

Slovak National Archives,  
special division  
Slovak Mining Archives  
and  
Slovak Mining Museum

invite you  
to an international conference

## **EARLY STEAM ENGINES IN CENTRAL EUROPEAN MINING**

**October 7 – 8<sup>th</sup> 2022**

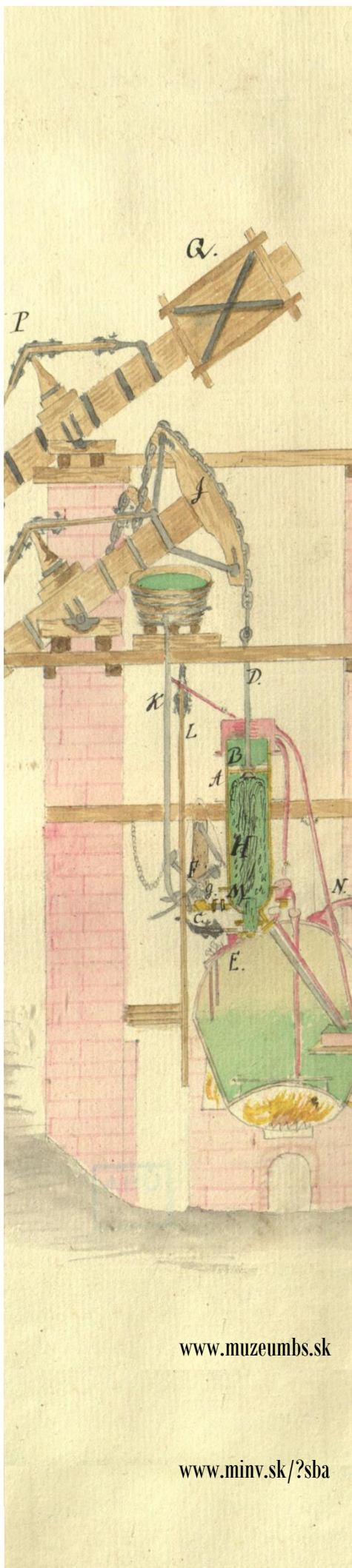
**Banská Štiavnica, Slovakia**

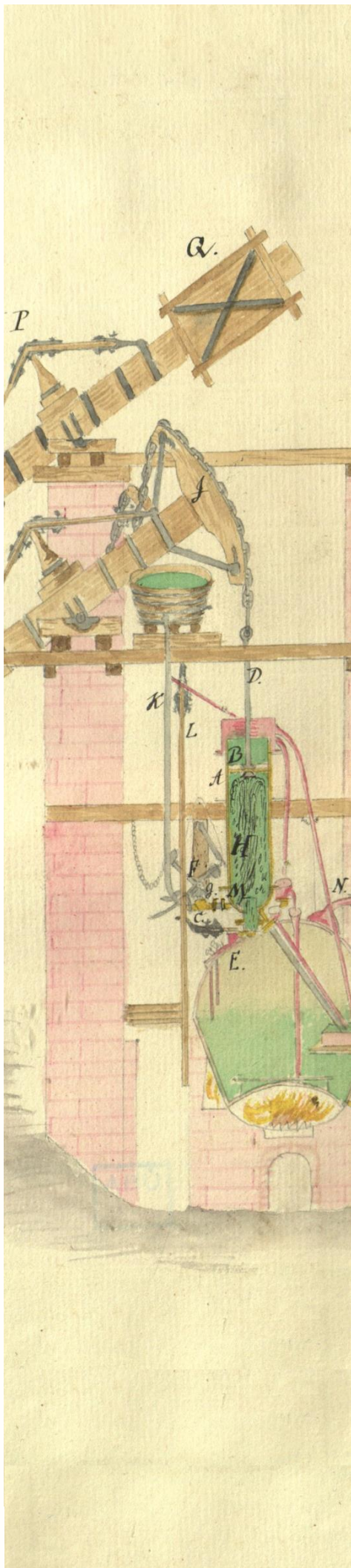
Conference programme

[www.muzeumbs.sk](http://www.muzeumbs.sk)

[www.minv.sk/?sba](http://www.minv.sk/?sba)

  
Slovenské  
banské  
múzeum





## Dear Colleagues,

We look warmly towards your attendance at our conference, organized to celebrate the 300<sup>th</sup> anniversary of the first atmospheric steam engine in Central European mining. The conference will focus on the latest archaeological, historical and technological research on early atmospheric steam engines.

