

FLUORINE FORUM 2019

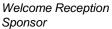
Alcron Hotel, Prague 21-23 October 2019













Supporting Partners









Welcome to Prague



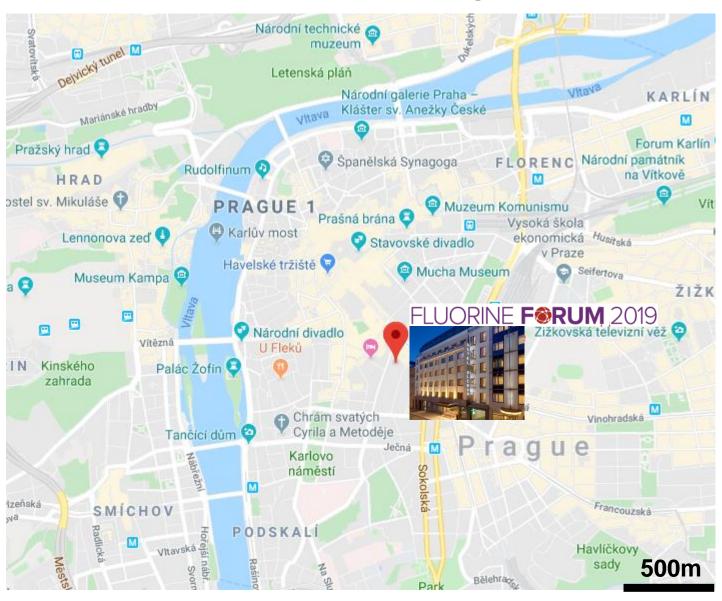








Welcome to Prague





Welcome Reception











Attending Companies



ACH SVS Holdings

AD Process Strategies SARL

Additive Solutions Ltd

Alufluor AB

Alufluoride Ltd

Arkema

Arkema (China) Investment Co.

Ashok Shinh Consulting Ltd

Bal-Co SpA

Britannia Refined Metals

BSR-Van Uden Stevedoring

Buss ChemTech AG

Canada Fluorspar Inc

Carl Spaeter GmbH

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China National Minerals Co Ltd

CNMIA Fluorspar Committee

Delta Minerals Ltd

Derivados del Fluor

Do-Fluoride Chemicals Co. Ltd

EuroChem Trading GmbH

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FluorOne Trading

Fluorsid Spa

Foosung

Glencore Canada

Glencore International AG

Golden Gate Capital

Gujarat Fluorochemicals GmbH

Gujarat Fluorochemicals Ltd

Gulf Fluor LLC

HaloPolymer

I.H.S Markit

Industries Chimiques du Fluor

Kcomber Inc

Koura

Land Regeneration Management

Lanxess Germany

Lincoln Electric

Maharashtra Minerals Corp. Ltd

Mahogany Resources

Manatrade AG

Marubeni Corporation

Masan Resources

Minera de Orgiva

Minersa Group

Mongolian Minerals

Morita Chemical Industries Co. Ltd

Morita Materials GmbH

Navin Fluorine Intl Ltd

New Chemical Products LLC

Nickelhütte Aue GmbH

NTE Company Pty Ltd

OCP SA

Possehl Erzkontor GmbH & Co. KG

Research Institute for Fertilisers &

Insectofugicides

Rio Tinto

Roskill

Rotterdam Bulk Logistics

Sachtleben Minerals GmbH & Co KG

Scheruhn Minerals & Chemicals GmbH

Seaforth Mineral & Ore Co Inc.

Secopsa

Sepfluor Co

Sojitz Corporation

Solvay

Solvay Fluor GmbH

SRF Ltd

Sumitomo Corporation

The QuartzCorp

ThyssenKrupp Materials

Traxys Cometals China

Traxys Cometals Europe S.a.r.l

Traxys Cometals USA LLC

Traxys Europe

Vergenoeg Mining Co.

Xenops Chemicals GmbH & Co KG



Thank you for a great conference. Excellent speakers and attendee list.

Bill Dobbs, Chief Executive Officer, Canada Fluorspar (NL) Inc., Canada

Well thought discussions and presentations, roundtables gave an opportunity to interact.

Haridas Sreedharan, President Supply Chain, Navin Fluorine Intl. Ltd, India

Well-rounded programme, well put together, good venue and attendance.

Malcolm Crawford, Delta Minerals Ltd, UK

Excellent programme and venue, perfect exchange between participants.

Erika Utner, Commercial Manager, CHENCO, Germany

Knowing the market, knowing most of the market participants, makes these conference organisers the best in the business.

Ray Will, Director of Specialty & In organic Chemicals, I H S Markit, USA

Thank you for providing a very well organised event and the opportunity to present to my peers and leaders in the fluorine industry.

John Zielinski, Category Manager Fluoroproducts, The Chemours Co., USA

Congratulations, you really knocked it out of the park with the content of the conference.

