

# THE BRITISH GEOTECHNICAL ASSOCIATION

England & Wales · Charity number 284131

## Details

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Other names	THE BRITISH GEOTECHNICAL SOCIETY
Status	Registered
Legal form	Other
Registered	1982-03-22
Register	<a href="#">View on the Charity Commission register</a>

## Contact

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Address	1-7 Great George Street London SW1P 3AA
Phone	02076652007
Email	<a href="mailto:bga@ice.org.uk">bga@ice.org.uk</a>
Website	<a href="http://www.britishgeotech.org.uk">www.britishgeotech.org.uk</a>

## Activities

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**Objects:** THE ADVANCEMENT OF PUBLIC EDUCATION IN THE SUBJECT OF SOIL AND ROCK MECHANICS AND ENGINEERING GEOLOGY AND IN THEIR APPLICATION TO ENGINEERING.

**Activities:** The BGA arranges regular discussion meetings, regional lectures, periodical conferences, symposia & seminars, all based around the subjects of soil & rock mechanics & engineering geology and their application to engineering. The BGA also promotes training courses & seminars in the subject of geotechnology including regular competitions & symposia specifically for young geotechnical professionals.

## Classification

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- **How:** Makes Grants To Individuals, Provides Advocacy/advice/information
- **What:** Education/training, Environment/conservation/heritage
- **Who:** Other Defined Groups

## Geography

- Northern Ireland
- Scotland
- Throughout England And Wales

## Finances

Period end	Income	Expenditure	Assets	Employees
2024-12-31	£232,247	£300,973	-	-
2023-12-31	£309,303	£342,302	-	-
2022-12-31	£185,027	£184,463	-	-
2021-12-31	£206,671	£176,176	-	-
2020-12-31	£116,316	£140,114	-	-

## Trustees

Name	Role	Appointed
<b>Chaido Doulala-Rigby</b>	Chair	2025-06-25
Alan Phear		2024-06-12
Charlotte Woodhall Jones		2025-06-25
Dr Hoe Chian Yeow		2023-06-21
Dr James Lawrence		2025-06-25
Dr Natalie Wride		2024-06-12
Dr Pedro Ferreira		2023-06-21
Emily Riley		2024-06-12
James De Waele		2025-06-25
Neda Mokaram Ghotorlar		2025-06-25
Zoi Christina Mavrommati		2023-06-21

**THE BRITISH GEOTECHNICAL ASSOCIATION**

England & Wales - Charity number 284131

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# Accounts

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Charity Number 284131

**THE BRITISH GEOTECHNICAL ASSOCIATION**

Annual Report and Financial Statements for the year ended 31 December 2024

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## LEGAL AND ADMINISTRATIVE INFORMATION

The British Geotechnical Society was formed in 1949 as an unincorporated association. It became a registered charity by statutes adopted December 1981 as amended in January 1997. It became the British Geotechnical Association by statutes adopted in June 2000 and amended in June 2005, June 2011 and June 2017. The charity number is 284131.

### **The charity trustees who served during the year were:**

Dr A Ridley, Chair  
Ms C Doulala-Rigby, Vice Chair  
Dr P Ferreira  
Ms Z Mavrommati  
Dr H Yeow  
Dr K Briggs  
Dr K Tsiampousi  
Prof G Viggiani  
Mr D Daskalopoulos (to 12 June 2024)  
Dr G Katsigiannis (to 12 June 2024)  
Eur Ing Dr S Thomas (to 12 June 2024)  
Mr A Phear (from 12 June 2024)  
Dr N Wride (from 12 June 2024)  
Ms E Riley (from 12 June 2024)

### **The method of appointment or election of trustees and the name of any body or person entitled to nominate or appoint one or more trustees is as follows:**

The Trustees of the British Geotechnical Association are the members of its committee.

The committee comprises:

Chairman  
Vice-Chairman  
9 Elected Members

The Chairman and Vice Chairman of the Association shall be elected by members of the committee.

Only members of the Association shall be members of the Committee. This requirement may be waived if the Committee agrees.

The members to be elected by ballot shall be nominated by not less than three members of the Association.

Honorary Officers shall not be entitled to vote at Committee Meetings.

Details of Membership classes are under Association Organisation.

## LEGAL AND ADMINISTRATIVE INFORMATION

The principal office of the charity is:

One Great George Street  
Westminster  
London SW1P 3AA

Names and addresses of other relevant organisations:

### Bankers

CAF BANK Limited  
PO Box 289  
West Malling  
Kent ME19 4TA

### Solicitors

Solicitors are appointed from time to time as the need arises.

### Independent examiner

Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

### Investment Advisers

Coutts & Co  
440 Strand  
London WC2R 0QS

## OBJECTIVES, POLICIES AND ORGANISATION

### Investment Policy

Management of investments is delegated by the Committee to Coutts & Co. The fund is managed with an emphasis on long term capital growth (eight years or longer) and a moderate to high approach to risk

### Reserves Policy

The trustees consider it prudent to keep unrestricted reserves at levels which ensure that there are sufficient funds to meet the needs of current and future activities. The activities of the Association are largely regular and predictable in the medium to long term. Reserves can therefore be relied on to act as contingency in the event of income flows being disrupted. Reserves have decreased this year due to a planned increase in expenditure for BGA events and initiatives to draw the unrestricted free reserves down (see below). Our unrestricted free reserves amounted to £536,920 (2023 - £549,896).

To continue to reduce the reserves, in 2023 the Association implemented further initiatives that support its objectives. Such initiatives include free membership for students, introducing a Research & Development Fund to support developments in the industry, creating a Publicity Campaign to increase engagement in the geotechnical engineering sector. These initiatives were continued in 2024 and in addition the Association also ran a mini-symposium for the members and a special conference was held for the members to celebrate the 75th anniversary of the BGA.

### Charity objectives

The objects of the Association are the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering.

### Summary of policies adopted to further the objects of the Association

- a) To hold regular meetings for discussion of subjects lying within the above fields.
- b) To arrange for the holding of periodical and regional conferences, symposia and seminars.
- c) To co-operate in the activities of International Societies of which the British Geotechnical Association is a member and with such bodies as may be appropriate.
- d) Generally promote training courses and seminars in the field of geotechnology.
- e) To do lawful things as shall further the above objects.

There are no changes in the Association's objects from the previous year.

### Association Organisation - Committee

The affairs of the Association are managed by the Committee.

### Membership

Individual membership shall be open to those professionally engaged or otherwise actively interested in work lying within the scope of the Association, upon payment of the appropriate entrance fee and annual subscription.

Corporate membership shall be open to all organisations, or parts of organisations, engaged or otherwise actively interested in any aspect of geotechnical engineering.

Subscriptions may only be modified with the approval of the Annual General Meeting or a Special General Meeting.



## **OBJECTIVES, POLICIES AND ORGANISATION**

### **Sponsorship**

The following three bodies shall be associated in the sponsorship of the Association.

- a) The Institution of Civil Engineers
- b) The Institute of Materials, Minerals and Mining
- c) The Geological Society of London

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 1 COMMITTEE STRUCTURE AND ACTIVITIES

Throughout 2024 Professor Andrew Ridley was Chair of the Association, Mrs Yuli Doulala-Rigby was Vice-Chair of the Association, Mr Tony Bowerman was Honorary Treasurer, Mr Nicholas Armstrong was Honorary Secretary and Dr Martin Preece was Honorary Communications Officer. Professor David Toll, who was Chair of the Association from June 2021 to June 2023, stepped down as Immediate Past Chair in June 2024. These roles are key to the continuity and smooth running of the BGA. They ensure that the Association fulfils its obligations and that the statutes are complied with.

The terms of office for Dimitrios Daskalopoulos, Georgios Katsigiannis and Dr Stephen Thomas came to an end in June 2024. They were very active members of the committee and we thank them for their service.

Alan Phear, Emily Riley and Dr Natalie Wride were elected to the Committee by the membership and started their terms of office in June 2024. We welcome them and thank them for volunteering.

The Executive Committee is divided into a number of sub-committees and the following people have had particular responsibilities during 2024:

- Truong Le is a guest member of the committee with responsibility for organising the Rankine lecture and associated events.
- Professor Giulia Viggiani led the prizes and awards sub-committee.
- Hoe Chian Yeow co-ordinated organising the evening meetings.
- Dr Katerina Tsiampousi led the group organising events for Young Professionals which included the Cooling Prize. Mr Sergio Solera continued as a guest member of the Committee to support the Cooling Prize activities.
- Palak Shukla and Cheng Wei Kwang represented the Early Career Group (ECG).
- Christina Mavrommati coordinated events for Geotechnologists.
- Dr. Kevin Briggs continued in the role of liaising with Regional Groups and led the Technical Committee for the Earthworks 2025 conference.
- Emily Riley took over from Tony Bowerman as the BGA's representative on the Ground Forum.
- Yuli Doulala-Rigby continued as the BGA's representative on the Ground Engineering editorial panel.
- In his role as BGA Treasurer Tony Bowerman was also responsible for administering the BGA Knowledge Support Fund.
- In her role as Vice Chair, Yuli Doulala-Rigby organised the 2024 Annual Conference and was assisted by Dimitrios Daskalopoulos, Professor Giulia Viggiani and Kate Beardsley.
- Professor Kelvin Higgins continued in the role of ICE representative.
- Neil Smith continued as ISSMGE liaison and James Lawrence as ISRM liaison.
- John Davis represented the Engineering Group of the Geological Society (EGGS).
- Paul Perry represented the British Tunnelling Society (BTS).
- Emilio Linde-Arias represented the Institute of Materials, Minerals and Mining (IOM3).
- Mr Dave Woods represented the International Geosynthetics Society (IGS).
- Mr Adam Latimer represented the Association of Geotechnical and Geo-environmental Specialists (AGS).
- Ms Nia Kajastie represented Ground Engineering Magazine (GE).

**REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR****2 MEETINGS**

BGA events held during 2024 included the 62nd Rankine Lecture, the John Mitchell Lecture, the Fleming Award, the Cooling Prize, the Geotechnical Engineering Proceedings Lecture, the Annual Conference, a half-day mini-symposium, a special event to mark the BGA's 75th Anniversary including the Annual Dinner/Lecture and four other evening lectures. Most events in 2023 were organised as hybrid events allowing on-line attendance. The exceptions to this were the Annual Conference and the Annual Lecture/Dinner.

In January 2024 the John Mitchell Lecture was delivered by Dr Barnali Ghosh on 'Creating added value through adaptive design - A seismic perspective.' 120 people attended the lecture and 143 watched it online.

A half-day mini-symposium on the Observational Method was held at the Institution of Civil Engineers in February 2024. 100 people attended.

The 62nd Rankine Lecture was delivered by Professor Lidija Zdravkovic of Imperial College London on "Geotechnical Engineering for a Sustainable Society". It was held as an in-person event with approximately 800 attendees and was also watched worldwide as a live webcast. The Lecture and the Rankine Dinner were held at Imperial College London on 13 March 2024.

In April 2024 the BGA held a joint meeting with the British Tunnelling Society and the Engineering Group of the Geological Society of London. The lecture "Groundwater lowering for construction of the Kilsby Tunnel on the London to Birmingham railway" was given by Mike Chrimes and Dr Martin Preene at the ICE. The paper of the same name was awarded the BGA Case Histories Prize in 2023. 91 people attended the event and 261 people watched in online.

In May 2024 a hybrid BGA Evening Meeting on "Chalk characterisation for and driven pile behaviour at chalk sites" was presented by Professor Richard Jardine and Dr Ken Vinck of Imperial College London. The work was awarded the BGA Medal in 2023. 76 people attended the event and 160 people watched it online.

The BGA Annual Conference was held in June 2024. To mark 50 years of the BGA being the UK member society for the International Society for Rock Mechanics and Rock Engineering the 2024 Annual Conference was themed around rock mechanics. 197 people attended the event in person. As usual the BGA held its AGM as part of the conference.

The BGA/IGS (UK) Invitational Lecture "Understanding the behaviour of geosynthetic reinforced pile supported embankments" was held at the ICE in September 2024. The lecture was presented by Suzanne van Eekelen of Deltares in The Netherlands. 32 people attended the event and 89 people watched it online.

In October the BGA held a Special Conference to celebrate 75 years since it was formed. The event included recollections from past BGA Chairs and Officers, and the 55th Cooling Prize competition, won by Thomas Riccio (University of Dundee) with his paper on "Pile installation effects and plugging in soft rock." The event was finished off by the second Annual BGA Dinner with the guest lecture delivered by Professor Lord Robert Mair of the University of Cambridge. 164 people attended the event in person.

In November 2024 a hybrid BGA Evening Meeting on "Green, green, grass on slopes – geotechnical aspects of slope stability and erosion protection using nature-based solutions" was presented by Professor Slobodan B. Mickovsk of Glasgow Caledonian University 35 people attended the event and 171 people watched it online.

Also in November 2024, the Geotechnical Engineering Proceedings Lecture "Monitoring of a Large Diameter Caisson in Sand" was presented by Dr Ronan Royston, Dr Brian Sheil and Professor Byron Byrne.

The BGA Touring Lecture for 2024 was given by Professor Bruno Stuyts of University of Ghent, Belgium. The title of his lecture was "Applications of machine learning in geotechnical site characterization and design." The lecture was hosted by the Northern Geotechnical Group in Newcastle, the Midland Geotechnical Society in Birmingham and the South-West Geotechnical Group in Bristol.

Three online Geotechnologists events were held in 2024. "Sampling, why it is important, why does it need to be done properly, and what can go wrong?" was given by Christopher Swainston. "Innovation at the Construction Site....by Engineers in White Coats, Brown Coats, and Hi-Viz PPE" was given by Brian Sharkey, and "Proving your competence as a skilled Geotechnologist" was given by Julian Lovell.

The Fleming Award was held in December 2024 and it was won by Fehily Timoney and Company, Ramboll UK, John Sisk & Son Holdings Ltd, Menard UK and Transportation Infrastructure Ireland for their project presentation on the Dunkettle Interchange Upgrade Scheme in Cork, Ireland. While the judging was underway, Thomas Riccio reprised his Cooling Prize winning presentation on "Pile installation effects and plugging in soft rock."

Throughout 2024 the BGA ECG (Early Career Group) was extremely active. Their flagship event "Preparing for ICE Chartered Professional Review" was held at the ICE in February and 110 people attended (20 in person and 90 online). In addition they held events to promote the 2nd Edition of the ICE Manual of Geotechnical Engineering (MOGE) and a 'Welcome/Annual Networking Event' at the ICE in October.

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 3 PRIZES AND AWARDS

During 2024 the following prizes were awarded:

- The BGA Medal was awarded to Professor Glenn McDowell (University of Nottingham) and Dr. John de Bono (BFY Group) for their paper "Particle-scale insights into the compression and shearing of clay"
- The BGA Case Histories Award was won by Professor Brian Sheil (University of Cambridge), Peter Hensman (Ward & Burke) and Dr. Zhandos Orazalin (Mott MacDonald) for their work on "Monitoring and Performance Assessment of a Deep Excavation Cofferdam: Insights from the PROTOS Energy-from-Waste Facility."
- The Cooling Prize was won by Thomas Riccio (University of Dundee) with his paper on "Pile installation effects and plugging in soft rock."
- The Fleming Award was won by Fehily Timoney and Company, Ramboll UK, John Sisk & Son Holdings Ltd, Menard UK and Transportation Infrastructure Ireland for their project presentation on the Dunkettle Interchange Upgrade Scheme in Cork, Ireland.
- The John Mitchell Award: Mrs Yvonne Ainsworth
- The BGA Masters' Dissertation Prize: Thirimadura Supun Surendra Mendis (Imperial College London) for a dissertation on "Advanced 3D Numerical Modelling of Deep Basement and Tunnel Interaction in London."

The BGA continued to honour its commitment to supporting the furtherment of the knowledge and education of its members through the BGA Knowledge Support Fund Award (previously BGA Fund). Six awards were made in 2024. In addition the BGA supported industry and academic investigator-led applied geotechnical research through its Research Development Fund.

### 4 COMMENTS

The BGA continued to monitor the attendances at lectures and other events throughout 2024, and it seems to have now recovered to pre-pandemic levels.

At the close of 2024, the BGA had 1479 individual members and 49 corporate members. These are up 185 and 8 respectively on the numbers at the end of 2023 and the number of individual members has continued to grow since 2022. The BGA recognises the importance of attracting new, younger members. At the end of 2024 the number of student members was 174.

During 2024, it was recognised that as an unincorporated association the BGA is not able to enter into contracts and Trustees of the Association are personally liable for their actions, including financial matters. To address this Trustee and Officer's Insurance was put in place and investigations were started into incorporating the BGA. This process is still ongoing at the end of 2024.

**Dr Andrew Ridley (BGA Chair)**

**Importance of the efforts of unpaid volunteers and provision of free facilities and services**

The success of the Association continues to depend entirely on the work of very many people, those who have served on its committees and working groups, those who have spoken and taken part in its meetings, and those who have helped in many other ways. The British Geotechnical Association would like to take this opportunity to register its appreciation of the efforts of all those who so willingly helped during the year.

**Review of the transactions and financial position of the charity**

**Unrestricted Funds**

Membership subscriptions include subscriptions to the publication Ground Engineering  
The Committee considers the reserves to be adequate to meet its on-going activities:  
Surplus funds are placed on short term deposit.

A deficit of £47,631 income over expenditure for the year has decreased the unrestricted fund, which amounts to £263,045 at the year end. This compares to a deficit in the unrestricted fund of £3,175 in 2023.

**Designated Funds - Rankine Fund**

The fund balance at the year-end amounts to £268,024 after an investment gain of £33,450 compared to a gain of £23,484 in 2023 and an excess of income over expenditure of £32,533, compared to an excess of income over expenditure of £11,987 in 2023.

Investment income is used to fund the Rankine Lecture

**Designated Funds - The BGA Knowledge Support Fund**

The fund balance at the year-end amounts to £5,851 after awarding bursaries to eleven recipients, totalling £8,046 and interest received of £168, compared to £100 received in 2023. £10,000 was transferred from the income received for the Rankine Dinner in unrestricted funds

The BGA Knowledge Support Fund (previously referred to as the BGA Fund) is intended to aid students and early career professionals in geotechnics and allied subjects (normally under 35 years of age) in their training, development and experience (including funding of teaching, research and travel, e.g. conference attendance, exchanges with young graduates in other countries). It is also for raising the understanding and the appreciation of geotechnics by the public, particularly pupils at schools and colleges (to further the interest in geotechnics as a career) and other technical/scientific professionals (to encourage the employment of experts in geotechnics on projects wherever appropriate).

