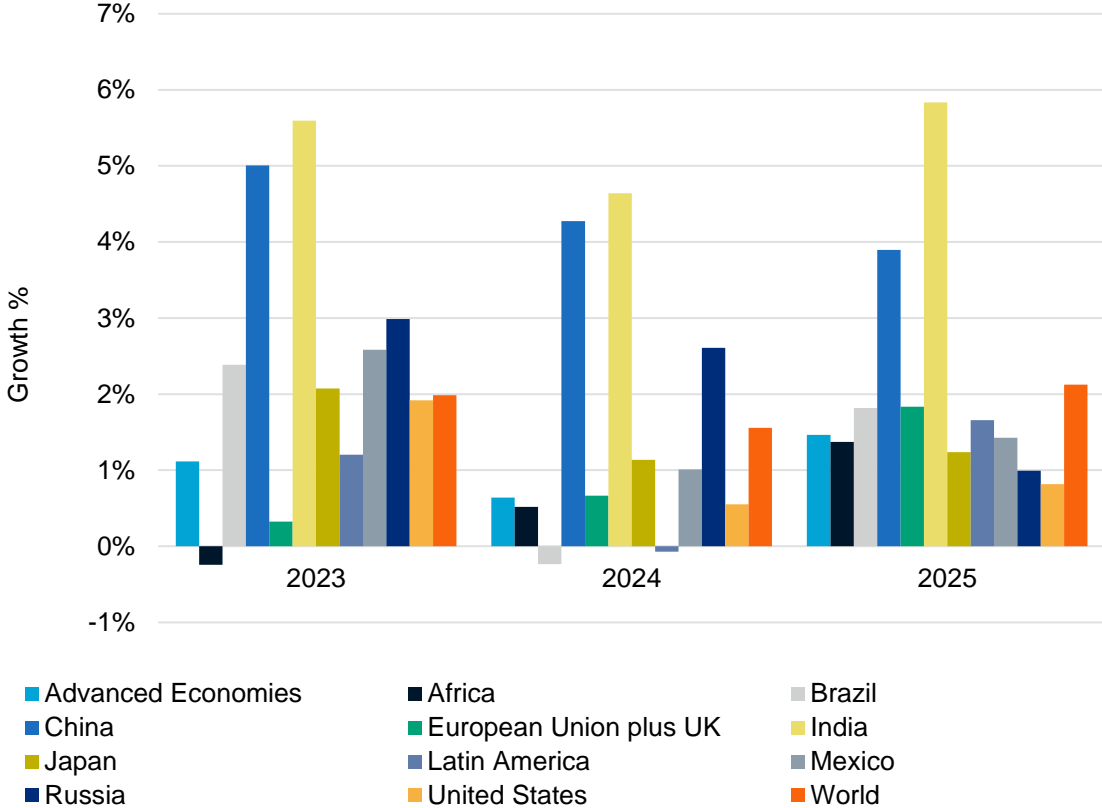
NGL price drivers: crude oil and natural gas



Source: Chemical Market Analytics by OPIS

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GDP per capita growth



Source: Chemical Market Analytics by OPIS, Oxford Economics

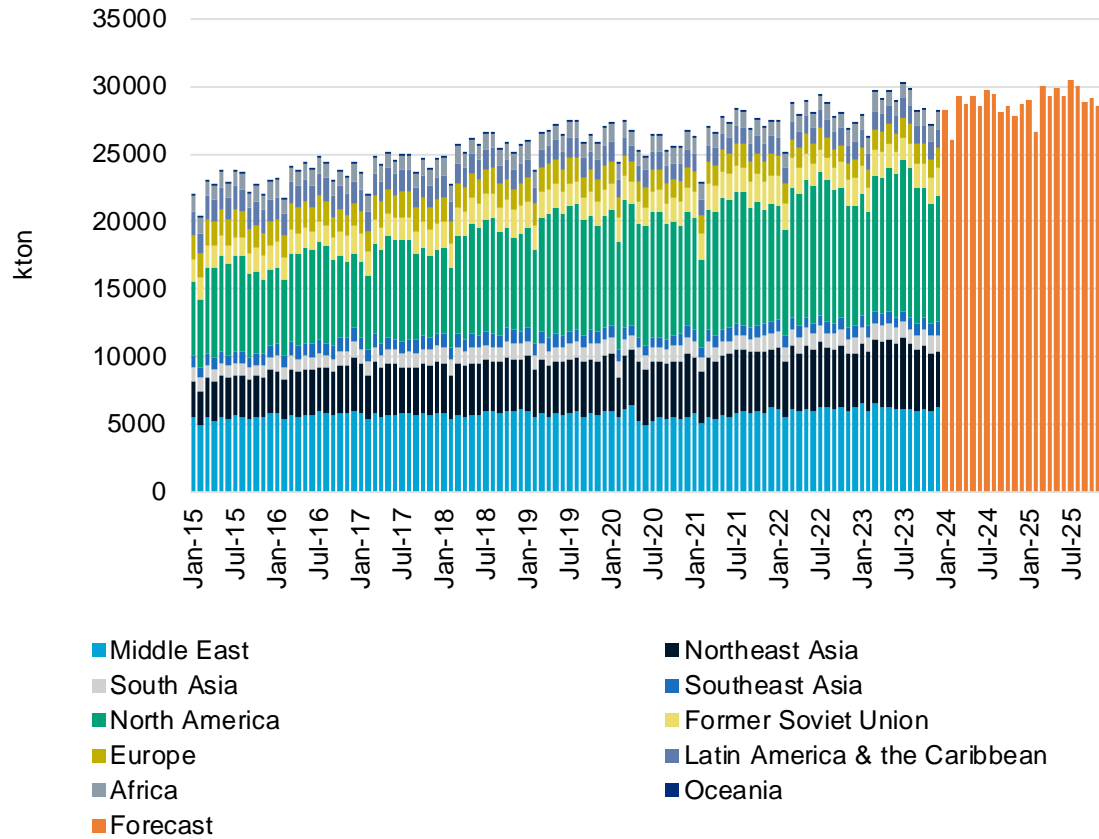
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# Balance Global



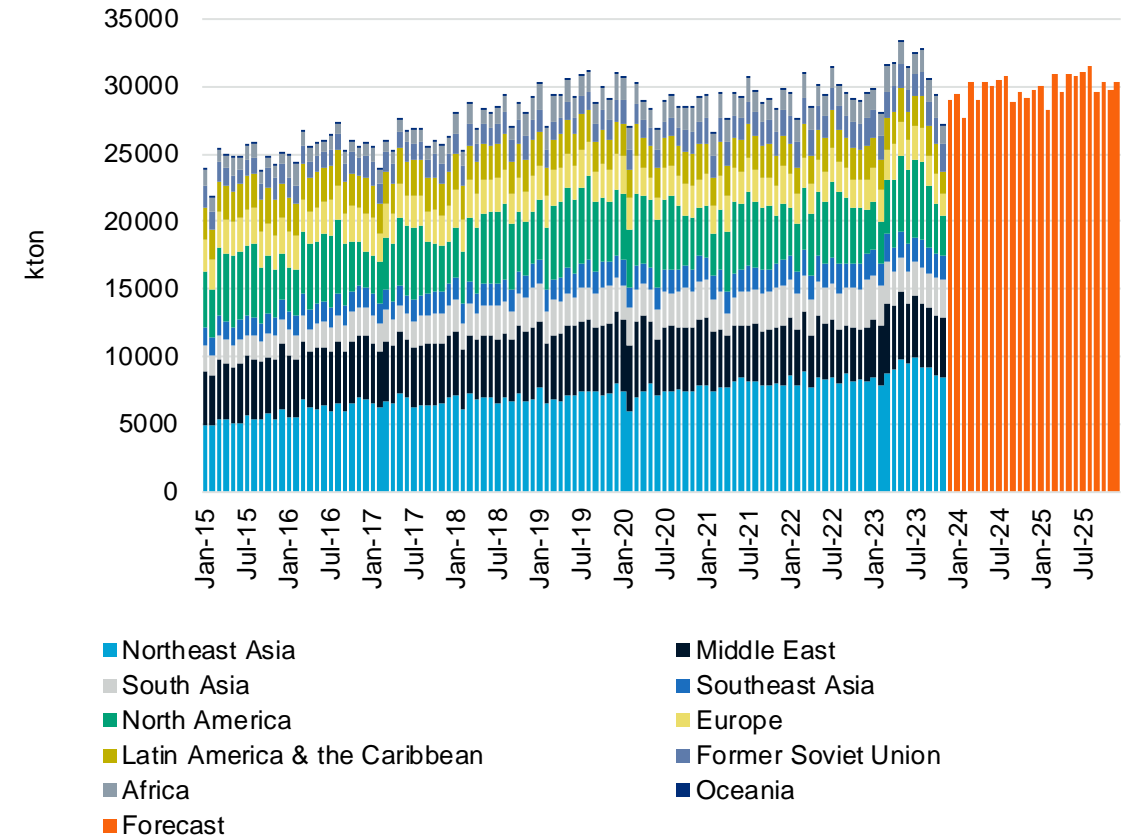
### Global LPG production by region



Source: Chemical Market Analytics by OPIS

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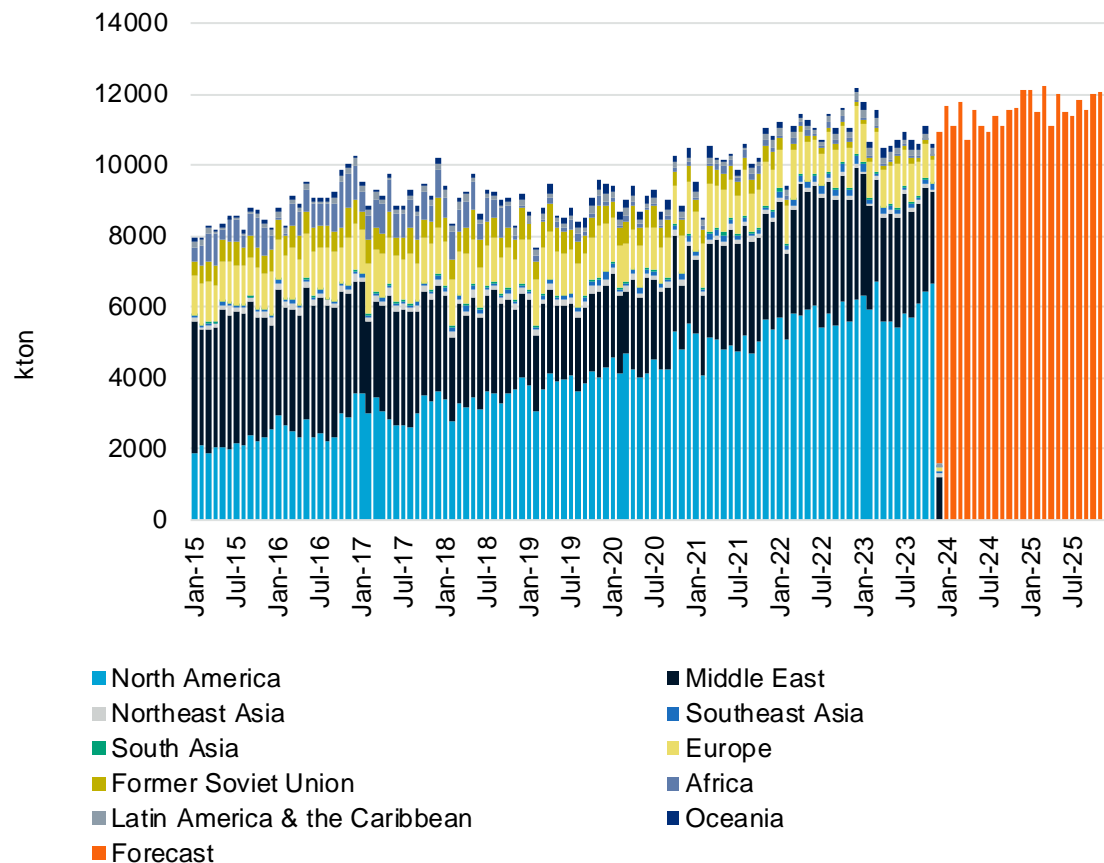
### Global LPG demand by region



