

The evolution of the International Geoscience Education Organisation – and related organisations

Comprising the evolution of:

- Geoscience Education (GeoSciEd) conferences
- the International Geoscience Education Organisation (IGEO)
- the International Earth Science Olympiad (IESO) and
- the International Union of Geological Sciences (IUGS) Commission on Geoscience Education (COGE)
- International Geoscience Education Organisation (IGEO) teacher workshops
- IGEO Syllabus and *Exploring geoscience across the world* textbook suite

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- **International Geoscience Education Organisation (IGEO) teacher workshops**
- **IGEO Syllabus and *Exploring geoscience across the world* textbook suite**

Compiled by Chris King, Emeritus Professor of Earth Science Education, Keele University, with the help of many IGEO contributors

Summary

The sections below comprise:

- a timeline of GeoSciEd conferences, IGEO and IESO meetings and development
- a GeoSciEd conference section
- an International Geoscience Education Organisation (IGEO) section
- an International Earth Science Olympiad (IESO) section
- an International Union of Geological Sciences (IUGS) Commission on Geoscience Education and Technology Transfer (COGE) section

Timeline

1990	<ul style="list-style-type: none">• International Union of Geological Sciences (IUGS) Commission on Geoscience Education and Training (COGEOED)
1993	<ul style="list-style-type: none">• International Conference on Geoscience Education and Training, Southampton, UK
1994	
1995	
1996	<ul style="list-style-type: none">• Publication of GEOSCIENCE EDUCATION & TRAINING, Stow & McCall (eds) proceedings of the First Conference, Balkema Publ., 855p.
1997	<ul style="list-style-type: none">• GeoSciEd II, Hilo, Hawaii, USA• International geoscience education association development committee formed, Hilo, Hawaii, USA
1998	
1999	
2000	<ul style="list-style-type: none">• GeoSciEd III, Sydney, Australia• Internal Geoscience Education Organisation (IGEO) formed; first General Meeting, Sydney, Australia• First IGEO Council meeting, Sydney, Australia• Publication of the 1st international survey
2001	
2002	
2003	<ul style="list-style-type: none">• GeoSciEd IV, Calgary, Canada• Second IGEO General meeting, Calgary, Canada• Second IGEO Council meeting, Calgary, Canada
2004	<ul style="list-style-type: none">• 32nd International Geological Congress (IGC), Florence, Italy, IGEO organisation of three themes (school, higher and outreach education)• Third IGEO Council meeting, Florence, Italy• Formation of the International Union of Geological Sciences (IUGS) Commission on Geoscience Education and Technology Transfer (COGE), Boulder Colorado, USA
2005	
2006	<ul style="list-style-type: none">• GeoSciEd V, Bayreuth, Germany• Third IGEO General meeting, Bayreuth, Germany• Fourth IGEO Council meeting, Bayreuth, Germany• Publication of the 2nd international survey
2007	<ul style="list-style-type: none">• Conference on International Earth Science Olympiad, Chosun University, Gwangju, Seoul, Republic of Korea, April

