



**NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA**

**INSTITUTE OF GEOLOGICAL SCIENCES**

**42<sup>nd</sup> INTERNATIONAL COMMISSION ON THE HISTORY OF GEOLOGICAL  
SCIENCES (INHIGEO) SYMPOSIUM**

**YEREVAN, ARMENIA, 12-18 SEPTEMBER 2017**

**50<sup>th</sup> Anniversary of INHIGEO 1967-2017**

INHIGEO was established during the International Symposium on the History of  
Geology held in the Armenian National Academy of Sciences in Yerevan, Armenia  
in 1967

**CONFERENCE PROGRAM**



**YEREVAN – 2017**

## CONFERENCE PROGRAM

**13-15 September, ROUND HALL OF PRESIDUM OF THE NATIONAL  
ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA**

**13 SEPTEMBER**

**08:00-09:00 REGISTRATION**

**09:00-10:30 Introduction and Welcome address by**

Prime Minister of Armenia, Mr. Karen Karapetyan

President of the National Academy of Sciences of Armenia, Academician Radik Martirosyan

Academician of the National Academy of Sciences of Armenia, head of INHIGEO-2017 Organizing Committee, Academician Ruben Jrbashyan

President of INHIGEO, Prof. Barry Cooper (Presentation: The beginnings of INHIGEO)

Head of Department for the History of Geology of Geological Institute of the Russian Academy of Sciences, Dr. Irena Malakhova

**10.30 -11.00 *Anniversary book launch- History of Geoscience: Celebrating 50 Years of INHIGEO*; Edited by W. Mayer, R.M. Clary, L.F. Azuela, T.S. Mota and S. Wolkowicz (Geological Society London Special Publications, Series, London, 2017)**

*Master of Ceremonies*: Barry Cooper (President of INHIGEO); Marianne Klemun (Secretary General of INHIGEO) - History of Geology and History of Science in a global frame

*Presenter of the book*: Teresa Salome Mota-The INHIGEO 50<sup>th</sup> Anniversary Volume: a Post-Scriptum

**11:00-11:30 Coffee break**

### **Session I, Chairperson: Prof. Phillipe Taquet**

**11:30-11:50 M. Sosson.** *A. Karakhanyan, T. Kangarli, Sh. Adamia, V. Starostenko, T. Danelian, H. Phillip, J. F. Ritz, Y. Rolland, M. Hässig, D. Bosch, B. Smith, M. Meijers, A. Avagyan, L. Sahakyan, Gh. Galoyan, R. Melkonian, N. Sadradze, V. Alania, O. E nukidze, T. Yegorova, O. Gintov, A. Murovskaya, Y. Sheremet.* The highlights and the contribution of International Research Group (IRG) "South Caucasus Geosciences": France, Armenia, Azerbaijan, Georgia and Ukraine

**11:50-12:10 G. Malkhasyan.** Edward Malkhasyan - the first INHIGEO member in Armenia

**12:10-12:30 Kh. Meliksetian.** Prehistoric use of ores and obsidian in the southern Caucasus

**12:30-12:50 A. Piliposyan, Kh. Meliksetian.** Tranzit trade of tin in ancient Near East in Bronze Age and Armenian Highland

### **12:50-13:50 Lunch break**

### **Session II, Chairperson: Dr. Khachatur Meliksetian**

**13:50-14:10 G. Gabrielyants, V. Poroskun.** The history of scientific foundations of oil exploration (battle of ideas, theories and concepts)

**14:10-14:30 R. Jrbashyan, G. Khomizuri.** History of geological knowledge in the works of medieval Armenian authors

**14:30-14:50 R. Melkonyan.** The role of Institute of Geological Sciences of NAS RA in the history of geology in Armenia

**14:50-15:10 H. Melik-Adamyanyan.** Research in the Crimea, the Caucasus and Armenia by Armenian geologist N.I. Karakash

**15:10-15:30 G. Grigoryan, S. Avagyan.** The role of Geological Museum after Hovhannes Karapetyan of IGS NAS RA in the history of geology in Armenia

**15:30-15:50 A. Grigoryan, H. Melik-Adamyanyan.** Contribution of European paleontologists to the study of Paleozoic deposits of the Armenian Highlands (XIXc)