Source: Chemical Market Analytics by OPIS, Rystad Energy

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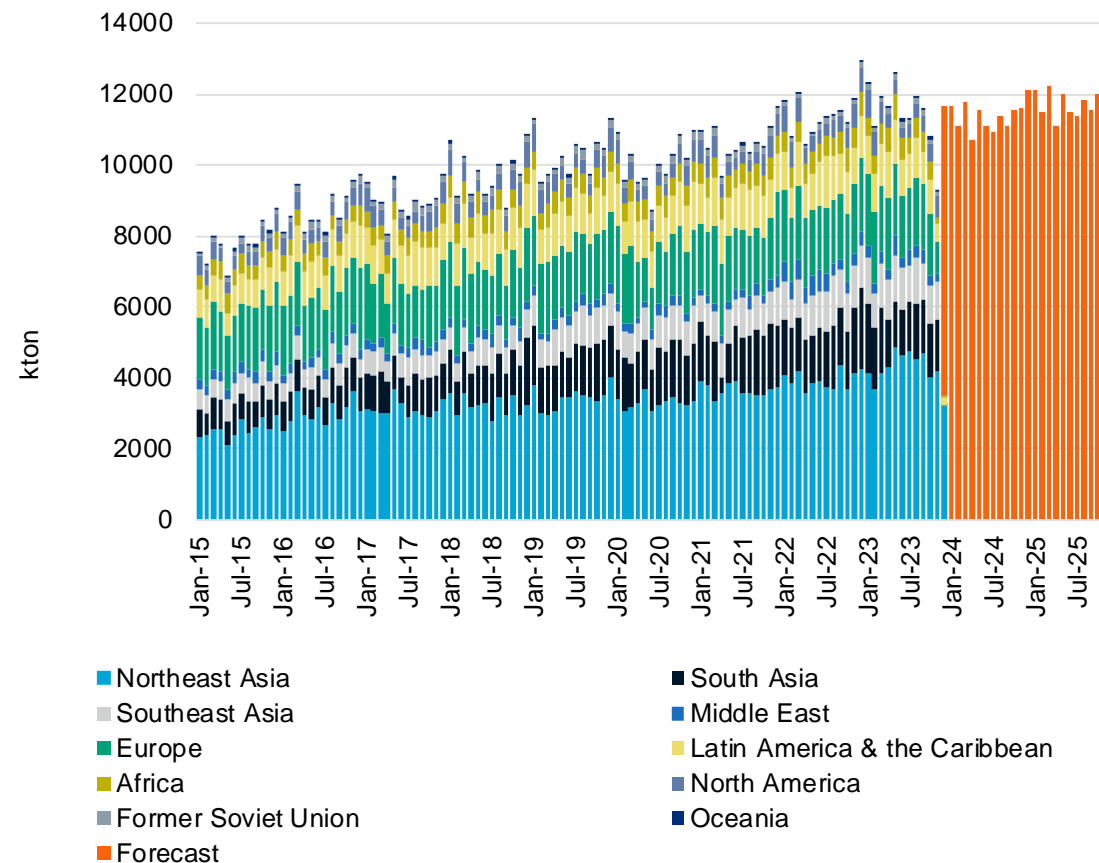
### Global LPG exports by source



Source: Chemical Market Analytics by OPIS, GTT

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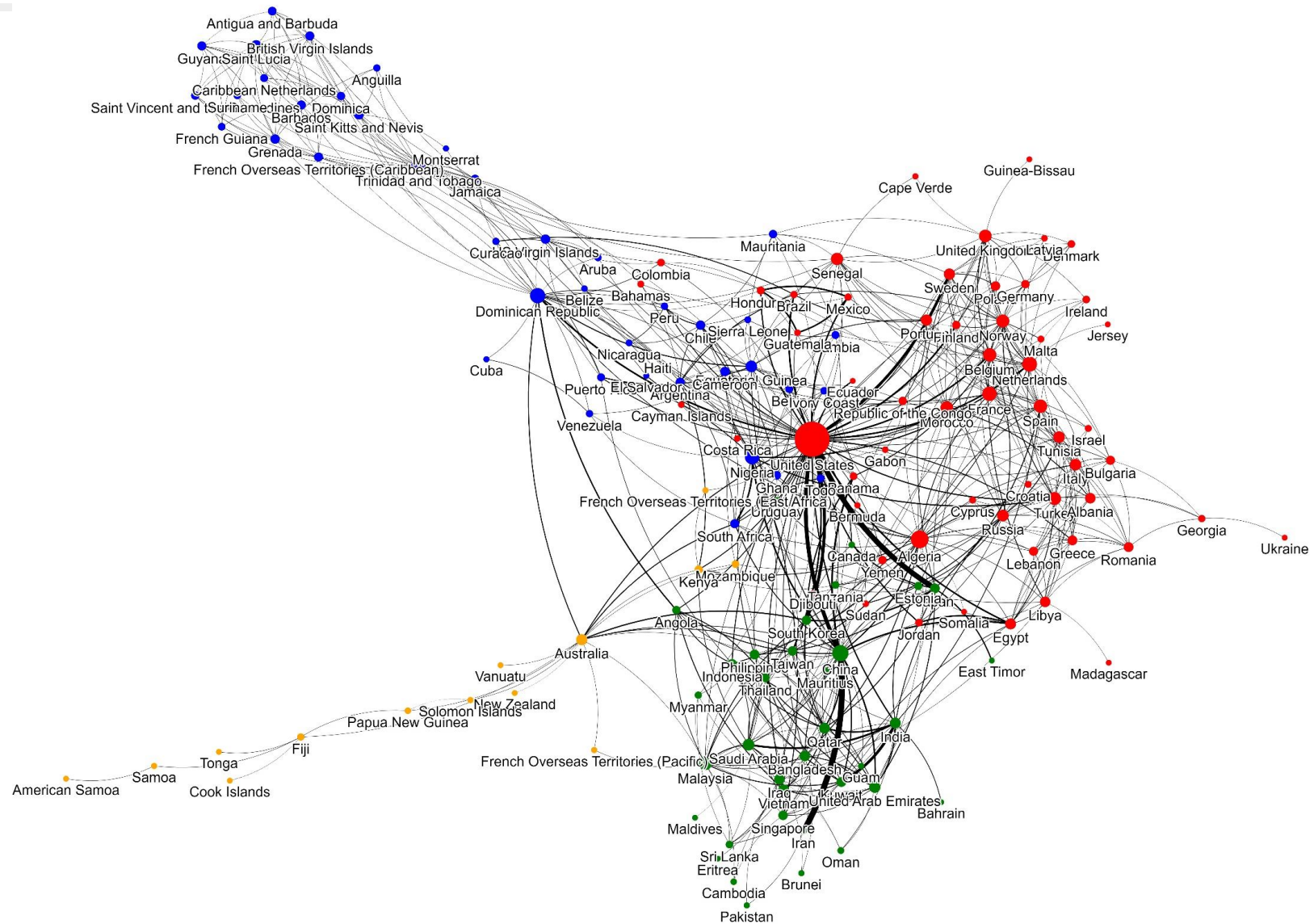
### Global LPG imports by destination



