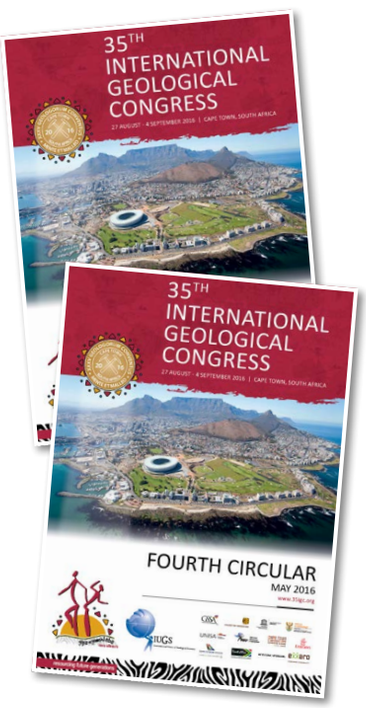
35TH INTERNATIONAL GEOLOGICAL CONGRESS

27 AUGUST - 4 SEPTEMBER 2016 | CAPE TOWN, SOUTH AFRICA

MAY 2016

DOWNLOADS

4rd Announcement Circular



SOCIAL MEDIA

Facebook

REGISTRATION

Book http://www.35igc.org/Verso/60/Registration before 31 May 2016 to avoid fee increase on 1 June 2016!

ACCOMMODATION

Book your accommodation http://www.35igc.org/Accommodation before 16 August 2016.

TOURS

DAY TOURS

Tour bookings http://www.35igc.org/Verso/216/Tours and payment will close on **17 August 2016.**

OVERNIGHT LEISURE TOURS

Tour bookings http://www.35igc.org/Verso/216/Tours and payment will close on **17 August 2016.**

ACCOMPANYING PERSONS TOURS

Tour bookings http://www.35igc.org/Verso/218/Accompanying-Persons and payment will close on **17 August 2016.**

We have negotiated preferential rates for conference delegates/exhibitors - all bookings have to be done via the Appointed Tours Agent to qualify for these reduced rates.

Terms and conditions apply and each tour is subject to a minimum and maximum number of participants. Should the minimum number not book the tour will be cancelled and you refunded. http://www.35igc.org/Uploads/Documents/tours/Extended

TAILOR-MADE TOURS

Travel to suit your specific needs. Contact vickyl@intoafrica.co.za to discuss your travel needs. Bookings and

Linked In

Twitter

payment will close on **17 August 2016.**

ACCOMPANYING PERSONS PROGRAM

For more information: http://www.35igc.org/Verso/218/Accompanying-Persons

Accompanying person registration includes:

- Orientation and welcome
- Orientation pack including small gift
- Access to spouses lounge with water, tea/coffee
- 1 x tour (details to follow)
- Attendance at the Welcome Reception
- *Excludes access to the Gala Dinner (Additional cost R1300 per person)*

SCIENTIFIC PROGRAM

THREE CORE TOPICS HAVE BEEN IDENTIFIED FOR THE 35TH IGC.

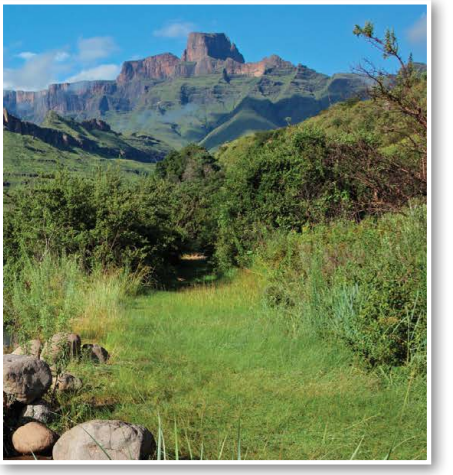
A total of 48 themes have been identified across all three core topics, covering the entire range of earth science subjects.