**The conference will be held** in the medieval mining town of Banská Štiavnica in the attractive surroundings of the Old Castle (Starozámocká Street 11).

**Posters** on various aspects of atmospheric steam engines will be exhibited at the conference venue.

Parallel with the conference, **a temporary exhibition** “The Engine that Changed the World: The Story of Isaac Potter's Fire Engine” can be visited at the Slovak Mining Museum.

## Responsible for organization of the conference

Mgr. Peter Konečný, PhD. (peter.konecny2@minv.sk, +421 948 342 632)

## Expert partners

Althandel, Civic Association

International Early Engines Conference

Kremnica Mint

Municipality of Nová Baňa

National Bank of Slovakia

Newcomen Society

Slovak Historical Society at the Slovak Academy of Sciences

It is our intention to publish the full versions of the papers read at the conference in a single volume. Submission of papers read at the conference should be sent by **January 1<sup>st</sup> 2023**

to the following address: **peter.konecny2@minv.sk**

## Preliminary conference program

Friday, October 7<sup>th</sup> 2022

**8:30-9:00** Registration (Slovak Mining Museum, Old Castle)

**9:00-9:40** Opening of the conference, introducing of sponsors

**9:40-10:25** **Introductory Presentation**

**David Perrett:** The Survivors — Their Story

**10:40-12:00** **1. Session: „Economic and Administrative context of Early Atmospheric Steam Engines”**

**Miroslav Lacko:** Mining and Fiscal-Military State: Habsburg Metal Production for Global Markets in the 18<sup>th</sup> Century

**Marek Uškrt — Peter Konečný — Milan Palou:** Physicians, Soldiers, Diplomats, Engine Builders and Entrepreneurs: Speculative Investments in an Early Modern Gold Mine (Althandel, Nová Baňa, 1723-1730)

**12:00-12:30** Memorial 2€ Coin Presentation (National Bank of Slovakia and The Kremnica Mint)

**12:30-13:30** Lunch break

**13:30-15:30** **2. Session: „First Engine Builders in Great Britain and Hungary“**

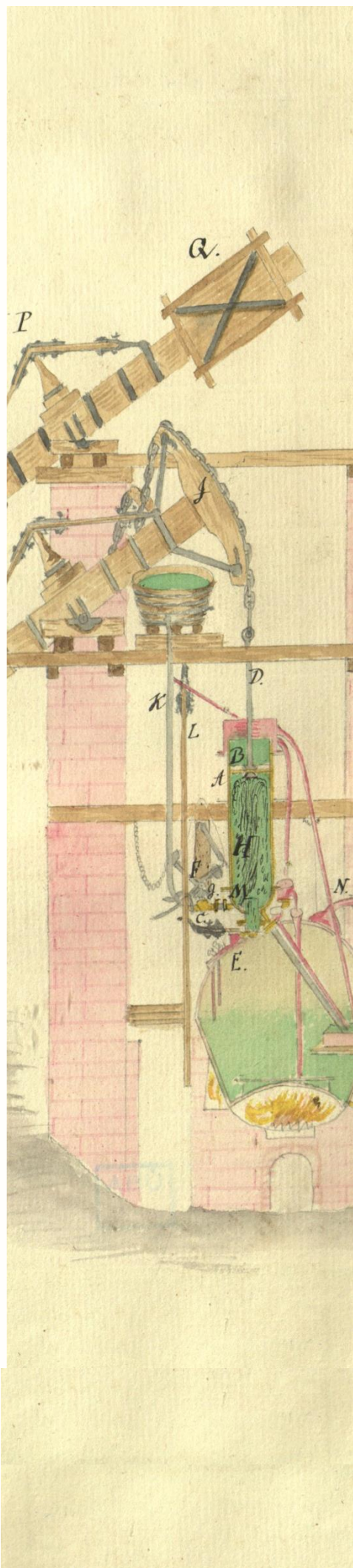
**Steve Grudgings:** Thomas Newcomen — The Man and His Engines