Source: Chemical Market Analytics by OPIS, GTT

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# Comercio Global de Gas LP

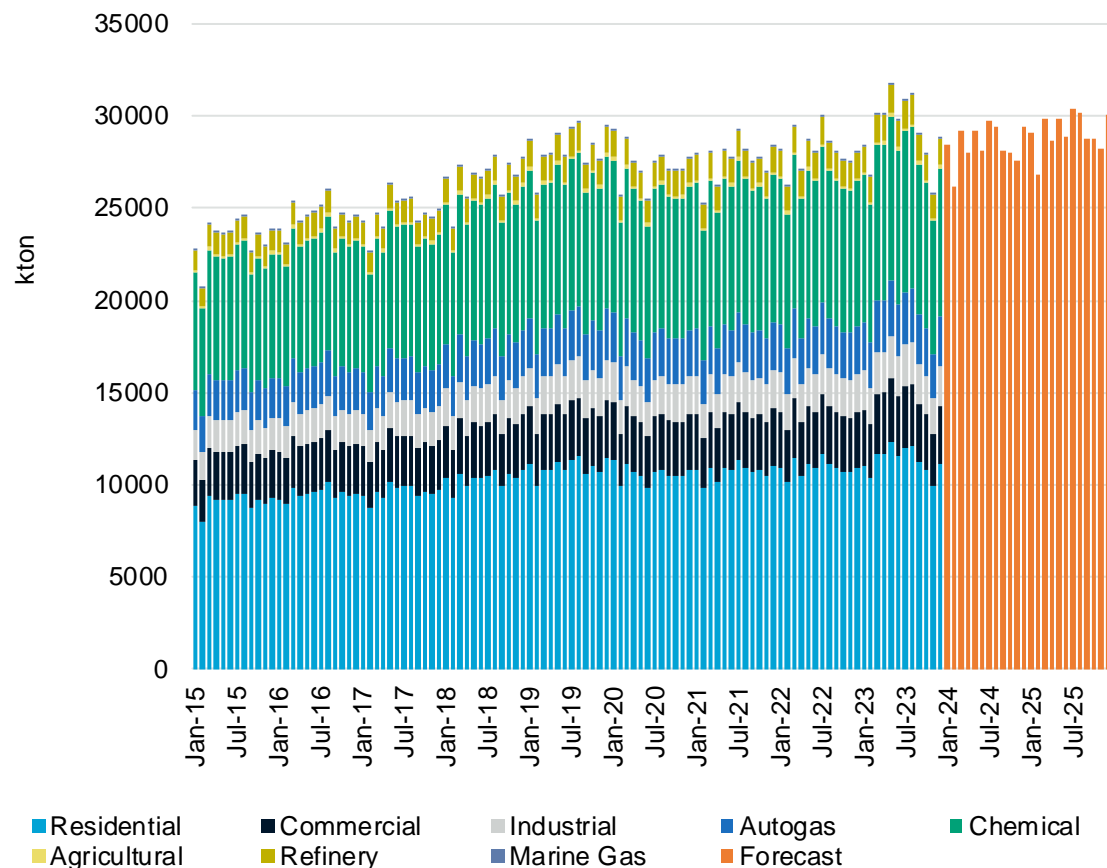


# La demanda petroquímica



# La petroquímica es el Segundo sector mas importante de consume a nivel global

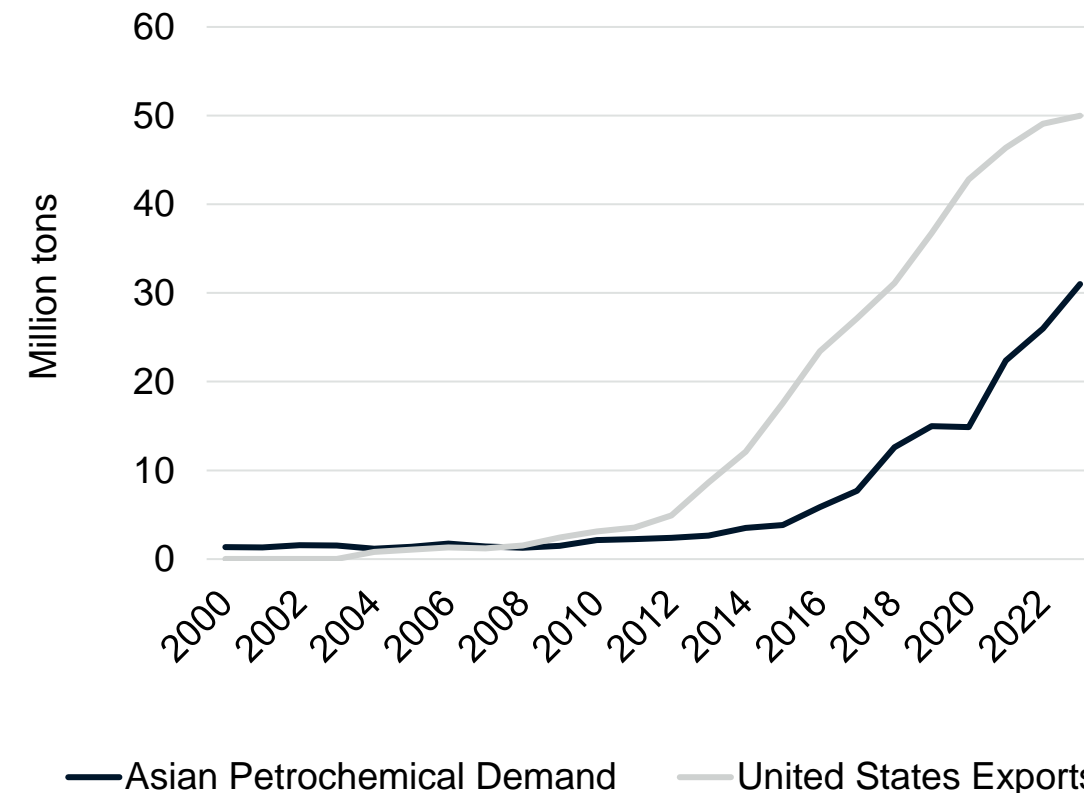
Global LPG demand by sector



Source: Chemical Market Analytics by OPIS

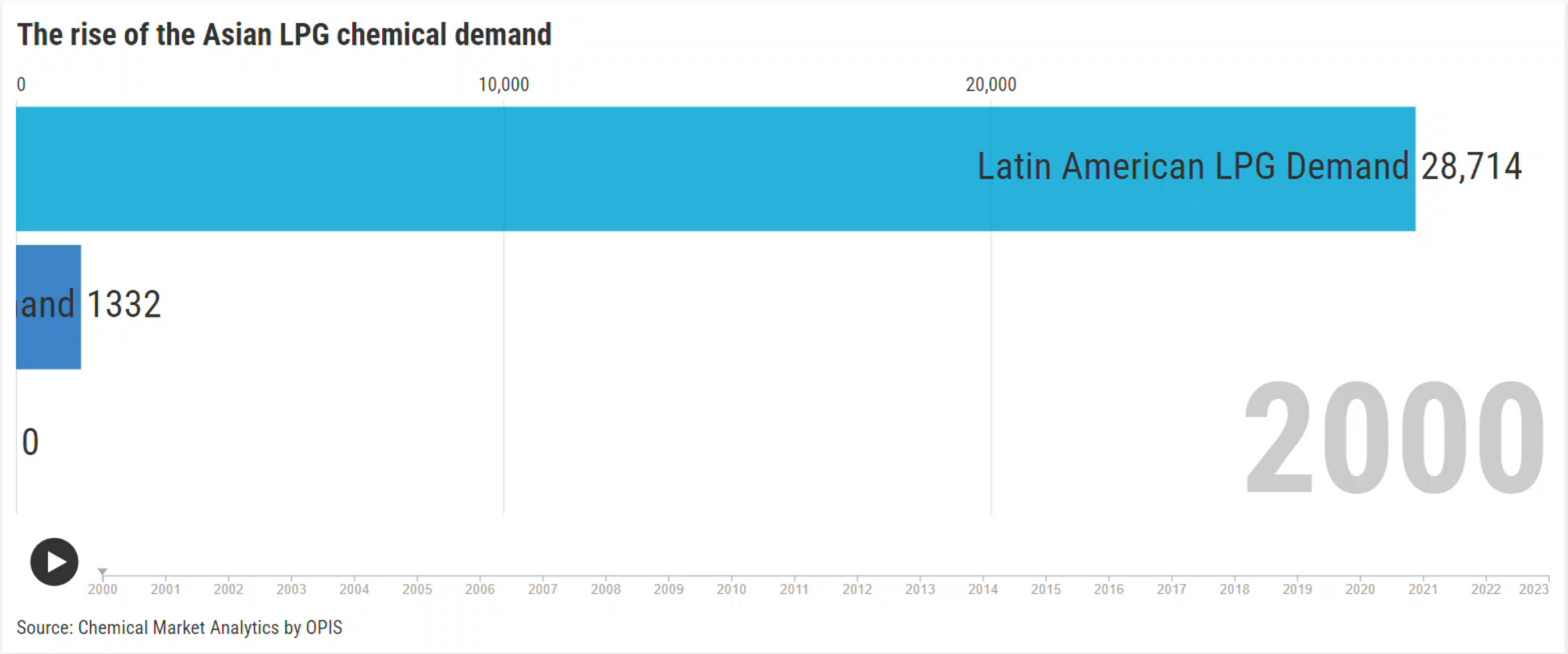
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The rise of the Asian LPG Petrochemical Demand



Source: Chemical Market Analytics by OPIS

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# La pelea por la preponderancia en el mercado.

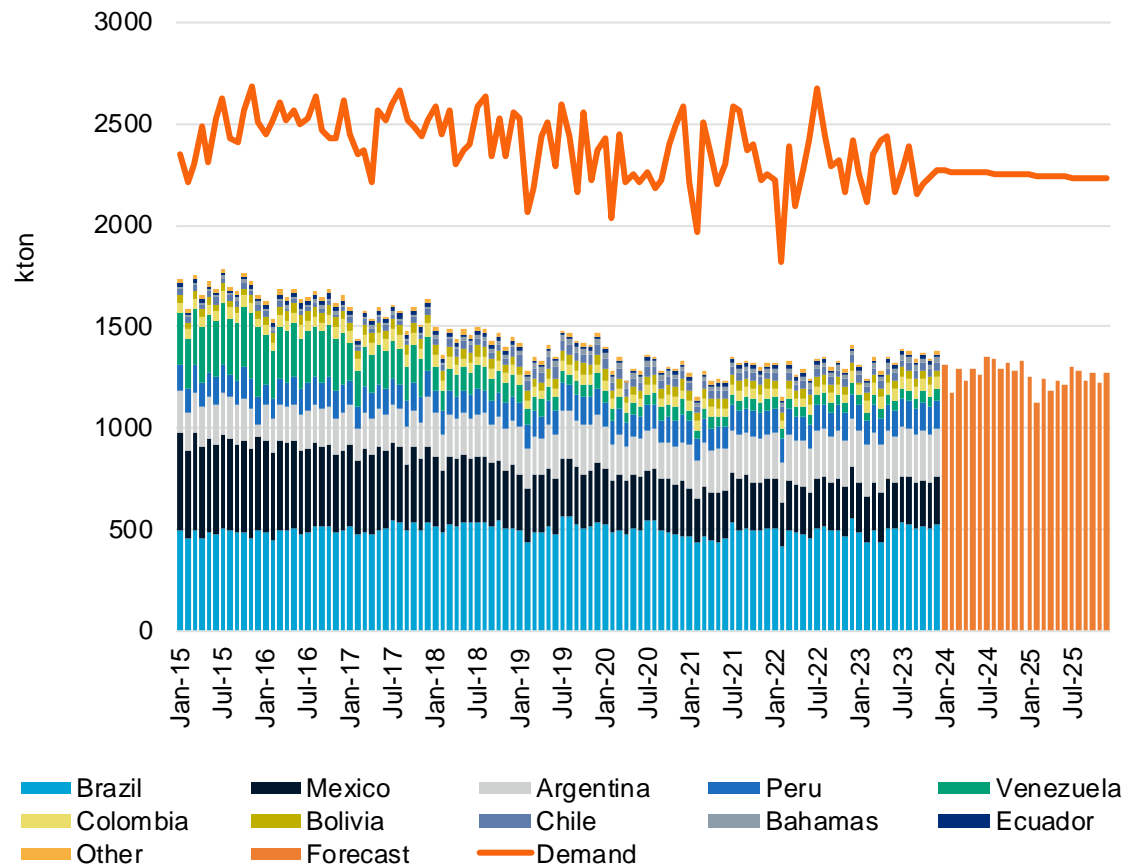




# América Latina



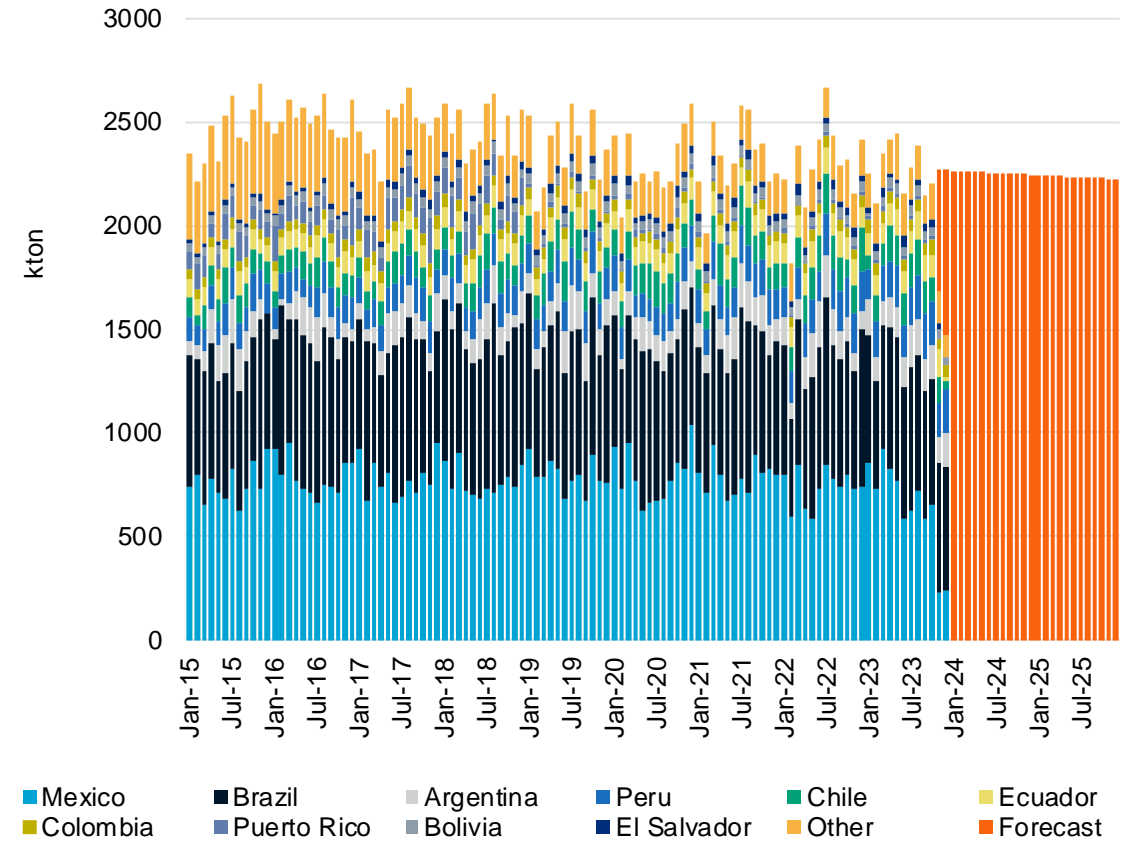
Latin America LPG supply by country



Source: Chemical Market Analytics by OPIS

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Latin America & the Caribbean LPG demand by country

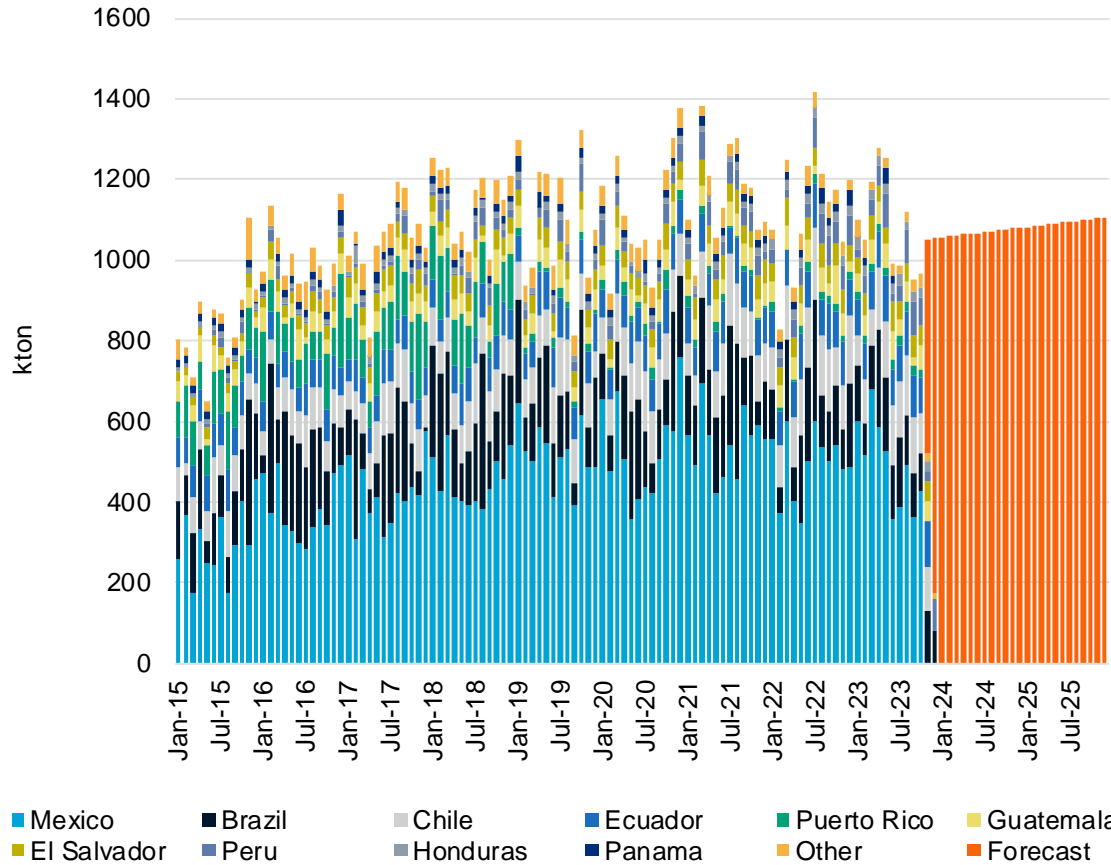


Source: Chemical Market Analytics by OPIS, Rystad Energy

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# América Latina: Importaciones de Gas LP

