



**INTERNATIONAL COMMISSION ON THE HISTORY OF  
GEOLOGICAL SCIENCES (INHIGEO)**

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**INHIGEO CIRCULAR 2023, Number 3  
September 2023**

Dear INHIGEO members and friends,

Welcome to the September 2023 INHIGEO Quarterly Circular. Please find below – amongst other things – the minutes to our business meeting in Cracow, information to the next INHIGEO Annual Meeting at the IGC in Busan, South Korea, information to INHIGEO's outreach activities and publications, congratulations to the latest recipient of the INHIGEO Early Career Award, the link to the latest INHIGEO Annual Record provided thanks to our editor John Diemer, whom I particularly wish to thank for completing this arduous task, and a sequel to our series introducing young INHIGEO scholars.

I'd like to use this opportunity to thank all those, who make sure that INHIGEO continues to be a strong and lively enterprise!

Best wishes to all of you: stay safe!

Martina Kölbl-Ebert  
INHIGEO Secretary General

# Minutes of the INHIGEO Business Meeting

Cracow (Poland), August 4<sup>th</sup>, 2023

## 1. Welcome and Opening

INHIGEO President Ezio Vaccari opened the Business Meeting and welcomed all members present.

## 2. Regrets and apologies from those unable to attend

Apologies have been received from Maria Margaret Lopes, INHIGEO Vice President for Latin America, Marianne Klemun, Vice President for Europe, INHIGEO webmaster Johannes Mattes and INHIGEO members Zoya Besudnova and Leonid Kolbantshev

## 3. Arrangement of the agenda

The agenda was sent out to all members via the June INHIGEO Quarterly Circular on June 15<sup>th</sup>. During the meeting, point 13 was inserted:

1. Welcome
2. Regrets/apologies
3. Arrangement of the agenda (requests for modification)
4. Minutes of the previous meeting, Les Eyzies (2022) – discussion / matters arising
5. President's report – discussion / matters arising
6. Secretary-General's report – discussion / matters arising
7. Editor's report – discussion / matters arising
8. Publication and Outreach Coordinator's report – discussion / matters arising
9. IUGS topics
10. IUHPST/DHST topics (International Union of History and Philosophy of Science and Technology / Division of History of Science and Technology)
11. Future meetings of the commission; IGC 2024 in Busan (South Korea) and fieldtrip to Japan
12. Finalization of 2023 ballot
13. Any other business
14. Vote of thanks for organizers of the 2023 INHIGEO meeting

## 4. Minutes of the previous meeting

The minutes of the business meeting in Les Eyzies, 2022, have been published in the INHIGEO Quarterly Circular of December 2022.

## 5. President's Report

Dear INHIGEO Members and Guests,

Since we met in September last year at the INHIGEO Symposium in Les Eyzies, wonderfully organized by our French colleagues, the activities of our commission in the last months of 2022 and in the first half of 2023 have been lively and productive, as you will find out soon from the report by Secretary-General Martina Kölbl-Ebert, that I warmly thank for all the great work, support and commitment to the development and improvement of INHIGEO.

I am glad to say that INHIGEO has further grown and developed in recent times: not only because the extent of the membership has significantly increased, with new young members and new members from previously non-represented countries, but also because various interesting activities have been put in place.

Besides the organization of the annual meeting here in Poland, two INHIGEO sponsored sessions were included for the very first time in major scientific international conferences, such

as the International Paleontological Congress (INHIGEO was one of the official partners) and the International Union of Geodesy and Geophysics General Assembly. We are also working at our participation to the International Geological Congress in August 2024 (Busan, South Korea), where our annual meeting will take place as usual within the sessions which will be confirmed in the program after the results of the call for papers. At the moment the proposed (and approved) INHIGEO sessions concerns topics such as "Geosites and Georoutes in the History of Geological Sciences", "Anthropocene, History and the Geosciences: contributions to contemporary debates", "History of Geological Travels in Asia and Beyond", "History of Women in Geology: trailblazers, leaders and those in the shadows", "General Contributions to the History of Geological Sciences" and a workshop on "Hidden Histories in the Geological Sciences". I thank all the convenors and co-convenors involved in this task: the next IGC circular should be sent this summer, so, please, consider to participate. We look forward to receive many abstracts for these INHIGEO sessions.

During these last months we have also explored the advantages and the opportunities that virtual experiences and communication on-line may offer to some projects of outreach: the new series of INHIGEO webinars has started early this year and the first three meetings were a real success, in terms of attendance and for the high quality of the presentations, always delivered by young scholars and followed by lively discussions. So, I want to praise and thank the two creators and organizers of these webinar series, who are also young researchers and INHIGEO members: Maddalena Napolitani and Victor Monnin.

Moreover, the virtual roundtable organized in October 2022 by INHIGEO in collaboration with the IUGS 60th Anniversary Team, on the history of the International Geological Congress (IGC) within the development of the geosciences from the late 19th century to the end of the 20th century, was also a success. The aim of this event, entitled "The roots of a geological union for the future of the Earth" was to emphasize and discuss the role of the IGCs for the idea of the foundation of the IUGS and for its development from the 1960s onward. And the eight excellent presentations on the IGCs were followed by a 45-minute long lively discussion by the panellists with questions and comments from the online participants.

An active and fruitful collaboration has been established during 2022 with the IUGS International Commission on Geoheritage (ICG). INHIGEO has provided its contribution for the aspects concerning the history of geosciences within the project on IUGS Geological Heritage Sites, proposing sites of geohistorical relevance, taking part in the evaluation process and contributing to the editing of the book on the First 100 IUGS Geological Heritage Sites. We took part in the conference / event, held on October 2022 in Zumaia, Basque Country, Spain, where, in the session dedicated to History of Geosciences, some INHIGEO members presented four of the first 100 IUGS Geological Heritage Sites selected for their importance in the development of the geological sciences (Siccar Point, Phlegrean Fields, Puy de Dôme, Giants Causeway). We are presently involved in providing our contribution also to the second part of this project, called the Second 100 IUGS Geological Heritage Sites, with the help of a specific INHIGEO working group: but we need the help of all of you in this matter in the next months. Meanwhile, we have very recently discussed and approved within the Board the establishment, under the IUGS / ICG framework, of the INHIGEO definition, basic standards and procedures for the reconnaissance, selection and presentation of historical geosites, in order to reinforce the role and the utility of the geohistorical knowledge in the field of geoheritage.

More collaborations with other IUGS groups and commissions are on the way for the near future: in fact, we have received proposals of interactions and expressions of interests from the Initiative on Forensic Geology, the Commission on Geoscience Education, and the newly established Commission on Geoethics. At the same time our relationships with the Division of History of Science and Technology of the International Union of History and Philosophy of Science and Technology have been constantly reinforced by mutual exchange of information, shared online events, and other promotional activities, in preparation of the International Congress of History of Science and Technology which will take place in New Zealand in 2025.