	<ul style="list-style-type: none"> • Seoul Conference on International Earth Science Olympiad, Seoul National University, Seoul, Republic of Korea, November • 1st International Earth Science Olympiad, Daegu and Youngwol, Korea.
2008	<ul style="list-style-type: none"> • 33rd International Geological Congress (IGC), Oslo, Norway, IGEO organisation of an education theme • Fifth IGEO Council meeting, Oslo, Norway • Meeting of members of the International Union of Geological Sciences (IUGS) Commission on Geoscience Education and Technology Transfer (COGE)), Oslo, Norway • 2nd International Earth Science Olympiad, Manila and Bicol, the Philippines
2009	<ul style="list-style-type: none"> • 3rd International Earth Science Olympiad, Taipei, Taiwan • IGEO supported the International Conference for Global Development (GeoDev), Dhaka, Bangladesh
2010	<ul style="list-style-type: none"> • GeoSciEd VI, Johannesburg, South Africa • Fourth IGEO General meeting, Johannesburg, South Africa • Sixth IGEO Council meeting, Johannesburg, South Africa • 4th International Earth Science Olympiad, Yogyakarta, Indonesia • IGEO supported the Joint Assembly of Geoscience Organisations in the Americas, Iguassu Falls, Brazil
2011	<ul style="list-style-type: none"> • 5th International Earth Science Olympiad, Modena, Italy
2012	<ul style="list-style-type: none"> • 34th International Geological Congress (IGC), Brisbane, Australia, IGEO involvement in two themes 1.2 Geoscience education and 2.3 Developing geoscience education and awareness for the benefit of society • Seventh IGEO Council meeting, Brisbane, Australia • IUGS-COGE Commission meeting Brisbane, Australia • 6th International Earth Science Olympiad, Olavarria, Argentina • Publication of the 3rd international survey
2013	<ul style="list-style-type: none"> • 7th International Earth Science Olympiad, Mysore, India
2014	<ul style="list-style-type: none"> • GeoSciEd VII, Hyderabad, India • Teacher training workshop, Hyderabad, India • Fifth IGEO General meeting, Hyderabad, India • Eighth IGEO Council meeting, Hyderabad, India • 8th International Earth Science Olympiad, Santander, Spain • Publication of the International Geoscience Syllabus
2015	<ul style="list-style-type: none"> • 9th International Earth Science Olympiad, Pocos de Caldas, Brazil • Teacher training workshop, Campinas University, Brazil • Teacher training workshops, in Goa, Mangaluru and Bengaluru, India in July
2016	<ul style="list-style-type: none"> • 35th International Geological Congress (IGC), Cape Town, South Africa • Ninth IGEO Council meeting, Cape Town, Cape Town, South Africa • 10th International Earth Science Olympiad, Mie, Japan
2017	<ul style="list-style-type: none"> • 11th International Earth Science Olympiad, Nice, France
2018	<ul style="list-style-type: none"> • GeoSciEd VIII, Campinas, São Paulo, Brazil • 12th International Earth Science Olympiad, Kanchanaburi, Thailand • Formation of the Latin American IGEO Chapter - LAIGEO • Publication of the 4th International Survey by IGEO/UNESCO
2019	<ul style="list-style-type: none"> • 13th International Earth Science Olympiad, Daegu, Republic of Korea • Formation of the European IGEO Chapter • Publication of <i>Exploring geoscience across the world</i> textbook
2020	<ul style="list-style-type: none"> • The 36th International Geological Congress (IGC) planned for New Delhi, India was postponed due to the coronavirus pandemic • The 14th International Earth Science Olympiad planned for Tyumen, Russia was cancelled due to the coronavirus pandemic
2021	<ul style="list-style-type: none"> • Publication of academic paper on the 4th international survey

Future plans

2021	<ul style="list-style-type: none">• 14th International Earth Science Olympiad planned for Tyumen, Russia
2022	<ul style="list-style-type: none">• GeoSciEd IX planned for Shimane, Japan• 15th International Earth Science Olympiad planned for Beijing, China
2023	<ul style="list-style-type: none">• 16th International Earth Science Olympiad
2024	<ul style="list-style-type: none">• 37th International Geological Congress (IGC) planned for Busan, Republic of Korea• 17th International Earth Science Olympiad

GeoSciEd Conferences

1990 – Formation of the International Union of Geological Sciences (IUGS) Commission on Geoscience Education and Training (COGEOED)

- Senior Officers:
 - Chair: Gerry Cooray
 - Secretary/Treasurer: Dorrik Stow
 - Newsletter Editors: John Carpenter (1990 – 1993), Rajasekhariah Shankar (1993 – 1996)

1993 - The first geoscience education conference:

International Conference on Geoscience Education and Training

- Dates: 20th – 24th April, 1993
- Venue: University of Southampton, UK
- Main sponsors: The Association of Geoscientists for International Development (AGID) and the International Union of Geological Sciences (IUGS) Commission on Geoscience Education and Training (COGEOED)
- Additional sponsors: ICSU, ASE (International), ESTA (UK), Geological Society, Geographical Association, BGS plus a wide range of financial sponsors
- Conference convenor: Dorrik Stow (UK); theme convenors:
 - Geoscience education in schools: Chris King (UK) and David Thompson (UK)
 - Higher Education: Bill Gaskarth (UK) and Brian Daley (UK)
 - Geoscience Training for Business, Industry and Public Service: Tony Reedman (UK)
 - Public understanding of geoscience: Ian Sutton (UK)
- Abstract volume: published by the Geology Department, University of Southampton, UK, 1993
- Proceedings volume: *Geoscience education and training*, ed. DAV. Stow and GJH. McCall, Balkema, Rotterdam, 1996.
- Notes:
 - David Thompson, Nir Orion and Chris King met in a small café to discuss the development of an international association.