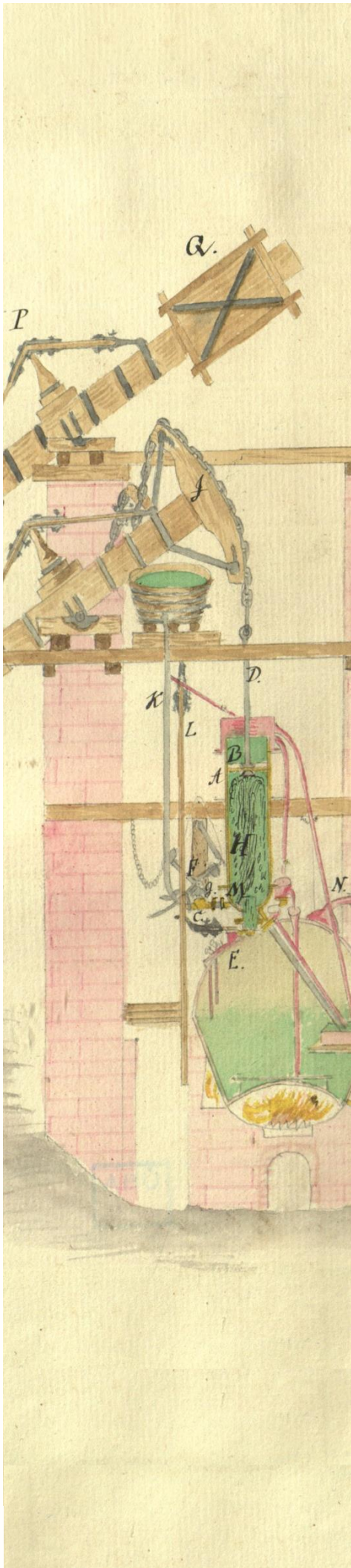
**James Greener:** Who Was Isaac Potter?

**Peter Konečný:** How to build an Atmospheric Steam Engine Outside of Great Britain: The Engines at Althandel in Nová Baňa and Joseph & Magdalene Shafts in Štiavnické Bane

**15:45-17:10** **3. Session: „Archaeological Excavations of Engine Houses“**

**Matej Styk:** Archaeological Excavation of the Engine House at Althandel in Nová Baňa





**David Hardwick:** Newcomen Engine Buildings in 18<sup>th</sup> Century Europe: Comparative Architectural History

**17:30-18:15** **Guided Visit to the Exhibition** “The Engine That Changed the World: The Story of Isaac Potter's Fire Engine”

**18:30** **Dinner** for conference participants, restaurant Monarchia (it not included in the refreshment fee)

**Saturday, October 8<sup>th</sup> 2022**

**9:00-9:40** **4. Session: „Building and Depicting Engines and Engine Houses“**

**Peter Konečný — David Hardwick:** Handling of the Technology and Preserving: Last Atmospheric Steam Engine House in Hungary (Štiavnické Bane, Königsegg shaft, 1758)

**10:00-12:10** **5. Session: „Approaches to assessing and improving the performance of early steam engines“**

**Gerald Muller — Branislav Mereš:** Thermodynamic Assessment of the Newcomen Engine & Its Application to the 1722 Nová Baňa Engine

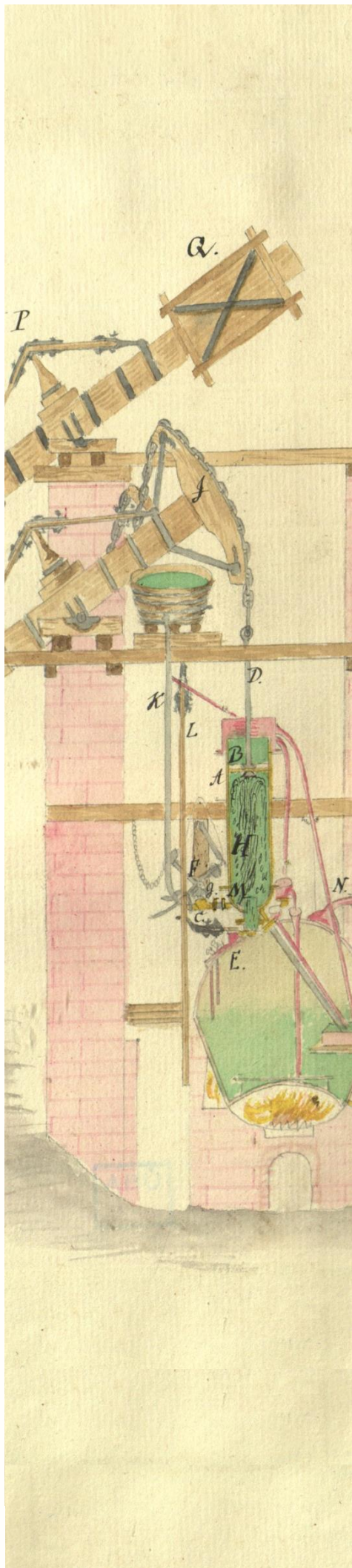
**Alice Reininger:** „... I saw Mr. Kempelins Machine at Work Today ...“: Wolfgang von Kempelen and James Watt