More details on all these activities, as well the useful outlines of the research work and the lists of publications of INHIGEO members included in the country reports, can be found in the *Annual Record* n. 55, covering activities in 2022, just published and available on our website. I would like to thank all the members who have actively contributed with country reports, articles, reviews and other texts. Of course, a particular mention goes to our Editor, John Diemer, who has organized the *Annual Record* with the usual expertise and accuracy.

The INHIGEO website is very healthy and has been updated with a new section on current activities, such as webinars, promotion of events organized by our members worldwide (conferences, exhibitions etc.) and links to our affiliated groups, associations and societies. As you know, the website also features the Anniversaries Series of historical papers that INHIGEO prepares monthly for the *IUGS E-Bulletin* and links to the INHIGEO papers published on *Episodes*. Once again, we must thank our webmaster Johannes Mattes and our Publications and Outreach Coordinator Kathleen Histon.

Within the website, also the information and the links to the various publications of the proceedings of our symposia since the early years of INHIGEO have been updated and will be completed in the near future: concerning this matter, several new publications are on the way, such as the papers of the session on the history of stratigraphy in Italy at the conference STRATI in Milan (Italy), a volume with some papers presented at the INHIGEO annual meeting held in Armenia, the proceedings of the INHIGEO session “Hidden histories revealed in scientific revision of palaeontological collections” within the International Paleontological Congress in Thailand, and the proceedings of last year's symposium at Les Eyzies.

An important particular mention also goes to our *Quarterly Circular* – prepared by Secretary-General Martina Kölbl-Ebert with the help of the Board – which is sent out regularly with news on our activities and initiatives and may be downloaded from the website. The Circulars issued in 2022 contained a first set of four Early Career Research Profiles, while in 2023 two young researchers have been presented to date. This profile series on young members of INHIGEO is to create a space where early career scholars can present their studies and research interests to the whole membership and anyone who receives the newsletter, in order to highlight their field of expertise. And let me say that this is extremely important for our present and our future.

In fact, our membership is certainly increasing, but it always needs to be identified by an active involvement, more than a general interest, in the research in the field of the history of geological sciences. In order to achieve this target, we strongly encourage the proposals of new nomination of young researchers (students, post-graduates and PhD students in particular). Also, more national groups and societies of history of geosciences have the possibility to become affiliated to INHIGEO and we need to emphasize this opportunity.

For the near future we will continue to review and update our tasks, looking in particular for example to the organization of our archives, bibliographical projects and scientific directories, in order to make more available all the research and the knowledge produced by INHIGEO's members since the establishment of our commission in 1967.

Needless to say, in order to do this, we need the help of all of you, in a real "INHIGEO spirit" of collaboration, curiosity and friendship. Thank you very much for your attention.

## **6. Secretary General's report**

In 2022, INHIGEO happily returned to its peripatetic mode of annual meetings and congregated at the beautiful site of Les Eyzies in southern France, thanks to our French colleagues from COFRHIGEO. We had interesting fieldtrips and inspiring talks – despite the fact that several of us came down with Covid19 during the conference, including myself. Main topics of talks were geology and prehistoric archaeology, the geology of caves, history of Quaternary geology and history of Miocene geology. COFRHIGEO is going to publish the conference proceedings as a special volume of their journal. The papers are currently in review.

INHIGEO also sponsored a history of palaeontology symposium at the 6<sup>th</sup> International Palaeontological Congress “From Gondwana to Laurasia” at Khon Kaen, Thailand, 7–11 November 2022, which apart from the interesting presentations resulted in several applications for INHIGEO membership from hitherto unrepresented countries in southeast Asia. This meeting was also greatly furthered by the Coordinating Committee for Geoscience Programmes in East and Southeast Asia, of which IUGS is a member.

Just a few weeks ago, there was also an INHIGEO sponsored session on History of Volcanology and Historical Volcanology at the 28<sup>th</sup> International Union of Geodesy and Geophysics (IUGG) General Assembly in Berlin, Germany.

In October 2022, Marianne Klemun (Austria), current INHIGEO Vice President for Europe, received the GSA History and Philosophy of Geology Division’s Mary C. Rabbitt Award at the Geological Society of America annual meeting in Denver, USA. She was also awarded on November 23 (2022) the Medal of Honour from the Carinthian Society for History for her research on history of natural sciences within a political context.

In Les Eyzies, the INHIGEO Board awarded the new INHIGEO Early Career Award to Maddalena Napolitani for her presentation “Painting the mountains between art and Earth sciences during the 2<sup>nd</sup> half of the 19<sup>th</sup> century: some French case studies” and the INHIGEO Student Prize for best presentation by a Master/PhD student to Timothé Lhoste for his talk on “Fabriquer l’homme fossile: Enquête autour des vestiges de la Denise et de leur contexte stratigraphique”.

INHIGEO member Daniele Musumeci was awarded the Quintino Sella Prize for the History of Geosciences in Honour of Nicoletta Morello and Bruno Accordi on the 20<sup>th</sup> September 2022 by the Italian Geological Society.

INHIGEO has again been very active in 2022 to increase its visibility and public outreach. The INHIGEO website is in the capable hands of Johannes Mattes and is continuously updated and expanded.

INHIGEO contributed various outreach activities to the IUGS 60<sup>th</sup> Anniversary: INHIGEO President Ezio Vaccari took part in the virtual event Happy Earth Day 2022 on 22<sup>nd</sup> April 2022 with a short video within the greetings from each IUGS commission to mark Earth Day. An online INHIGEO special event featuring the Histories of the International Geological Congress (IGC) and the IUGS was held on 8 October 2022. INHIGEO successfully submitted four of “The First 100 IUGS Geological Heritage Sites” and presented them at the 60<sup>th</sup> IUGS Anniversary event at Zumaia (Basque country, Spain) in October 2022. You may download the e-book version free of charge from the IUGS website. Currently, we are contributing – again working with a rather tight schedule – to the “Second 100” to be announced at the IGC in Busan. Maddalena Napolitani and Victor Monnin have magnificently organized three INHIGEO Webinars this spring, and more are to come after the summer break:

- History of Volcanology: From Ancient Catastrophes to a Contemporary Discipline on February 24<sup>th</sup> with talks by Loredana Lancini (France) and Daniele Musumeci (Italy)
- The State, the Church, and the Earth: Collecting Practices in Geosciences on March 17<sup>th</sup>, with talks by Maria Toscano (United Kingdom) and Angela Strauß (Germany)
- Approaches to the History of Climatology and Glaciology on April 21<sup>st</sup> with talks by Tatiana Carbonell (Switzerland) and Danielle Inkpen (Canada)

Publications and Outreach Coordinator Kathleen Histon has successfully revived INHIGEO’s contributions to the monthly IUGS E-Bulletin and to the journal *Episodes*. Thirteen contributions to the Anniversary series have been published in 2022. And this year, so far, we have also had one in each month. All anniversaries are archived on the INHIGEO website.