1997 – GeoSciEd II

- Dates: 28th – 31st July, 1997
- Venue: University of Hawaii at Hilo, Hawai'i, USA
- Conference convenors: John Carpenter (USA), Vic Mayer (USA), Nir Orion (Israel), Frank Ireton (USA) Laure Wallace (USA)
- Proceedings volume: *Conference proceedings: second international conference on Geoscience Education*, Ed. Fortner, W. and Mayer, M., Ohio State University, USA, 1998.
- Support for production and distribution of Proceedings volume provided by:
 - National Science Foundation, Directorate for Education and Human Resources (US)
 - National Aeronautics and Space Administration, Mission to Planet Earth programme (US)
- Conference registrations
 - The Ohio State University, School of Natural Resources and Office of Applied Communications
 - The Alphonse Memorial Endowment Fund of the Ohio State University, a fund established in honour of Victor C. and Phyllis C. Mayer.
- Awards for lifetime service to geoscience education:
 - Yolanda Alba de Gonzales (Venezuela)
 - Victor J. Mayer (USA)
 - Emmanuel Mazor (Israel)
 - David Thompson (UK)
- Notes:
 - A group of geoscience educators met in a small restaurant (Uncle Billy's Hilo Hideaway) in a rainstorm to formalise a proposal for an international association, prompted by Nir Orion.
 - This proposal was put to the general assembly at the conference, and was enthusiastically endorsed.
 - This was the formal beginning of an international association for earth science education.
 - Nir Orion and Chris King agreed to lead a development committee that would, among other things, determine the name of the association.
 - Later, having discussed different names, including the International Geoscience Education Association (IGIA), the name of the new association was eventually agreed as the International Geoscience Education Organisation (IGEO).

2000 – GeoSciEd III

- Dates: 16th – 21st January, 2000
- Venue: University of New South Wales, Sydney, Australia
- Major sponsor: Australian Geological Survey Organisation (AGSO)
- Conference convenors: Malcolm Buck (Australia), Ian Clark (Australia), Gary Lewis (Australia)
- Abstract and Proceedings volume: *3rd international conference on geoscience education: abstract volume*. Ed. Ian Clark, AGSO, Canberra, 2000.
- Award for lifetime service to geoscience education:
 - John Carpenter (USA)
- Notes:
 - The International Geoscience Education Organisation name was formally approved.
 - IGEO Chair elected: Chris King.
 - Later, the IGEO logo, website and constitution were developed.

2003 – GeoSciEd IV

- Dates: 10th – 14th August, 2003.
- Venue: University of Calgary, Alberta, Canada.
- Major sponsors: IGEO, EnCana Corporation, Canadian Society of Petroleum Geologists Educational Trust
- Conference convenors: Alan Morgan and Godfrey Nowlan
- Abstract and Proceedings volume: *Earth science for the global community: conference proceedings*. Ed. The GeoSciEd IV organising committee, Calgary, Canada, pp257, 2003.
- Awards for lifetime service to geoscience education:
 - Gerry Cooray (Sri Lanka)
 - Ward Neale (Canada)
- Notes:
 - IGEO Chair elected: Ian Clark (Australia).
 - The IGEO contribution to the forthcoming 32nd International Geological Congress in Florence, Italy in 2004 was planned.



GeoSciEd IV delegates at the Royal Tyrrell Museum of Paleontology, Drumheller, Alberta.
Photo: Alan Morgan

2006 – GeoSciEd V

- Dates: 18th – 21st September, 2006.
- Venue: University of Bayreuth, Germany.
- Major sponsors: IGEO
- Conference convenors: Sylke Hlawatsch (Germany), Gabriele Obermaier (Germany), Ulrike Martin (Germany)
- Abstract volume: *Geoscience education: understanding system Earth*. Volume 48, the German Society of Geosciences, Hannover, 2006.
- Proceedings volume: *Abstract volume of GeoSciEd V*, 96. Hannover: Schriftenreihe der Deutschen Gesellschaft für Geowissenschaften SDGG.
- Notes:
 - IGEO Chair elected: Chan-Jong Kim (South Korea).
 - Plans were presented for the 1st International Earth Science Olympiad (IESO), to be held at Seoul National University in Korea in October 2007.
 - Presentations were made to host GeoSciEd V by India and South Africa; South Africa was chosen.
 - Later the Senior Officers decided that IGEO should support:
 - the International Conference for Global Development (GeoDev) to be held in Dhaka, Bangladesh, on the 26th – 31st October, 2009 and
 - the Joint Assembly of Geoscience Organisations in the Americas, to be held at the Iguassu Falls, Brazil, on the 8th - 13th August, 2010.



GeoSciEd V delegates.
Photo: Alan Morgan

2010 – GeoSciEd VI

- Dates: 30th August – 3rd September, 2010.
- Venue: University of the Witwatersrand, Johannesburg, South Africa.
- Major sponsors: IGEO
- Conference convenor: Ian McKay
- Abstract volume: *Geoscience education/developing the world*. University of the Witwatersrand, Johannesburg, South Africa, 2010.
- Notes:
 - IGEO Chair elected: Sylke Hlawatsch (Germany).
 - IGEO Chair Elect elected: Rajasekhariah Shankar
 - The IGEO contribution to the forthcoming 34th International Geological Congress in Brisbane, Australia, in 2012 planned.
 - A presentation was made by India to host GeoSciEd VII, which was approved.