**Degree of Financial Dependency**

As discussed above the Association is dependent on the voluntary efforts of its members

**Risk Assessment**

A risk assessment with respect to the finances of the BGA has been carried out by the Financial and General Purposes sub-committee. A register of risks has been established which is reviewed at least annually. Where appropriate, measures have been identified to mitigate the risks the charity faces.

**Organisational Context**

The Association's role is the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering, which is not something that can exist in isolation and there are many important links with other engineering disciplines and sciences. Although totally separate from other organisations, the Association seeks to co-operate in areas of common ground with other bodies.

The Annual Report on pages 2 to 9 was approved by the Committee on 03 June 2025 and was signed on its behalf by



Dr Andrew Ridley - Chair of the Committee

**Independent Examiner's Report to the Trustees of the British Geotechnical Association**

I report to the Trustees on my examination of the accounts of the British Geotechnical Association for the year ended 31 December 2024, which are set out on pages 11 to 17.

**Respective responsibilities of trustees and examiner**

As the charity trustees of the Association, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ('the Act'). I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity.

**Independent Examiner's statement**

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:

1. accounting records were not kept in respect of the Trust as required by section 130 of the Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair view' which is not a matter considered as part of an independent examination.

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.



Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

24 June 2025

**THE BRITISH GEOTECHNICAL ASSOCIATION  
STATEMENT OF FINANCIAL ACTIVITIES  
(INCLUDING INCOME AND EXPENDITURE ACCOUNT)  
FOR THE YEAR ENDED 31 DECEMBER 2024**



	Notes	Unrestricted £	Designated £	2024 Total £	2023 Total £
<b>Income from:</b>					
Charitable activities	3	118,278	-	118,278	117,002
Other trading activities	4	88,673	10,000	98,673	177,897
Investment Income	5	7,410	7,886	15,296	14,404
<b>Total Incoming</b>		214,361	17,886	232,247	309,303
<b>Expenditure on:</b>					
Raising funds	6	104,990	8,635	113,625	189,375
Charitable activities	7	179,302	8,046	187,348	152,927
<b>Total expenditure</b>		284,292	16,681	300,973	342,302
<b>Net gains / (losses) on investments</b>	8				
Realised		8,068	12,102	20,170	(1,065)
Unrealised		14,232	21,348	35,580	40,204
		22,300	33,450	55,750	39,139
<b>Net income and net movement in funds</b>		(47,631)	34,655	(12,976)	6,140
<b>Reconciliation of funds</b>					
Total funds brought forward		310,676	239,220	549,896	543,756
Total funds carried forward		263,045	273,875	536,920	549,896

The statement of financial activity includes all gains and losses in the period.

All income and expenditure derives from continuing activities.


THE BRITISH GEOTECHNICAL ASSOCIATION  
BALANCE SHEET AT 31 DECEMBER 2024




	Notes	2024	2023
		£	£
<b>FIXED ASSETS</b>			
Market value of investments	8	549,039	483,259
<b>CURRENT ASSETS</b>			
Cash at bank		79,716	165,948
Cash on short term deposit		18,896	9,429
Debtors	9	61,030	22,938
		<hr/>	<hr/>
		159,642	198,315
<b>CURRENT LIABILITIES</b>			
Creditors	10	171,761	131,678
		<hr/>	<hr/>
<b>NET CURRENT ASSETS</b>		(12,119)	66,637
		<hr/>	<hr/>
<b>TOTAL ASSETS</b>	11	536,920	549,896
		<hr/> <hr/>	<hr/> <hr/>
Financed by:			
<b>ACCUMULATED FUNDS</b>			
Unrestricted	11	263,045	310,676
Designated Funds	12	273,875	239,220
		<hr/>	<hr/>
		536,920	549,896
		<hr/> <hr/>	<hr/> <hr/>

The notes on page 13 to 17 form part of these financial statements.

Approved by the committee on 03 June 2025 and signed on its behalf by:

  
Dr Andrew Ridley  
Chair

  
Tony Bowerman  
Honorary Treasurer

**Notes to the financial statements for the year ended 31 December 2024**

**1 Responsibilities of the Committee**

The Committee is responsible for maintaining proper accounting records which disclose with reasonable accuracy at any time the financial position of the Association and for taking reasonable steps for the prevention and detection of fraud and other irregularities.

In preparing the financial statements the Committee are required to :

- a) select suitable accounting policies and then apply them consistently
- b) make judgements and estimates that are reasonable and prudent
- c) prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Association will continue to operate.

**2 Accounting Policies**

The financial statements have been prepared in accordance with the Financial Reporting Standard 102 (effective January 2019) (FRS 102), the Companies Act 2006 and the requirements of the Statement of Recommended Practice (SORP) applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019) (Charities SORP FRS 102).

are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

There are no material uncertainties about the charity's ability to continue, and so the going concern basis of accounting has been adopted.

**Income**

All subscriptions and investment income is accounted for when received, except in the case of subscriptions which are specifically stated to be in respect of an ensuing accounting period. No credit is taken for subscriptions unpaid at the

Trading income from events is accounted for when the Association has entitlement to the income, the income is probable and can be measured reliably.

**Expenditure**

Expenditure is recognised when there is a legal or constructive obligation to transfer resources to a third party, settlement is probable and the amount can be measured reliably. Expenditure is included within the Statement of Financial Activities on

**Fund Accounting**

Unrestricted funds can be used in accordance with the charitable objectives of the Society, at the discretion of the Trustees. Restricted funds can only be used for the particular restricted purposes within the objectives of the Society.

The association has the following designated funds:

***Rankine Fund***

The Rankine Fund has been consolidated into the British Geotechnical Association accounts.

***The BGA Knowledge Support Fund (previously BGA Fund)***

The BGA Knowledge Support Fund has been consolidated into the British Geotechnical Association accounts.

**Investments**

investments relate and are identified as unrealised. Cash held as part of the investments portfolio is included in investments.

**Taxation**

The charity is exempt from taxation on its charitable activities.

Notes to the financial statements for the year ended 31 December 2024

**3. Charitable activities**

	2024		2023	
	£	£	£	£
<i>Members subscriptions</i>				
United Kingdom	101,804		100,150	
Europe	5,807		6,662	
Africa	577		476	
Asia	3,461		4,062	
Australasia	3,716		3,657	
North America	2,509		1,495	
South America	404		500	
		118,278		117,002

**4. Other trading activities**

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner	25,720	-	10,000	35,720
Annual Conference	18,950	-	-	18,950
Annual Members Dinner	27,250	-	-	27,250
Early Career Group	9,400	-	-	9,400
Other Function Income	7,240	-	-	7,240
Book sales and royalties	113	-	-	113
	88,673	-	10,000	98,673

**5. Investment Income**

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Investment Income	7,410	7,718	168	15,296

**6. Raising funds**

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner/Lecture	31,375	6,935	-	38,310
Annual Conference	13,780	-	-	13,780
Annual Members Dinner	36,002	-	-	36,002
Touring Lecture	2,362	-	-	2,362
Early Career Group	9,999	-	-	9,999
YGEC	1,564	-	-	1,564
Special Events	8,775	-	-	8,775
Investment Management Fee	1,133	1,700	-	2,833
	104,990	8,635	-	113,625

THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2024

<b>7. Charitable activities</b>	<b>2024</b>	<b>2023</b>
	<b>£</b>	<b>£</b>
Subscriptions to other bodies	19,228	17,395
Awards & prizes	10,786	8,251
Administration	26,833	23,958
Honoraria	11,700	11,700
Website	3,558	4,854
Insurance	1,001	-
Postage	17	30
Printing, stationery and photocopying	2,980	2,880
Publicity and Promotion	13,860	3,960
Meeting expenses	6,864	1,288
Publication - Ground Engineering	80,431	75,188
Other expenses	66	-
Professional Fees	2,160	-
Reviewer Fee	1,170	1,158
Cost of trustees meeting	2,677	1,247
Community support activities	3,900	913
Bank charges	117	105
	<u>187,348</u>	<u>152,927</u>
	<u><u>187,348</u></u>	<u><u>152,927</u></u>
<b>8. Investments - Rankine fund</b>	<b>2024</b>	<b>2023</b>
	<b>£</b>	<b>£</b>
Market value at 1 January 2024	478,382	422,924
Disposals at market value	(442,084)	(216,121)
Acquisitions at cost	453,378	232,440
Net gain on revaluation	55,750	39,139
	<u>545,426</u>	<u>478,382</u>
Listed investments at market value at 31 December 2024	545,426	478,382
Cash on deposit awaiting investment	3,613	4,877
	<u>549,039</u>	<u>483,259</u>
Market value as at 31 December 2024	<u><u>549,039</u></u>	<u><u>483,259</u></u>
<b>9. Debtors</b>	<b>2024</b>	<b>2023</b>
	<b>£</b>	<b>£</b>
Other Debtors (including Prepayments)	22,001	13,704
Amount due from ICE	39,029	9,234
	<u>61,030</u>	<u>22,938</u>
	<u><u>61,030</u></u>	<u><u>22,938</u></u>



THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2024

10. Creditors	2024 £	2023 £
Creditors and accruals	119,806	108,624
Subscriptions and other receipts in advance	51,955	23,054
	171,761	131,678

Funds held on behalf of FMGM amount to £28,419 at year end.