During 2022, one book review, one general history of geology paper and five papers from various authors completing the IGC Histories series have been published in *Episodes*.

The quarterly “INHIGEO Circular” continues with issues in late March, June, September and December of each year, prepared by myself and sent out by e-mail.

The Annual Record documents and compiles all INHIGEO activities thanks to editor John Diemer and can be accessed via our homepage. It also contains the current membership directory. Our newest members will be added in the next edition.

We have received the sad news that three INHIGEO members have died since the last business meeting. Please remember kindly: honorary senior member Wojciech Narębski from Poland, Beris Cox from the UK and Luca Simonetto from Italy.

Coming to the end of my report, I would like to wish each and every one of you peace, safety and good health! Thank you for your lively cooperation and for being part of our international INHIGEO family!

## 7. Editor's Report

The members of INHIGEO continued to be actively engaged in the history of the geosciences during 2022. Many of those activities are documented in the INHIGEO *Annual Record Number 55* which was completed in July and posted on the society's website by the webmaster, Johannes Mattes. Most of the INHIGEO membership have elected to access the *Annual Record* in PDF format on the INHIGEO website. By receiving the PDF format, the members help reduce production and distribution costs, and the carbon footprint.

25 copies of the *Annual Record Number 55* are being printed at a cost of US\$1185.00. That works out to about US\$47 per copy for printing. The cost of printing has nearly doubled from last year, in part due to the greater length of *AR Number 55* (234 pages) versus *AR Number 54* (186 pages) but also due to inflation. Postage and packaging costs for domestic copies are estimated to be about US\$5 per copy whereas international copies are about US\$30 per copy. Thus, printed copies cost US\$52 (domestic) or US\$77 (international) to print and ship to each recipient. Fortunately, the IUG continues to cover the cost of publication and distribution of the *Annual Record*. Printed copies will be mailed from Charlotte at the end of the summer.

As was the case in previous years, I want to thank the membership for reporting in a timely manner on activities during 2022. The practice of assembling the reports by country is very helpful and I particularly want to thank the country coordinators for undertaking that valuable task. It is a rewarding experience to read about the accomplishments and progress made by INHIGEO members in their research endeavours to better understand the history of the geosciences.

Most of all, it has been a pleasure to correspond with so many INHIGEO members during the past year, and I look forward to more interactions in the coming year. So, please keep track of your activities and publications in the history of geosciences during 2023. A call will go out in early 2024 for your reports on activities during 2023, and I hope to again receive them in a timely manner so that the publication of the next *Annual Record Number 56* can appear on time.

## 8. Publication and Outreach Coordinator's Report

Papers for Episodes – Papers on the history of the geological sciences now have the heading “*History of Geology*” when published in Episodes starting from 2022.

Five articles solicited by the INHIGEO Publications and outreach coordinator published during 2022 are listed below:

Georges Cuvier's appeal for international collaboration, 1800

Author: Martin J. S. Rudwick.

<https://www.episodes.org/journal/view.html?uid=2271&vmd=Full>

The fourth International Geological Congress, London (1888)

Author: Beris M. Cox

<https://www.episodes.org/journal/view.html?volume=45&number=3&spage=333&vmd=Full>

The XIII International Geological Congress of 1922 in Brussels (Belgium): between wounds of the Great War and theory passed under silence

Author: Philippe Le Vigouroux

<https://www.episodes.org/journal/view.html?uid=2291&vmd=Full>

*The History and Outcomes of the 30th International Geological Congress, Beijing (1996)*

Authors: Jiuchen Zhang<sup>1</sup>, Jingfei Zhang<sup>2</sup>

<https://www.episodes.org/journal/view.html?uid=2292&vmd=Full>

Science and Prestige: The 9th International Geological Congress, Vienna (1903)

Author: Marianne Klemun

<https://www.episodes.org/journal/view.html?uid=2301&vmd=Full>

In addition, another article related to the history of the International Geological congresses was published online in January 2023, thus concluding this series. The first article in a new series solicited by INHIGEO in 2022 related to the History of IUGS Women was published online in April 2023). I was selected as an Associate Editor of *Episodes* in August 2022 for a two-year term (2022-2024).

INHIGEO Anniversaries – Thirteen Anniversaries in Geo-History have been solicited and prepared for 2022: these are posted monthly on the IUGS website and are archived permanently on the INHIGEO website. They are published in the monthly IUGS E Bulletin. These are listed on the INHIGEO website.

12 Anniversaries for 2023 solicited and agreed with authors.

<https://www.inhigeo.com/anniversaries.html>

Cross-disciplinary Symposia – As stated elsewhere a cross-disciplinary INHIGEO sponsored symposium was organized at the 6<sup>th</sup> International Paleontological Congress in Khon Kaen (Thailand) in November 2022. This included 23 presentations and a collection of papers will be published as a Special Issue of *Earth Sciences History*.

Webinars – Two virtual events were organized:

*INHIGEO Virtual Open Forum*

Title: History of the geological sciences – providing resources for society

Date: July 11<sup>th</sup>, 2022

Moderators: Ezio Vaccari (INHIGEO President) and Martina Kölbl-Ebert (INHIGEO Secretary-General)

*INHIGEO/IUGS@60 webinar on the history of the International Geological Congress*

Title: The roots of a geological union for the future of the Earth

Date: 8th October 2022.

Moderators: Ezio Vaccari (INHIGEO President) and Martina Kölbl-Ebert (INHIGEO Secretary-General).

INHIGEO Quarterly Circular – Preparation of two new outreach items in 2022:

*Early Career Research Profiles* – 4 profiles published representing Europe, North and South America.

This series on young members of INHIGEO is to create a space where early career scholars can present their studies and research interests within the history of the geological sciences to the whole membership and anyone who receives the newsletter, in order to highlight their field of expertise. It is hoped this will lead to contacts and collaborations for the future through our extensive network.

*INHIGEO Affiliated Groups, associations and societies* – Short overviews of the INHIGEO affiliated history of geology groups, associations and societies from around the world are given

occasionally in order to highlight their national activities and encourage networking and collaboration between INHIGEO members worldwide. These details have also been made available under the INHIGEO Activities webpage.

INHIGEO Website – *Activities webpage*: collaboration with Web Master (J. Mattes) for this new page established to give details regarding recent activities of INHIGEO and by members and affiliated groups.

Updating list INHIGEO Symposium proceedings on publications page

IUGS Website – Collaboration for posting of the INHIGEO Anniversaries on the IUGS Homepage under news and INHIGEO events for the IUGS Calendar.

IUGS60 Website – Collaboration with the IUGS60 team for establishing webpage for INHIGEO on IUGS60 website (was active only for 2022) and for Virtual event on 8<sup>th</sup> October (see above).

