

MAGFORUM 2025

Magnesium Minerals & Markets Conference

Tivoli Ecoresort Praia do Forte Bahia
Salvador, 19-21 May 2025

Field Trip to RHI Magnesita, Brumado, Thursday 22 May 2025



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Magnesium Minerals & Markets Conference

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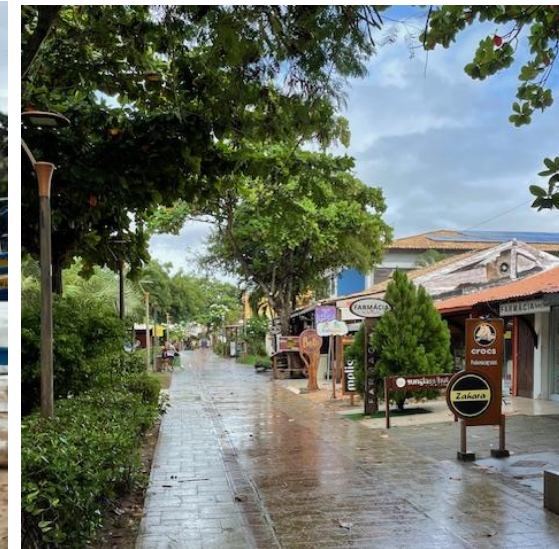
18-20 May 2026



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Magnesium Minerals & Markets Conference
Tivoli Ecoresort Praia do Forte Bahia
Salvador, 19-21 May 2025



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MagForum 2025 has provided me with yet another truly international networking event. To stay up to date with the latest developments in the magnesia industry. My compliments for such a professional organisation.

Alex Medendorp, Director, Magnesium Trade & Consultancy, Netherlands

MagForum 2025 was very well organised – it couldn't be better. There were many interesting papers, great meetings and discussions on the subject of magnesia and the markets. We took a lot away from the conference. We are already looking forward to the MagForum 2026.

Spaeter raw materials, Germany

We had a great experience at MagForum 2025, Brazil. Thank you to IMFORMED and the speakers for an excellent and informative event that covered many interesting topics. The conference proved to be a great mix of technical talks and practical learning and a fascinating field trip.

Mayerton Refractories, UK

The event was a valuable opportunity to discuss the market, economic landscape, geopolitical trends, and, most importantly, strengthen business partnerships. Congratulations to IMFORMED for organising such an exceptional event.

Willyan Doim, Product Strategy Manager, Buschle & Lepper, Brazil

Thank you so much for the hospitality and the networking opportunity. I enjoyed the presentations and the industry connections and learnings I acquired. Definitely a first class event and we look forward to attending next year.

Vince Willis, Vice President of Project Development, Planetary Technologies, USA

Inspired and empowered by MagForum 2025! A true highlight for everyone involved in the magnesia minerals industry. The event brought together global experts to discuss key developments, challenges, and innovations across the magnesia value chain. The highlight was the site visit to RHI Magnesita's Brumado operation. Huge thanks for the excellent organisation and for creating such a valuable platform for global exchange.

thyssenkrupp Materials Trading, Germany

Big thanks for a organising a brilliant week full of insightful discussion into the future of the magnesia sector, and to RHIM for a fantastic site visit led by an enthusiastic and knowledgeable team.

Jessica Roberts, Research Director, Project Blue, UK

MagForum continues to be a key event in our calendar. Our experts gained valuable insights and engaged in meaningful conversations with key players from across the industry. The discussions and personal exchanges once again highlighted the importance of direct contact and solid technical expertise. Special thanks for the excellent organisation and the impressive field trip to Brumado. It was great meeting so many of you! We're already looking forward to the next time.

IMagine by COFERMIN, Germany

Lehmann&Voss&Co. KG participated at this year's MagForum in Praia do Forte, Brazil. As always, the event offered valuable insights on current developments and to strengthen partnerships in the magnesia industry. A big thank you to RHI Magnesita for the unforgettable Brumado field trip - and to IMFORMED for a well organised event. See you next year!