11. Analysis of net assets between funds	Unrestricted Funds £	Designated Funds £	Total Funds £
<b>Fund balances at 31 December 2024 represented by:</b>			
Investments	219,616	329,423	549,039
Current assets	152,100	7,542	159,642
Current liabilities falling due within one year	(171,761)	-	(171,761)
Transfer between funds	63,090	(63,090)	-
	263,045	273,875	536,920

**Fund balances at 31 December 2023 represented by:**

Investments	193,303	289,956	483,259
Current assets	194,586	3,729	198,315
Current liabilities falling due within one year	(131,678)	-	(131,678)
Transfer between funds	54,465	(54,465)	-
	310,676	239,220	549,896

12. Designated fund analysis	Rankine Fund £	BGA Knowledge Support Fund £	Total £
Balance brought forward at 1 January 2024	235,491	3,729	239,220
Dividends and interest received	7,718	168	7,886
Designated income	-	10,000	10,000
Designated expenditure	(6,935)	(8,046)	(14,981)
Investment Management fees	(1,700)	-	(1,700)
Gain on investment assets	33,450	-	33,450
	268,024	5,851	273,875



## THE BRITISH GEOTECHNICAL ASSOCIATION

### Notes to the financial statements for the year ended 31 December 2024

#### 13. Trustee expenses

Expenses reimbursed to 3 Trustees, relating to Annual Conference, FMGM expenses, Post op flowers and Trustee meetings

	2024	2023
	£	£
	478	7,034
	<u>3</u>	<u>8</u>

#### 14. Honorary Officers

During the year, the Association's Honorary Officers received honoraria amounting to the following:

	2024	2023
	£	£
Nick Armstrong - Honorary Secretary	6,000	6,000
Tony Bowerman - Honorary Treasurer	3,600	2,100
Martin Preene - Honorary Publicity Officer	2,100	1,500
Yvonne Ainsworth - Honorary Treasurer until 2023	-	2,100
	<u>11,700</u>	<u>11,700</u>

#### 15. Staff

The Association does not employ staff directly.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

England & Wales - Charity number 284131

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# Accounts

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Charity Number 284131

**THE BRITISH GEOTECHNICAL ASSOCIATION**

Annual Report and Financial Statements for the year ended 31 December 2023

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**LEGAL AND ADMINISTRATIVE INFORMATION**

The British Geotechnical Society was formed in 1949 as an unincorporated association. It became a registered charity by statutes adopted December 1981 as amended in January 1997. It became the British Geotechnical Association by statutes adopted in June 2000 and amended in June 2005, June 2011 and June 2017. The charity number is 284131.

**The charity trustees who served during the year were:**

	<u>Co-opted</u>
Prof D Toll, Chair (to 21 June 2023)	Prof K Higgins, Immediate Past Chair - ex officio (to 21 June 2023)
Dr A Ridley, Vice Chair (to 21 June 2023)	Prof K Higgins (from 21 June 2023)
Dr A Ridley, Chair (from 21 June 2023)	Prof D Toll, Immediate Past Chair - ex officio (from 21 June 2023)
Ms C Doulala-Rigby, Vice Chair (from 21 June 2023)	Ms E Riley (ECG) (to 21 June 2023)
Mr C Barker (to 21 June 2023)	Mr G Evans (ECG) (to 21 June 2023)
Ms S Markvukaj (to 21 June 2023)	Dr C Wong (ECG) (from 21 June 2023)
Mr D Daskalopoulos	Dr P Shukla (ECG) (from 21 June 2023)
Dr G Katsigiannis	Mr J Davis (EGGS)
Eur Ing Dr S Thomas	Dr T Le (Rankine Lecture)
Dr K Briggs	
Dr K Tsiampousi	<u>Guests</u>
Prof G Viggiani	Dr J Lawrence (ISRM)
Dr P Ferreira (from 21 June 2023)	Mr P Perry (BTS)
Ms Z Mavrommati (from 21 June 2023)	Eur Ing N Smith (UK RoGEP, ISSMGE)
Dr H Yeow (from 21 June 2023)	Mr E Linde-Arias (IMMM) (to 21 June 2023)

**The method of appointment or election of trustees and the name of any body or person entitled to nominate or appoint one or more trustees is as follows:**

The Trustees of the British Geotechnical Association are the members of its committee.

The committee comprises:

- Chairman
- Vice-Chairman
- 2 Representatives of the Institution of Civil Engineers
- 9 Elected Members
  - 1 Representative of the Geological Society of London (Geol Soc)
  - 1 Representative of the Institute of Materials, Minerals and Mining (IMMM)
  - 1 Representative of the British Tunnelling Society (BTS)
  - 1 Representative of the International Society for Rock Mechanics (ISRM)
- Co-opted members

The Chairman and Vice Chairman of the Association shall be elected by members of the committee.

Only members of the Association shall be members of the Committee. This requirement may be waived if the Committee agrees.

The members to be elected by ballot shall be nominated by not less than three members of the Association.

Honorary Officers shall not be entitled to vote at Committee Meetings.

Details of Membership classes are under Association Organisation.

## LEGAL AND ADMINISTRATIVE INFORMATION

The principal office of the charity is:

One Great George Street  
Westminster  
London SW1P 3AA

Names and addresses of other relevant organisations:

### **Bankers**

CAF BANK Limited  
PO Box 289  
West Malling  
Kent ME19 4TA

### **Solicitors**

Solicitors are appointed from time to time as the need arises.

### **Independent examiner**

Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

### **Investment Advisers**

Coutts & Co  
440 Strand  
London WC2R 0QS

## OBJECTIVES, POLICIES AND ORGANISATION

### Investment Policy

Management of investments is delegated by the Committee to Coutts & Co. The fund is managed with an emphasis on long term capital growth (eight years or longer) and a moderate to high approach to risk.

### Reserves Policy

The trustees consider it prudent to keep unrestricted reserves at levels which ensure that there are sufficient funds to meet the needs of current and future activities. The activities of the Association are largely regular and predictable in the medium to long term. Reserves can therefore be relied on to act as contingency in the event of income flows being disrupted. Reserves have increased this year due to the removal of Covid restrictions. Contrary to expectations, the Geo-Resilience 2023 conference income exceeded expenditure, resulting in an increase in the reserves. Our unrestricted free reserves amounted to £549,896 (2022 - £543,756). To reduce the reserves, the Association have implemented further initiatives that support its objectives. These initiatives have been implemented already or will become active in 2024. Such initiatives include free membership for students, introducing a Research & Development Fund to support developments in the industry, creating a Publicity Campaign to increase engagement in the geotechnical engineering sector and hosting special events for Geotechnologists.

### Charity objectives

The objects of the Association are the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering.

### Summary of policies adopted to further the objects of the Association

- a) To hold regular meetings for discussion of subjects lying within the above fields.
- b) To arrange for the holding of periodical and regional conferences, symposia and seminars.
- c) To co-operate in the activities of International Societies of which the British Geotechnical Association is a member and with such bodies as may be appropriate.
- d) Generally promote training courses and seminars in the field of geotechnology.
- e) To do lawful things as shall further the above objects.

There are no changes in the Association's objects from the previous year.

### Association Organisation - Committee

The affairs of the Association are managed by the Committee.

### Membership

Individual membership shall be open to those professionally engaged or otherwise actively interested in work lying within the scope of the Association, upon payment of the appropriate entrance fee and annual subscription.

Corporate membership shall be open to all organisations, or parts of organisations, engaged or otherwise actively interested in any aspect of geotechnical engineering.

Subscriptions may only be modified with the approval of the Annual General Meeting or a Special General Meeting.

## OBJECTIVES, POLICIES AND ORGANISATION

### Sponsorship

The following three bodies shall be associated in the sponsorship of the Association.

- a) The Institution of Civil Engineers
- b) The Institute of Materials, Minerals and Mining
- c) The Geological Society of London

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 1 COMMITTEE STRUCTURE AND ACTIVITIES

At the start of 2023 Professor David Toll was the BGA Chair. Dr Andrew Ridley took over the role of Chair of the Association in June 2023 and Mrs Yuli Doulala-Rigby was appointed as Vice-Chair. Both took on their respective roles for a 2-year term. We thank Professor Toll for his leadership since 2021 and for agreeing to remain on the Executive Committee as Immediate Past Chair. Mrs Yvonne Ainsworth stepped down as Honorary Treasurer and was replaced by Mr Tony Bowerman. We thank Yvonne for her service and Tony for his willingness to take over the role. The other Honorary Officers remained in post.

- Mr Nick Armstrong, Honorary Secretary
- Dr Martin Preene, Honorary Communications Officer.

These roles are key to the continuity and smooth running of the BGA. They ensure that the Association fulfils its obligations and that the statutes are complied with. Our thanks are also due to Nick and Martin for their hard work and dedication to the affairs of the Association.

The terms of office for Ms Stephanie Markvukaj and Mr Chris Barker came to an end in June 2023. They were very active members of the committee and we thank them for their service.

