



International GeoScience Education Organisation

March 2022 Newsletter

<http://www.igeosced.org/>

2018 – 2022 IGEO Executive Committee

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President's Message

Dear IGEO members,

our first thought in this days goes to the **war in Ukraine**, we have dear colleagues and friend in both sides. Ukranian and Russian students participate regularly in IESO and I feel terrible thinking that some of them now could have guns in their arms.

We are geoscience educators, as all the educator we have the ethical duty to promote not only our subject but also a **culture of peace** and respect with our students.

Scientists and educators can not be silent in that situation, for that reason IGEO support the **IAPG Declaration against war and Authoritarianism**, you can find the full text in this newsletter as well in the IAPG website: <https://www.geoethics.org/>.

Since 2008 I get the chance to work with a colleague that was a role model for me, both in geoscience education and in solve and prevent conflict, I'm talking of the **Emeritus Professor Chris King that sadly passed away the 17th of February 2022**. Chris was the first IGEO chair, and was currently an IGEO executive board as advisor. He was the real leader of the geoscience education community worldwide, he dedicate all his life to the promotion of geoscience education. Here you find the history of Chris as Earth Science Educator written directly by him: <http://www.igeoscienced.org/activities/my-earth-science-educator-story/>

One of the last project that he was carrying on was the **Exploring Geoscience online textbook** that is available in IGEO website (<http://www.igeoscienced.org/teaching-resources/geoscience-text-books/>) and if you wish you can translate it in your own language and also use examples and pictures of your country, who will take care of that project in the next year is Tanja Reinhardt (Reinhardt2@ukzn.ac.za).

In order to maintain alive his legacy as IGEO we establish the **call for Promoting geoscience teaching Award: In memory of Emeritus Professor Chris King**, as well we attribute an Honorary Awards in memory to Chris King, in memory, in the next GeoSciEd in Japan.

I take the opportunity to remember the deadline of the 31 of March 2022 for submit abstract for the next **GeoSciEd** <https://www.geoscienced9.org/>.

Registration are also open for the next **IESO 2022 online** that is coordinate by Susanna Occhipinti (Italy) <https://www.ieso2022.com/>.

In march we will run the **election for the vice-chair and the treasurer** as both resigned.

Last but not least we have some **news from Nepal**, if you have any news from your country that you would like to share with the rest of IGEO community please forward your document to Michael Passow <mjpassow@gmail.com> that is in charge of the news letter, your contributions are always really welcome.

Roberto Greco

IGEO Chair (2018-2022)



Planet Earth, 26th February 2022

Declaration against war and authoritarianism for the affirmation of human freedom and dignity

The International Association for Promoting Geoethics (IAPG) expresses its solidarity with all the people who are experiencing their present situation with difficulty and fear due to armed conflicts and who are suffering the repression of fundamental freedoms by authoritarian regimes.

We are close to colleagues from our section in Ukraine who are suffering from the invasion of their nation and are trying to resist the barbarism of war. We are also close to those Russian scientists and intellectuals who are courageously manifesting their rejection of war and demanding the right to peace.

Likewise, we cannot forget our colleagues in Myanmar who are experiencing government repression and our colleagues in Afghanistan, including those of the local IAPG section, for the harsh living conditions in which freedom, health and safety are not guaranteed. We are also close to our colleagues in Yemen, in the Democratic Republic of Congo and in all those countries in which governments or groups of powers don't respect the fundamental Human Rights of United Nations.

The IAPG rejects war and oppression for the resolution of conflicts and supports all those who fight for the affirmation of human dignity and for freedom from the oppression of dictatorships and fundamentalisms.

We strongly affirm that all human beings must be guaranteed dignity, freedom and knowledge. Everyone has the right to be able to live in freedom, health and safety and at the same time has the duty to responsibly guarantee freedom, health and safety to other human beings.

We are convinced that power must be implemented as a responsible exercise of community service, for the construction of more just, equitable, inclusive, supportive, peaceful, sustainable and ecologically oriented societies.

The revival of nationalistic models is anachronistic and represents a real threat to humanity, which instead, precisely in the recognition of its unity, albeit in the diversity of the cultures that constitute it, is beginning to cultivate that feeling of planetary citizenship that can accompany it towards a future of solidarity.

We invite the international scientific community, geosciences organizations and beyond, to sign this declaration.