Lehmann&Voss&Co. KG, Germany

EuroPiren was very happy to attend MagForum 2025 in Salvador, Brazil. During this multi-day event, we learned about the latest developments in the worldwide application of magnesia. We would like to thank IMFORMED for hosting this event full of interesting presentations at a beautiful venue.

EurPiren, Netherlands

MagForum — what an incredible experience it was! For the first time outside of Europe, it was three intense days filled with learning, valuable exchanges, and connections that I will carry with me. I want to thank IMFORMED and the RHI Magnesita team for the impeccable event and for creating such a rich environment for debates, opportunities, and networking.

Marcela Oliveira Ferman, Head of Commercial Management/Minerals, RHI Magnesita, Brazil

PROGRAMME

DAY 1

TUESDAY 20 MAY

INTRODUCTION | WELCOME ADDRESS

- 09:00 **Opening Remarks & Introduction**
Mike O'Driscoll, Director, IMFORMED, UK
- 09:30 **Welcome Address | Global mineral supply developments of RHI Magnesita**
Gustavo Franco, Chief Customer Officer, RHI Magnesita, Austria

10:00 **COFFEE** *sponsored by*



MAGNESIA OVERVIEW | DECARBONISATION | CAPACITY INVESTMENTS

- 11:00 **Magnesia market outlook: geopolitical trends & critical mineral status**
Jessica Roberts, Research Director, Project Blue, UK
- 11:30 **The challenges of decarbonisation, C footprint reduction, & ESG: which strategy for the magnesia industry?**
Renato Ciminelli, Technical & Commercial Director, Mercado Mineral, Brazil
- 12:00 **Brazilian magnesia: superior quality, scalable production, and global distribution**
Rajah Jayendran, Chief Technology Officer, RHI Magnesita, Austria

PROGRAMME

DAY 1

TUESDAY 20 MAY (CONTINUED)

12:30 KEYNOTE DISCUSSION PANEL

STATUS & OUTLOOK FOR THE MAGNESIA MARKET

- *Moderator:* Mike O'Driscoll, Director, INFORMED, UK
- Adriana Carvalho, Snr Mgr, Pricing Metals Americas, S&P Global, Brazil
- Renato Ciminelli, Technical & Commercial Director, Mercado Mineral, Brazil
- Dr Rainer Gaebel, Managing Director, Refratechnik Holding GmbH, Germany
- Alvaro Lopes, Head of BU Minerals, RHI Magnesita, USA
- Meera Sawhny, Joint President, Global Monarch FZC, UAE

Questions & comments most welcome from the audience

13:00 LUNCH *sponsored by*



PROGRAMME DAY1

TUESDAY 20 MAY (CONTINUED)

SUPPLY DEVELOPMENTS

- 14:30 **Brazil's magnesite resources, production, developments & markets**
Dr Maisa Bastos Abram, Head of the Dept. of Mineral Resources,
Geological Survey of Brazil - SGB, Brazil
- 15:00 **Magnesia & industrial minerals supply to the Americas:
new capabilities & target markets**
Emilio Lobato, Commercial Director, IBAR Ltd, Brazil & Giovanni
Tancredo, Managing Director, IBAR Refractories, USA
- 15:30 **BEL MAG overview: high purity seawater magnesia
manufacturing, specifications & speciality markets**
Willyan Doim, Product Strategy Manager, Buschle & Lepper, Brazil
- 16:00 **Transforming legacy mine tailings into high-purity MgO:
a low-carbon innovation in magnesium production**
Olivier Dufresne, Chief Executive Officer, Exterra Carbon Solutions,
Canada

16:30 COFFEE *sponsored by*



PROGRAMME DAY 1

TUESDAY 20 MAY (CONTINUED)

ROUNDTABLE NETWORKING SESSION

Opportunity for attendees to relax, network & discuss informally at themed & hosted roundtables