Dr. Pedro Ferreira, Christina Mavrommati and Mr Hoe Chian Yeow were elected to the Committee by the membership and started their terms of office in June 2023. We welcome them and thank them for volunteering.

In addition Emily Riley and Gary Evans stepped down as co-chairs of the Early Career Group and were replaced by Palak Shukla and Cacin Wong.

The Executive Committee is divided into a number of sub-committees and the following people have had particular responsibilities during 2023:

- Truong Le is a guest member of the committee with responsibility for organising the Rankine lecture and associated events.
- Dimitrios Daskalopoulos led the prizes and awards sub-committee.
- Georgios Katsigiannis co-ordinated organising the evening meetings.
- Katerina Tsiampousi led the group organising events for Young Professionals which included the Cooling Prize. Mr Sergio Solera continued as a guest member of the Committee to support the Cooling Prize activities.
- Palak Shukla and Dr. Cacin Wong represented the Early Career Group (ECG). Cacin took maternity leave during the term and was replaced by Cheng Wei Kwang.
- Dr. Stephen Thomas developed a programme of events for Geotechnologists.
- Dr. Kevin Briggs continued in the role of liaising with Regional Groups.
- Tony Bowerman continued as the BGA's representative on the Ground Forum.
- Yuli Doulala-Rigby continued as the BGA's representative on the Ground Engineering editorial panel.
- In his role as BGA Treasurer Tony Bowerman assumed responsibility for administering the BGA Fund.
- In his role as Vice Chair Dr Andrew Ridley organised the 2023 Annual Conference and was assisted by Ms Kate Beardsley, Dimitrios Daskalopoulos and Professor Guilia Vigiani.
- Professor Kelvin Higgins assumed the role of ICE representative.
- Neil Smith continued as ISSMGE liaison and James Lawrence as ISRM liaison.
- John Davis represented the Engineering Group of the Geological Society (EGGS).
- Paul Perry represented the British Tunnelling Society (BTS).
- Emilio Linde-Arias represented the Institute of Materials, Minerals and Mining (IOM3).
- Mr Dave Woods represented the International Geosynthetics Society (IGS).
- Mr Adam Latimer represented the Association of Geotechnical and Geo-environmental Specialists (AGS).
- Ms Nia Kajastie represented Ground Engineering Magazine (GE).

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 2 MEETINGS

BGA events held during 2023 included the 61st Rankine Lecture, the John Mitchell Lecture, the Fleming Award, the Cooling Prize, the Géotechnique Lecture, the Annual Conference and five evening meetings. Most events in 2023 were organised as hybrid events allowing on-line attendance. The exceptions to this were the Annual Conference and the Annual Lecture/Dinner.

In January 2023 the John Mitchell Lecture was delivered by Professor Mike Winter on 'Road asset, socioeconomic and fatality risk from debris flow'. 72 people attended the lecture and 162 watched it online.

A joint meeting of the BGA and the Engineering Group of the Geological Society (EGGS) was held at Burlington House in March 2023. The talk on "Case histories of the impacts of chemical and microbiological processes in geotechnical engineering" was presented by Professor Stephan Jefferis

The 61st Rankine Lecture was delivered by Professor John Carter of University of Newcastle in Australia on "Constitutive Modelling in Computational Geomechanics". It was held as an in-person event with approximately 800 attendees and was also watched worldwide as a live webcast by 340 people. The Lecture and the Rankine Dinner were held at Imperial College London on 15 March 2023.

Also in March 2023 the 54th Cooling Prize Competition was hosted by the Wales Ground Engineering Group as part of the Georesilience Conference. The winner was Diarmid Xu of University of Cambridge with a presentation on "Response of rock-scour protection to earthquake induced liquefaction for offshore wind applications".

In April 2023 a hybrid evening meeting on "Resilient Geotechnics: Water Management Strategies for Construction" was presented by Dr Stephen Thomas of OGI Limited. 12 people attended the meeting and 109 people watched it online.

In May 2023 a hybrid BGA Evening Meeting on "Gravity storage systems and geo-hydrogen systems" was presented by Ethan Jones of Gravitricity. 35 people attended the event and 50 people watched it online.

The BGA/IGS (UK) Invitational Lecture "Innovation, Progress and Geosynthetics on HS2" presented by Nick Sartain of HS2 Limited was held at the ICE in October 2023. 34 people attended the event and 75 people watched it online.

Also in October the BGA held an on-line only event to introduce the Geotechnologists Network. 26 people attended.

In November 2023 a hybrid BGA Evening Meeting on "InSAR and Earth Observation Techniques for Infrastructure - a new CIRIA guidebook" was presented by Dr Skevi Perdikou of Geofem & Dr Philippa Mason of Imperial College London. 27 people attended the event and 169 people watched it online.

Also in November 2023, the Géotechnique Lecture "Bringing vegetation-based solutions into geotechnical engineering design: how do we make it happen?" was presented by Professor Alessandro Tarrantino of the University of Strathclyde in Scotland.

The 2nd online Geotechnologists event was also held in November. It was given by Mr Chris Wallace of Geolabs on "Things that affect soil strength." 118 people attended.

The Fleming Award was held in December 2023 and it was won by Ramboll, Seaway 7, SSE, GDG Limited, UWA, NGI, Ternan Energy Limited, Oxford University Innovation Limited and Dundee University. While the judging was underway, Professor David Richards of the University of Southampton gave a Keynote Lecture on "Conservatism in Geotechnical Design."

Through 2023 the ECG (Early Career Group) was extremely active, holding networking/career events in Bristol, Warwick and London as well as summer and winter social events. Their flagship event "Preparing for ICE Chartered Professional Review" was held at the ICE in February. In addition they held a 'Welcome/Annual Networking Event' at the ICE in October and a Soil Description and Logging Course at Arup's office in November. They also set up Working Groups for neurodiversity and sustainability. Follow up logging courses are planned for 2024 as well as a multi-part seminar series on the new edition of MOGE (ICE Manual of Geotechnical Engineering) and CPD (sustainability and geology based) courses.

### 3 PRIZES AND AWARDS

During 2023 the following prizes were awarded:

- The BGA Medal: K Vinck, T Liu, R J Jardine, S Kontoe, R Ahmadi-Naghadch, R M Buckley, B W Byrne, J A Lawrence, R A McAdam & F Schranz for the paper "Advanced in situ and laboratory characterisation of the ALPACA chalk research site" Géotechnique ahead of print. Published on line 25 April 2022.
- The BGA Case Histories Award: M. Chrimes and M. Preece for their papers Groundwater lowering for construction of the Kilsby Tunnel – pumping and tunnelling. Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, 174, 4, 109–129 and Groundwater lowering for construction of the Kilsby Tunnel – geological and geotechnical aspects. Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, 174, 4, 130–144.
- The Cooling Prize: Diarmid Xu of University of Cambridge for his work on "Response of rock-scour protection to earthquake induced liquefaction for offshore wind applications."
- The Fleming Award: Ramboll, Seaway 7, SSE, GDG Limited, UWA, NGI, Ternan Energy Limited, Oxford University Innovation Limited and Dundee University for their presentation "Ground Suction Caisson Supported Offshore Wind Farm, North Sea."
- The John Mitchell Award: Dr Barnali Ghosh (Mott MacDonald)
- The BGA Masters' Dissertation Prize: Danette Tan, Imperial College London: Assessing life extensions of ageing infrastructure

The BGA was also pleased to award Skempton Medals to Mr J. Mackey (McGee Limited) and Professor A.S. O'Brien (Mott MacDonald) in 2023. The Skempton Medal is awarded to a BGA member who has made an outstanding contribution to the practice of geotechnical engineering over a sustained period of time. The individual will not normally have received other comparable recognition in the UK. The individual's work should be closely associated with, though not necessarily carried out in, the UK.

The BGA continued to honour its commitment to supporting the furtherment of the knowledge and education of its members through the BGA Fund Award. In addition the BGA set up a new Research Development Fund to support industry and academic investigator-led applied geotechnical research aimed at generating new knowledge, with long-term benefit to the United Kingdom.

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 4 COMMENTS

In 2023 we continued to monitor the attendances at meetings, post pandemic and it continues to be low for some events, particularly the regular monthly evening meetings, although the online presence is still strong and the BGA continues to have a global reach. Actions taken for 2024 events that include the introduction of a half-day mini symposium and asking the winners of the BGA Medal and BGA Case Histories Award to present their work. This seems to have had a positive effect. We continue to have good attendances for our prestige events such as the Rankine Lecture, the John Mitchell Lecture, the Fleming Award, the Annual Conference and the Géotechnique Lecture.

The 3rd BGA biennial conference, Geo-Resilience 2023, was held in Cardiff, in March 2023. The conference attracted 189 participants and 18 Sponsor/Exhibitors. A important focus of the conference preparation was encouraging the younger members of the profession (early career professionals and students) to attend, by offering free student places and a significantly reduced registration rate for early career professionals.

A presentation at the Annual Conference in June 2023 by Dr Stephen Thomas introduced the "BGA Geotechnologists Network." This is an initiative started by past Chair Professor Kelvin Higgins. A geotechnologist is a skilled, knowledgeable and practical individual, with experience working in the Ground Engineering Industry and is unlikely to be qualified in the professional sense, nor following a traditional route towards qualification. The BGA wants to support this group of people because it recognises that they have a lot to contribute to the geotechnical community. It is doing this by organising seminars at times that are convenient for geotechnologists to attend (e.g. lunch time), on subjects that will be of interest to them, most probably of a practical nature and ideally given by geotechnologists for geotechnologists. Meetings were organised in September and October, with further events planned for 2024.