IUGS E Bulletin – Preparation of INHIGEO news inserts.

DHST social media – Collaboration for outreach with members of board of the Division of History of Science and Technology of the International Union of History and Philosophy of Science and Technology (IUHPST/DHST). Provision of INHIGEO news items and anniversaries for posting on Twitter and Facebook.

## 9. IUGS Topics

*Episodes*: Members, who have an appropriate manuscript are asked to submit it to *Episodes* as amongst other things it helps raise the profile of INHIGEO. Authors are encouraged to contact the Publications and Outreach Coordinator beforehand as she might be able to help with the submitting procedure.

The latest meeting of the IUGS Executive Board took place 14 to 17 February 2023 in Belfast. The open sessions of the meeting were attended by Ezio Vaccari as President and Kathleen Histon as Publication and Outreach Coordinator, and myself. Our report has been received favourably and resulted in the continuing financial support by the IUGS.

## 10. IUHPST/DHST Topics (International Union of History and Philosophy of Science and Technology) / (Division of History of Science and Technology)

INHIGEO is an “Inter-Union Commission,” affiliated with both the International Union of Geological Sciences and the International Union of History and Philosophy of Science and Technology. IUHPST has two divisions, the Division of History of Science and Technology and the Division of Philosophy of Science. INHIGEO is affiliated in particular with the historical division DHST. It supports INHIGEO with annual grants, for which we apply annually and file a report. INHIGEO delivers regular news, (via our publications and outreach coordinator) for their Twitter account.

For the end of September, depending on your time zone, it is 28th to 30th of September, DHST will organize a 24-hours online Global History of Science and Technology Festival, which will travel once around the globe. INHIGEO President Ezio Vaccari will participate and represent INHIGEO. You will receive the link and schedule in the INHIGEO *Quarterly Circular* for September and are invited to hop on and off, as your time or urge to get a few hours of sleep permits.



## 11. Future Meetings of the INHIGEO Commission

In 2024 – the 49<sup>th</sup> INHIGEO Symposium will take place in Busan, South Korea, (in association with the 37<sup>th</sup> IGC). Japanese member Michiko Yajima explained the plans for a post-conference fieldtrip to Northern Kyushu in Japan September 1<sup>st</sup> to 4<sup>th</sup>, 2024. The delegates will travel by ferry from Busan Port to Hakata and visit cultural and geological points of interest such as a pottery, a traditional Japanese *onsen* (hot spring), the Unzen volcano and the city of Nagasaki.

In 2025 – the 50<sup>th</sup> INHIGEO Symposium will take place in Dunedin, New Zealand in association with the 27<sup>th</sup> International Congress of History of Science and Technology. Most probably, in 2025 there will be also an INHIGEO sponsored meeting in Italy, organized by Claudia Principe.

For 2026, we have a suggestion from our African Vice-President Sharad Master for Zimbabwe (Victoria Falls) including a pre-conference fieldtrip starting in Johannesburg (South Africa), and for 2027 in Vienna from our Austrian colleague Margret Hamilton.

The 2028 IGC in Sankt Petersburg has been cancelled due to the war, Russia wages on Ukraine. IUGS will make decisions about alternative plans next year in Busan.

## 12. Finalization of 2022 ballot

Over the past months, the INHIGEO Board has reviewed your suggestions for new INHIGEO members and I am pleased to announce that 26 new members from 16 countries – some of them new countries – have successfully applied:

- Fourteen as associate members: Guillermo Federico Aceñolaza (Argentina), Ivan Baritto (Venezuela), Michaela Contessi (Italy), Nicolás Cuvi (Ecuador), Marie-Béatrice Forel (France), Mukhtiar Ghani (Pakistan), Bouziane Khalloufi (Thailand), Chao Liu (China), Kristada Moonpa (Thailand), Rajib Kumar Saha (Bangladesh), Muhammad Aqqid Saparin (Malaysia), Mongkol Udchachon (Thailand), Delfin Eduardo Viera Rojas (Venezuela), Kemal Yildirim (Turkey)
- Twelve as ordinary members: Carlos Acosta Rizo (Spain/Colombia), Warren Allmon (USA), Károly Brezsnýánszky (Hungary), Ivano Dal Prete (Italy), Anna Graber (USA), Selby Hearth (USA), Loredana Lancini (France), Crisanto Silva-Aguilera (Venezuela), Jeremy Schneider (Germany/USA), Jingfei Zhang (China), Danielle Inkpen (Canada), John Compton (South Africa)

A warm welcome to all of them!

As always, INHIGEO encourages proposals of new memberships, in particular from non-represented countries and from young researchers. So, if you know of any suitable candidates, please do not hesitate to submit nominations for the next ballot, which will take place in spring 2024. As a result of this year's ballot, INHIGEO now has 311 members from 57 countries.

## 13. Any other business

Stanisław Wołkowicz gave information about the publication of the conference proceedings. There will be a special volume in the *Geological Quarterly*, a fully open access journal of the Polish Geological Institute (PGI).

There will also be a corrected PDF version of the Abstract Volume to the Cracow meeting. Papers submitted before the 2021 online meeting in Warsaw on the History of Geological Surveys have been redirected to the anniversary volume of the *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften* (ZDGG).

The plenum discussed the exclusion of Russian members from participating the conference in Cracow as a result of the Russian war on Ukraine.

#### 14. Vote of thanks for organizers of the 2023 Krakow INHIGEO meeting

INHIGEO President, Ezio Vaccari, thanked the organizers of the Cracow INHIGEO meeting:

Our Polish hosts, friends and colleagues from the organizing committee of the 48th INHIGEO Symposium in Krakow – in particular Staszek and Krystyna Wolkowicz and Maria Wojcieszak – along with the technical staff and the guides involved in the pre-conference fieldtrip, as well as Polish member Piotr Krzywiec, all the institutions involved such as the Polish Geological Institute, the Polish Academy of Arts and Science, the Polish Geological Society and of course our host the AGH University of Science and Technology here in Krakow, have done a wonderful job. We understand well that this achievement was not easy to reach, because these are difficult times, particularly in this part of the world: so also for this reason we want to express to all of you our deep gratitude.

Our Polish friends truly deserve our warm thanks, so please let them hear our appreciation with a great applause.

We thank you all for having attended this meeting and for your contributions to INHIGEO!

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## Conference News

### IGC 2024

The 37<sup>th</sup> International Geological Congress (IGC 2024) takes place August 25–31, 2024, at BEXCO, Busan, Republic of Korea. The congress website is <http://www.igc2024korea.org/>

#### Deadlines:

Abstract submission until February 16<sup>th</sup>, 2024

Early Bird registration is due until April 26<sup>th</sup>, 2024.