Support this declaration by sending an email to: iapgeoethics@gmail.com

IAPG - International Association for Promoting Geoethics
c/o Istituto Nazionale di Geofisica e Vulcanologia, Via di Vigna Murata 605, 00143 Rome, Italy
website: www.geoethics.org; email: iapgeoethics@gmail.com

Chris King is no longer with us. Our dear friend and colleague passed away on 17th February 2022.

The IGEO community express the deepest condolences to his wife, his sons and all his loved ones.

Chris was the first IGEO chair and always support closely IGEO, at the moment was in the executive committee as advisor. He was also the chair of the International Union of Geological Sciences Commission on Geoscience Education (IUGSCOGE) and chair of the Committee on Education for EGU (European Geosciences Union). So you could imagine the void that he leaves in all the geoscience education community. He exercise a great leadership in geoscience education in the last two decades with his high professional attitude, hard works and human approach, always encouraging and involving new people and always kind and respectful.



During his career he give special attention on teacher training. He trained thousands of geology and science teachers in Keele University and though the Earth Science Education Unit as well with the Earth Learning Idea workshop all over the world. The Earth Learning Idea it's a great collaborative project <https://www.earthlearningidea.com/> that already reach millions of teachers and students.

He conduct several international survey on geoscience education and also write an International Geoscience Syllabus.

More recently he spend is energy on the Exploring Geoscience E-Book. All this materials are available in the IGEO website <http://www.igeoscied.org/>

His last legacy is the Strategy for Enhancing Global Geoscience Education that is a strategic document for improve Geoscience education worldwide.

Promoting geoscience teaching Award

In memory of Prof. Emeritus Chris King

Call

This call is in memory of Prof. Emeritus Chris King. Chris King was a prominent figure on geoscience education who passed away in February 2022. He was the first IGEO chair and he actively guided IGEO for the last twenty years, always providing helpful support. He was a geologist and also an educator who spent most of his career at the university level, training tens of thousands teachers in geoscience teaching. He was active at the national level in UK as well at international level, developing and promoting practical teaching activities and spread them through workshops all over the world, including the annual GIFT (Geoscience Information for Teachers) Workshops at the annual European Geoscience Union meeting. He created the widely used, dedicated website **Earth Learning Idea** (<https://www.earthlearningidea.com/>). Chris regularly conducted an international survey about the situation of geoscience education world wide and authored a school-level e-book Exploring Geoscience across the globe that is possible to download for free in IGEO website.

Here you can find his story with more detail as Earth Science educator: <http://www.igeosced.org/wp-content/uploads/2016/01/ChrisKing-final-en-Welsh.pdf>

Chris used to repeat that more importantly than a well-equipped lab, we need teach the teachers how to use them. For this reason the aims of the award is to support people that act on teacher training project with focus on active learning (practical activities, field trip ...)

To apply for this award, your proposal should contain a description of the proposed teacher training activities (4 pages maximum) and a CV (4 pages maximum)

Amount of the award: 1,000 Euro

Important date

01/04/2022 Open call

30/04/2022 Deadline for present a proposal

15/05/2022 Announcing of the winner

A geoscience textbook for your country!

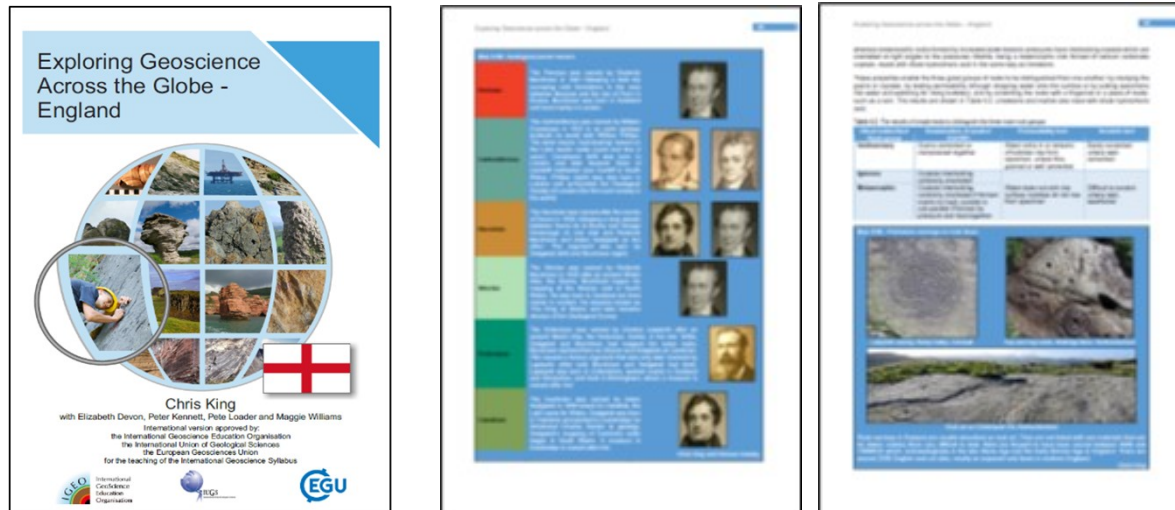
This article below was drafted by Chris King, ready to accompany the *England* version of his major *Exploring Geoscience* online textbook. The *England* version was published on the IGEO website very recently, just as Chris was told that he was terminally ill. Sadly, he died on 17th February 2022. What a wonderful legacy to a truly remarkable man if this initiative would be widely used and followed by many other customised versions of the book. PK