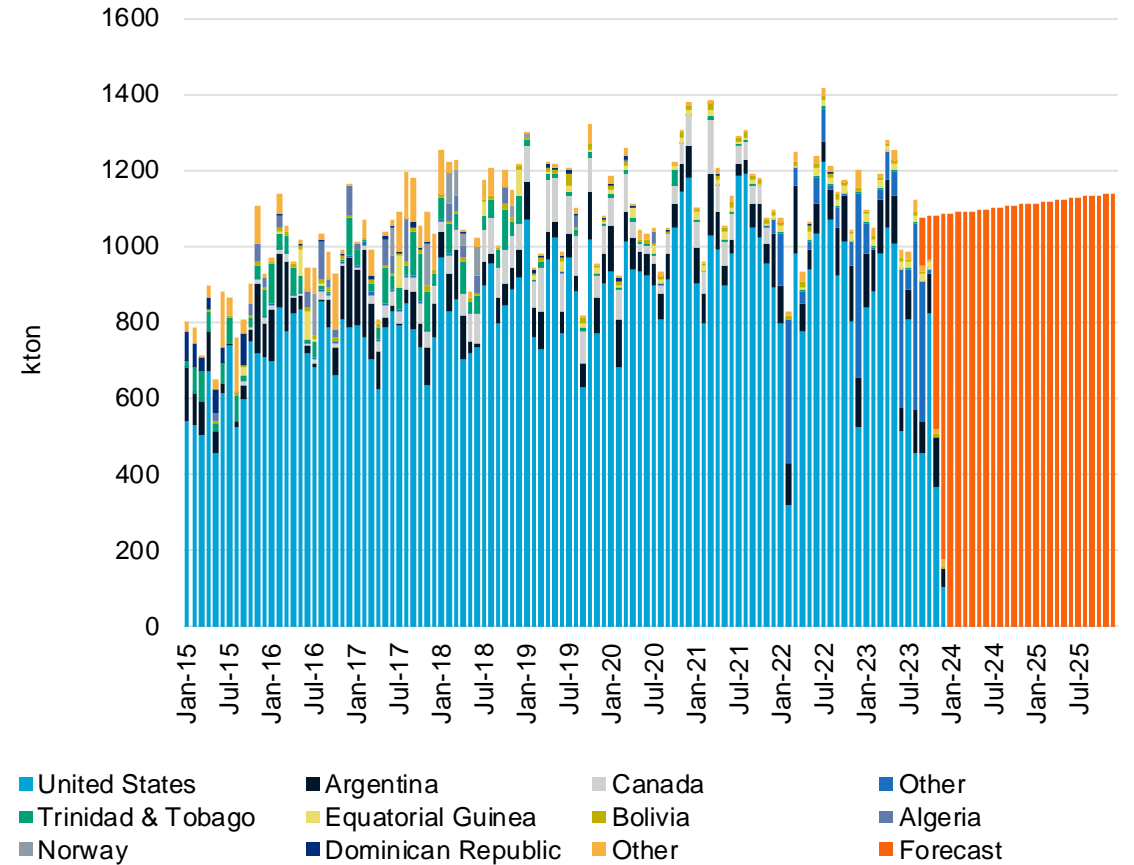
Global LPG imports to Latin America by destination



Source: Chemical Market Analytics by OPIS, GTT

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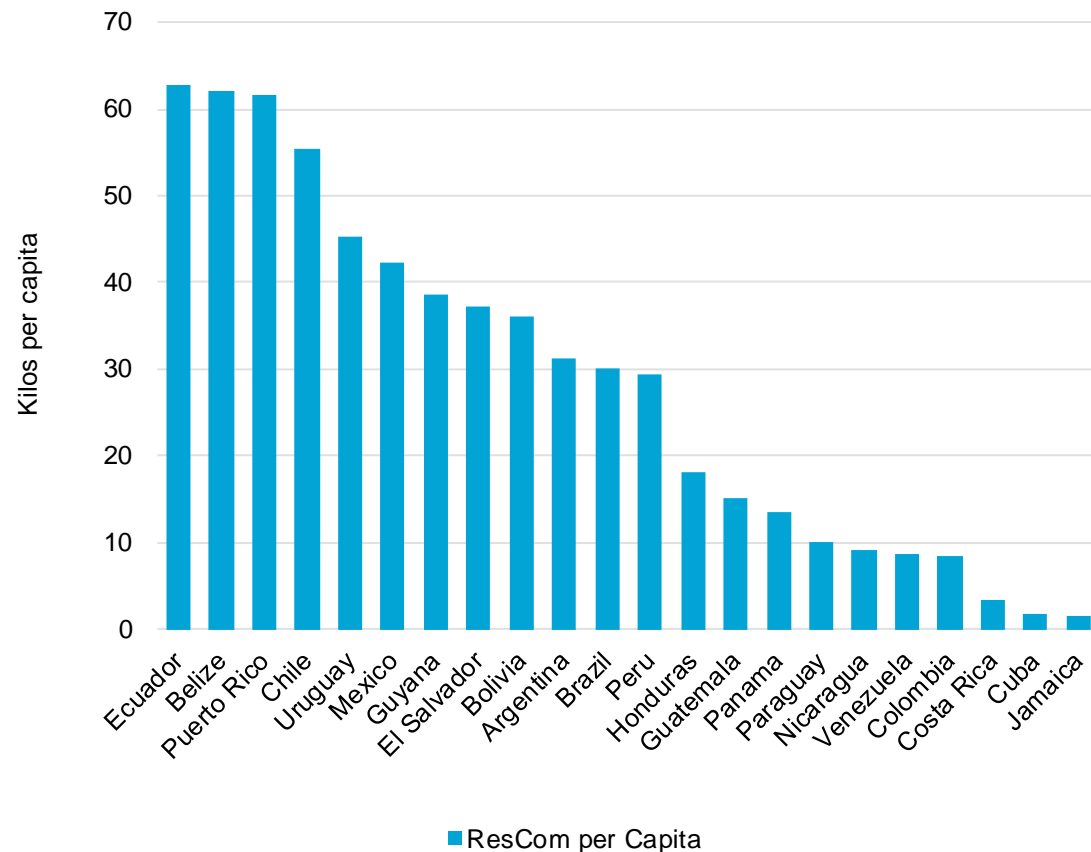
Global LPG imports to Latin America by source



Source: Chemical Market Analytics by OPIS, GTT

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Latin America residential/commercial consumption per capita



Source: Chemical Market Analytics by OPIS

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## Sector pide pista en plan de transición energética de Petro: “Nos preocupa la comunicación”

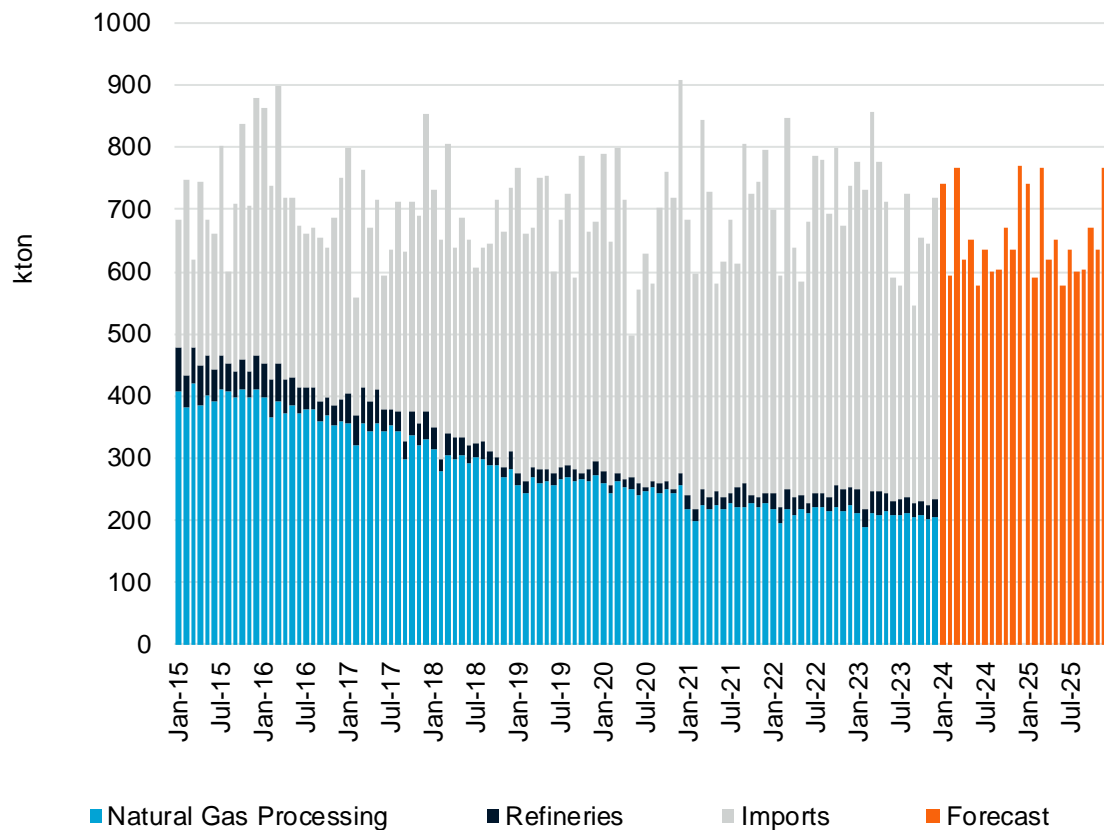
El servicio público de GLP atiende en la actualidad a cerca de 3,4 millones de familias, es decir 12 millones de usuarios. ¿Cómo pueda participar este sector en la transición energética que propone Gustavo Petro?