You will find the following INHIGEO sessions in the scientific programme of the Congress website: INHIGEO has submitted five session proposals and one workshop for the Congress:

Under T27: Geoheritage, Geopark, and Geotourism

- **Session 3: Geosites and georoutes in the history of geological sciences** (chaired by Ezio Vaccari and Martina Kölbl-Ebert)

Under T38: Anthropocene

- **Session 1: Anthropocene: Historical and Philosophical Perspectives** (chaired by Claudine Cohen, Ernst Hamm and Andrea Candela)

#### Call for abstracts for IGC symposium T38: Anthropocene, Session 1 **Anthropocene: Historical and Philosophical Perspectives**

Historical disciplines, and more specifically the history and philosophy of science, have recently launched a variety of studies on the genesis, historical genealogies and development of the Anthropocene event and concept. Research in the history of geological sciences can provide, in many ways, useful contributions to the current debate on the history, definition and possible establishment of the new epoch called Anthropocene.

Several classic studies in the historiography of the Earth sciences have been focused on the scientific, philosophical and socio-political contexts of the definition of

new geological epochs from the 19th century to date. Moreover, the history of geosciences can help shed light on the interactions between geosphere and anthroposphere from a historical perspective. It can help to reconstruct the history of those "theories of the Earth", especially as a complex system, in relationship with the recent notion of Anthropocene.

The aim of this session is to invite papers from different perspectives in sciences and humanities, in order to contribute to defining the concept of Anthropocene and evaluate it within the history of geosciences. This session is sponsored by the IUGS International Commission on the History of Geological Sciences (INHIGEO).

Abstracts between 200-500 words to be submitted on the IGC website.

Some of the questions that the papers in this session might address are:

Do early theories of the earth, such as those of Leibniz, Buffon and Hutton, offer insights on current attempts to define the Anthropocene?

Are there precursors to the Anthropocene (e.g. in the work of Marsh, Suess, Vernadsky and Teilhard de Chardin)? Or is the search for precursors a misleading form of presentism?

In what ways does the concept of the Anthropocene allow for new kinds of approaches in the history and philosophy of the geosciences?

In what ways does the Anthropocene allow for new historical questions that will better reveal the social relations and interactions between fields such as geology, soil science, atmospheric science and chemistry?

In what ways has the classification and identification of geological epochs shaped the geosciences?

What are the geopolitics of the Anthropocene?

Does historical work on earlier debates over the definition of geological epochs offer insights on current controversies about the Anthropocene?

Is the Anthropocene an attempt to make the geosciences relevant?

What is in a word? The word "Anthropocene" has been subject to much criticism from many different perspectives. Are there better alternatives?

#### Under T40: History of Geological Sciences

- **Session 1: History of women in geology: trailblazers, leaders and those in the shadows** (chaired by Kathleen Histon and Martina Kölbl-Ebert)
- **Session 2: History of geoscientific travels in Asia and beyond** (chaired by Ezio Vaccari, Toshihiro Yamada and Carol Bacon)
- **Session 3: General contributions to the history of geological sciences** (chaired by Martina Kölbl-Ebert and Ezio Vaccari)

#### In the workshop programme

- Workshop 22 on **Hidden histories in the geological sciences** (as an open forum organized by Maddalena Napolitani and Victor Monnin)

There will also be an INHIGEO fieldtrip to Japan (information courtesy of Michiko Yajima and Toshihiro Yamada):

#### Northern Kyushu excursion in Japan

Sunday, September 1<sup>st</sup>:

13:30 gathering at Busan Port, Republic of Korea

15:00 departure for Fukuoka, Japan

18:40 arrival at Hakata Port in Fukuoka  
stay in Fukuoka

Monday, September 2<sup>nd</sup>: Shimabara Geo Park

Fukuoka to Shimabara via Arita  
visiting Imaemon Porcelain Kiln in Arita  
lunch near Shimbara Castle  
after lunch Shimabara Geo Park, Mt. Unzen volcano area  
stay at Shimabara onsen (hot spring)

Tuesday, September 3<sup>rd</sup>: Nagasaki City

Shimabara onsen to Nagasaki  
visiting Unzen Jigoku (hell, sulfur spa)  
sightseeing in Nagasaki (Atomic bomb site, Nagasaki Museum of History and Culture)  
stay at Nagasaki

Wednesday, September 4<sup>th</sup>:

saying goodbye after breakfast

**Please note:** Registration to this fieldtrip will be handled by the Japanese organizers, sponsored by JAHIGEO. We will inform you about the procedures in due time. You will not find this fieldtrip on the IGC website.

## **Funding to attend the IGC 2024**

Support for young scientists to attend the 37<sup>th</sup> International Geological Congress Busan, Korea, 25-31 August 2024

Call for Applications

Deadline: 1 March 2024

### **Hutchison Young Scientists Foundation**

Through the vision and inspiration of William W. Hutchison, IUGS Secretary General (1976-1980) and IUGS President (1984-1987), the Hutchison Young Scientists Foundation was established by the International Union of Geological Scientists to promote the professional growth of deserving, meritorious young scientists from around the world by supporting their participation in important IUGS-sponsored conferences, particularly the International Geological Congress. With funds from the Hutchison Foundation, the IUGS intends to support the participation of as many as 15 young scientists at the 37<sup>th</sup> IGC. This is a call for applications.

- Those eligible for support are early career geoscientists, not 'students', that is persons typically under 35 years of age.
- Those in academia, industry and government are eligible to apply.
- Applications must be supported by a personal statement (motivation letter, if you will) setting out why they are applying, describing what they do professionally, and how they see attendance at the 37<sup>th</sup> IGC benefitting them in advancing their career.
- Applicants must have submitted an abstract to the Congress and include a copy of it with their application. The deadline for submission of abstracts to the 37<sup>th</sup> IGC is 16 February 2024.
- Applicants must include their CV.

Submit applications to IUGS Secretary-General Stanley Finney at [Stan.Finney@csulb.edu](mailto:Stan.Finney@csulb.edu) by 1 March 2024. Decisions to be made and recipients notified by 15 March 2024.

### **Geohost Support Program**

The GeoHost Support Program is designed to enable deserving geoscientists and geoscience students to participate in the International Geological Congress (IGC). See: <https://www.igc2024korea.org/content/14400>

### **INHIGEO Grants**

INHIGEO will be able to support students, young scholars and INHIGEO members from poorer countries without other funding sources with up to 6 grants amounting to 300 Euros each, provided they contribute to one of the above mentioned INHIGEO sessions. Students and young scholars do not need to be INHIGEO members. Please contact the INHIGEO secretary general for details: [m.koelbl@lmu.de](mailto:m.koelbl@lmu.de)

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## **DHST Global History of Science and Technology Festival '23 (online)**

The Division of History of Science and Technology of the International Union on the History and Philosophy of Science, has organized a 22-hours Global History of Science and Technology Festival, which will take place online between 28 and 30 September 2023.