How can you provide an accurate, attractive, relevant geoscience textbook for your own country without reinventing the wheel? Can you follow the pioneer work carried out recently by a small team for an edition for England, with the minimum of effort?

We have shown that a small group of people working for about a week each can adapt the international *Exploring geoscience across the globe* textbook for a single country. The result is *Exploring geoscience across the globe – England* (at: [Exploring Geoscience across the Globe – England | International Geoscience Education Organisation \(igeosced.org\)](http://Exploring Geoscience across the Globe – England | International Geoscience Education Organisation (igeosced.org)))

Five of us spent some 200 hours in replacing about 280 of the original 500 photos in the book with photos from England and adding 40 extra ‘interest boxes’ of interesting English geological aspects. We asked experts to check our work and our designer to re-format the book and design new covers and now we have a customised geoscience textbook for England. More than that – we know it is accurate because the international version was approved not only by IGEO but also by the International Union of Geological Sciences (IUGS) and the European Geosciences Union (EGU). It also fully covers the International Geoscience Syllabus (at: <http://www.igeosced.org/activities/international-geoscience-syllabus/>) and so covers all the geoscience a sixteen year old should know.

This is what it looks like:



Cover and some inside pages of *Exploring geoscience across the globe – England*.

You and a small group of your colleagues could do this too. Just ask Tanja Reinhardt at Reinhardt2@ukzn.ac.za for more details and a ‘Word’ version of the textbook, ready for adaptation.

If you need to translate the book, there is quite a ‘quick fix’ for this too. Hükümü Orhan a retired geoscientist in Turkey, who is very keen to boost the teaching of geoscience in schools in the region, translated the international version into Turkish. This took around 200 hours for him and his colleagues.

Research has shown that many of the geoscience materials available to teachers across the world are moderate, poor or non-existent. With your help and commitment, we can make the world a better place for pupils, teachers and international geoscience understanding.



<https://www.geoscied9.org/>

Welcome

Sustainability for Geoscience Education

From August 21st to 24th, 2022, the 9th International Conference on Geoscience Education (IX GeoSciEd) will be hosted in Shimane, Japan. GeoSciEd is a series of conferences held every four years by the International Geoscience Education Organisation (IGEO), where enthusiastic Earth science educators, researchers, and students from around the world gather for in order to exchange pedagogical idea and practical experiences in Earth science education in their own countries. Since the first pilot meeting at Southampton, UK in 1990, the 9th GeoSciEd in Matsue Japan will be a first GeoSciEd in Eastern Asia. We extend a warm welcome to all of you to Matsue city, surrounded by many splendid UNESCO geoparks, world heritages, wonderful nature, and traditional Japanese cultures/architectures. Concurrently, the 76th annual meeting of Japan Society of Earth Science Education (JSESE) will be held in a same venue during the 9th GeoSciEd.

Important Schedule

Second Circular	15th January 2022
Submission of Abstract Papers	15th January 2022 until 31st March 2022
Approval of Papers (Oral/Poster)	31st May 2022
Deadline for online Registration	31st July 2022
Deadline for e-Poster submission	31st July 2022
Pre-Conference Field Excursion	19-20th August 2022
IX GeoSciEd Shimane	21-24th August 2022
Post-Conference Field Excursion	25-27th August 2022



<https://www.ieso2022.com/>

22 International Earth Science Olympiad

24-30 of August 2022

IESO 2022 will take place online, in Italy, from 24 to 30 (or 31 August) according to the program which is of course still in progress.

The center that will organize and link all the initiatives will be in Aosta, at the ISITP Manzetti, a technical school specializing in ICT.