**Jan van de Veen:** Development of Steam Engines in the Netherlands (1750-1850)

**12:10-12:35** Final discussion and instructions for the field trip

**12:35-14:35** Lunch break

**14:35-17:00** **Field trip** to Althandel in Nová Baňa (Excavation site of Isaac Potter's Engine House from 1722)



## Field trip

At 14:30, participants of the excursion will be transferred to the site of the archaeological excavations at the Althandel shaft in Nová Baňa, where the tour commentary will be given by the archaeologist Mgr. Matej Styk, PhD. and Mgr. Peter Konečný, PhD., member of the Althandel Civic Association.

## Price list

**60,00 €** - full participation in the conference and excursion, refreshments and a single volume of the papers read at the conference

**20,00 €** - students and retirees - participation in the conference including refreshments

**20,00 €** - separate fee for excursion

## Payment method

by bank transfer or cash at registration

IBAN: SK74 0900 0000 0051 9074 3181

SWIFT: GIBASKBX

PayPal: [info@althandel.sk](mailto:info@althandel.sk)

If an epidemiological outbreak (such as Covid-19) makes it impossible to hold the conference in a face-to-face format, we will switch to online or combined format and will inform you of details accordingly.

Accommodation and transport to the conference venue must be arranged by each participant. We are happy to assist you, please contact us if needed.

## Organizing committee

### For the Slovak Mining Archives:

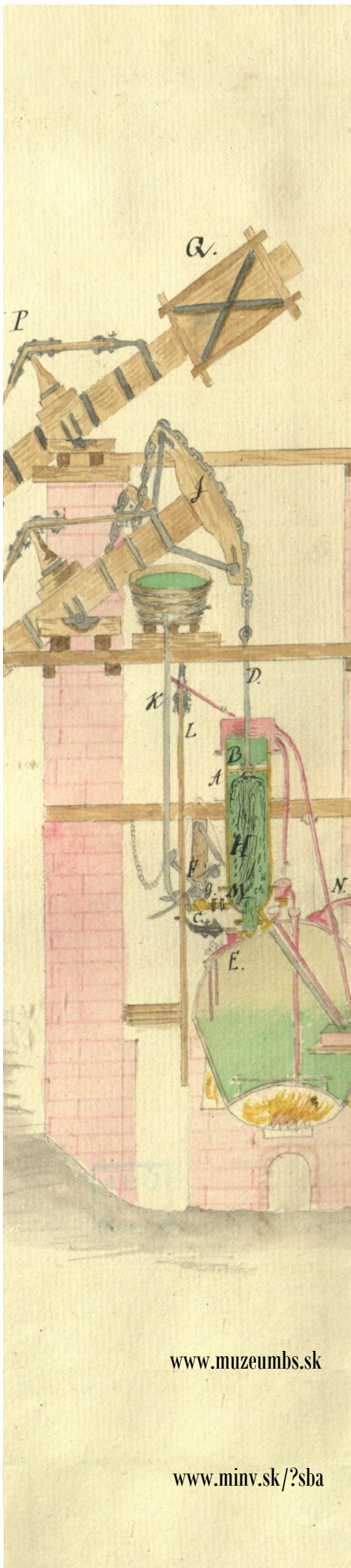
Mgr. Peter Konečný, PhD. - expert guarantor of the conference, editor of the conference proceedings, main curator of the exhibition, [peter.konecny2@minv.sk](mailto:peter.konecny2@minv.sk)

Mgr. art. Michala Oravcová - main organizational guarantor of the conference, editor, [michala.oravcova@minv.sk](mailto:michala.oravcova@minv.sk)

Mgr. Katarína Olajcová - member of the organizing committee of the conference, editor, [katarina.olajcova@minv.sk](mailto:katarina.olajcova@minv.sk)

### For the Slovak Mining Museum:

Mgr. Helena Galková - member of the organizing committee of the conference, [galkova.helena@muzeumbs.sk](mailto:galkova.helena@muzeumbs.sk)



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