GeoSciEd VI - IGEO Senior Officers
L to R: Rajasekhariah Shankar, Bronte Nicholls,
Chan-Jong Kim, Sylke Hlawatsch, Ian McKay,
Roberto Greco.
Photo: Alan Morgan

2014 – GeoSciEd VII

- Dates: September 5th – 9th, 2014.
- Venue: University of Hyderabad, Hyderabad, India
- Major sponsors: Ministry of Earth Sciences, Department of Science & Technology, Hutti Gold Mines Co. Ltd., Oil & Natural Gas Commission.
- Conference convenor: Rajasekhariah Shankar
- Abstract volume: *Volume of abstracts*, International Geoscience Education Organisation.
- Notes:
 - IGEO Chair elected: Rajasekhariah Shankar (India).
 - IGEO Chair Elect elected: Roberto Greco (Brazil)
 - The IGEO contribution to the forthcoming 35th International Geological Congress in Cape Town, South, in 2016 was planned.
 - Brazil was elected to host GeoSciEd VIII in 2018.



GeoSciEd VII - IGEO Senior Officers,
L to R: Anish Warriar, Roberto Greco, Sylke
Hlawatsch, Rajasekhariah Shankar,
Bronte Nicholls, Gabriele Obermaier, Chris King.



Group photo of participants, 7th GeoSciEd conference, Hyderabad, India, 2014.

2018 – GeoSciEd VIII

- Dates: July 22nd – 27th, 2018.
- Venue: University of Campinas, Brazil
- Major sponsors: IGEO and Sociedade Brasileira de Geologia (Brazilian Geological society)
- Conference convenor: Pedro Wagner Gonçalves
- Website: <https://www.ige.unicamp.br/geoscied2018/en/>
- Abstract volume: Geoscience Teaching and History: https://www.ige.unicamp.br/geoscied2018/wp-content/uploads/sites/38/2018/10/2018_ProceedingsGeoSciEdFinal.pdf
- Notes:
 - IGEO Chair elected: Roberto Greco (Brazil)
 - IGEO Chair Elect elected: Clara Vasconcelos (Portugal)
 - Japan and the USA presented bids to host GeoSciEd IX in 2022 – Japan was elected.
 - The Latin American chapter of IGEO was established – LIAGEO



During the educational field trip, GeoSciEd VIII, Campinas, Brazil

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International Geoscience Education Organisation (IGEO)

1997 The formation of an international geoscience education association proposed and endorsed
Chairs of the association development committee: Nir Orion and Chris King.

2000 International Geoscience Education Organisation (IGEO) formed (Sydney, January 2000).
First General Meeting.

Senior Officers, 2000 - 2003:

- Chair: Chris King (UK).
- Newsletter editors: Laure Wallace (USA) and Mary Dowse (USA)

IGEO logo, constitution and website developed.

2003 Second IGEO General meeting (Calgary, August 2003)
Second IGEO Council meeting (Calgary, August 2003)

Senior Officers, 2003 - 2006:

- Chair: Ian Clark (Australia)
- Vice-Chair: Chan-Jong Kim (Korea)
- Past-Chair: Chris King (UK)
- Secretary/treasurer: Alan Morgan (Canada)
- Newsletter editor: Bronte Nicholls (Australia)

2004 Third IGEO Council meeting (Florence, Italy, August 2004)

2006 Third IGEO General meeting (Bayreuth, Germany, September 2006)
Fourth IGEO Council meeting

Senior Officers, 2006 - 2010:

- Chair: Chan-Jong Kim (Korea)
- Vice-Chair: Sylke Hlawatsch (Germany)
- Past-Chair: Ian Clark (Australia)
- Secretary/treasurer: Alan Morgan (Canada)
- Newsletter editor: Bronte Nicholls (Australia)

2008 Fifth IGEO Council meeting (Oslo, Norway, August 2008)

2010 Fourth IGEO General meeting (Johannesburg, South Africa, September 2010)
Sixth IGEO Council meeting (Johannesburg, South Africa, September 2010)

Senior Officers, 2010 - 2014:

- Chair: Sylke Hlawatsch (Germany)
- Vice-Chair: Shankar Rajasekharaiah (India)
- Past-Chair: Chan-Jong Kim (Korea)
- Secretary: Roberto Greco (Italy)
- Treasurer: Gabriele Obermaier (Germany)
- Newsletter editor: Bronte Nicholls (Australia)

2012 Seventh IGEO Council meeting (Brisbane, Australia, August 2012)

2014 Fifth IGEO General meeting (Hyderabad, India, September 2014)
Eighth IGEO Council meeting (Hyderabad, India, September 2014)

Senior Officers, 2014 - 2018:

- Chair: Shankar Rajasekharaiah, India
- Vice-Chair: Roberto Greco, Brazil
- Past-Chair: Sylke Hlawatsch, Germany
- Secretary: Anish Warriar, India
- Treasurer: Gabriele Obermaier, Germany

- Newsletter editor: Bronte Nicholls, Australia
- Webmaster: Takashi Sawaguchi, Japan
- Advisor: Chris King, United Kingdom