The BGA was also pleased to welcome the President of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) Dr. Marc Ballouz to our Annual Conference in June. We thank Marc for making time to address our members.

In September 2023 the BGA held its first annual Lecture and Dinner at The Institution of Civil Engineers. The lecture "The historical underpinning of Winchester Cathedral – Heroic or horrific?" was presented by Professor John Burland of Imperial College. 186 people attended the lecture and 91 people attended the dinner.

At the close of 2023, the BGA had 1294 individual members, including 166 overseas members and 22 student/young members. There were also 41 corporate members, including 1 overseas corporate member. At the end of 2022 there were 977 individual members and 47 corporate members, so the individual membership of the BGA increased very significantly through 2023 with a slight decrease in corporate members. We continue to recognise the importance of attracting new, younger members to the BGA and will continue our efforts to engage, encourage and support the younger members of our profession.

**Dr Andrew Ridley (BGA Chair)**

Trustees' Annual Report for the year ended 31 December 2023

**Importance of the efforts of unpaid volunteers and provision of free facilities and services**

The success of the Association continues to depend entirely on the work of very many people, those who have served on its committees and working groups, those who have spoken and taken part in its meetings, and those who have helped in many other ways. The British Geotechnical Association would like to take this opportunity to register its appreciation of the efforts of all those who so willingly helped during the year.

**Review of the transactions and financial position of the charity**

**Unrestricted Funds**

Membership subscriptions include subscriptions to the publication *Ground Engineering*. The Committee considers the reserves to be adequate to meet its on-going activities. Surplus funds are placed on short term deposit.

A deficit of £3,175 income over expenditure for the year has decreased the unrestricted fund, which amounts to £310,676 at the year end. This compares to a deficit in the unrestricted fund of £12,949 in 2022.

**Designated Funds - Rankine Fund**

The fund balance at the year-end amounts to £235,491 after an investment gain of £23,484 compared to a loss of £30,275 in 2022 and an excess of income over expenditure of £11,987, compared to an excess of expenditure over income of £31,810 in 2022.

Investment income is used to fund the Rankine Lecture.

**Designated Funds - The BGA Fund**

The fund balance at the year-end amounts to £3,729 after awarding bursaries to five recipients, totalling £2,772 and interest received of £100, compared to £26 received in 2022.

The BGA Fund is intended to aid students and early career professionals in geotechnics and allied subjects (normally under 35 years of age) in their training, development and experience (including funding of teaching, research and travel, e.g. conference attendance, exchanges with young graduates in other countries). It is also for raising the understanding and the appreciation of geotechnics by the public, particularly pupils at schools and colleges (to further the interest in geotechnics as a career) and other technical/scientific professionals (to encourage the employment of experts in geotechnics on projects wherever appropriate).

**Degree of Financial Dependency**

As discussed above the Association is dependent on the voluntary efforts of its members.


**Risk Assessment**

A risk assessment with respect to the finances of the BGA has been carried out by the Financial and General Purposes sub-committee. A register of risks has been established which is reviewed at least annually. Where appropriate, measures have been identified to mitigate the risks the charity faces.

**Organisational Context**

The Association's role is the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering, which is not something that can exist in isolation and there are many important links with other engineering disciplines and sciences. Although totally separate from other organisations, the Association seeks to co-operate in areas of common ground with other bodies.

The Annual Report on pages 2 to 9 was approved by the Committee on 4th June 2024 and was signed on its behalf by:



Andrew Ridley - Chair of the Committee

### Independent Examiner's Report to the Trustees of the British Geotechnical Association

I report to the Trustees on my examination of the accounts of the British Geotechnical Association for the year ended 31 December 2023, which are set out on pages 11 to 17.

### Respective responsibilities of trustees and examiner

As the charity trustees of the Association, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ('the Act'). I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity.

### Independent Examiner's statement

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:

1. accounting records were not kept in respect of the Trust as required by section 130 of the Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.



Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

11 June 2024

**THE BRITISH GEOTECHNICAL ASSOCIATION**  
**STATEMENT OF FINANCIAL ACTIVITIES**  
**(INCLUDING INCOME AND EXPENDITURE ACCOUNT)**  
**FOR THE YEAR ENDED 31 DECEMBER 2023**



	Notes	Unrestricted £	Designated £	2023 Total £	2022 Total £
<b>Income from:</b>					
<b>Charitable activities</b>	3	117,002	-	117,002	117,281
<b>Other trading activities</b>	4	177,497	400	177,897	59,134
<b>Investment Income</b>	5	7,360	7,044	14,404	8,612
<b>Total Incoming</b>		<u>301,859</u>	<u>7,444</u>	<u>309,303</u>	<u>185,027</u>
<b>Expenditure on:</b>					
<b>Raising funds</b>	6	170,534	18,841	189,375	53,058
<b>Charitable activities</b>	7	150,155	2,772	152,927	131,405
<b>Total expenditure</b>		<u>320,689</u>	<u>21,613</u>	<u>342,302</u>	<u>184,463</u>
<b>Net (losses)/gains on investments</b>	8				
Realised		(426)	(639)	(1,065)	(6,636)
Unrealised		16,081	24,123	40,204	(43,823)
		<u>15,655</u>	<u>23,484</u>	<u>39,139</u>	<u>(50,459)</u>
<b>Net income and net movement in funds</b>		<u>(3,175)</u>	<u>9,315</u>	<u>6,140</u>	<u>(49,895)</u>
<b>Reconciliation of funds</b>					
Total funds brought forward		313,851	229,905	543,756	593,651
Total funds carried forward		<u>310,676</u>	<u>239,220</u>	<u>549,896</u>	<u>543,756</u>

The statement of financial activity includes all gains and losses in the period.

All income and expenditure derives from continuing activities.

THE BRITISH GEOTECHNICAL ASSOCIATION  
BALANCE SHEET AT 31 DECEMBER 2023



	Notes	2023	2022
		£	£
<b>FIXED ASSETS</b>			
Market value of investments	8	483,259	435,099
<b>CURRENT ASSETS</b>			
Cash at bank		165,948	180,972
Cash on short term deposit		9,429	34,971
Debtors	9	22,938	27,281
		<hr/>	<hr/>
		198,315	243,224
<b>CURRENT LIABILITIES</b>			
Creditors	10	131,678	134,567
		<hr/>	<hr/>
<b>NET CURRENT ASSETS</b>		66,637	108,657
		<hr/>	<hr/>
<b>TOTAL ASSETS</b>	11	549,896	543,756
<b>Financed by:</b>			
<b>ACCUMULATED FUNDS</b>			
Unrestricted	11	310,676	313,851
Designated Funds	12	239,220	229,905
		<hr/>	<hr/>
		549,896	543,756
		<hr/>	<hr/>

The notes on page 13 to 17 form part of these financial statements.

Approved by the committee on 4th June 2024 and signed on its behalf by:

Andrew Ridley  
Chair

Tony Bowerman  
Honorary Treasurer

**Notes to the financial statements for the year ended 31 December 2023**

**1 Responsibilities of the Committee**

The Committee is responsible for maintaining proper accounting records which disclose with reasonable accuracy at any time the financial position of the Association and for taking reasonable steps for the prevention and detection of fraud and other irregularities.

In preparing the financial statements the Committee are required to :

- a) select suitable accounting policies and then apply them consistently
- b) make judgements and estimates that are reasonable and prudent
- c) prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Association will continue to operate.

**2 Accounting Policies**

The financial statements have been prepared in accordance with the Financial Reporting Standard 102 (effective January 2019) (FRS 102), the Companies Act 2006 and the requirements of the Statement of Recommended Practice (SORP) applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019) (Charities SORP FRS 102).

are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

There are no material uncertainties about the charity's ability to continue, and so the going concern basis of accounting has been adopted.

**Income**

All subscriptions and investment income is accounted for when received, except in the case of subscriptions which are specifically stated to be in respect of an ensuing accounting period. No credit is taken for subscriptions unpaid at the

Donation income is accounted for when the Association has entitlement to the income, the income is probable and can be measured reliably.

**Expenditure**

Expenditure is recognised when there is a legal or constructive obligation to transfer resources to a third party, settlement is probable and the amount can be measured reliably. Expenditure is included within the Statement of Financial Activities on

**Fund Accounting**

Unrestricted funds can be used in accordance with the charitable objectives of the Society, at the discretion of the Trustees. Restricted funds can only be used for the particular restricted purposes within the objectives of the Society.

The association has the following designated funds:

***Rankine Fund***

The Rankine Fund has been consolidated into the British Geotechnical Association accounts.

***BGA Fund***

The BGA Fund has been consolidated into the British Geotechnical Association accounts.

**Investments**

investments relate and are identified as unrealised. Cash held as part of the investments portfolio is included in investments.

**Taxation**

The charity is exempt from taxation on its charitable activities.