- **Geoscience for Society**
- **Fundamental Geoscience**
- **Geoscience in the Economy**

SYMPOSIA

For more information on proposed Symposia: http://www.35igc.org/Themes

CORE TOPICS	SCIENTIFIC SYMPOSIA
GEOSCIENCE FOR SOCIETY	• Geoheritage and Conservation • Geoscience Education and Public Communication • Public Sector Geoscience and Geological Surveys • Climate Change Studies • Groundwater and Hydrogeology • Soil Science • Geoscience Data and Information Systems • Geohazards • Proximal and Remote Sensing Technologies • History of the Geosciences • Medical Geology • Global Geoscience Professionalism and Geoethics • Geosciences for Benefitting Low-income Countries • Environmental Geosciences • Engineering Geology and Geomechanics
GEOSCIENCE IN THE ECONOMY	• Mineral Resources Evaluation, Geostatistics and Mathematical Geoscience • Mineral Exploration • Mineral Deposits and Ore Forming Processes • Coal • Petroleum Systems and Exploration • Unconventional Hydrocarbons and Emerging Fuels • Energy in a Carbon Constrained World • Applied Mineralogy and Geometallurgy • Mining Geology and Earth Resource Engineering • Critical Metals - a Global Perspective • Resourcing Future Generations • Gold Mineralizing Systems (jointly sponsored by SEG and SGA)
FUNDAMENTAL GEOSCIENCE	• Sedimentary Processes - Ancient to Modern • Basin Formation and Continental Margins • A Dynamic Earth • The Deep Earth • The Hadean and Archaean Earth • The Proterozoic Earth • Geochronology • Isotope Geoscience • Magmatism - Settings, Compositions and Processes • Mineralogy • Metamorphic Processes • Evolution of the Biosphere and Biogeoscience • Marine Geosciences and Oceanography • Arctic and Antarctic Geoscience • Surficial Processes and Landscape Evolution • Rock Deformation and Structural Geology • Palaeontology and Palaeo-anthropology • Instrumental, Experimental and Laboratory-based Developments in the Geosciences • Volcanology • Phanerozoic Earth History, Stratigraphy and the Geologic Time Scale • Planetary Sciences and Meteorite Impacts



PLENARY SPEAKERS

Visit http://www.35igc.org/Verso/219/Plenary-Speakers for more information.

PROFESSIONAL DEVELOPMENT WORKSHOPS & SHORT COURSES

BOOK AND PAY BEFORE 15 JUNE AND YOU WILL GO INTO THE LUCKY DRAW TO WIN ZAR 2 500 OFF YOUR WORKSHOP!

REGISTRATIONS ALREADY BOOKED AND PAID ARE ALSO ELIGIBLE.

WORKSHOPS AND SHORT COURSES OFFERED AT THE 35TH IGC INCLUDE:			
WORK-SHOP	TITLE	PRICE	DATES
WK1	Hyperspectral core imaging: an emerging technology for geological and mining applications	R2800.00	Sunday 28 August
WK2	Mathematical Morphology in Geosciences and Geoinformatics	R2500.00	Sunday 28 August
WK3	Social Responsibility for Geoscience Education Workshop	R2700.00	Sunday 28 August
WK4	Global-scale Geochemical Mapping	R1600.00	Saturday 27 & Sunday 28 August
WK5	Skills for Sustainability: Effective Application of Geology to International Development	R2800.00	Sunday 28 August
WK6	Drilling Short Course	R1700.00	Sunday 28 August
WK7	Single Polarised, multi-polarised and Polarimetric Radar Images	R3600.00	Sunday 28 August
WK8	Seafloor exploration and surveying techniques for the Earth Sciences: The state-of-the-art	R4100.00	Sunday 28 August
WK9	Geoscience Information for Teachers (GIFT)	R2750.00	Saturday 27 & Sunday 28 August