THEME	Host(s)
Supply	Jessica Roberts, Research Director, Project Blue, UK
Carbon Capture & Utilisation	Renato Ciminelli, Technical & Commercial Director, Mercado Mineral, Brazil
Refractory markets	Daniele Fonseca de Lima, Marketing & Technology Director, Vesuvius, Brazil
Speciality markets	Samantha Wietlisbach, Executive Director Research & Analysis, S&P Global, Switzerland Ottavio Carmignano, Vice President Director, ABREFEN, Brazil

17:30 DRINKS RECEPTION & CLOSE OF DAY 1



**LOCATION:
Rear of this
room**



PROGRAMME DAY 2

WEDNESDAY 21 MAY

MARKETS 1:
REFRACTORIES | STEEL

09:00 **The future of MgO steelmaking refractories: innovations to reduce MgO-C brick specific consumption**

Daniele Fonseca de Lima, Marketing & Technology Director
Advanced Refractory South America, Vesuvius, Brazil

09:30 **Steel in flux: A global overview amid on and off tariffs**

Adriana Carvalho, Senior Manager, Pricing Metals Americas, S&P
Global Commodity Insights, Brazil

10:00 COFFEE *sponsored by*



**PROGRAMME
DAY 2****WEDNESDAY 21 MAY****MARKETS 2:****CHEMICALS | HYDROMETALLURGY | FERTILISER**

- 11:00 **Overview and outlook for the CCM and downstream chemicals market**
Samantha Wietlisbach, Executive Director Research and Analysis,
S&P Global, Switzerland
- 11:30 **The use and importance of calcined magnesite products in the hydrometallurgical industry**
Mustafa Çavaç, Marketing & Sales Manager Raw Materials, Kumaş,
Turkey
- 12:00 **ABREFEN, soil remineralizers, natural fertilizers and Enhanced Rock Weathering in Brazil**
Ottavio Carmignano, Vice President Director, ABREFEN, Brazil