The DHST Global History of Science and Technology Festival '23 goes live on September 29, 00.01 a.m. UTC (Coordinated Universal Time) and moves once around the globe until 10 p.m. UTC.

The program features 56 speakers based in 37 countries from around the world. It will be a unique opportunity for all of us to listen to a multitude of voices offering perspectives on the central theme of "The Future of History of Science and Technology / History of Science and Technology for the Future." INHIGEO is represented by its president Ezio Vaccari at 6 p.m. (UTC).

Everyone is welcome to join free the festival, which will be hosted on the Zoom events platform. In order to join, you need to register for free from the events website.

### **Final program and free registration link:**

<https://dhst-festival.sciencesconf.org/resource/page/id/10>

To register click the button "Join the festival".

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## **INHIGEO sponsored conferences and sessions**

### **Histories of Earth Sciences: Visual and Interdisciplinary Approaches amid an Environmental Crisis**

*Varese (Italy) June 6<sup>th</sup> 2023.*

A one-day conference sponsored by INHIGEO, organized by members Maddalena Napolitani (Italy) and Victor Monnin (France), was hosted by the Center for the History of the Mountains, Material Culture and Earth Sciences of the University of Insubria in Varese. Themes pursued two related objectives: (1) considering new interdisciplinary approaches to study the history and the images of Earth sciences and (2) reflecting on the responsibilities that come with studying the history of Earth sciences amid a global, environmental crisis. Eleven speakers representing 8 countries across Europe, Africa and North America took part in this lively and highly interesting forum for young PhD students and early career scholars interested in the



history of the geological sciences with talks elaborating on aspects of visual, literary, archival and material sources.



Group photo of speakers in front of Villa Toeplitz where the Center for the History of the Mountains, Material Culture and Earth Sciences is located (Varese, Italy), together with the director of the centre Ezio Vaccari (INHIGEO President).

**INHIGEO sponsored History of Volcanology session at the 28<sup>th</sup> International Union of Geodesy and Geophysics (IUGG) General Assembly, Berlin, Germany, 17th July 2023**  
***V10 History of Volcanology and Historical Volcanology***

INHIGEO members Claudia Principe (Italy) and Martina Kölbl-Ebert (Germany) organized a history of volcanology session at the 28<sup>th</sup> IUGG on behalf of the IUGS INHIGEO. This cross-disciplinary symposium forms part of our outreach activities where we interact with scientific congresses in order to raise awareness of the history of our science.

11 papers were presented on topics ranging from history of experiments, models, paintings and archives/publications of volcanic eruptions together with historical studies of eruptions and their effects on society and scientific theory related to Laki, Vesuvius, Etna, Phlegrean Fields, Ries Crater, St. Vincent, Montserrat and Dominica. The session aroused great interest among the congress participants who crowded the session room to hear the historical talks and question the speakers – great result by all involved in raising awareness in the history of our science!!



Co-conveners Claudia Principe (Member INHIGEO Italy) and Martina Kölbl-Ebert (INHIGEO Secretary-General) with Ezio Vaccari (INHIGEO President) at the IUGG in Berlin (July 2023).

## INHIGEO *Annual Record*

The 2023 INHIGEO *Annual Record* (for the year 2022) is now available from the INHIGEO website: <https://www.inhigeo.com/record/55.pdf>

## *Episodes*

If you are interested in contributing a paper or book review related to the History of the Geological Sciences to IUGS journal Episodes please contact the INHIGEO Publications and Outreach Coordinator: <https://www.inhigeo.com/board.html>

## Anniversaries Series for the IUGS Website and E Bulletin

New papers published:

Patrick N. Wyse Jackson (IRELAND), Duncan Hawley (UK)

***Geological map of Ireland 170 years ago:***

***Richard Griffith's small scale geological map of Ireland (1853.***

Richard John Griffith (1784–1878) was amongst the foremost geologists working in Ireland in the nineteenth century and is best remembered for the Rateable Valuation surveys of the country. Surveyors employed by Griffith were provided with Ordnance Survey six-inch to the mile maps and a slim volume of instructions. In all editions of the Instructions starting from 1833 information was provided on soil types and how they might be recognised and described. The quality of the soil was an important factor that fed into the valuation calculation of land. However, there were no specific requests to gather geological information on the solid geology. Why then, did he include a geological map in the edition of 1853?

IUGS E-Bulletin 198, June-July 2023;

[https://www.inhigeo.com/anniversaries/Wyse\\_Jackson,\\_P.\\_N.,\\_Hawley,\\_D.\\_Griffith's\\_Map\\_of\\_Ireland\\_170\\_years\\_ago.pdf](https://www.inhigeo.com/anniversaries/Wyse_Jackson,_P._N.,_Hawley,_D._Griffith's_Map_of_Ireland_170_years_ago.pdf)

Toshihiro Yamada (Japan)

***Great Kanto Earthquake 100 years ago:***

***Omori Fusakichi: Witness at the 2nd Pan-Pacific Science Congress of the Great Kanto Earthquake in 1923***

A large earthquake struck the southern Kanto area of Japan at noon, 1 September 1923. The network of seismometers indicated the epicentre as being located at Sagami Bay and a 7.9 magnitude earthquake. However, the ‘earthquake master’ Omori Fusakichi was absent at that time from Japan. He was in Australia attending the Pan-Pacific Science Congress.

IUGS E-Bulletin 199, August 2023;

[https://www.inhigeo.com/anniversaries/Yamada\\_T.\\_Great\\_Kanto\\_Earthquake\\_100\\_years\\_ago.pdf](https://www.inhigeo.com/anniversaries/Yamada_T._Great_Kanto_Earthquake_100_years_ago.pdf)

Geir Hestmark (Norway)

***Discovery of the Ice Age 200 years ago:***

***How Jens Esmark discovered the ice age in 1823 – serendipity and a prepared mind***

When Jens Esmark (1762–1839) (Fig. 1) in mid-June 1823 set out from the Norwegian capital on a three month long voyage, he certainly had no intention of discovering the Ice Age. When he claimed to present incontestable evidence that Norway and Northern Europe had once been covered by large ice sheets, enormous glaciers carving out valleys and fjords, polishing cliffs and transporting erratic boulders, only a few savants took his claim seriously.

IUGS E-Bulletin 200, September 2023;

[https://www.inhigeo.com/anniversaries/Hestmark\\_G.\\_Discovery\\_of\\_the\\_Ice\\_Age\\_by\\_Esmark\\_J.\\_200\\_years\\_ago.pdf](https://www.inhigeo.com/anniversaries/Hestmark_G._Discovery_of_the_Ice_Age_by_Esmark_J._200_years_ago.pdf)

If you are interested in submitting contributions for this series, please contact the INHIGEO Publications and Outreach Coordinator.