WK10	Use of the Win-Tensor program for tectonic stress reconstructions	R2500.00		Sunday 28 August
WK11	Developing Europe's International Observatory for Raw Materials	R1600.00		Sunday 28 August
WK12	Gold Deposits: Their Geology, Geochemistry and Genesis (SEG Workshop)	SEG Member	R6000.00	Saturday 27 & Sunday 28 August
		Non - SEG Member	R7000.00	
		SEG Student	R3000.00	
		Non - SEG Student	R3500.00	
WK13	Economic Geology 101 Short Course	SEG Member	R3000.00	Saturday 27 & Sunday 28 August
		Non - SEG Member	R4000.00	
		SEG Student	R2000.00	
		Non - SEG Student	R2500.00	
WK14	Understanding the role of groundwater in 21st Century		R3750.00	Sunday 28 August
WK15	Geochemical Reaction Modelling		R4900.00	Saturday 27 & Sunday 28 August
WK16	Trace Constituents in Coal: Occurrence, Emissions, and Environmental Impact		R2000.00	Sunday 28 August
WK18	An Introduction to Geologic Controls Critical to Coalbed Methane Production: Applying Analogous United States Experiences to Potentially Large Unconventional Gas Resources of Southern Africa		R3600.00	Sunday 28 August
WK19	The Geology and Geochemistry of Uranium and Thorium Deposits		R6600.00	Sunday 28 August
WK20	Iron Oxide Copper Gold (IOCG) and Iron Oxide Apatite (IOA) deposits: Mineralization, Alteration, and Exploration		R5800.00	Sunday 28 August
WK21	Artisinal Mining		TBA	Sunday 28 August
WK22	State-of-the-art Seismic Interpretation for Enhanced Mapping of Oil & Gas Reservoirs & Mineral Deposits		R3500.00	Sunday 28 August
WK23	AngloGoldAshanti Witwatersrand Core Workshop - 500Ma of Geological History		R3500.00	Friday 26 August
WK24	Remote Sensing for Mineral Exploration		R3100.00	Sunday 28 August
WK25	Tectonomagmatic Controls on Porphyry and Epithermal Mineralisation		R3800.00	Saturday 27 & Sunday 28 August
WK26	Real Geostatistics		R3000.00	Sunday 28 August
WK27	Working with Interoperable Geoscience Data		R800.00	Sunday 28 August
WK28	Vectoring to mineralisation using exploration geochemistry		R2400.00	Sunday 28 August
WK29	Bits of maths and stats for prospectively modelling		R1600.00	Saturday 27 August
WK30	Criteria for identifying contourite deposits	Delegate	R4200.00	Saturday 27 August
		Student	R2500.00	

BUSINESS MEETINGS

Business Meeting requests are awaited from Scientific Commissions, Joint Programs and Task Groups of the IUGS. Bookings for these meeting can be made via the booking site: **https://www.allevents.co.za/ei/getdemo.ei?id=222&s=_3F00S0JZ9**. To date, 32 meetings have been booked. Chairs and Executives of these associations are urged to book their meetings as soon as possible to ensure that they secure a meeting place!

IUGS BUSINESS MEETINGS

DATE	MEETING / FUNCTION	TIMING	VENUE
Thursday 25 August	IUGS Bureau Meeting (by invitation)	09:00 – 16:00	Venue to follow
Friday 26 August	IUGS Executive Committee Meeting (by invitation)	09:00 – 16:00	The Boardroom
Saturday 27 August	IUGS Executive Committee Meeting (by invitation)	09:00 – 16:00	The Boardroom
Monday 29 August 6	IUGS Reception (by invitation)	19:00	Venue to follow
Tuesday 30 August	IUGS Meeting with Affiliated Organizations (by invitation)	18:00 – 19:00	Venue to follow
Wednesday 31 August	IGCC Pre-council meeting (by invitation) pre-registration required	08:45 – 10:00	CTICC, Auditorium 2
Wednesday 31 August	IUGS – IGC Council Meeting (by invitation) (registration material starts 8:30)	10:30 – 16:00	CTICC, Auditorium 2
Wednesday 31 August	IGCC Post-council meeting (by invitation)	16:00 – 18:00	Venue to follow
Thursday 1 September	IUGS – IGC Council Meeting (by invitation) (registration material starts 8.30)	09:30 – 17:00	CTICC, Auditorium 2
Friday 1 September	IUGS Executive Committee Handover Meeting (by invitation)	Lunchtime	Venue to follow

FIELD TRIPS

BOOK AND PAY BEFORE 15 MAY AND YOU WILL GO INTO THE LUCKY DRAW TO WIN ZAR 20 000 OFF YOUR FIELD TRIP!