2016 Sixth IGEO General meeting at the 35th International Geological Congress (Cape Town, South Africa, August 2016)
Ninth IGEO Council meeting at the 35th International Geological Congress (Cape Town, South Africa, August 2016)



Table Mountain overlooking Cape Town, the venue of the 35th IGC.
Photo: Rajasekhariah Shankar

2018 Tenth IGEO Council meeting at IIIV GeoSciEd (Campinas, Brazil, July 2018)

Senior Officers, 2018 - 2022:

- Chair: Roberto Greco, Brazil
- Vice-Chair: Clara Vasconcelos, Portugal
- Past-Chair: Rajasekhariah Shankar, India
- Secretary: Anish Warriar, India
- Treasurer: Jean-Luc Berenguer, France
- Newsletter editor: Mike Passow, USA
- Webmaster: Takashi Sawaguchi, Japan
- Next conference convenor: Ichiro Matsumoto, Japan
- Advisor: Chris King, UK,
- Advisor: Nir Orion, Israel



Delegates engaged in the Council meeting during GeoSciEd VIII, Campinas, Brazil, 2018.
Photo: Rajasekhariah Shankar

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International Earth Science Education Olympiads (IESOs)

Development meetings:

- Conference on International Earth Science Olympiad, Chosun University, Gwangju, Seoul, Republic of Korea, April 12-13, 2007.
- Seoul Conference on International Earth Science Olympiad, Seoul National University, Seoul, Republic of Korea, November 26-27, 2007. Chair: Moo Young Song.

1st International Earth Science Olympiad

- Dates: 21st – 29th October, 2007
- Venue: Daegu and Yeongwol, Korea.
- Convenor: Moo Young Song
- Number of participating countries: 8
- Chair of the IESO Advisory Committee: Chan-Jong Kim
- Chair of the IESO Coordinating Committee: Moo Young Song



Medal winners at the 1st IESO in South Korea.

Photo: Rajasekhariah Shankar

2nd International Earth Science Olympiad

- Dates: 31st August – 8th September, 2008
- Venue: Manila and Bicol, the Philippines.
- Convenor: Miguel Cano
- Theme: Co-option in Addressing Climate Change
- Number of participating countries: 7
- Chair of the IESO Advisory Committee: Chan-Jong Kim
- Chair of the IESO Coordinating Committee: Moo Young Song

3rd International Earth Science Olympiad

- Dates: 14th – 22nd September, 2009
- Venue: National Taiwan Normal University, Taipei, Taiwan.
- Convenor: Chun-Yen Chang
- Theme: Human environment
- Number of participating countries: 17
- Chair of the IESO Advisory Committee: Chan-Jong Kim
- Chair of the IESO Coordinating Committee: Moo Young Song

4th International Earth Science Olympiad

- Dates: 19th – 28th September, 2010.
- Venue: Gadjah Mada University, Yogyakarta, Indonesia.
- Convenor: Hendra Amijaya
- Theme: The present is the key to the future
- Number of participating countries: 18
- Chair of the IESO Advisory Committee: Chan-Jong Kim
- Chair of the IESO Coordinating Committee: Moo Young Song

5th International Earth Science Olympiad

- Dates: 5th – 14th September, 2011.
- Venue: Department of Earth Science of Modena and Reggio Emilia University, Modena, Italy.
- Convenor: Roberto Greco
- Theme: Earth Science Renaissance: Science, Environment and Art.
- Number of participating countries: 34
- Chair of the IESO Advisory Committee: Sylke Hlawatsch
- Chair of the IESO Coordinating Committee: Moo Young Song

6th International Earth Science Olympiad

- Dates: 8-12 October 2012
- Venue: Olavarria, Argentina
- Convenor: Jose Sellés Martínez
- Theme: Energy, Water and Minerals for Sustainable Development
- Number of participating countries: 18
- Chair of the IESO Advisory Committee: Sylke Hlawatsch
- Chair of the IESO Coordinating Committee: Moo Young Song



Mentors and Observers at the 6th IESO, 2012.
Photo: Rajasekhariah Shankar

Advisory Committee Members at the 6th IESO, 2012.
L – R: Hendra Amijaya, Suzanna Occhipinti, Sylke Hlawatsch, Rajasekhariah Shankar, Tom Tailer, Jose Sellés Martínez and Evgeny Nesterov.
Photo: Rajasekhariah Shankar



7th International Earth Science Education Olympiad

- Dates: 11-19 September
- Venue: Mysore, India
- Convenor: Rajasekhariah Shankar
- Theme: The Earth is indeed a family
- Number of participating countries: 27
- Chair of the IESO Advisory Committee: Sylke Hlawatsch
- Chair of the IESO Coordinating Committee: Sylke Hlawatsch



Mentors, Observers and Students at the 7th IESO in Mysuru, India.
Photo: Rajasekhariah Shankar