EMPRESAS Lectura 3:00 min

## Gabriel Boric propone desintegración vertical de empresas de gas LP

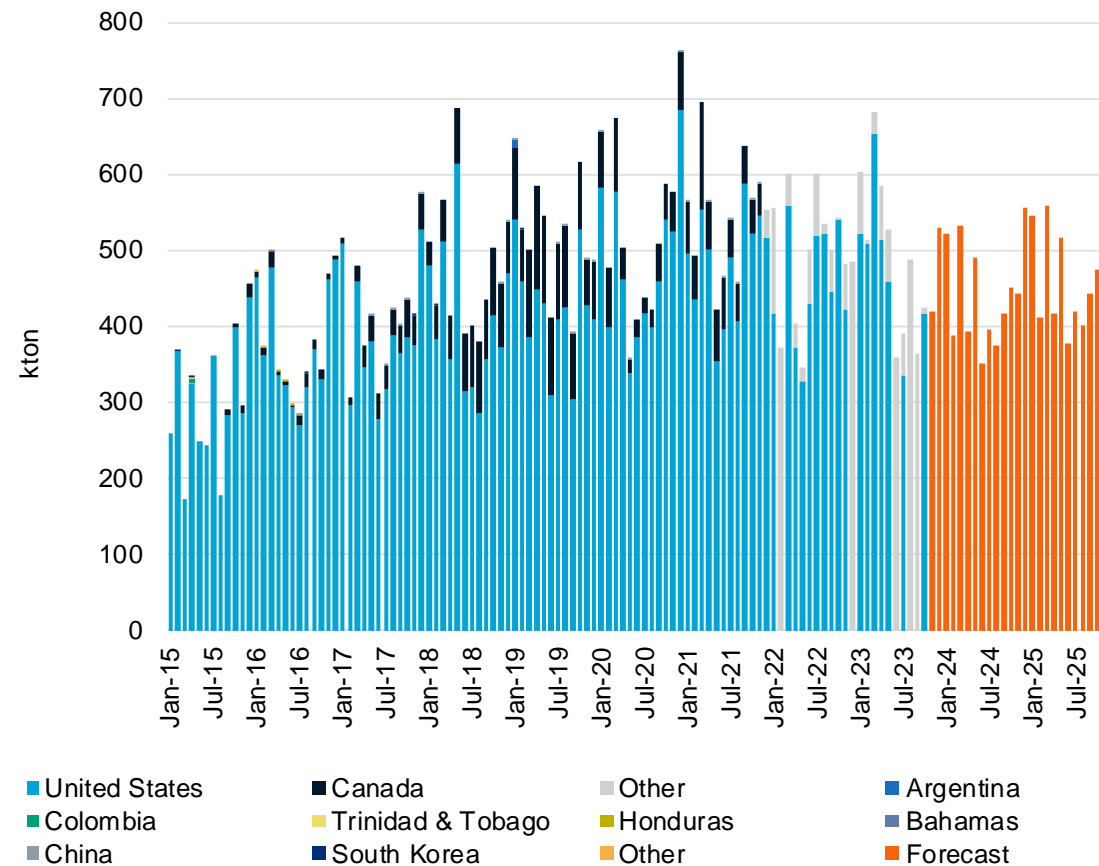
### Mexico LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

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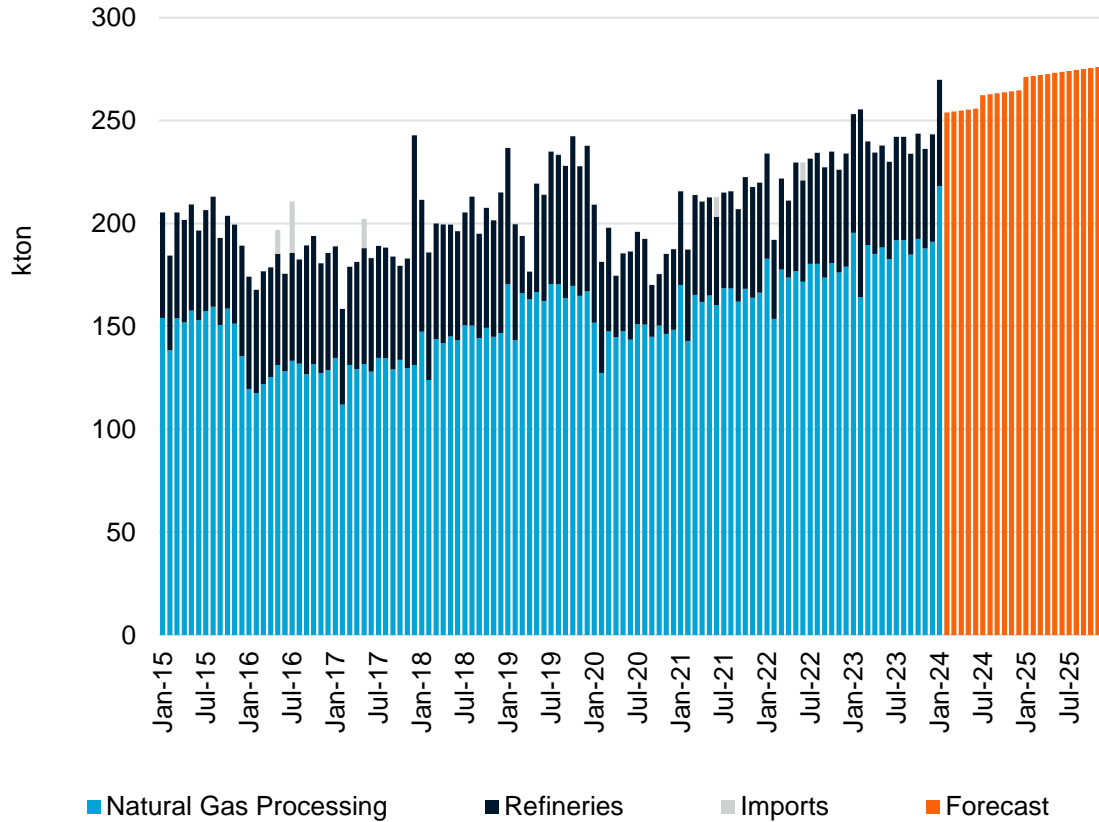
### Global LPG imports to Mexico by source



Source: Chemical Market Analytics by OPIS, GTT

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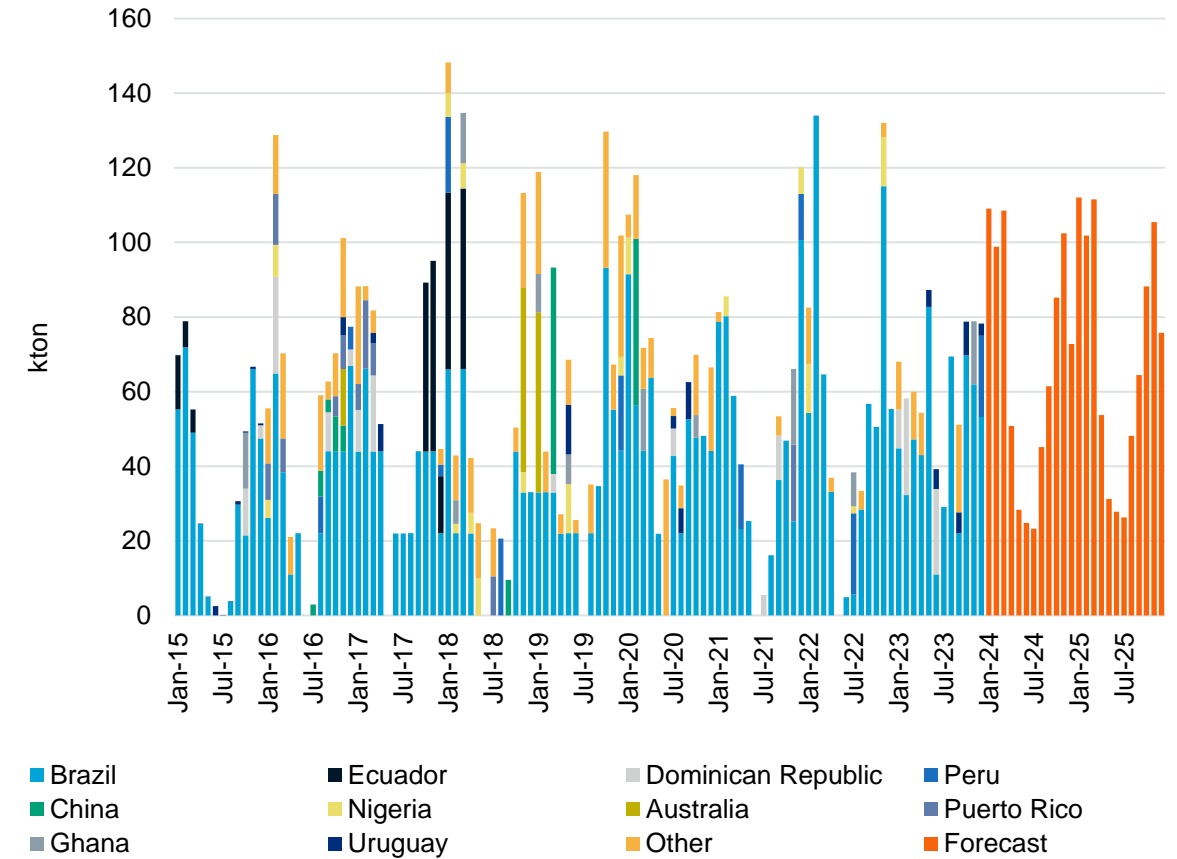
### Argentina LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

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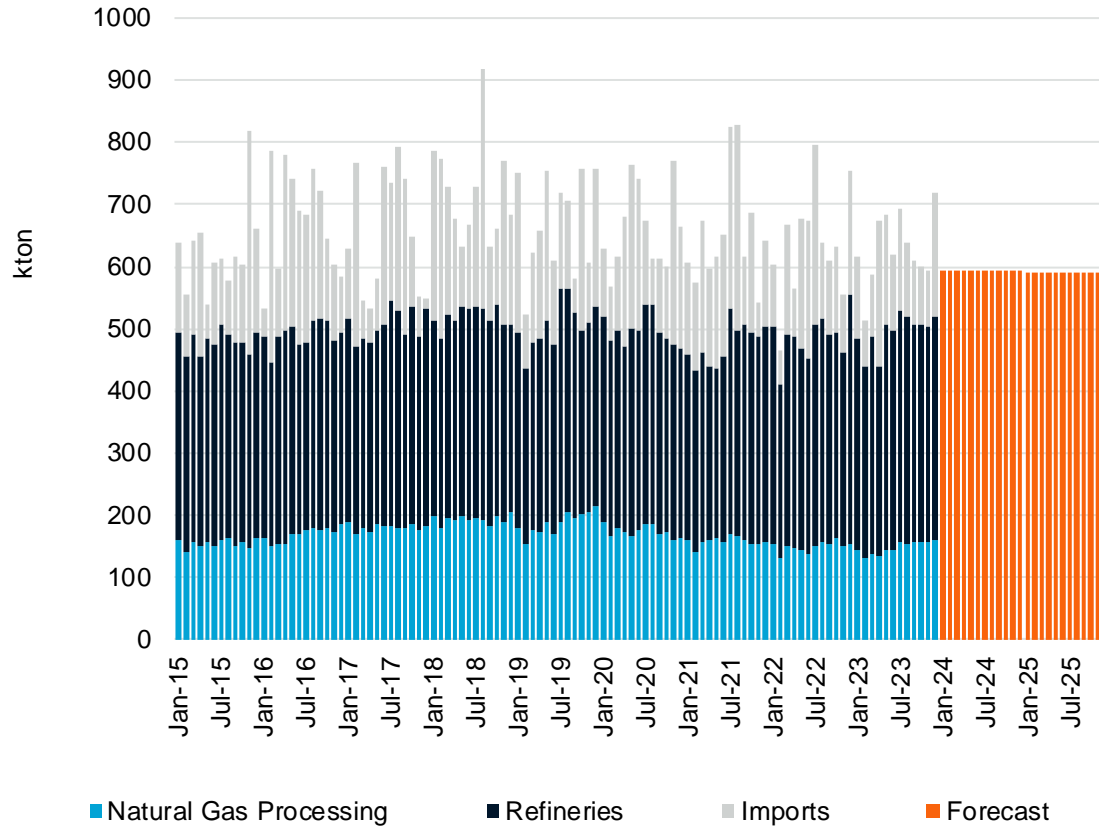
### Global LPG exports from Argentina by destination



Source: Chemical Market Analytics by OPIS, GTT

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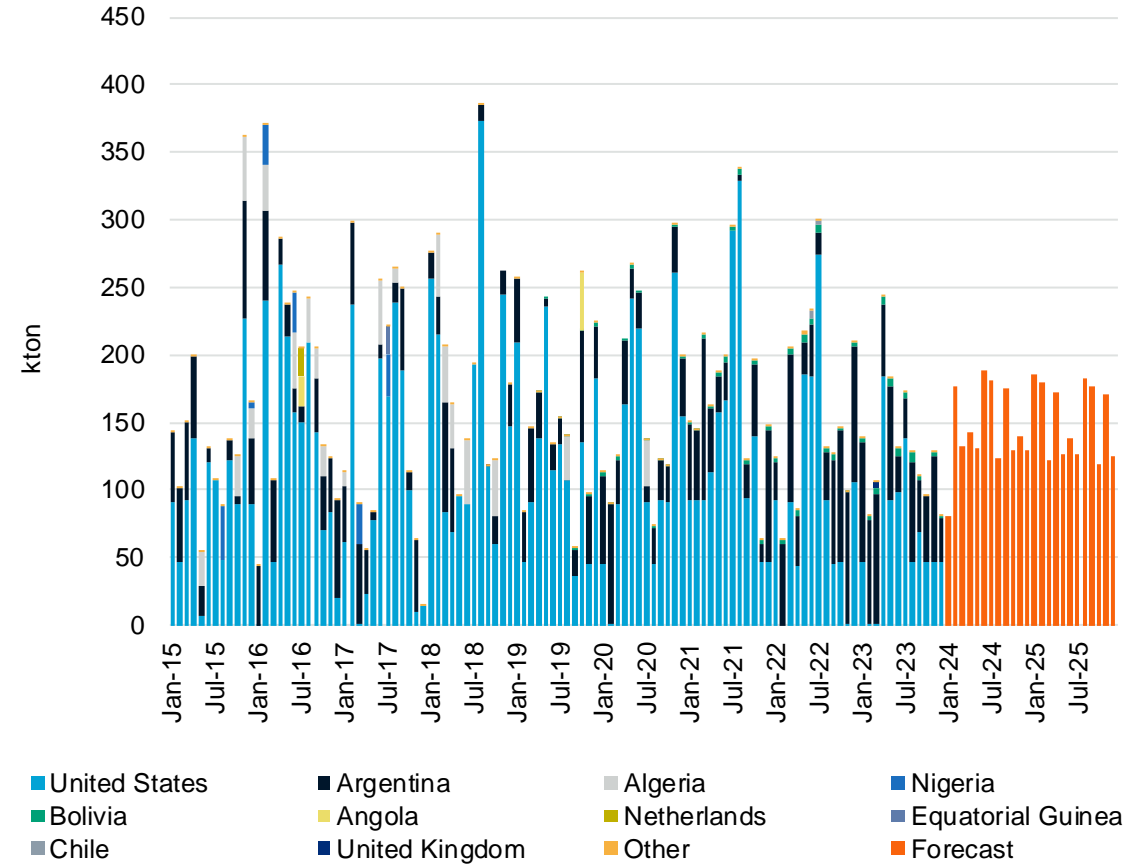
### Brazil LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