REGISTRATIONS ALREADY BOOKED AND PAID ARE ALSO ELIGIBLE.

Trip bookings http://www.35igc.org/Verso/173/Field-Trips and payment will close on **17 June 2016.**

UPDATE

Pre 10	Geology and Origin of a very large hot Orogen The High-T-Low-P Namqua Metamorphic Province
ExSA-Post7	Tectonic And Metamorphic Evolution Of The Paleoproterozoic Eburnean Orogeny, West African Craton In North-West Ghana. **CANCELLED**
ExSA-Post8	Gold In Southwestern Ghana
ExSA-Post9	Gold Deposits Of Loulo-Gounkoto, Mali
ODPost5	YES Field Trip

All tours will operate subject to the required minimum number of registrants and on designated dates only.
Terms and conditions: http://www.35igc.org/Uploads/Documents/tours/Extended

SPONSORSHIP

The Organizing Committee would like to extend to you an invitation to participate in the conference by sponsoring.
For details: http://www.35igc.org/Verso/45/Sponsors
Support here: https://www.allevents.co.za/ei/getdemo.ei?id=358&s=_4MG10LNEI

EXHIBITION

BOOK YOUR STAND BY 30TH JUNE TO AVOID DISAPPOINTMENTS AS STANDS ARE SELLING OUT FAST!

Additional exhibiting opportunities (The LOC reserves the right to place these exhibits and will confirm closer to the time with the final positioning)

- University poster stand (1.5m x 1.5m) - **Free** (Includes: pop up banner/ poster stand)
- University poster stand (1.5 x 3m) - **ZAR R23 255** (Includes: pop up banner/ poster stand with one table and two chairs)
- African Geological Surveys poster stand (1.5m x 1.5m) - **Free** (Includes: pop up banner/ poster stand)
- African Geological Surveys poster stand (1.5 x 3m) - **ZAR R23 255** (Includes: pop up banner/ poster stand with one table and two chairs)

- Core Shack poster stand (1.5m x 3m) - **ZAR R23 255** (Includes: pop up banner/ poster stand with customised table)

All of the above packages exclude: furnishings, brochure stands or shell scheme, stand representative or delegate registrations.

To book: https://allevents.eventsair.com/ExhibitionPortal/Account/Login?ReturnUrl=%2FExhibitionPortal%2F35igc%2Fexhibition

CURRENT EXHIBITOR LIST: http://www.35igc.org/Verso/44/Exhibitors-Advertisers

YES PROGRAMME

BOOK http://www.35igc.org/verso/60/registration BEFORE 31 MAY 2016 TO AVOID FEE INCREASE ON 1 JUNE 2016!

INDICATIVE PROGRAM YES 2016 CONGRESS

THE YOUNG EARTH SCIENTI STS (YES) NETWORK - will have a presence throughout the conference by co-ordinating a number of activities, functions and scientific sessions for members and other young scientists. The scientific sessions will be incorporated into the 35TH IGC scientifi c sessions. For More information visit http://www.35igc.org/Verso/5/Scientific-Programme

IAMG STUDENT TRAVEL GRANT PROGRAM

IAMG and YES Network will support young scienti sts and students to att end the IAMG-YES Joint session at 35TH IGC. If you have submitt ed your abstract to IAMG-YES Joint session then send your expression of interest to Dr. Wenlei WANG. For more informati on, check the IAMG website: https://www.iamg.org/index.php/publisher/arti cleview/frmArticleID/7

IAS TRAVEL GRANTS

IAS regularly sponsors sedimentology-related meeti ngs by awarding travel grants to parti cipati ng IAS student members. These travel grants are not intended to cover all expenses (i.e. travel, housing, registrati on) in enti rety, but rather to help alleviate the overall costs students may face when parti cipati ng in such meeti ngs. For more Informati on visit the IAS website: https://www.sedimentologists.org/grants. Contact: Dr. Meng Wang, President YES and Dr. Tanvi ARORA, Secretary General YES for any YES Program related query.

GEOHOST SUPPORT PROGRAMME

GeoHost applications are closed. To those that applied, adjudication is currently underway and should be completed by the end of May 2016.