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## Early Career Research Profiles

This profile series on young members of INHIGEO is to create a space where early career scholars can present their studies and research interests within the history of the geological sciences to the whole membership and anyone who receives the newsletter, in order to highlight their field of expertise. It is hoped this will lead to contacts and collaborations for the future through our extensive network. Our profile this month is on Sandra Klos, a PhD student from Austria.

**Name:** Sandra Klos

**Studies:**

BA, University of Heidelberg, 2016

MA, University of Vienna, 2019

PhD program, University of Vienna, since 2020.

**Title of Ph.D.:**

*Between Documentation and Self-fashioning. CVs from Members of the Austrian Academy of Sciences, 1847–1955.*





**Research interests:** In my research, I am looking at actors of knowledge. I examine the autobiographies of members of the Austrian Academy of Sciences in order to better understand and describe scientific career paths and narrative patterns of self-descriptions. I have accumulated more than 180 CVs in total from the late 19th century to the early 20th century. By comparing them, I am able to extract recurring themes and career-building strategies.

First, I identify supporting and inhibiting factors regarding social backgrounds, networks, entry points into professional scientific careers, and promotions. Additionally, on a discursive level, I ask how this information is being presented in the context of life writings: “To which end are certain events, people, and experiences mentioned in the context of a CV?” and “Which social and epistemic values are being communicated through these descriptions?”

Through my research project, I argue that the autobiographies of accomplished professionals in the natural sciences and humanities reveal the discursive tension between different forms of knowledge, their epistemologies as well as the importance of informal scholarly networks. They often present as bold opinion pieces, social commentary, and strategic maneuvers to impress, justify or inscribe oneself into the history of science as being important and memorable. Thus, the history of science when approached from the perspective of individual agents, can contribute to a wider context of social history.

Since Vienna had a strong emphasis on geosciences in the long nineteenth century, with important academy members such as Wilhelm Haidinger, Eduard Suess, or Albrecht Penck, my research is especially relevant in these fields of knowledge.

In the history of geology, I am especially interested in self-fashioning strategies, fieldwork compared to desk work, and gender-related issues.

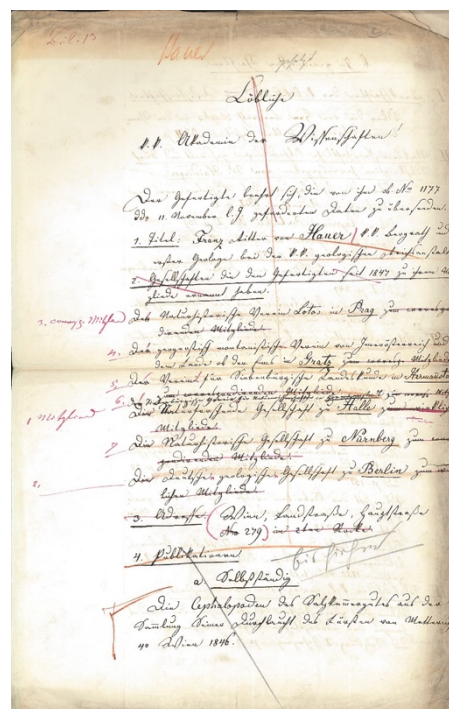


Fig. Franz von Hauer's personal file at the Austrian Academy of Sciences.

## Publications:

(Un)Freedom of choice. Explanations for career choices in mid-20<sup>th</sup> century Austrian academic CVs, in: *Studia historica Brunensia* 69/2 (2022), p. 201–213, <https://doi.org/10.5817/SHB2022-2-8>.

Contested memories and memorable continuities. Austrian Geographer Hugo Hassinger (1877–1952) and his legacy within speleology, in: Bernard Chiol/Jörg Dreybrodt/Florian Guillot/Johannes Mattes/Pierre-Olaf Schut/Anne-Laure Vullien/Silvian Yart (ed.): *Proceedings of the 18<sup>th</sup> International Congress of Speleology*, Volume II/VI, Savoie Mont Blanc 2022, p. 217–220. [https://uis-speleo.org/wp-content/uploads/2022/09/ACTES\\_CONGRES\\_UIS\\_WEB\\_VOLUME\\_2.pdf](https://uis-speleo.org/wp-content/uploads/2022/09/ACTES_CONGRES_UIS_WEB_VOLUME_2.pdf)

(together with Doris A. Corradini and Brigitte Mazohl) Störfall Gender. Weibliche Mitglieder – wissenschaftliche Mitarbeiterinnen – Förderpolitik – Forschungsperspektiven, in: Johannes Feichtinger/Brigitte Mazohl (ed.): *Die Österreichische Akademie der Wissenschaften 1847–2022. Eine neue Akademieggeschichte*, vol. 3, Wien 2022, p. 63–175. <https://doi.org/10.1553/978OEAW90516>

**Contact:** Sandra Klos, Bäckerstraße 13, 1010 Vienna, Austria, Email: [Sandra.klos@oeaw.ac.at](mailto:Sandra.klos@oeaw.ac.at)

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## INHIGEO Early Career Award

The INHIGEO Early Career Award, for the best presentation during the annual symposium by a young scholar under age 35, was presented during the INHIGEO Business Meeting on 4<sup>th</sup> August 2023 by Martina Kölbl-Ebert (INHIGEO Secretary-General) and Ezio Vaccari



(INHIGEO President) to Daniele Musumeci (INHIGEO member for Italy) for his presentation *Scientific paradigms and complexity in modern and contemporary volcanology: the contribution of the studies on Mt. Etna and Mt. Vesuvius* at the recently held 48<sup>th</sup> INHIGEO Symposium at the AGH University of Science and Technology in Cracow, (Poland) during July 31<sup>st</sup> July -August 4<sup>th</sup> 2023.

**Congratulations!**

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## Exhibition in Paris

The exhibition ["Collectible Minerals"](#) at the **Museum of Mineralogy of the École des Mines in Paris** (60, Blvd Saint-Michel, 75006) has been co-curated by INHIGEO member Maddalena Napolitani. The exhibition can be viewed from September 6<sup>th</sup> 2023, until March 9<sup>th</sup> 2024:

## Press release

For immediate diffusion



## Exhibition "Collectible Minerals" from September 6, 2023

### THE MINERALOGY MUSEUM OF MINES PARIS - PSL REVEALS NEW TREASURES

[Paris, FRANCE on August 16, 2023]

The Mineralogy Museum of the Mines Paris - PSL presents, from September 6<sup>th</sup> 2023 until March 9<sup>th</sup> 2024, an innovating exhibition entitled "Collectible Minerals" ("*Minéraux: objets de collection*"). On this occasion, the museum reveals the secrets of its treasures and their acquisition through more than two centuries: gemstones, minerals, rocks, meteorites, fine art objects, each of those having a prestigious pedigree.

Minerals raise fascination and greed: they are exploited to serve the industry, gathered on the field for their scientific interest, collected as objects of natural art. With its **230 years of history**, the Mineralogy Museum of the Mines Paris - PSL witnesses all of these different features and recounts the long history of its collections and their constitution, through the exhibition "**Collectible Minerals**".