12:30 **RHI Magnesita Field Trip Induction Briefing**

**THURSDAY 22 MAY FIELD TRIP
RHI MAGNESITA, BRUMADO, BAHIA**

13:00 LUNCH

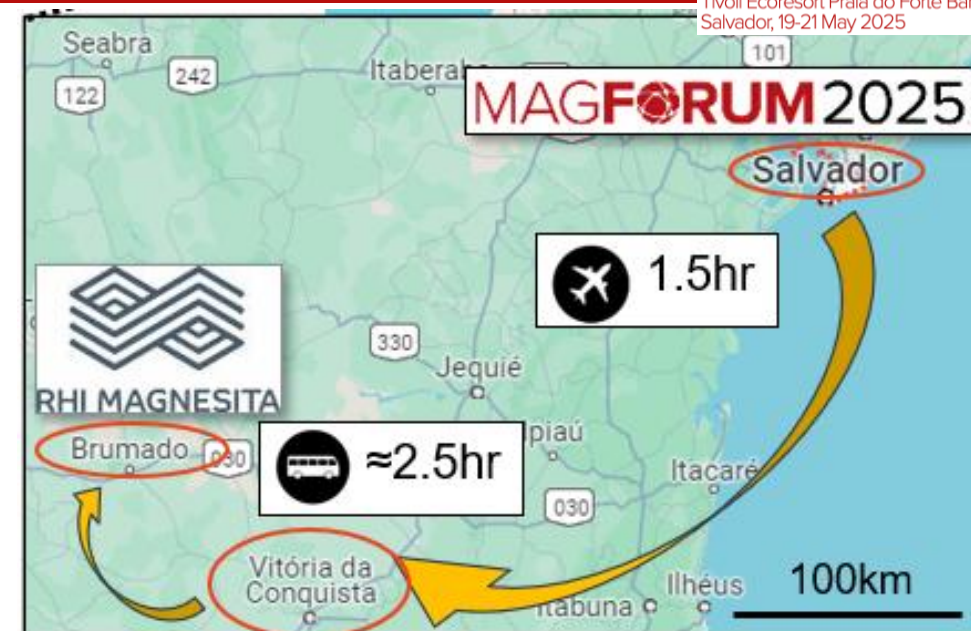
Programme

THURSDAY 22 MAY FIELD TRIP RHI MAGNESITA, BRUMADO, BAHIA



Itinerary*

- 05:45 Meet Hotel Lobby
- 06:00 Depart Tivoli Hotel for Salvador Airport
- 08:15 Flight from Salvador to Vitória da Conquista (1hr 20min)
- 10:15 Bus from Vitória da Conquista Airport to Condado, Brumado
- 12:45 Briefing & Lunch (Safety rules; PPE)
- 13:35 Transfer from Condado to Catiboaba plant
- 13:45 Catiboaba plant tour
- 14:15 Transfer from Catiboaba to Pedra Preta mines & plant
- 14:35 Pedra Preta plant tour (2 Mines, Geology Shed & Rotary Kiln)
- 16:15 Pedra Preta mine blast
- 16:45 Social Project (Community Garden); Coffee & Closing
- 17:30 Bus transfer from Condado to Vitória da Conquista Airport
- 21:00 Flight from Vitória da Conquista to Salvador Airport
- 22:25 Arrive Salvador Airport; transfer by bus to Tivoli Hotel
- 00:00 Arrive Tivoli Hotel



PLEASE NOTE:

Field Trip is now full: attendees wishing to be placed on Waiting List please contact Maria.
Please wear clothing & footwear as befits a working industrial site visit

**subject to change*

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Chairpersons



Mike O'Driscoll
Director, IMFORMED



Jessica Roberts
*Research Director,
Project Blue*

Staff present to assist



Maria Bernard
Sales Manager, IMFORMED



Marilyn Torrance
Assistant, IMFORMED

MAGFORUM

SOURCE



**The world of magnesia
A world of diversity**



GRADE

MARKET

Magnesia overview

Grade & market diversity

MAGNESIA MARKET APPLICATIONS SUMMARY							
➔ Decreasing reactivity, increasing heat treatment, refractoriness, & price/tonne ➔							
RAW MAGNESITE	700-1500°C		1500-2300°C		2800-3000°C		
	CAUSTIC CALCINED MAGNESIA		DEAD BURNED MAGNESIA		FUSED MAGNESIA		
	Synthetic CCM	Natural CCM		Refractory grade 93,95,97% MgO	Refractory grate 97%+ MgO	Electrical grate 97.0%+ MgO	
Mg metal	HP FM electrical grade Mg metal Mg chemicals Pharmaceuticals Ceramics UHP MgO	Feedstock	DBM, FM	Refractories — bricks — gunning — mixes — castables Welding	Transformer steel coatings Refractory bricks	Cable insulation Electrical elements UV sensors Hi-tech ceramics	
Fertiliser		Cement	Insulation boards Sorel cement				
Glass			Adhesives				
Ceramics			Concrete/ cement				
Rubber			Paints				
Insulation			Abrasive wheels				
Paper			Agriculture				Animal feed Fertiliser
Plastics			Environmental				Water/waste FGD CCS
Pigment			Ceramics Metallurgical flux Plastic filler Pesticide carrier Designer ceramics Foundry sand Coatings Absorbent Dessicant Flame retardant Lubricant additive Fuel additive Slag conditioner Hydrometallurgy				
Surface coating							
explosives							
Pesticide carrier							
Landscaping							



Magnesia overview

Discussion points?