Kerry Satterthwaite, Manager Industrial Minerals & Chemicals, Roskill, UK

Thank you and your team for a beautifully organised conference. I participated in it for the first time and I'm sure that it will not be the last time

Evgeniy Torochkov, Head of Dept., PhosAgro JSC "NIUIF", Russia

Very good quality of presentations, keep it at this level. Roundtables excellent.

Andreas Waser, Managing Director, Additive Solutions Ltd, Switzerland



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Setting the Scene Key Discussion Points



FLUORINE FORUM 2019 Why Prague?

Czech fluorspar deposits

- Hydrothermal; mostly located in marginal parts of the Bohemian Massif, associated with major fault zones of the Krušné hory Mts.
- 1991 32,000t peak, declined to 10,000t in 1994
- Mine & imports processing at Sobědruhy, Teplice
- No mine production since 1994, limited trade

Registered deposits & other resources (year mining operations ended):

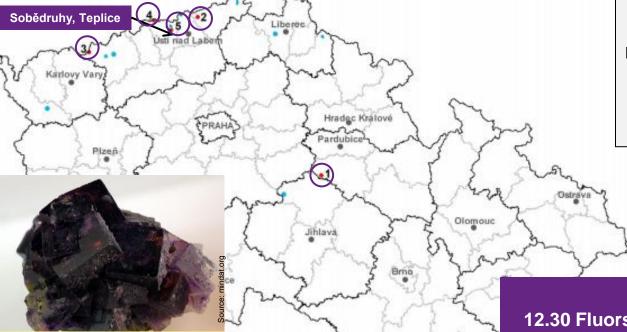
- 1. Běstvina *(1994)*
- . Jílové u Děčína *(1994)*
- Kovářská
- 1. Moldava *(1994)*
- Proboštov tailings pond Přítko

Mineral reserves (tonnes):

Total: 2,210,000 Economic prospected: 32,000 Potential economic: 2,178,000

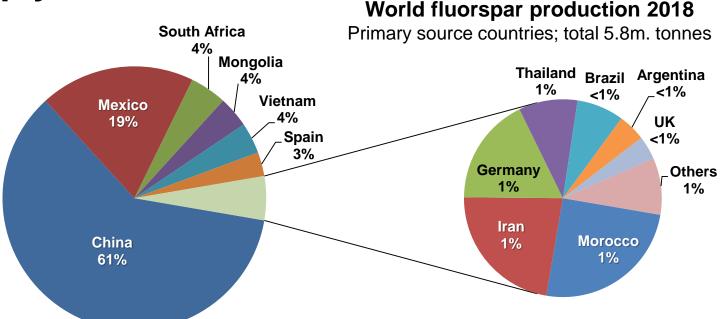


Presenting Today
12.30 Fluorspar mining in the Czech Republic
Vít Kučera, Managing Director,
Fluorit Teplice s.r.o., Czech Republic



Fluorspar from the Moldava deposit

Supply trends – overall



- 2018 reasonably tight, mainly owing to mine closures from environmental controls in China, and limited production from new and emerging producers in Canada and Asia.
- Looks set to continue through 2019 and even 2020 unless new capacity in South Africa and Canada starts to materialise.
- China remains world's top fluorspar producer, accounting for around 60% of total world output of 5.8m tonnes in 2018, followed by Mexico, 19%

Key discussion points

Supply

- When/where are new supply sources emerging? Can they be absorbed? Will there be enough for market demand? Will prices stay firm?
- China: what's really occurring? Changing world role, metspar imports, downstream markets, impact of latest round of environmental inspections?
- Mongolia: are there real prospects? Trade via China and then exported as acidspar?

Processing

- Cost factors and controls
- FSA latest developments?

Markets

- Is it possible to accurately measure global fluorspar consumption?
- Steel and aluminium demand drivers facing recession?
- Fluorochemicals: HFC phase out & replacements, illegal HFC trade, changes in cooling market, new hi-tec applications, eg. Li-/F-ion batteries
- Use of <97% CaF2 for HF, a growing trend? Assess a change in CaF2 grade designation?</p>
- US trade war impact?



Programme – Tuesday Morning

OVERVIEWS

- 09.00 Introduction
 Ismene Clarke, Director & Mike O'Driscoll, Director, IMFORMED, UK
- 09.30 **Key trends and outlook for the fluorspar market**Oliver Rhode, CEO, Xenops Chemicals GmbH & Co. KG, Germany
- 10.00 Trade & tariffs: Where we've been and where we might go
 Ray Will, Director of Specialty & Inorganic Chemicals Consulting, IHS
 Markit, USA

 Mentineter

10.30 COFFEE

MINING & PROCESSING

- 11.30 **Cost factor trends in fluorspar processing**Ashok Shinh, Ashok Shinh Consultancy Ltd, UK
- 12.00 Fluorspar mining in Europe: mineral waste (tailings) management in a National Parks
 Peter Robinson, Chairman, British Fluorspar UK Ltd, UK
- 12.30 Fluorspar mining in the Czech Republic
 Vít Kučera, Managing Director, Fluorit Teplice s.r.o., Czech Republic