8th International Earth Science Olympiad

- Dates: 22-29 September 2014
- Venue: Santander, Spain
- Convenor: Rajasekhariah Shankar
- Theme: Sea and Mountains
- Number of participating countries: 24
- Chair of the IESO Advisory Committee: Shankar Rajasekhariah
- Chair of the IESO Coordinating Committee: Shankar Rajasekhariah

9th International Earth Science Olympiad

- Dates: 13-20 September 2015
- Venue: Poços de Caldas, Brazil
- Convenor: Marcelo Bregagnoli
- Theme: Soil
- Number of participating countries: 27
- Chair of the IESO Advisory Committee: Rajasekhariah Shankar
- Chair of the IESO Coordinating Committee: Rajasekhariah Shankar



Group photo of students during the ITFI, 9th IESO in Pocos de Caldas, Brazil.

Photo: Rajasekhariah Shankar

Participants during the 9th IESO in Brazil were asked to investigate why this rock has this shape.

Photo: Rajasekhariah Shankar



10th International Earth Science Olympiad

- Dates: August 20-27, 2016
- Venue: Mie, Japan
- Convenor: Ken Hisada
- Theme: Our Future: Earth & Space
- Number of participating countries: 29
- Chair of the IESO Advisory Committee: Shankar Rajasekhariah
- Chair of the IESO Coordinating Committee: Shankar Rajasekhariah



A multinational group of students carrying out the International Team Field Investigations (ITFI) during the 10th IESO, Mie, Japan.

Photo: R Rajasekhariah Shankar

11th International Earth Science Olympiad

- Dates: August 22-29, 2017
- Venue: Côte d'Azur, France
- Convenors: Fabrice Jouffray and Jean-Luc Berenguer
- Theme: ... standing on the Earth, gazing at the Planets!
- Number of participating countries: 29 countries with teams, 5 countries with observers
- Chair of the IESO Advisory Committee: Shankar
- Chair of the IESO Coordinating Committee: Shankar



A group of students carrying out the International Team Field Investigation as part of IESO 2017 in France.

Photo: Roberto Greco

12th International Earth Science Olympiad

- Dates: August 8-17, 2018
- Venue: Kanchanaburi, Thailand
- Convenors: Suwan Kusamran and Prinya Putthapiban
- Theme: Earth science for all
- Number of participating countries: 39
- Chair of the IESO Advisory Committee: Roberto Greco
- Chair of the IESO Coordinating Committee: Young-Shin Park



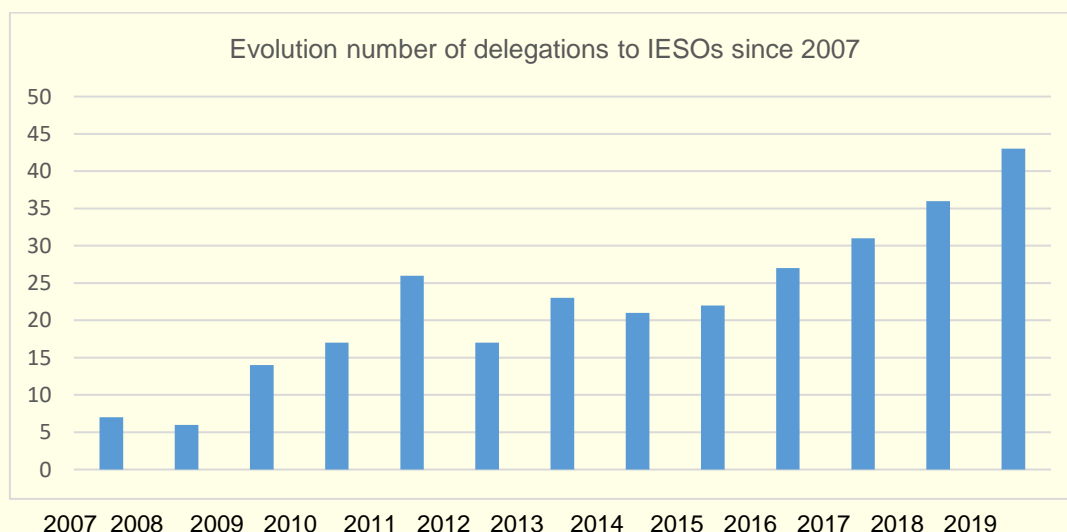
As a memorial of the 12th IESO and raising awareness of our environment, students and mentors planted friendship trees at the Geological Park & Museum, Mahidol University Kanchanaburi Campus on August 12th 2018

13th International Earth Science Olympiad

- Dates: August 26 – September 3, 2019
- Venue: Daegu, Republic of Korea
- Convenors: Kiyoun Lee and Chan-Jong Kim
- Theme: Passion for Earth Science ... continued
- Number of participating countries: 43
- Chair of the IESO Advisory Committee: Roberto Greco
- Chair of the IESO Coordinating Committee: Young-Shin Park