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### Global LPG imports to Brazil by source



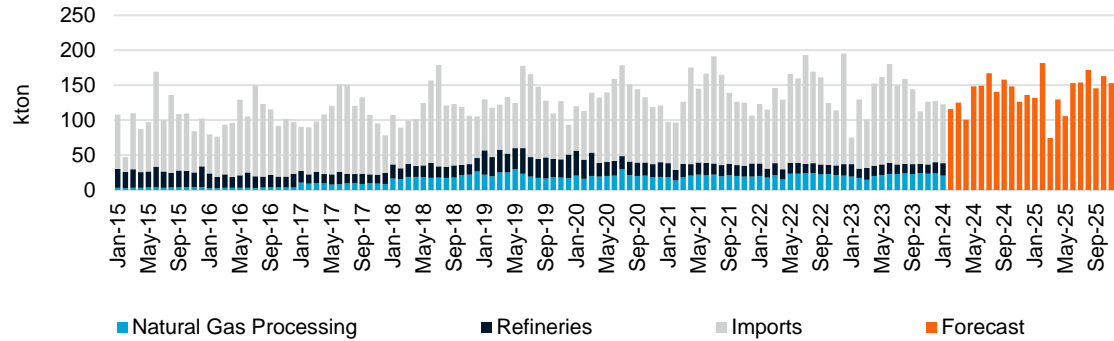
Source: Chemical Market Analytics by OPIS, GTT

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# Chile, Colombia, Ecuador y Perú

## Las importaciones continúan creciendo

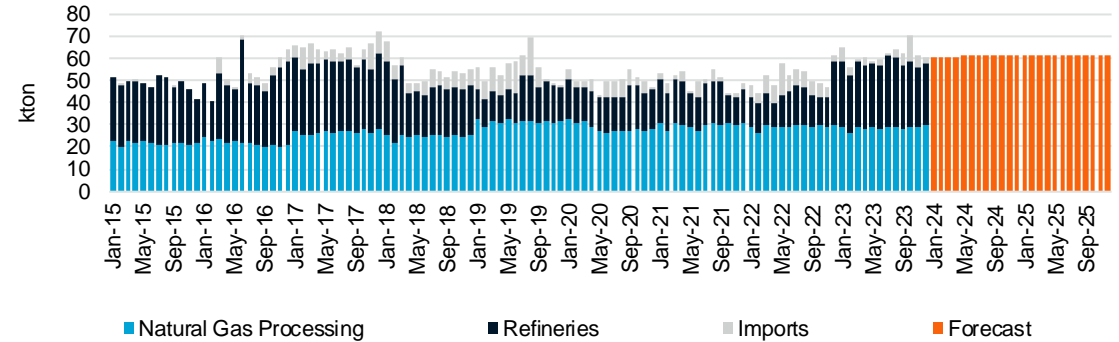
Chile LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

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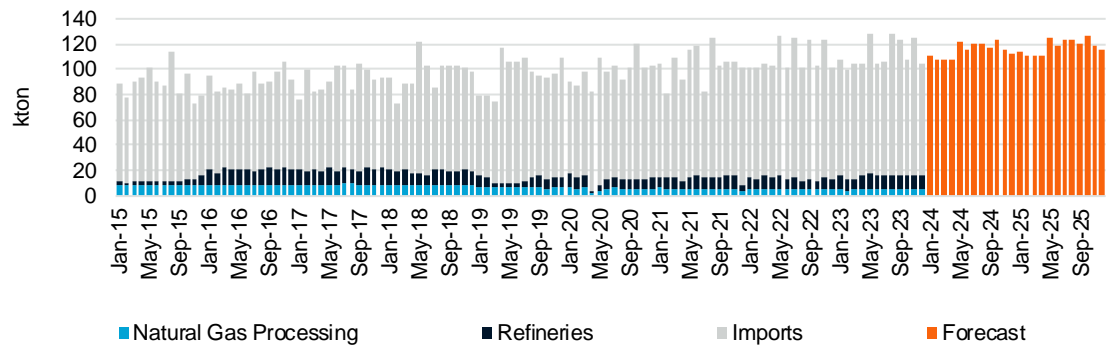
Colombia LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

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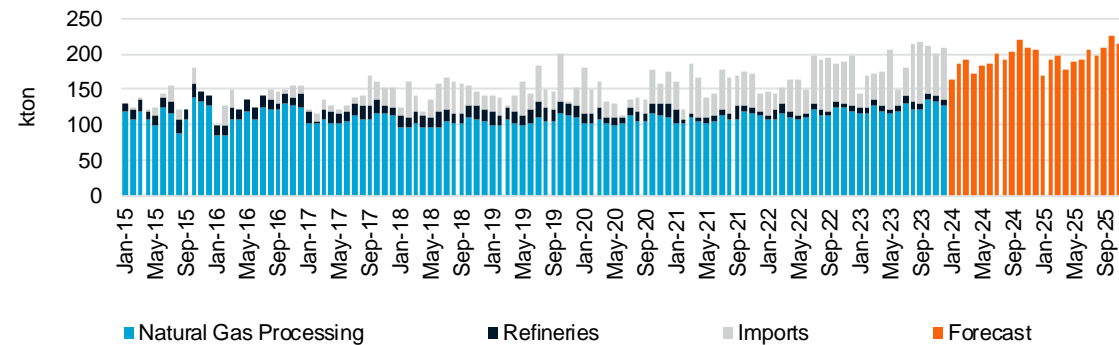
Ecuador LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

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Peru LPG supply by source



Source: Chemical Market Analytics by OPIS, Rystad Energy

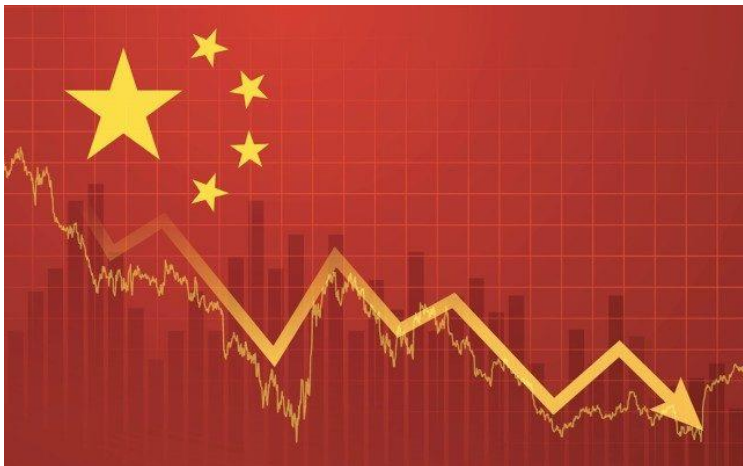
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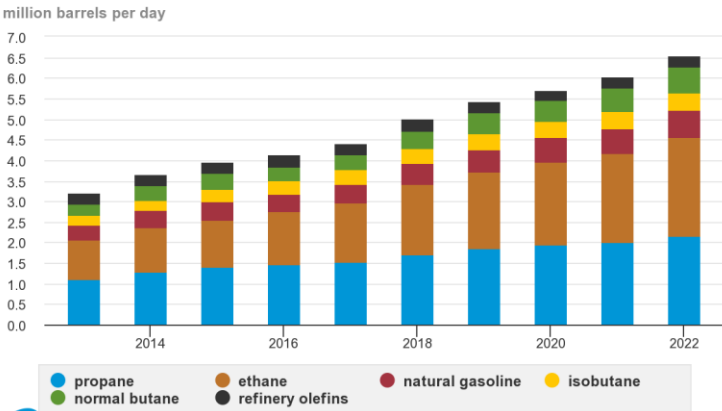
# Pronóstico de Precios



# Que hay detrás del nivel actual de precios

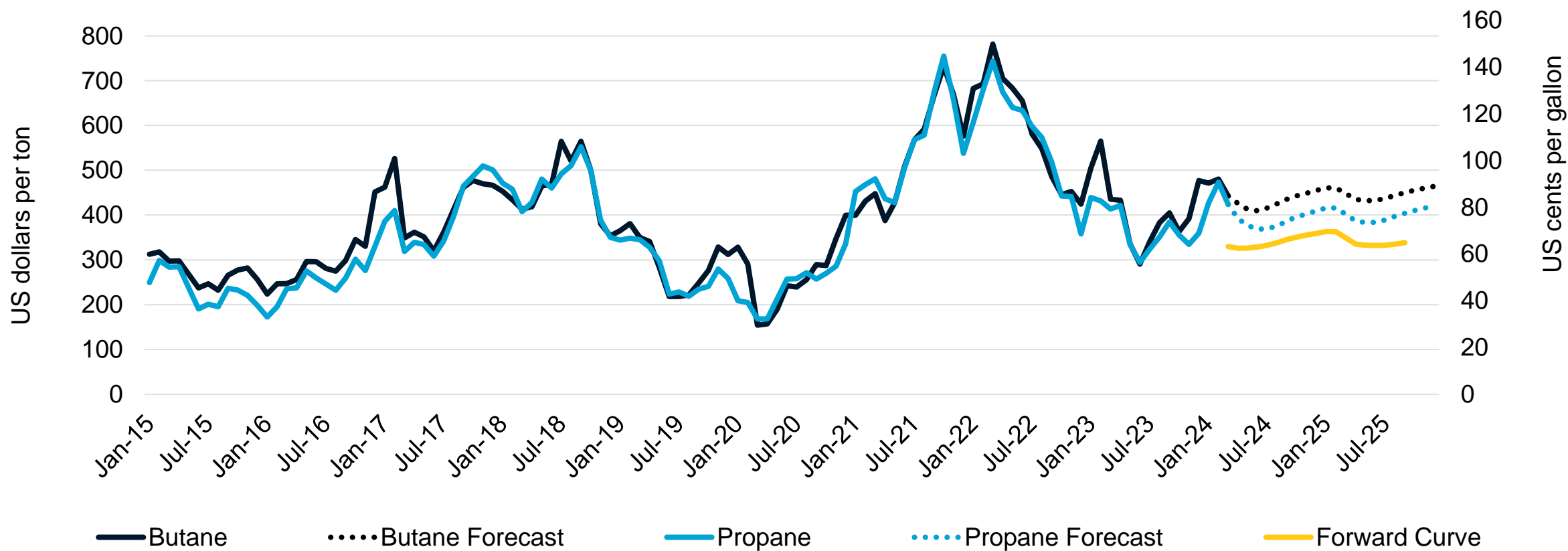


U.S. hydrocarbon gas liquids production by type, 2013-2022



eia Data source: U.S. Energy Information Administration, *Petroleum Supply Annual*, August 2023