Notes to the financial statements for the year ended 31 December 2023

**3. Charitable activities**

	2023		2022	
	£	£	£	£
<i>Members subscriptions</i>				
United Kingdom	100,150		99,895	
Europe	6,662		6,134	
Africa	476		469	
Asia	4,062		4,451	
Australasia	3,657		3,799	
North America	1,495		1,950	
South America	500		583	
		117,002		117,281

**4. Other trading activities**

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner	32,060	400	-	32,460
Annual Conference	18,080	-	-	18,080
Annual Members Dinner	19,580	-	-	19,580
Geo-Resilience 2023	100,636	-	-	100,636
Early Career Group	3,490	-	-	3,490
Other Function Income	3,050	-	-	3,050
Book sales and royalties	433	-	-	433
Cooling Prize	168	-	-	168
	177,497	400	-	177,897

**5. Investment Income**

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Investment Income	7,360	6,944	100	14,404

**6. Raising funds**

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner/Lecture	27,904	17,308	-	45,212
Annual Conference	10,757	-	-	10,757
Annual Members Dinner	27,912	-	-	27,912
Geo-Resilience 2023	92,075	-	-	92,075
Early Career Group	8,140	-	-	8,140
Special Events	2,725	-	-	2,725
Investment Management Fee	1,021	1,533	-	2,554
	170,534	18,841	-	189,375

THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2023

<b>7. Charitable activities</b>	<b>2023</b>	<b>2022</b>
	<b>£</b>	<b>£</b>
Subscriptions to other bodies	17,395	15,824
Awards & prizes	8,251	6,432
Administration	23,958	14,062
Honoraria	11,700	11,700
Website	4,854	2,475
Postage	30	35
Printing, stationery and photocopying	2,880	1,164
Publicity and Promotion	3,960	-
Meeting expenses	1,288	580
Publication - Ground Engineering	75,188	73,474
Other expenses	-	2,501
Reviewer Fee	1,158	1,146
Cost of trustees meeting	1,247	759
Community support activities	913	1,108
Bank charges	105	145
	<hr/>	<hr/>
	152,927	131,405
	<hr/> <hr/>	<hr/> <hr/>
 <b>8. Investments - Rankine fund</b>	 <b>2023</b>	 <b>2022</b>
	<b>£</b>	<b>£</b>
Market value at 1 January 2023	422,924	461,618
Disposals at market value	(216,121)	(323,357)
Acquisitions at cost	232,440	335,122
Net gain on revaluation	39,139	(50,459)
	<hr/>	<hr/>
Listed investments at market value at 31 December 2023	478,382	422,924
Cash on deposit awaiting investment	4,877	12,175
	<hr/>	<hr/>
Market value as at 31 December 2023	483,259	435,099
	<hr/> <hr/>	<hr/> <hr/>
 <b>9. Debtors</b>	 <b>2023</b>	 <b>2022</b>
	<b>£</b>	<b>£</b>
Other Debtors (including Prepayments)	13,704	20,586
Amount due from ICE	9,234	6,695
	<hr/>	<hr/>
	22,938	27,281
	<hr/> <hr/>	<hr/> <hr/>

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Notes to the financial statements for the year ended 31 December 2023**

<b>10. Creditors</b>	<b>2023</b>	<b>2022</b>
	<b>£</b>	<b>£</b>
Creditors and accruals	108,624	113,195
Subscriptions and other receipts in advance	23,054	21,372
	<u>131,678</u>	<u>134,567</u>

Funds held on behalf of FMGM amount to £30,639 at year end.

<b>11. Analysis of net assets between funds</b>	<b>Unrestricted Funds</b>	<b>Designated Funds</b>	<b>Total Funds</b>
	<b>£</b>	<b>£</b>	<b>£</b>
<b>Fund balances at 31 December 2023 represented by:</b>			
Investments	193,303	289,956	483,259
Current assets	194,586	3,729	198,315
Current liabilities falling due within one year	(131,678)	-	(131,678)
Transfer between funds	54,465	(54,465)	-
	<u>310,676</u>	<u>239,220</u>	<u>549,896</u>

**Fund balances at 31 December 2022 represented by:**

Investments	174,037	261,062	435,099
Current assets	236,823	6,401	243,224
Current liabilities falling due within one year	(134,567)	-	(134,567)
Transfer between funds	37,558	(37,558)	-
	<u>313,851</u>	<u>229,905</u>	<u>543,756</u>

<b>12. Designated fund analysis</b>	<b>Rankine Fund</b>	<b>BGA Fund</b>	<b>Total</b>
	<b>£</b>	<b>£</b>	<b>£</b>
Balance brought forward at 1 January 2023	223,504	6,401	229,905
Dividends and interest received	6,944	100	7,044
Designated income	400	-	400
Designated expenditure	(17,308)	(2,772)	(20,080)
Investment Management fees	(1,533)	-	(1,533)
Gain on investment assets	23,484	-	23,484
	<u>235,491</u>	<u>3,729</u>	<u>239,220</u>

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Notes to the financial statements for the year ended 31 December 2023**

**13. Trustee expenses**

Expenses reimbursed to 8 Trustees, relating to Annual Conference, Speaker expenses, Trustee meetings, Cooling Prize, Rankine Lecture and Dinner and ECG events

	2023	2022
	£	£
	7,034	4,164
	<u>7,034</u>	<u>4,164</u>
	No.	No.
Number of Trustees	<u>8</u>	<u>5</u>

**14. Honorary Officers**

During the year, the Association's Honorary Officers received honoraria amounting to the following:

	2023	2022
	£	£
Nick Armstrong - Honorary Secretary	6,000	6,000
Yvonne Ainsworth - Honorary Treasurer to 31 July 2023	2,100	3,600
Tony Bowerman - Honorary Treasurer from 1 August 2023	1,500	-
Martin Preene - Honorary Publicity Officer	2,100	2,100
	<u>11,700</u>	<u>11,700</u>

**15. Staff**

The Association does not employ staff directly.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

England & Wales - Charity number 284131

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# Accounts

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Charity Number 284131

**THE BRITISH GEOTECHNICAL ASSOCIATION**

Annual Report and Financial Statements for the year ended 31 December 2022

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THE BRITISH GEOTECHNICAL ASSOCIATION



Trustees' Annual Report for the year ended 31 December 2022

LEGAL AND ADMINISTRATIVE INFORMATION

The British Geotechnical Society was formed in 1949 as an unincorporated association. It became a registered charity by statutes adopted December 1981 as amended in January 1997. It became the British Geotechnical Association by statutes adopted in June 2000 and amended in June 2005, June 2011 and June 2017. The charity number is 284131.

**The charity trustees who served during the year were:**

Prof D Toll, Chair	Co-opted
Dr Andrew Ridley, Vice Chair	Prof K Higgins, Immediate Past Chair - ex officio
Mr E Linde-Arias (IMMM) (to 22 June 2022)	Dr J Lawrence (Rankine Lecture) (to 22 June 2022)
Dr Yu Sheng Hsu (to 22 June 2022)	Ms Emily Riley (ECG)
Ms T Chalmers (to 22 June 2022)	Mr Gary Evans (ECG)
Ms C Doulala-Rigby	Ms U Lawrence (EGGS) (to 22 June 2022)
Mr C Barker	Mr J Davis (EGGS) (from 22 June 2022)
Ms S Markvukaj	Mr S Solera (Cooling and Rankine Fund Advisor) (to 22 June 2022)
Mr D Daskalopoulos	Dr Truong Le (Rankine Lecture) (from 22 June 2022)
Dr G Katsigiannis	Mr P Reading (Technicians) (to 22 June 2022)
Eur Ing S Thomas	Guests
Dr K Briggs (from 22 June 2022)	Dr J Lawrence (ISRM) (from 22 June 2022)
Dr K Tsiampousi (from 22 June 2022)	Mr E Linde-Arias (IMMM) (from 22 June 2022)
Prof G Viggiani (from 22 June 2022)	Mr P Perry (BTS)
	Mr T Bowerman (Ground Forum) (to 22 June 2022)
	Eur Ing N Smith (UK RoGEP, ISSMGE)
	Ms Patricia Guerra-Escobar (IGS) (to December 2022)
	Mr Graham Taylor (BSI) (to 22 June 2022)

**The method of appointment or election of trustees and the name of any body or person entitled to nominate or appoint one or more trustees is as follows:**

The Trustees of the British Geotechnical Association are the members of its committee.

The committee comprises:

- Chairman
- Vice-Chairman
- 2 Representatives of the Institution of Civil Engineers
- 9 Elected Members
  - 1 Representative of the Geological Society of London (Geol Soc)
  - 1 Representative of the Institute of Materials, Minerals and Mining (IMMM)
  - 1 Representative of the British Tunnelling Society (BTS)
  - 1 Representative of the International Society for Rock Mechanics (ISRM)
- Co-opted members

The Chairman and Vice Chairman of the Association shall be elected by members of the committee.

Only members of the Association shall be members of the Committee. This requirement may be waived if the Committee agrees.

The members to be elected by ballot shall be nominated by not less than three members of the Association.

Honorary Officers shall not be entitled to vote at Committee Meetings.

Details of Membership classes are under Association Organisation.

THE BRITISH GEOTECHNICAL ASSOCIATION



Trustees' Annual Report for the year ended 31 December 2022

**LEGAL AND ADMINISTRATIVE INFORMATION**

The principal office of the charity is:

One Great George Street  
Westminster  
London SW1P 3AA

Names and addresses of other relevant organisations:

**Bankers**

CAF BANK Limited  
PO Box 289  
West Malling  
Kent ME19 4TA

**Solicitors**

Solicitors are appointed from time to time as the need arises.