Sourcing: Geopolitics/Alternatives/Processing

- Trade tariff impact on sourcing
- Near/on-shoring trends in strategic sourcing, eg. in/near India growth market?
- Magnesia's "criticality" under debate = new EU source development boost?
- MgO-containing mine waste development
- Processing innovation, eg. flotation, flash calcining, 3-step process (Guo 2024)

Environment

- Decarbonisation & recycling the key challenges and priorities in magnesite mining, magnesia processing, *and* for end-users, ie. refractories
- Opportunities for added value MgO products
- CO₂ reduction & utilisation, mineral carbonation
- Alt. fuel inputs – "green" H₂, biomass

Refractory market

- Steel remains major refractory market, facing headwinds in Europe
- Green steel impact on refractory raw material input
- Continuing consolidations

Market diversification

- Exploring more speciality markets
- Construction: low- CO₂ material products
- Hydrometallurgy: CCM in Ni/Co/REE processing for battery raw material
- Wastewater treatment: eg. acid rock drainage & process water from mining.



Exterra Carbon Solutions plans to reprocess serpentine tailings to produce carbon-neutral magnesium oxide (MgO) in Quebec.

Inset: Verde Magnesium's Mg project using brucite "waste"/ore stockpile at Budureasa, western Romania, achieved EC Strategic Project Status March 2025.



MgO boards or panels are an increasingly popular construction material.

ConsenCUS CCU pilot plant in operation January 2025 at Grecian Magnesite's Yerakini mine site calcination facilities

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Programme/Speaker Enquiries

Mike O'Driscoll mike@imformed.com | T: +44 (0)7985 986 255



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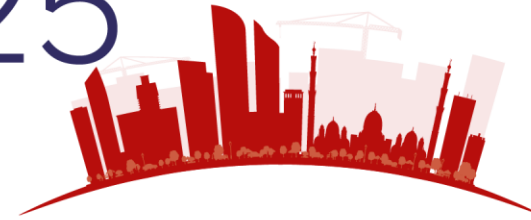


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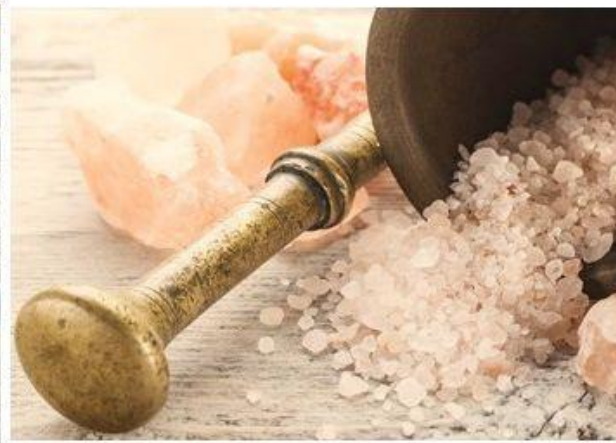
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Production Trends | Logistics | Processing Developments | Market Demand

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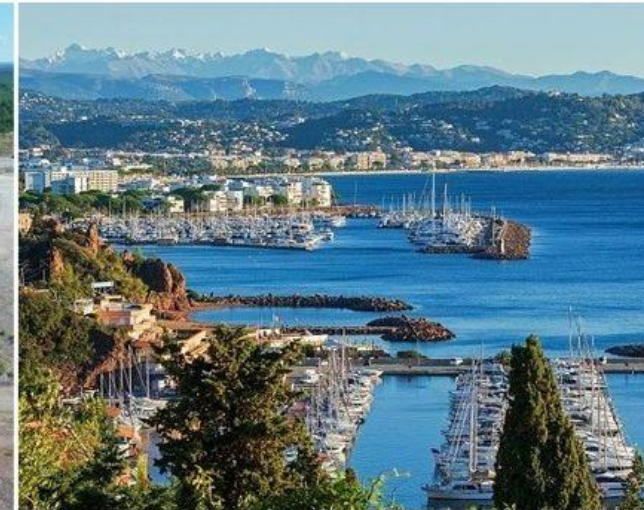
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Secondary raw material sources, supply, processing, and markets