If you would like to adopt a GeoHost applicant. **Purchase your brick or bricks in the GeoHost Wall today.** http://www.35igc.org/Verso/45/Sponsors

POST GRADUATE STUDENT AND POST DOCTORAL FELLOWS - REGISTRATION SUPPORT

Post graduate researchers from southern African universities will, with submission and acceptance of an abstract, be eligible to have their registration costs covered though sponsorship. Applications should be made to bertussmithgeohost@gmail.com referencing, "The Southern African Post Graduate Fund".

The application should be accompanied by the accepted abstract.

The success of the application is not guaranteed. Funding is dependent on the amount of sponsorship received.

TRAVEL

TO CAPE TOWN

The organising committee is proud to announce preferential rates for 35TH IGC delegates only on South African Airways during travel dates 5th August to 30th September 2016 and Emirates Airline during travel dates 22nd August 2016 to 9th September 2016.

On payment of your registration fees you will receive the promotional codes to be used on the respective websites to book these preferential rates.

VISAS

LETTER OF INVITATION

On receipt of payment (and only on request), the conference organisers will email a formal letter of invitation to those delegates needing one for visa purposes. It is understood that such an invitation is intended to help potential delegates to raise funds or to obtain a visa. However, it does not imply a commitment from the conference organisers to provide any financial support. Letters of invitation may be requested from the congress secretariat no later than 24 May 2016.

The 35th IGC will provide delegates with an official invitation letter to meet the requirements of a visitor's South African visa application only after registration and payment. Attendees traveling to other African Countries will need to arrange visa requirement with the respective Field Trip Operator.

VISA APPLICATION

The entry formalities and vaccination requirements for South Africa vary according to the country of origin of delegates. For specific information, please contact your local travel agent or the South African Consulate in your home country.

Note: Please visit the Department of Home Affairs at http://www.dha.gov.za/index.php/immigration-services/apply-for-a-south-african-visa ***for more information.***

NEW REQUIREMENTS FOR SOUTH AFRICAN VISAS

South Africa has introduced new regulations requiring travellers to the country, who need to obtain a visa, to submit in-person biometric data, at an approved South African visa centre in their country of origin, to support the application. Collection of processed applications will be from where the application was submitted. Original passport will be required as applicant's proof of identity and handing over of the visa label or refusal letter to applicants. Representative must provide an original Photo ID, an Authority Letter as well as the applicant's original passport if collecting the decision on behalf of the applicant/s.

http://www.southafrica.info/travel/south-africa-visa-amendments-261015.htm#.Vxm--XrGDl4

In respect of inbound travellers (international visitors), where visas are required, provision of original birth certificates or certified copies of required documents should continue during the visa application process, as this is in line with practice in many other countries.

Travellers from visa-exempt countries travelling with children will be strongly advised to bring with them proof of the relation and consent from the absent parents or guardians.

Read more: http://www.southafrica.info/travel/south-africa-visa-amendments-261015.htm#.Vxm--XrGDl4

Visas are required from some international travellers permanently resident outside South Africa who wish to visit the country on a temporary basis for tourism or business purposes for a period of 90 days or less for a specific purpose. http://www.dha.gov.za/index.php/immigration-services/apply-for-a-south-african-visa

- There is a fee charged for issuing a visa, and you should check the cost as this is updated annually. The fee is payable in different currencies in different countries.
- **Visas are not issued at South African ports of entry**, and airline officials are obliged to insist on visas before allowing passengers to board. If you arrive without a visa, immigration officials are obliged to put you onto a flight back to your home country.