We have studied a logo that recalls our Region, the shape is that of the Matterhorn, where the geological section represents a bridge between paleo-Africa and paleo-Europe through the Tethys.

The slogan: **A COOL INSPIRATION FOR AN EARTH WITHOUT MASK, AGAINST GLOBAL WARMING** wants to share the themes of

- a desirable end of the pandemic, with a cool, fresh, inspirations for an Earth without face-masks, but also
- a cool, deep, inspiration against global warming.

As agreed, the tests will be similar to those of last year. In particular, a Data Mining Test is foreseen, but for a more equitable evaluation, 4 tests will be foreseen on different topics and related to places of various parts of the Earth.

if you are unable to fill in the form, I ask you to send confirmation of membership, number of students, mentors and observer via email to info@ieso2022.com

Susanna Occhipinti - IESO 2022 Chair



IGEO Elections (March 2022)

IGEO Vice chair and the treasurer resigned so we will conduct an election process for this two position in advance respect to the GeoSciEd 2022 in next August.

Timeline:

1). Online Presentation by the Candidates (four for the vice chair's post and one for the treasurer's post)	March 12, 2022
2). Online voting through Google Forms (the voting window will be active for 24 hours)	March 13, 2022
3). Counting of the votes	March 14, 2022
4). Declaration of the results	March 14, 2022

The Councillors (<http://www.igeosci.org/about-the-igeo/officers/>) will be given an opportunity to attend the online presentation on 12th March and ask questions to the candidates. The record of the meeting will be shared immediately after the meeting with all the council members.

The presentations on 12th March will be conducted online. The link will be shared with all the council members on 11th March

Only one councillor representing his/her country will be eligible to vote.

A Councillor will have only one chance to cast his/her vote.

If there is any issue in accessing the Google Form, then the councillor may send his/her vote through email to the Secretary, IGEO (Email: akwarrier@gmail.com) BEFORE THE VOTING window closes.

Counting of the votes will be done by the Secretary, IGEO.

The results of the election will be communicated by email to all council members by the Secretary, IGEO.

The elected Vice-Chair and Treasurer will immediately be included in the IGEO Executive Committee.

List of candidates:

IGEO Treasurer:

- Sharon M. Locke

IGEO Vice-Chair:

- Yoshisuke Kumano
- Nir Orion
- Baskar
- Susanna Occhipinti

Interaction Program on Status of Geoscience Education in School Level of Nepal

GeolInnovation: Bulletin of Nepal Geological Students' Society, Vol. 1.

Nepal Geological Student's Society organized an interaction program in collaboration with Science Teacher's Association of Nepal, STEAM Foundation and International Geoscience Educational Organization (IGEO) on 2078/09/24 (8 Jan 2022) at Uniglobe SS/Collage, Kamaladi entitled "Interaction Program on Status of Geoscience Education in School Level of Nepal" on the chairmanship of STAN President Mr. Khil Kumar Pradhan. The program was hosted by NGSS executive member Mr. Roshan Neupane while welcome speech was delivered by NGSS executive member Mrs. Anita Dallakoti and addressed by central secretary of STAN Mr. Manoj Acharya. Associate Prof. Dr. Subodh Dhakal from Trichandra Campus, Seismologist Dr. Mukunda Bhattarai from Department of Mines and Geology, NGSS president and Council Member of IGEO from Nepal, Mr. Pawan Kumar Acharya and STAN member Mr. Manoj Kumar Khadka were the presenters in the program. All the representative science teacher of Kathmandu, Bhaktapur and Lalitpur districts took participant in the program.

Mr. Manoj Kumar Khadka presented on 'Part of Geology in School Level Science Education'. He discussed about the part of geology content in school curriculum. He also compared the previous syllabus with changed new syllabus of science in school level and also expressed his full disagreement on the changed syllabus.

Mr. Pawan Kumar Acharya presented on 'Scope of Geology in Nepal and Activities of International Geoscience Education Organization (IGEO)'. He talked about the scope of geoscience in coming future. He elaborated about the role of geoscience in tunnelling, mining, groundwater, and disaster risk management. IGEO organizes an International Earth Science Olympiad, international competition for pupils up to the age of 19 from school level students and expose them to the international geoscience society.

Dr. Subodh Dhakal delivered his speech on 'Geological Hazard and Disasters in Nepal'. He clarified about hazard, disaster, and its impact on Nepalese society. He further described the role of geology in hazard, their identification and mitigation of landslides. He encouraged the participants to flow the awareness about hazard in school level as they are best medium to spread the awareness about hazards.