For the first time in its modern history, the museum opens its storages and drawers to reveal several hundreds of mineral samples acquired through purchases, field collecting, revolutionary seizures, donations, exchanges and heritage preservation. In the museum's gallery, the showcases dedicated to the exhibition "Collectible Minerals" present exceptional objects and the human histories related to them. Among these objects and their histories, on the occasion of this unique exhibition visitors could discover for example **the gemstones of the French crown jewels**

**saved from their auction sale in 1887, mineral collections having belonged to renown scientist such as Dolomieu, rocks collected during the expedition in the northern seas by Prince Napoleon in 1856.** "Collectible Minerals" also reveals some fine art objects, such as the Chinese objects from the collection of Henri Bertin, minister of Louis XV, which were seized during the French Revolution.

Aside the historical and scientific aspects, **these collections also present, since their creation, strategic issues:** they allow to identify and map the territories' resources and to organize their exploitation. Thus, the mineral ores of lithium and cobalt presented in the exhibition are nowadays the core of the issues related to the energetic transition. This historical collection is therefore a precious instrument for materializing and talking about the strategic, economic and environmental issues that govern our present and shape our future.



"Collectible Minerals" is an immersive and education experience that highlights the beauty of minerals and explore their scientific cultural and historical significance. The exhibition is aimed at both novice and experienced visitors, from those who have already slipped a pebble into their pocket to those with a passion for natural science, art and culture. The exhibition is an initiative of the Mineralogy Museum of Mines Paris – PSL, realized thanks to the support and patronage of L'ÉCOLE, School of Jewelry Arts.



#### Practical information

**Place:** Musée de Minéralogie  
Mines Paris - PSL

**Dates:** September 6<sup>th</sup> 2023 - March 9<sup>th</sup> 2024

**Address:** 60 bd St-Michel, 75006 Paris, FRANCE

#### Opening times:

Tuesday: 10am – 12pm and 1:30pm – 6pm

Wednesday to Friday: 1:30pm – 6pm

Saturday: 10am – 12:30pm and 2pm – 5pm

01 40 51 91 39 / [musee@minesparis.psl.eu](mailto:musee@minesparis.psl.eu)

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Images for the press available here:

<https://cloud.minesparis.psl.eu/index.php/s/iwAwhnMUUquXISU>

Credits: Musée de Minéralogie Mines Paris – PSL.

#### About the Mineralogy Museum

Created in 1794, the mineralogy collection of the Mines Paris – PSL is one of the most comprehensive in the world, with 100,000 samples in the collection and 5,000 on display, including over a thousand mineral species. Meteorites, rocks, gems and artificial materials are also included. The samples are the fruit of almost 230 years of collecting and inventorying the mineralogical diversity of the Earth and the Universe.

#### About L'ÉCOLE, School of Jewelry Arts

Founded in 2012 on the initiative of Van Cleef & Arpels, L'ÉCOLE, School of Jewelry Arts is dedicated to sharing jewelry culture with the general public, across eras and civilizations. Through its courses, lectures, exhibitions, publications and research projects, L'ÉCOLE opens the doors of this all-too-long-secret art to everyone.

Since 2020, L'École des Arts Joailliers has been supporting the development of the Mineralogy Museum at Mines Paris – PSL, including the exhibition "Collectible minerals".

#### About Mines Paris – PSL

Mines Paris – PSL, also known as L'Mines Paris – PSL, is part of the PSL University. It trains engineers that are also excellent international scientists, and who are capable of meeting the challenges of tomorrow. Among the strategies and aims of Mines Paris – PSL, one is to be a key actor within the fields of innovation and entrepreneurship, and that of the energetic transition. The institution is also a reference for the study of new and ecologic materials and technologies, mathematics and digital engineering, all working for the transformation of the industry, including the sanitary one. At the same time, since its creation in 1783, Mines Paris – PSL still remains faithful to its value of solidarity and opening towards society.

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## A new virtual exhibition

The Library and the Department of Geosciences and the Museum of Nature and Humankind of the University of Padua, Italy, with the scientific supervision of INHIGEO Italian member Guido Roghi, with Luca Giusberti and Alberto Lonigo, has organized the virtual exhibition

### **Achille De Zigno (1813–1892): geologist, palaeontologist and politician**

which can be visited at the link: <https://mostre.cab.unipd.it/dezigno/en/1/home> (in English)

Through a selection of printed works, unpublished manuscripts, archival documents and fossils, the visitor will discover Achille De Zigno's life, work and legacy as geologist and palaeontologist, his tireless researching and writing, remarkable meticulousness, extraordinary network of relationships and international reputation.

De Zigno's bibliographic and geopalaeontological collections are preserved at the Geosciences Library and in the Section of Geology and Paleontology of the Museum of Nature and Humankind (MNU) of the University of Padua. In 2021 De Zigno's heirs donated his private archive, which the exhibition aims to enhance.

Presentation of the exhibition (in Italian): <https://youtu.be/E2jLBDciYuc?feature=shared>

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## Job Offer at the University of Vienna

For my ERC project at the University of Vienna, I am looking to fill the following positions:

- 1 Postdoctoral Researcher (full-time, 4 years): <https://jobs.univie.ac.at/job/Postdoctoral-Researcher-in-Early-Modern-History/975120201/>
- 2 PhD Positions (0,75 FTE, 4 years): <https://jobs.univie.ac.at/job/2-PhD-Positions-in-Early-Modern-History/975120501/>

The deadline is 26 October 2023, and contracts can start between 1 January and 31 October 2024.

SCARCE (Sustained Concerns: Administration of Mineral Resources in Central Europe, 1550-1850) is working at the intersection of history of science and technology, social and economic history, and environmental history (<https://scarce.univie.ac.at/>). It provides a critical history of today's stakeholder conflicts by showing how contradictory principles of resource management – economic development, sustainability, and technological innovation – were forged in proto-industrial settings. It explores early modern ways of provisioning for communities, making them available for current debates on environmental degradation and climate emergency.

A range of profiles (history of science, technology, medicine, gender, environmental, social, economic) would fit for the positions, and candidates are encouraged to propose their own project based on own interest and expertise. Linguistic skills will be a key selection criterion, as much of the sources and literature are in German and other (East) Central European languages, but there is room for improving languages on the job and taking a transregional approach with additional archives elsewhere. I am happy to speak meet informally and discuss project ideas ([sebastian.felten@univie.ac.at](mailto:sebastian.felten@univie.ac.at))

Best wishes, Sebastian Felten

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## Contact Details of the Current INHIGEO Board

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## Next Circular

Dear INHIGEO members, you will receive the next circular with information updates around December 21<sup>st</sup>. Until then: Take care and stay healthy!

Kind regards  
Martina Kölbl-Ebert