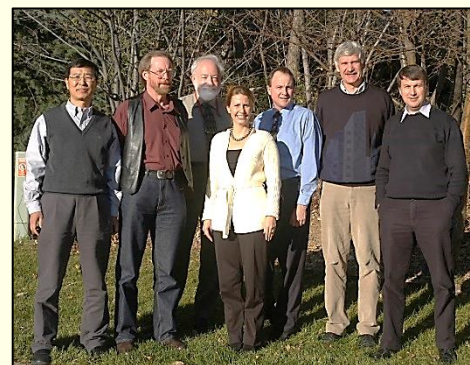
IESO participants in the ITFI, from https://www.facebook.com/pg/IESO2019/photos/?ref=page_internal



**The International Union of Geological Sciences (IUGS)
Commission on Geoscience Education and Technology
Transfer (COGE)**

The Commission was formed in November, 2004 in Boulder, Colorado with the following membership:

- Gary Lewis - Commission chairperson (Geological Society of America - USA)
- Wesley Hill - Commission secretary and treasurer (Geological Society of America - USA)
- Chan-Jong Kim (Seoul National University - South Korea)
- Greg McNamara (Geological Society of Australia - Australia)
- Alan Morgan (Waterloo University - Canada)
- Chris King (Keele University - United Kingdom)
- Hans Albert Dahlheim (Germany)
- Ian Clarke (University of Adelaide - Australia)

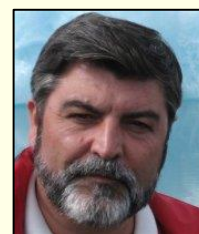


The first IUGS-COGE Commission
Photo: Alan Morgan

The website was developed at: <http://www.geod.com.au/IUGSeducation/indexcomm.html> by Greg McNamara.

Membership from 2011:

- Jesús Martínez Frías - Chair (Spanish National Research Council, Spain)
- Chris King – Vice Chair (Keele University - United Kingdom)
- Jennifer Nocerino (Secretary/Treasurer – Geological Society of America)
- Miguel Cano (Bicol University - Philippines)
- Ian Clarke (University of Adelaide - Australia)
- Ochir Gerel Mongolian University of Science & Technology, Mongolia)
- Chan-Jong Kim (Seoul National University - South Korea)
- Gary Lewis (Geological Society of America)
- Greg McNamara (Geological Society of Australia - Australia)
- Alan Morgan (Waterloo University - Canada)
- Adriana Niz (National University of Catamarca, Argentina)
- Rajasekhariah Shankar (Mangalore University, India)
- Ashvin Wickramasooriya (South Eastern University of Sri Lanka)



Jesús Martínez Frías
– IUGS-COGE Chair

Membership in 2015:

- Jesús Martínez Frías - Chair (Spanish National Research Council, Spain)
- Chris King – Vice Chair (Keele University - United Kingdom)
- Jennifer Nocerino (Secretary/Treasurer – Geological Society of America)
- Miguel Cano (Bicol University - Philippines)
- Ian Clarke (University of Adelaide - Australia)
- Ochir Gerel Mongolian University of Science & Technology, Mongolia)
- Chan-Jong Kim (Seoul National University - South Korea)
- Gary Lewis (Geological Society of America)
- Greg McNamara (Geological Society of Australia - Australia)
- Alan Morgan (Waterloo University - Canada)
- Adriana Niz (National University of Catamarca, Argentina)
- Rajasekhariah Shankar (Mangalore University, India)
- Ashvin Wickramasooriya (South Eastern University of Sri Lanka)
- Kmar Ben Ismail-Lattrache (University of Tunis El Manar, Tunisia)
- Yamina Bourgeoini (Cadi Ayyad University, Morocco)
- Elyvin Nkhonjera (Community Improvement Project, Malawi)

Membership from September 2016:

- Chris King – Chair (Keele University, United Kingdom)
- Jesús Martínez Frías – Former Chair (Spanish National Research Council, Spain)
- Ian Clarke – Secretary/Treasurer - University of Adelaide, Australia)
- Greg McNamara – Webmaster (Geological Society of Australia, Australia)
- Miguel Cano (Bicol University, Philippines)
- Ochir Gerel Mongolian University of Science & Technology, Mongolia)
- Gary Lewis (Geoetc, USA)
- Adriana Niz (National University of Catamarca, Argentina)
- Rajasekhariah Shankar (Mangalore University, India)
- Ashvin Wickramasooriya (University of Peradeniya, Sri Lanka)
- Yamina Bourgeoini (Cadi Ayyad University, Morocco)
- Elyvin Nkhonjera (Community Improvement Project, Malawi)
- Lola Pereira (Universidad de Salamanca, Spain)
- Young-Shin Park (Chosun University, Korea)
- Jaroslav Dostal (Saint Mary's University in Halifax, Canada)