A list of countries where the residents do not require a visa to enter South Africa or where visitors will be subject to specific conditions concerning the duration of their visit can be found here:

http://www.dha.gov.za/index.php/immigration-services/exempt-countries

VOLUNTEER PROGRAMME

The 2016 IGC will include a volunteer programme designed to:

- support the organisers and delegates before and during the congress
- facilitate participation by students and retirees involved in the Geosciences
- provide exposure and networking opportunities to students

APPLICATION PROCESS

Applications will open 26 April and must be completed online via volunteer application submission portal.
http://www.35igc.org/Verso/34/IGC-2016-VOLUNTEER-PROGRAM

PUBLICATIONS

The organising committee is pleased to introduce readers to two important special publications that will highlight many of the varied aspects of African geology, and which will be made available to delegates at the conference. During May 2016 we will request an expression of interest from attendees in receiving a copy of each or both. For more info visit http://www.35igc.org/Verso/164/GeoHeritage

Exxaro is one of the largest and JSE-listed black-owned, South Africa-based diversified resources companies, with current business interests in South Africa, Republic of the Congo and Australia, net assets of US$2.2bn and a market capitalisation of US$1bn as at 31 December 2015. Exxaro produces around 42 million tonnes of coal per annum, the majority for the national energy utility, Eskom, and the remainder for export and other domestic clients.

Minerals power much of the global economy and especially that of South Africa. The extraction of natural resources directly accounts for about 8.3% of the country's GDP and just over 30% of the country's merchandise exports. About 90% of South Africa's total electricity generation is derived from power stations fuelled by locally mined coal. Mining directly employs nearly half a million people and another half a million indirectly, accounting for 1 million of the 8 million people formally employed in South Africa. The industry returns billions of rands to the economy in operating costs, salaries and wages, capital expenditure, taxes, royalties, dividends and interest.

At Exxaro, we recognise that our business exists within the context of a society and has a contribution to make to the development of this society. We regard Exxaro as a tenant of its host communities, not the landlord, and a successful relationship with communities is fundamental to our business success and growth. We therefore balance a portfolio of social, environment and economic growth objectives and manage these according to the six-capitals model within our sustainability framework.

About 3% of Exxaro's profit is spent on community initiatives with R300 million budgeted for social and labour projects in the 2013-2017 period. The need to find sustainable solutions is of critical importance in the journey towards strategic, integrated, impactful socio-economic development and drives our transformation thinking even more so during the current global downturn.

Our strategy rests on five pillars:

1 We aim to demonstrate responsibility and accountability through engagement, legislative compliance, transparent reporting and diligent resource management in order to build inclusive wealth for all our stakeholders while aiming for an optimal footprint, limited and managed environmental impact and building an economically viable community that can sustain itself beyond the life of mine.

2 Exxaro aims to develop strong leadership and empowered employees to ensure a safe, healthy and skilled workforce.

3 We aspire for excellence in the way that we sweat our assets through productivity and efficiency improvements in order to increase the profitability of our operations and services.

4 We aim to deliver sustainable value and growth for shareholders through development and operation of a diversified portfolio of mining assets.

5 And finally, we aim to nurture a culture of innovation as the key to sustainability and competitiveness.

www.exxaro.com

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35TH IGC CONTACT INFORMATION

Invited parties interested in participating in this unique array of sponsorship opportunities, please contact

GENERAL ENQUIRIES: **Danie Barnardo**
barnardo@geoscience.org.za | phone **+27 (0)12 841 1072** | mobile **+27 (0)84 588 6668**

SPONSORSHIP OPPORTUNITIES: **Mike Wuth**
mikew@xbt.co.za | phone **+27 (0)11 486 1822** | mobile **+27 (0)82 784 4161**

EXHIBITION ENQUIRIES: **Lesley Ferreira**
lesley@cebisaconferences.co.za | phone **+27 (0)21 671 7670** | mobile **+27 (0)82 494 5475**

REGISTRATION ENQUIRIES: **35TH IGC Registration Team**
35IGC@allevents.co.za | phone **+27 (0)21 910 1913**

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giya ngomhlaba dance with earth

IUGS International Union of Geological Sciences IN COLLABORATION WITH:

exxaro POWERING POSSIBILITY

GSSA Council for Geoscience

Under the patronage of UNESCO

science & technology Department: Science and Technology REPUBLIC OF SOUTH AFRICA

UNISA university of south africa

NRF National Research Foundation

Cape Town & Western Cape Convention Bureau a division of WESGRO

Emirates

South African Airways A STAR ALLIANCE MEMBER

South Africa NATIONAL CONVENTION BUREAU