Dr. Mukunda Bhattarai presented on 'Earthquake in Nepal and Earthquake Safety'. He clarified about the mechanism of earthquake and the role of Department of Mines and Geology in earthquake sources detection. Seismic station setup, variation of seismic wave and the earthquake history in Nepal was discussed in the presentation. Basic precautions to follow while shaking of earth without panic was told and presented. The basic component of earthquake for school level was discussed in the session.

After the presentation, an open discussion among the participants and experts was done where questionnaires were raised, and the solutions were further discussed in the forum. The program was concluded by STAN President Mr. Khil Kumar Pradhan and end with Hi-Tea.



INVITATION

Dear sir/madam

We cordially invite you in the **Interaction Program on Status of Geoscience Education in School Level of Nepal** jointly organized by Nepal Geological Students' Society (NGSS), Science Teachers' Association of Nepal (STAN), STEM Foundation Nepal and International Geoscience Education Organization (IGEO).

Supported by

Uniglobe SS/College, Kamaladi, Kathmandu

Program

Date : 2078 Poush 24, (8 Jan, 2022)

Time : 10:00 AM- 12:30 PM

Venue: Uniglobe SS/College, Kamaladi, Kathmandu



Interaction Program on Status of Geoscience Education in School Level of Nepal

Organized by:

Nepal Geological Students' Society (NGSS)

Science Teachers' Association of Nepal (STAN)

STEM Foundation Nepal

International Geoscience Education Organization (IGEO)



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Science Teachers' Association of Nepal (STAN)
STEM Foundation Nepal
International Geoscience Education Organization (IGEO)



Supported by

Uniglobe SS/College,
Kamaladi, Kathmandu

Date: 2078/09/24, Saturday

Time: 10:00AM - 12:30PM

Venue : Uniglobe SS/College, Kamaladi Kathmandu

Sessions	Time	Activities
MC: Mr. Roshan Neupane Executive Member, NGSS	10:00-10:30 AM	Registration of participants
	10:30-10:35 AM	Welcome speech by Ms. Anita Dallakoti , Executive Member, NGSS
	10:35-10:40 AM	Address by Mr. Ashok Choudhary , Principal, Uniglobe SS/College.
	10:40-10:45 AM	Address by Mr. Manoj Acharya , Central Secretary, STAN
	10:45-10:50 AM	Address by Mr. Surgeon B.C. , Founder Chairperson, STEM Foundation Nepal
	10:50-11:00 AM	<i>Part of Geology in school level Science Education</i> Mr. Manoj Kumar Khadka , Member, STAN & Science Teacher, Arunodaya Secondary School, Kathmandu
	11:00-11:10 AM	<i>Scope of Geology in Nepal and activities of International Geoscience Education Organization (IGEO).</i> Mr. Pawan Kumar Acharya , President, NGSS & Council Member from Nepal, IGEO
	11:10-11:20 AM	<i>Geoscience curriculum in school level and teaching methodology</i> Dr. Kabi Raj Paudyal , Assistant Professor, Central Department of Geology, Tribhuvan University, Kirtipur & Former President, Nepal Geological Society.
	11:20-11:30 AM	<i>Geological hazards and disasters in Nepal.</i> Dr. Subodh Dhakal Associate Professor, Tri-Chandra Multiple Campus, Tribhuvan University.
	11:30-11:40 AM	<i>Earthquake in Nepal and earthquake safety.</i> Dr. Mukunda Bhattarai Seismologist, Department of Mines and Geology.
	11:40 AM-12:00 PM	Open discussion among the participants and experts
	12:00-12:05 PM	Concluding Remarks: Mr. Khil Kumar Pradhan , President, STAN
	12:05-12:30 PM	Introduction with Hi Tea

A Glimpse of Interaction Program



Mr. Mukunda Bhattarai, Seismologist, Department of Mines and Geology presenting in the program



Dr. Subodh Dhakal, Associate Professor, Tribhuvan University, presenting in the interaction program.



Format of certificate provided to participant and presenter.

NEWS IN MEDIA

This news was published on following online news portal.

🌐 <https://khabarpaana.com/> विद्यालयस्तरमा-भू-विज्ञा/

🌐 <https://lokpati.com/2022/01/150529/?>

🌐 <https://lokpati.com/2022/01/150529/?>

Do you have news that would like to publish in the IGEO newsletter?

Write to the newsletter editor Michael Passow michael@earth2class.org