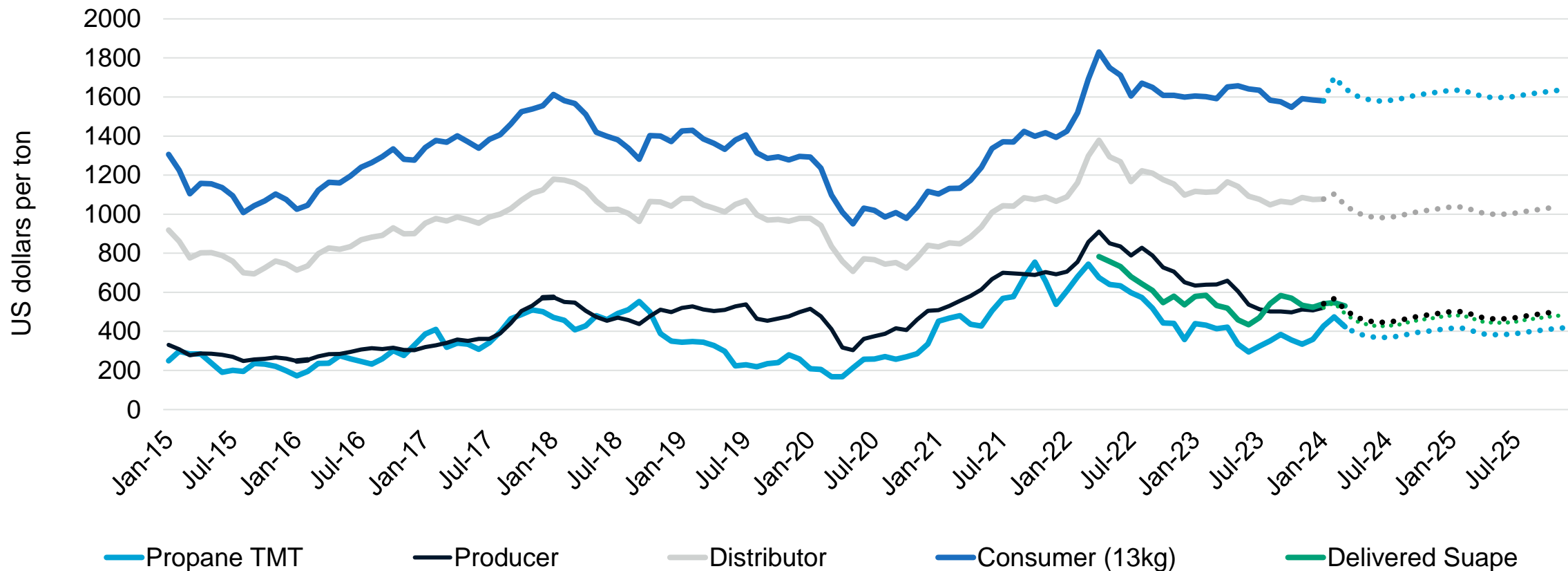
## Mont Belvieu LPG prices with forecast



Source: Chemical Market Analytics by OPIS

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## Brazil LPG prices with forecast



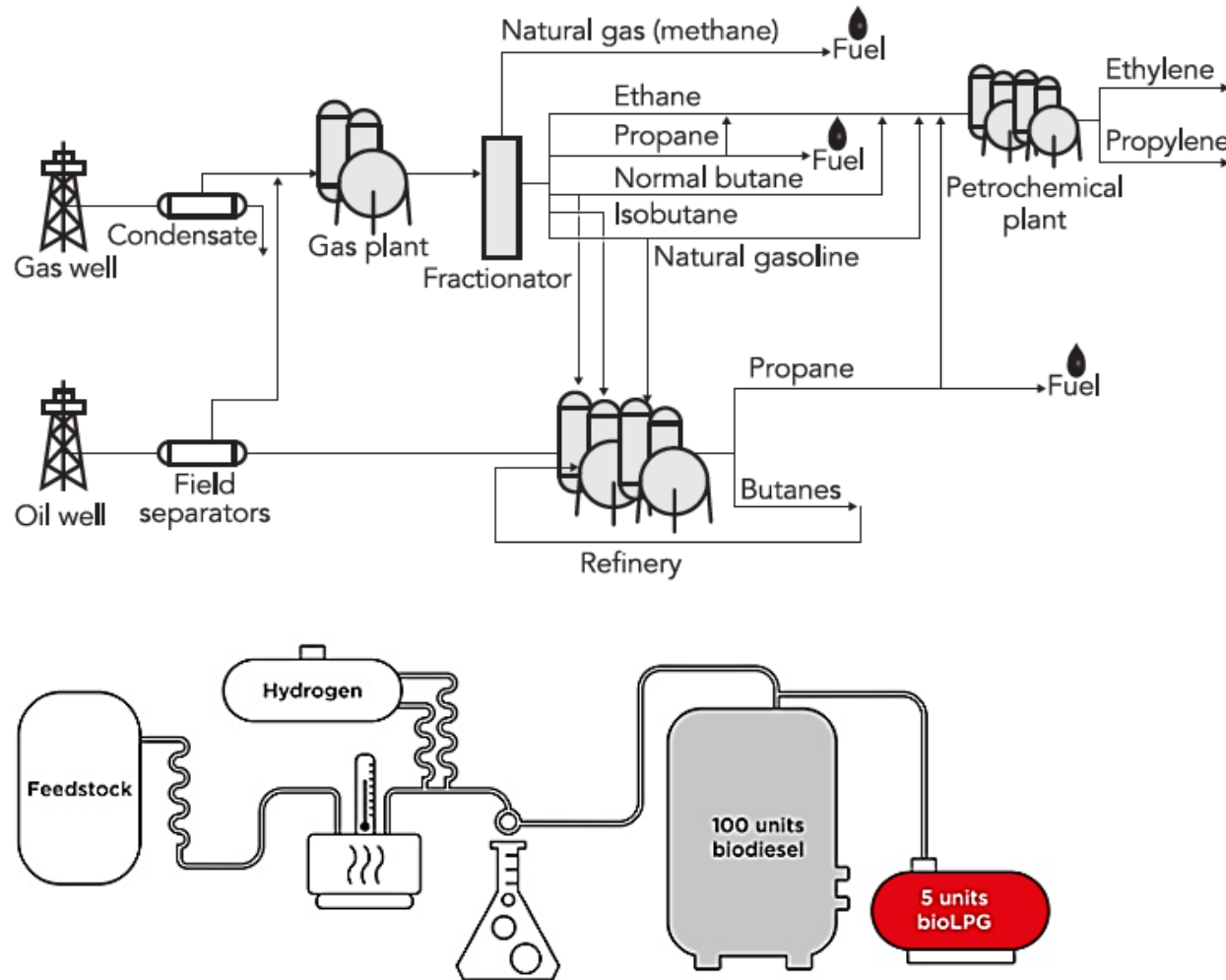
Source: Chemical Market Analytics by OPIS

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# El Gas LP en la transición energética



# Gas LP “on demand”.



## Ultragaz compra primeira carga de bioGLP da Refinaria Riograndense

BioGLP pode ser produzido a partir de óleo vegetal e resíduos agroindustriais e urbanos, resultando em uma versão com menos emissões de carbono do gás de botijão



Gabriela Ruddy — 2 de fevereiro de 2024 - Atualizado em 6 de fevereiro de 2024

Em Biocombustíveis, Empresas, Mercado de gás, Transição energética

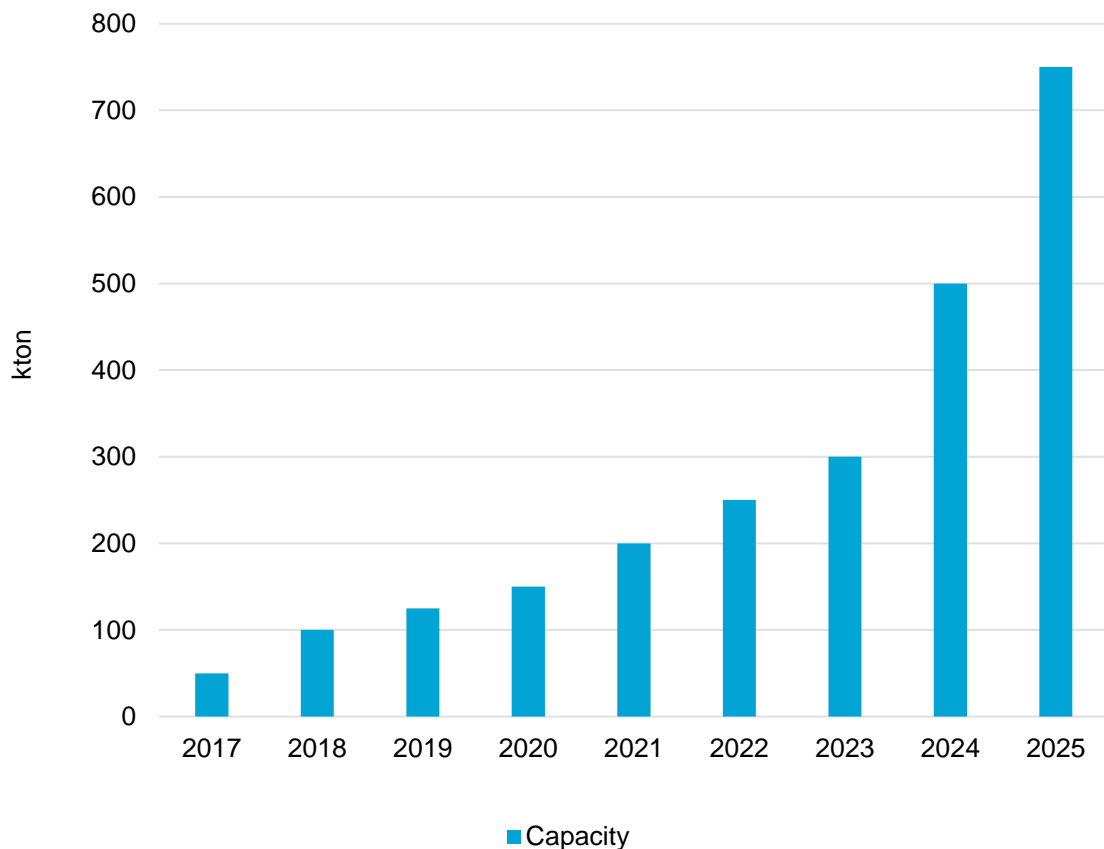
AA



Diretor de Marketing e Experiência do Cliente da Ultragaz, Aurélio Ferreira (Foto: Divulgação)

Source: Natural Gas Liquids: A Nontechnical Guide, William Leffler

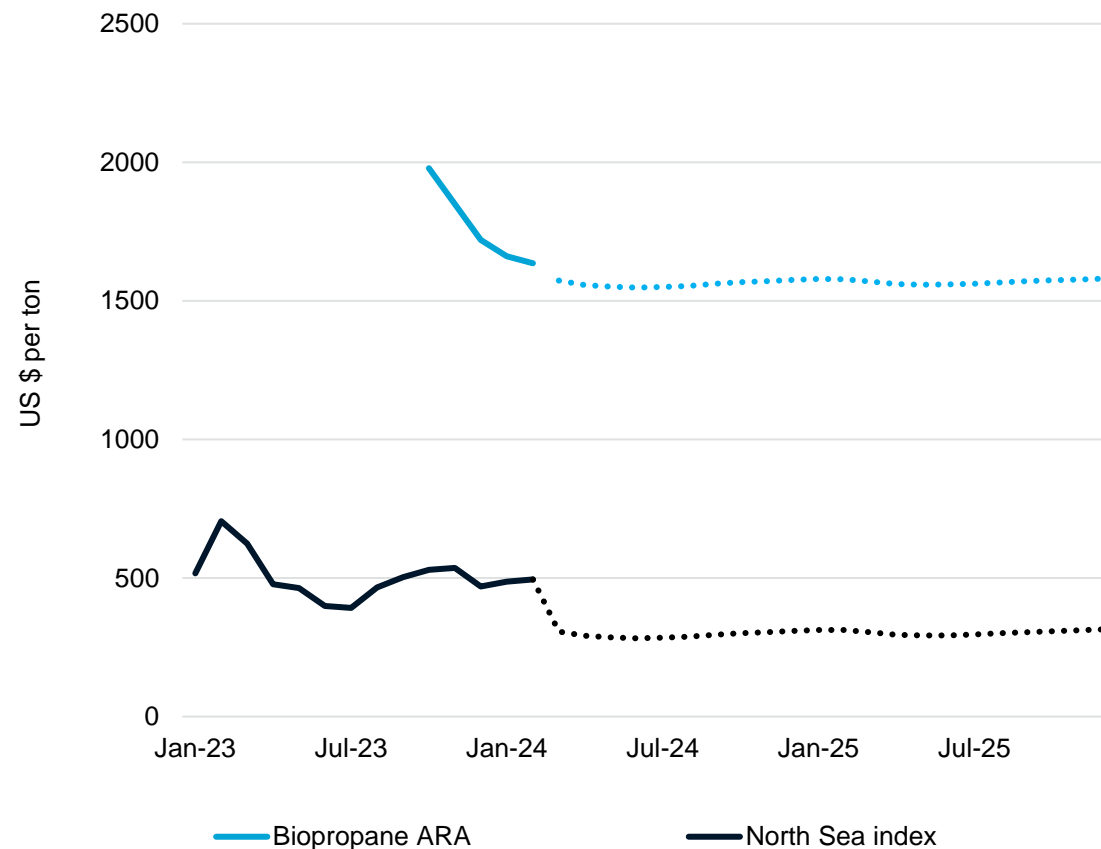
### BioLPG global supply capacity



Source: Chemical Market Analytics by OPIS

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### Biopropane price with forecast