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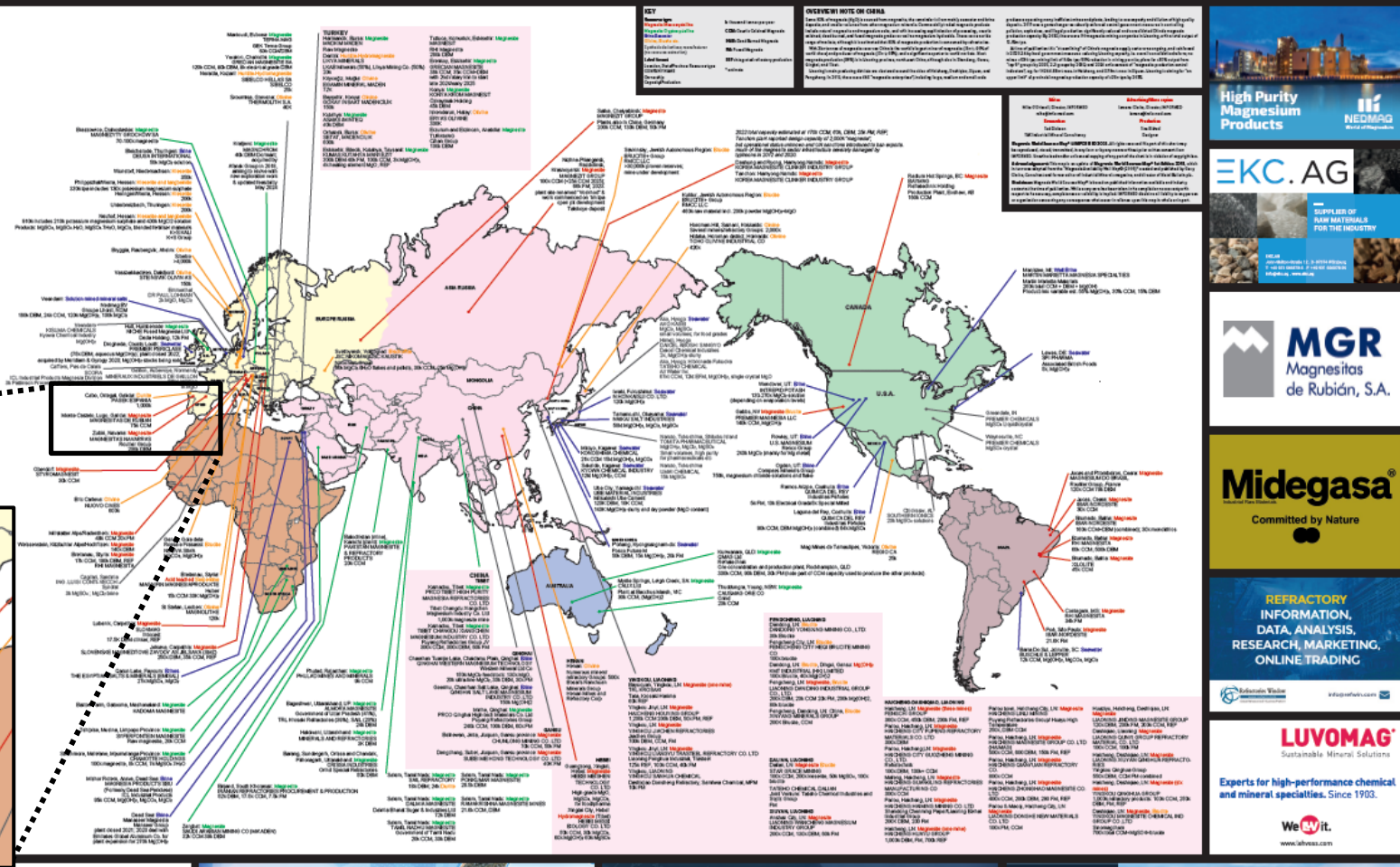
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Let us know if you're in town, we would be delighted to meet up and have a chat

In memory of Ismene Clarke 1963-2024



Ismene Clarke 1963-2024



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Salvador, 19-21 May 2025

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