**15:50-16:10 K. Vardanyan, G. Hovsepyan.** The history of Geological Survey of the Republic of Armenia

**16:10-16:30 A. Avanesyan.** An overview of the history of geological mapping in Armenia

**16:30-17:00 Coffee break**

**Session III, Chairperson: Dr. Johannes Mattes**

**17:00-17:20 E. Vaccari.** Between insiders and outsiders: INHIGEO and the history of geology in Italy

**17:20-17:40 M. Yajima.** Geological and Palaeontological Studies by Teiichi Kobayashi (1901-1997)

**17:40-18:00 E. Hamm.** Mountains, Romantics, Geology

***Announcement about the 43<sup>rd</sup> International Commission on the History of Geological Sciences***

## 14 SEPTEMBER

### Session IV, Chairperson: Prof. Ernst Hamm

**09:00-09:20 Gh. Galoyan.** History of geological studies of Mesozoic ophiolites of the Lesser Caucasus (Armenia, Karabakh)

**09:20-09:40 C. Cohen.** Deluge, Diluvialists and Diluvium in early Geology, From Leibniz to Cuvier and beyond

**09:40-10:00 G. Godard.** The Accademia dei Lincei and the early geology around the year 1630

**10:00-10:20 I. Malakhova.** Some features of the history of geology in Russia

**10:20-10:40 J. Mattes.** Between the Organic and Inorganic: Concepts of an Animated Earth in the Debates on Cave Minerals in Early Modern Europe

**10:40-11:00 M. Klemun.** How the Caucasus became 'our' Caucasus: from geology to alpinism

### 11:00-11:30 Coffee break

### Session V, Chairperson: Prof. John Diemer

**11:30-11:50 L. F. Azuela, R. A. Vega.** Geology in the public sphere in Mexico (1840-1876)

**11:50-12:10 M. Povarennykh.** Changeover of mineralogical paradigms during the 350-year period of the existence of mineralogy as a science

**12:10-12:30 P. Richet.** 1751-1798: The sudden beginnings of volcanology

**12:30-12:50 P. Konečný.** Between Cameralism and Natural Science: Wernerian Geognosy and Exploration of Mineral Resources in Hungarian Mining Administration during the first half of the 19th Century

### 12:50-13:50 Lunch break

### Session VI, Chairperson: Dr. Irena Malakhova

**13:50-14:10 R. M. Clary, T. Sharpe.** The furthest end of the earth: The role of geological research in Antarctic exploration, 1895-1922

**14:10-14:30 S. Wołkowicz, K. Wołkowicz, M. Graniczny, H. Urban.** Evolution of geological map of Poland in the 19th century

**14:30-14:50 S. Rowland.** Mikhail Lomonosov's unusual mid-eighteenth-century view on the beneficent effect of earthquakes on human civilization

**14:50-15:10 A. Kazarian.** The challenge of geochemical earthquake prediction- History of the problem

**15:10-15:30 R. Schwab, Kh. Meliksetian, S. Kraus, E. Pernicka.** Extraordinary arsenic-rich alloys used for jewellery in Bronze Age Armenia

**15:30-15:50 A. Rideaud, B. Helly.** Ancient Buildings and Seismic Cultures: The cases in Armenia

**15:50-16:10 A. Avagyan, L. Sahakyan, M. Martirosyan, T. Atalyan, A. Hayrapetyan.** Palaeoseismological evidences of strong earthquake repetition in Shirak basin

#### **16:10-16:40 Coffee break**

#### **Session VII, Chairperson: Dr. Michael Johnston**

**16:40-17:00 C. Guerra.** The Dog's Grotto: Geological inquiries for a mysterious gas (18<sup>th</sup>-19<sup>th</sup> centuries)

**17:00-17:20 A. Carneiro, P. Urze.** Nery Delgado (1835-1908): The diplomatic dimension of a geologist's career

**17:20-17:40 B. Cooper, J. Jago.** Robert Bedford (1874-1951): A unique contributor to international geology from the Australian outback

**17:40-18:00 D. Sack.** C.A.M. King, pioneering (woman) geomorphologist

***Presentation by the Government of the Republic of Armenia"- Implementation process of Armenia to the International Extractive Industries Transparency Initiative (EITI)"; Presentation of Digital geological fund: [www.geo-fund.am](http://www.geo-fund.am)***

## 15 SEPTEMBER

### Session VIII, Chairperson: Dr. Sharad Master

**09:00-09:20 H. Urban, M. Graniczny, K. Wołkowicz, S. Wołkowicz.** Professor Edward Rühle (1905 – 1988), creator of the Polish modern geological cartography

**09:20-09:40 J. Diemer.** Fossils, maps, museums and collaboration: keys to success in Murchison's 1845 field campaign in Sweden.