13.00 LUNCH



Programme – Tuesday Afternoon

SUPPLY: VIETNAM | CHINA

17.30 EVENING RECEPTION

- 14.30 Nui Phao: Striving to be the best-in-class supplier
- Tony Fitzgerald, former Director Sales & Marketing, Masan Resources Group, Vietnam
- 15.00 The development of China's fluorspar industry Usman Khan, CEO, Kcomber Inc., China
- 15.30 China's fluorspar market update
 Liao Xinhua, Chairman, China Non-metallic Minerals Industry
 Association Fluorspar Committee, China

16:00 COFFEE & ROUNDTABLE NETWORKING

Table No.	Theme	Table Host						
1.	China	Usman Khan, CEO, Kcomber Inc., China						
2.	New/Alt. Sources/Projects	Peter Robinson, Chairman, British Fluorspar, UK						
3.	Processing cost factors	Ashok Shinh, Ashok Shinh Consultancy Ltd, UK						
4.	Aluminium fluoride	Adam Coggins, Analyst, Roskill, UK						
5.	Fluorochemicals	Samantha Wietlisbach, Analyst, IHS Markit						
47.00 F	VENUNO DECERTION							



Programme – Wednesday Morning

MARKETS 1: REFRIGERANTS

- 09.00 The evolution of refrigerant gas and the role of Chemours in the market

 John Zielinski, Executive Buyer Fluoroproducts, Chemours, USA
- 09.30 Changes in refrigerant use and its impact on the air conditioning and refrigeration markets
 Andrea Voigt, Director General, European Partnership for Energy & the Environment, Belgium

10.00 COFFEE

MARKETS 2: HF & FSA DEVELOPMENTS

- 11.00 HF and fluorine developments in Saxony and eastern Europe Johannes Scheruhn, General Manager, Scheruhn Minerals and Chemicals GmbHs
- 11.30 HF from Fluorosilicic Acid (FSA): challenges and opportunities
 Datta Umalkar, Technical Consultant, Chenco GmbH, Germany
- 12.00 A new proven technology to recover Anhydrous HF from FSA Bob Welch, Sales Director, New Chemical Products LLC, USA

12.30 LUNCH

Programme – Wednesday Afternoon

MARKETS 3: FLUOROCHEMICALS | ALUMINIUM FLUORIDE

- 14.00 India: An emerging market for acid grade fluorspar Bimlesh Jain, Executive President (Corporate), Gujarat Fluorochemicals Ltd, India
- 14.30 Downstream markets for fluorochemicals, through to fluoropolymers and fluoroelastomers
 Samantha Wietlisbach, Principal Analyst, Chemical, IHS Markit, Switzerland
- 15.00 Trends in aluminium fluoride supply and demand Adam Coggins, Analyst, Roskill, UK

15.30 CLOSE OF CONFERENCE

Chairpersons & IMFORMED staff



Mike O'Driscoll

Director & Chairperson



Gerry Clarke
Consultant & Chairperson



Ismene Clarke

Director



Maria Bernard Sales Manager

Fluorine Forum

IMFORMED has responded to market demand for:

- A fresh, alternative initiative to bring together the fluorine community, with...
- Intelligent programming
- High quality presentations
- Expert moderation
- Thoughtful venues
- Enjoyable experience with customer care

FLUORINE FORUM 2017

San Luis Potosí, Mexico 30 Oct-2 Nov 2017







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Pan Pacific Hanoi 12-14 October 2020





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 - Mineral Recycling
 - > Fluorine
 - **➤** Oilfield Minerals





AT A GLANCE
A-Z GUIDE
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FOR WHICH
MARKETS

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- Leading industrial minerals
- Main raw material feedstock
- Key specified chemical component
- World production
- Main source countries
- Leading consuming markets

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Secondary raw material sources, supply, processing, and markets





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CHINA REFRACTORY MINERALS
FORUM 2020
Dalian, September 2020

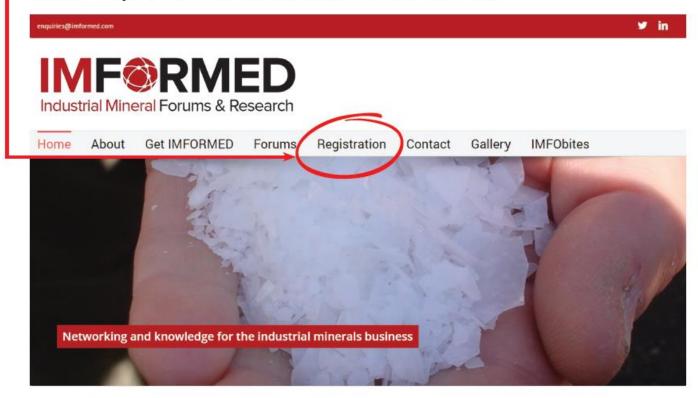








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