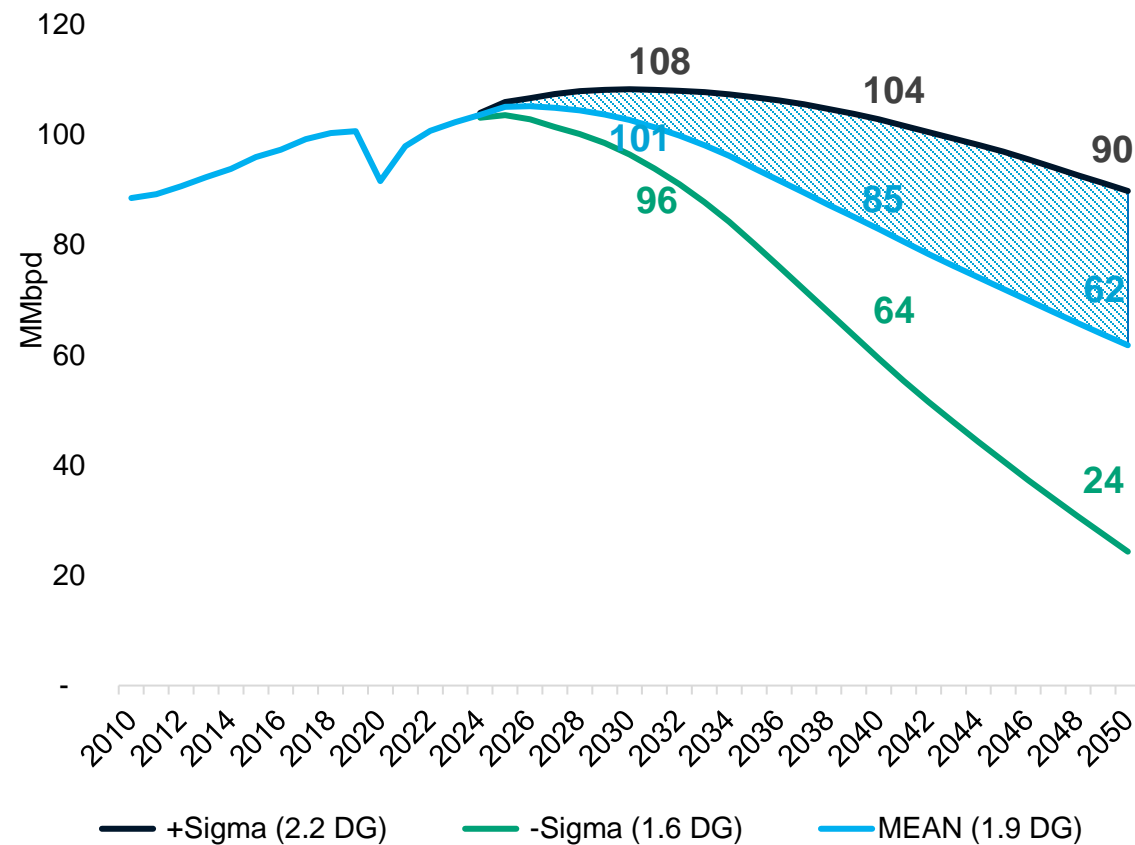
Source: Chemical Market Analytics by OPIS

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Source: bioLPG – SHV Energy

# Tiempos distintos de transición para el crudo y para el crudo y el gas natural.

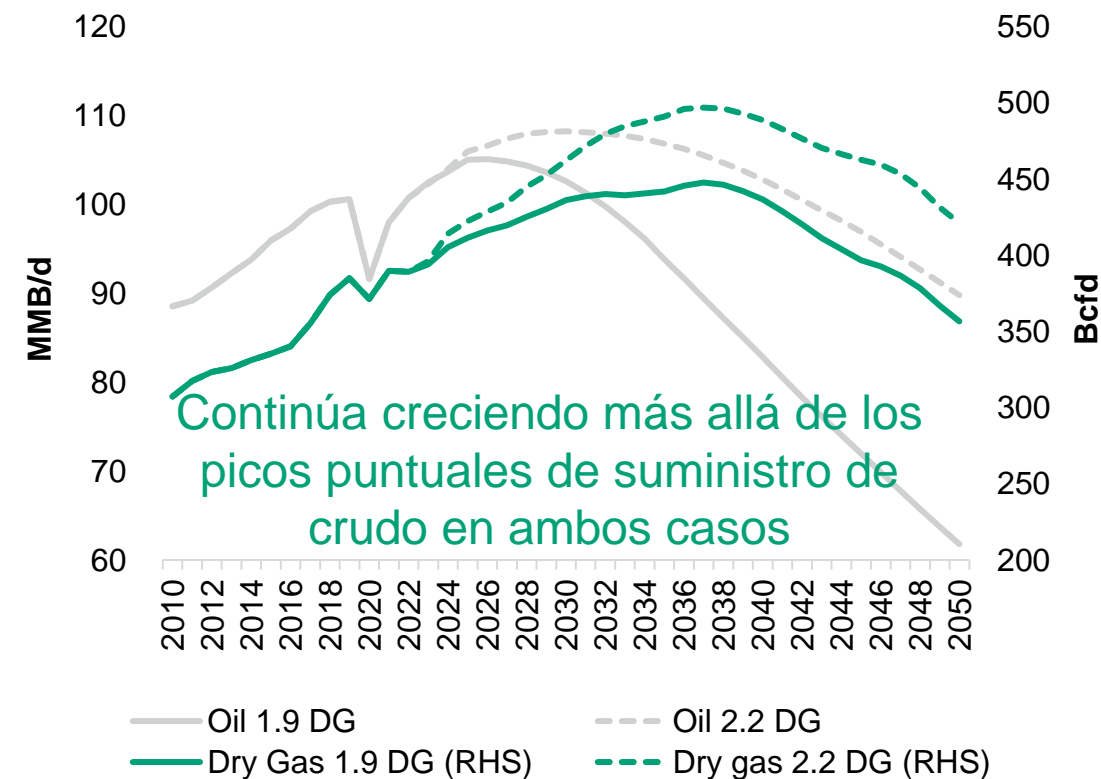
### Global Oil Products (Liquids) Demand



Source: Rystad Energy

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### Global Oil & Gas Production Outlook



Source: Rystad Energy

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## Investigating a link between Liquefied Petroleum Gas (LPG) Pricing and Deforestation in Africa A Harvard University Capstone Project

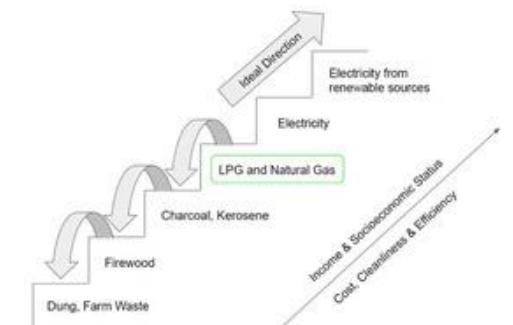
E. Adrian Calcaneo<sup>1</sup>, Brendan Doner<sup>1</sup>, and Stephen Knapp<sup>1</sup>

<sup>1</sup>Harvard University

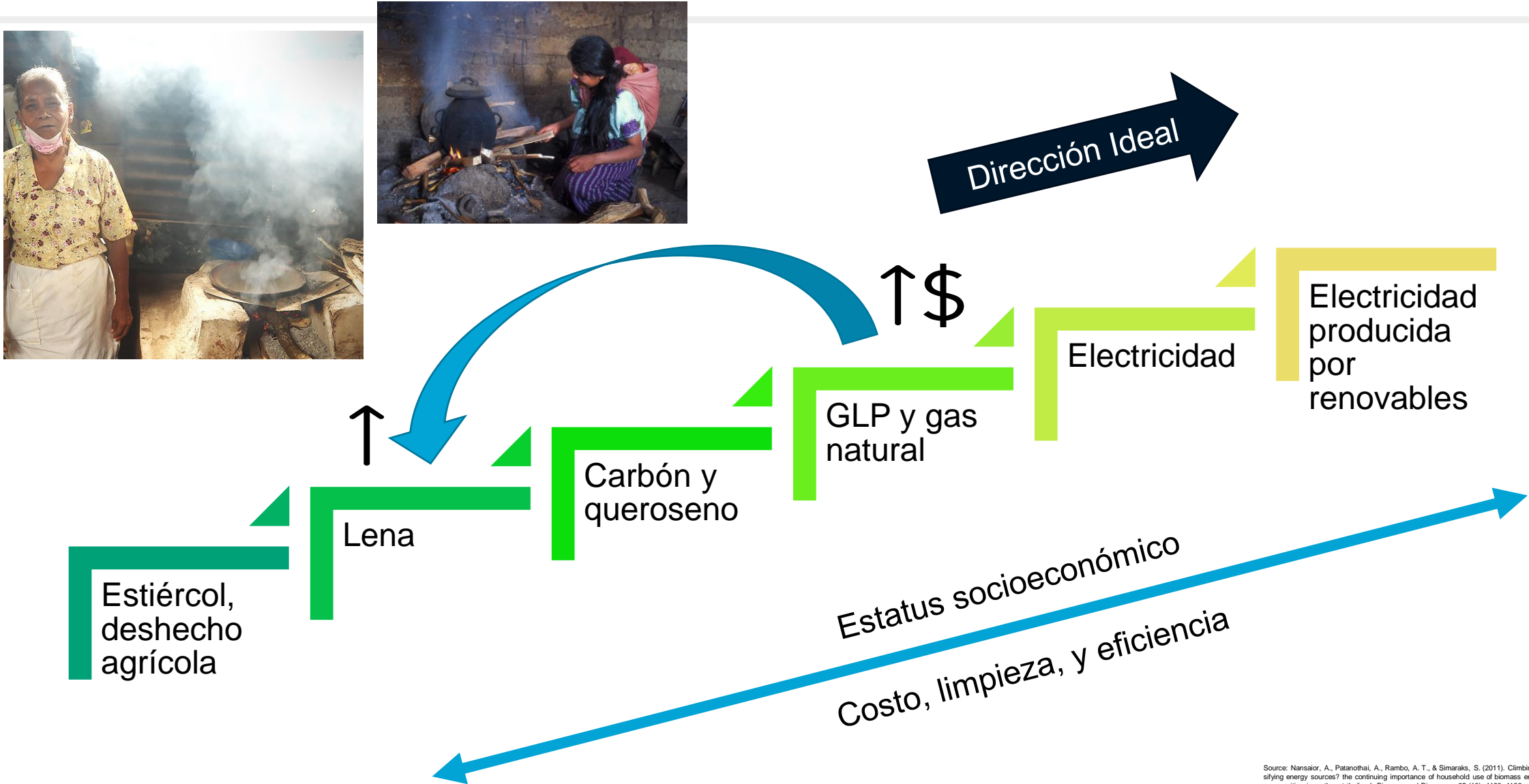
December 6<sup>th</sup>, 2022

### Introduction

Deforestation can be the result of activities such as farming and mining which have the potential to improve local or national economies however, its more significant negative impacts range from decreases in biodiversity, disruption of local weather patterns, to changes in global climate patterns (Li et al., 2016). The large scale deforestation that we are seeing today is a significant contributor to climate change (Li et



# El punto de partida de la transición es fundamental



Source: Nansaior, A., Patanothai, A., Rambo, A. T., & Simarak, S. (2011). Climbing the energy ladder or diversifying energy sources? the continuing importance of household use of biomass energy in urbanizing communities in northeast Thailand. *Biomass and Bioenergy*, 35 (10), 4180-4188.



# Muito obrigado!

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