**09:40-10:00 K. Wołkowicz, M. Graniczny, S. Wołkowicz, H. Urban.** Splendors and shadows which is about the life of Jan Wyżykowski (1917 – 1976) and the discovery of the "great copper" in Poland

**10:00-10:20 L. Kolbantsev.** Vladimir Lodochnikov and Russian Petrographic Schools

**10:20-10:40 M. Napolitani.** Building Earth Sciences through Mineral Collections. The Mineralogy Museum of the Parisian École des Mines, from the Curiosity Cabinet to the Science Museum (1783-1803)

**10:40- 11:00 M. Pantaloni, F. Console, F. M. Petti.** On the trail of Hermann Abich in Italy: a journey through the Italian volcanoes

### 11:00-11:30 Coffee break

### Session IX, Chairperson: Prof. Ezio Vaccari

**11:30-11:50 M. Kölbl-Ebert.** Closing the iron curtain: How geologists in Germany experienced the beginnings of the Cold War era

**11:50-12:10 N. Bryanchaninova, I. Vtorov, A. Makeyev.** Transcaucasian academic expedition (1927-1930) led by F. Loewinson-Lessing

**12:10-12:30 Ph. Taquet.** Joseph Pentland and Georges Cuvier: A French - British Entente cordiale

**12:30-12:50 Sh. Master.** South African geologist Alex L. Du Toit, pioneer of continental drift, in the Caucasus (17<sup>th</sup> IGC, July, 1937) - diaries and photographs of an excursion

## **12:50-13:50 Lunch break**

### **Session X, Chairperson: Prof. Stephen Rowland**

**13:50-14:10 S. Figueirôa.** A 'Hidden figure': Oscar Nerval De Gouvêa (1856-1915), Mineralogy & Medicine in Brazil

**14:10-14:30 S. Nathan.** James Hector (1834-1907) and the birth of the New Zealand geological survey

**14:30-14:50 T. S. Mota.** Francisco Luís Pereira de Sousa (1870—1931): the scientific life of a 'everyday man of science' in Portugal in the beginning of the 20th century

## **14:50-15:20 Coffee break**

### **Session XI, Chairperson: Prof. Gaston Godard**

**15:20-15:40 T. Yamada.** The meaning of museums: The background of the geologist Teiichi Kobayashi's 'geoscience' conception in the 1940s

**15:40-16:00 Z. Bessudnova.** The heritage of the author of the first Russian monograph on the history of geology Grigory E. Shchurovsky in the collections of Vernadsky State Geological Museum

**16:00-16:20 M. Adiuku-Brown, O. Adiuku-Brown.** The impact of ancient knowledge of stones and metals on Africa

**16:20-18:00 POSTER SESSION, Chairperson: Prof. Dorothy Sack**

**G. Grigoryan, G. Khomizuri, M. Misakyan.** L. A. Spendiaryov Prize

**H. Hovakimyan.** Historical overview of diatom records from Sisian palaeolake (Armenia)



**H. Melik-Adamyán.,** *Kh. Khachanov.* Initial stages of mining and geological studies of the ancient Armenian region of Artsakh

**I. Malakhova.,** *I. Vtorov.* It began with Yerevan

**L. Kolbantsev,** *Z. Bessudnova,* Personalities of INHIGEO: from Madrid (2010) to Cape Town (2016)

**M. Martirosyan,** *A. Avagyan, S. Vardanyan, T. Grigoryan.*  
Paleoseismological studies of the eastern part of Karkar-Tsghuk pull-apart of Pambak-Sevan-Syunik active fault

**R. Melkonyan,** *L. Atayan.* The outstanding mineralogist and petrologist Vladimir Nikita Lodochnikov (Vardan Mkrtych Gayakchyan)

**S. Vardanyan,** *R. Mirijanyan, H. Hovakimyan.* Interpretations of geological structures of Vedi -Yeghegnadzor area over the past century

**Sh. Master.** Geomorphological theory in 10th century Basra (Iraq): The epistles of the brethren of purity (Ikhwan Al-Safa), in geographical context

**S. Wołkowicz,** *K. Wołkowicz.* Geological map of the Kerch and Taman Peninsulas (1851) – Interesting map developed by Hermann Abich (1806-1886)

**M. Graniczny,** *S. Wolkowicz, H. Urban, K. Wołkowicz.* Jan Samsonowicz (1888 – 1959) outstanding Polish explorer and educator of the several generations of geologists

**T. Atalyan,** *A. Avagyan, D. Arakelyan, M. Martirosyan.* Geological impact on St. Hovhannes Karapet Monastery

**18:00 INHIGEO business meeting**

**Business meeting of the Russian Group of INHIGEO**

**20:00 Conference dinner at Pandok Yerevan Restaurant**