Chris King
– IUGS-COGE Chair

Membership from September 2019:

- Chris King – Chair, Keele University – United Kingdom
- Ian Clark - Secretary/Treasurer, University of South Australia - Australia
- Greg McNamara - Webmaster, Geological Society of Australia – Australia
- Yamina Bourgeoini, Cadi Ayyad University – Morocco
- Miguel Cano, Bicol University – Philippines
- Ochir Gerel, Former IUGS VP, Mongolian University of Science & Technology – Mongolia
- Roberto Greco, Campinas University – Brazil
- Gary Lewis, Former Chair, President GEOect – USA
- Jesús Martínez-Frías, Former Chair, Spanish National Research Council – Spain
- Rajasekhariah Shankar, Mangalore University – India
- Young-Shin Park, Chosun University – South Korea
- Clara Vasconcelos, University of Porto – Portugal.
- Ashvin Wickramasooriya, University of Peradeniya – Sri Lanka

Membership from February 2021

- Chris King – Chair, Keele University – United Kingdom
- Ian Clark - Secretary/Treasurer, University of South Australia - Australia
- Greg McNamara - Webmaster, Geological Society of Australia – Australia
- Kholoud Mohamed Abdelmaksoud, Cairo University – Egypt
- Yamina Bourgeoini, Cadi Ayyad University – Morocco
- Miguel Cano, Bicol University – Philippines
- Ochir Gerel, Former IUGS VP, Mongolian University of Science & Technology – Mongolia
- Roberto Greco, Campinas University – Brazil
- Gary Lewis, Former Chair, President GEOect – USA
- Jesús Martínez-Frías, Former Chair, Spanish National Research Council – Spain
- Rajasekhariah Shankar, Mangalore University – India
- Young-Shin Park, Chosun University – South Korea
- María Jesús Bravo Pérez, Biobío Litoral Mining Geopark Project – Chile
- Clara Vasconcelos, University of Porto – Portugal
- Sandra Villacorta, representing Peru, Charles Darwin University, Australia
- Ashvin Wickramasooriya, University of Peradeniya – Sri Lanka

The latest website can be found at: <http://www.iugscoge.com/> and is still hosted by Greg McNamara.

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International Geoscience Education Organisation (IGEO) teacher training workshops

2014 – IGEO teacher training workshop – linked to GeoSciEd VII

- Dates: July 2015
- Venues: Hyderabad
- Major sponsors: IGEO
- Organiser: Rajasekhariah Shankar
- Presenter: Nir Orion



Nir Orion with participants at the Teacher Training Workshop, Hyderabad, India, August 2014.
Photo: Rajasekhariah Shankar

2015 – IGEO teacher workshops

- Dates: July 2015
- Venues: Goa, Mangaluru and Bengaluru, India
- Major sponsors: IGEO
- Organiser: Rajasekhariah Shankar
- Presenters: Chris King, Nir Orion



Teacher Training Workshop, Bengaluru, India, July 12-15, 2015. L – R: Nir Orion, Chris King, Rajasekhariah Shankar and M. Prithviraj.
Photo: Rajasekhariah Shankar



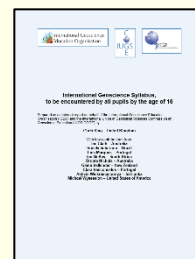
School students excitedly learning about minerals and rocks at the Earth Science Exhibition, Bengaluru, India, 2015 linked to the teacher workshops (left) and Pune, India, 2016 (right).

Photos: Rajasekhariah Shankar

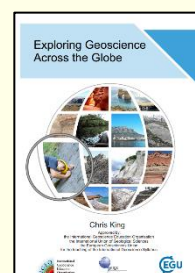
Note: This series of histories is the best recollections of some of those involved. Please email any corrections or updates to the Webmaster.

IGEO Syllabus and *Exploring geoscience across the world* textbook suite

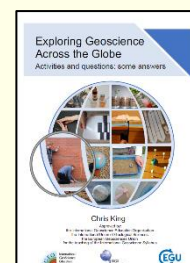
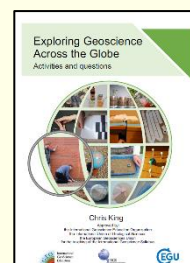
2014 – publication of the International Geoscience Syllabus
(to be encountered by all pupils by the age of 16)



2019 – publication of *Exploring geoscience across the world*
ISBN 978-1-9996264-0-2 textbook for sixteen year olds international version



2020 – publication of *Exploring geoscience across the world: activities and questions* ISBN 978-1-9996264-1-9 and ***Exploring geoscience across the world: activities and questions: some answers*** ISBN 978-1-9996264-3-3 companion volumes



2021 – publication of Turkish translation of *Exploring geoscience across the world* ISBN 978-1-9996264-5-7