**Independent examiner**

Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

**Investment Advisers**

Coutts & Co  
440 Strand  
London WC2R 0QS

## OBJECTIVES, POLICIES AND ORGANISATION

### Investment Policy

Management of investments is delegated by the Committee to Coutts & Co. The fund is managed with an emphasis on long term capital growth (eight years or longer) and a moderate to high approach to risk.

### Reserves Policy

The trustees consider it prudent to keep unrestricted reserves at levels which ensure that there are sufficient funds to meet the needs of current and future activities. The activities of the Association are largely regular and predictable in the medium to long term. Reserves can therefore be relied on to act as contingency in the event of income flows being disrupted. Reserves have decreased this year due to the removal of Covid restrictions. In March 2023 the Association is organising the Geo-Resilience 2023 conference and should incur costs which should further reduce the reserves. Our unrestricted free reserves amounted to £543,756 (2021 - £593,651).

### Charity objectives

The objects of the Association are the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering.

### Summary of policies adopted to further the objects of the Association

- a) To hold regular meetings for discussion of subjects lying within the above fields.
- b) To arrange for the holding of periodical and regional conferences, symposia and seminars.
- c) To co-operate in the activities of International Societies of which the British Geotechnical Association is a member and with such bodies as may be appropriate.
- d) Generally promote training courses and seminars in the field of geotechnology.
- e) To do lawful things as shall further the above objects.

There are no changes in the Association's objects from the previous year.

### Association Organisation - Committee

The affairs of the Association are managed by the Committee.

### Membership

Individual membership shall be open to those professionally engaged or otherwise actively interested in work lying within the scope of the Association, upon payment of the appropriate entrance fee and annual subscription.

Corporate membership shall be open to all organisations, or parts of organisations, engaged or otherwise actively interested in any aspect of geotechnical engineering.

Subscriptions may only be modified with the approval of the Annual General Meeting or a Special General Meeting.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Trustees' Annual Report for the year ended 31 December 2022**



**OBJECTIVES, POLICIES AND ORGANISATION**

**Sponsorship**

The following three bodies shall be associated in the sponsorship of the Association.

- a) The Institution of Civil Engineers
- b) The Institute of Materials, Minerals and Mining
- c) The Geological Society of London

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 1 COMMITTEE STRUCTURE AND ACTIVITIES

Professor David Toll continued in the role of Chair of the Association and Dr Andrew Ridley continued as Vice-Chair. Both took on their respective roles in June 2021 for a 2-year term. Professor Kelvin Higgins remained on the Executive Committee as Immediate Past Chair.

The Honorary Officers continued in their role, namely:

- Yvonne Ainsworth, Honorary Treasurer
- Nick Armstrong, Honorary Secretary
- Martin Preene, Honorary Communications Officer.

These roles are key to the continuity and smooth running of the BGA. They ensure that the Association fulfils its obligations and that the statutes are complied with. Our thanks are due to Yvonne, Nick and Martin for their hard work and dedication to the affairs of the Association.

For the Executive Committee, the terms of office for the following elected members came to an end:

- Tarryn Chalmers
- Yu Sheng Hsu
- Emilio Linde-Arias

Tarryn, Yu Sheng and Emilio were very active members of the committee. We would like to thank them for their service and all the work they did.

Kevin Briggs, Katerina Tsiampousi, Giulia Viggiani were elected to the Committee by the membership and started their terms of office in June 2022.

The Executive Committee is divided into a number of sub-committees and the following individuals have particular responsibilities:

- Truong Le took on the role of guest member of the committee with responsibility for organising the Rankine lecture and associated events.
- Chris Barker continued co-ordinating judging for prizes and awards.
- Yuli Doulala-Rigby took responsibility for organising the evening meetings.
- Stephanie Markvukaj led the group organising events for Young Professionals which included the Cooling Prize. Sergio Solera continued as a guest member of the Committee to support the Cooling Prize activities.
- Emily Riley and Gary Evans represented the Early Career Group (ECG).
- Stephen Thomas took on the task of developing programmes for Geo-technologists.

Kevin Briggs took on the role of liaising with Regional Groups.

- Tony Bowerman continued as the BGA's representative on the Ground Forum.
- Yuli Doulala-Rigby continued as the BGA's representative on the Ground Engineering editorial panel.
- Yvonne Ainsworth continued to administer the BGA Fund awards.
- A group which included Andrew Ridley, Dimitrios Daskalopoulos, David Toll, Yuli Doulala-Rigby and Giulia Viggiani took responsibility for organising the Annual Conference.
- Kelvin Higgins continued as the BGA's representative on the ICE's Structures and Geotechnical Community Advisory Board.
- Neil Smith continued as ISSMGE liaison and James Lawrence as ISRM liaison.

### 2 MEETINGS

In 2022 we were able to move back to in-person events, but all were organised as hybrid events allowing on-line attendance. The Annual Conference was organised in its normal slot in June, even though it was affected by a rail strike. The 60th Rankine Lecture finally took place in March 2022, having been postponed a number of times from the anticipated date in March 2020 because of the pandemic.

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 2 MEETINGS (continued)

The BGA hosted a total of 12 events during 2022 including the Rankine Lecture, John Mitchell Lecture, the Fleming Award, the Cooling Prize, the Geotechnical Engineering Proceedings Lecture, the Annual Conference and 6 evening meetings. We were able to hold in-person events (with hybrid options for on-line attendance) for the majority of evening meetings, the Rankine Lecture, Geotechnical Engineering Proceedings Lecture, the Fleming Award and the Annual Conference. The BGA also supported the successful 11th International Symposium on Field Monitoring in Geomechanics (ISFMG) that was held at Imperial College London 4-7 September 2022.

The 2022 John Mitchell Lecture was delivered by Dr Martin Preene on 'Thinking Conceptually about Groundwater Problems'. It was held online with over 700 attendees.

The 60th Rankine Lecture was delivered by Professor Stephan Jefferis of Environmental Geotechnics Limited on "The Unusual and the Unexpected in Geotechnical Engineering: Observation – Analogy – Experiment". It was held as an in-person event with a live webcast. The Lecture and the Rankine Dinner were held at Imperial College London on 16 March 2022.

In March 2022 the 53rd Cooling Prize Competition was hosted by the Scottish Ground Engineering Group as an on-line event. The winner was Stan Jun Qi of Imperial College/Atkins on "Numerical Evaluation of Empirical Estimates of Seepage through Contiguous Piled Walls". While the judging was underway, Professor Simon Wheeler of the University of Glasgow gave a Keynote Lecture on "Capillary Barrier Systems for Prevention of Rainfall-induced Slope Instabilities: Development of a Simplified Method of Analysis".

The Geotechnical Engineering Proceedings Lecture "Understanding Rainfall-induced Slope Failures through Unsaturated Soil Mechanics" was presented by Professor Harianto Rahardjo of Nanyang Technological University, Singapore in November 2022. It was a hybrid event with almost 100 people attending in person and over 400 people on-line.

The Fleming Award was held in December 2022 and it was won by BAE Systems, Atkins, Bachy Soletanche and Morgan Sindall. While the judging was underway, Sergio Solera of Mott MacDonald gave a Keynote Lecture on the design and construction of new tidal barrier and quay walls at the Port of Boston, UK.

- A joint meeting of the BGA and the Engineering Group of the Geological Society (EGGS) was held online. The talk on "The Engineering Geology of the Thames Tideway Tunnel and its Effects on Construction Performance" was presented by Tim Newman of Jacobs
- A hybrid evening meeting on "The State of Working Platforms" was presented by Jim De Waele of Keller and David Corke of David Corke Consulting
- A hybrid BGA Evening Meeting on "A Lawyer's Perspective on Geotechnical Analysis: Key Contractual Provisions and Legal Pitfalls" was presented by Robin Wood of CMS Cameron McKenna Nabarro Olswang LLP
- A hybrid BGA Evening Meeting on "Rock Engineering Design in Challenging Rock Mass Environments" was presented by Dr Harry Saroglou, Geotechnical Adviser of Eiffage Kier Ferroviaire BAM JV
- A hybrid Evening Meeting on "Artificial Ground Freezing - A Reliable Technology Under Tough Ground Conditions: History – Technology – Application", was presented by Christian Perl of Züblin Ground Engineering
- The BGA/IGS (UK) Invitational Lecture "Geosynthetics for Environmental Resiliency" was presented by Pietro Rimoldi, civil engineering consultant and IGS Italy Council Member.

The ECG (Early Career Group) were extremely active, holding networking/career events in Bristol, Coventry, Nottingham and London as well as a Christmas Social. They also held their flagship event on "Preparing for ICE Chartered Professional Review". They organised a 6 part CPD Event on "Desk Study to Design" held at various locations in SE England. They hosted a workshop to promote awareness and skills to thrive in a neurodiverse workplace, a BTSYM-BGA ECG Workshop : Ground Movement Assessments Using XDisp/PDDisp and a BGA ECG / NAFEMS COGAN technical webinar: Strength reduction technique for slopes with finite element methods

### 3 PRIZES

During 2022 the following prizes were awarded:

- The BGA Medal: T Yao, B Baudet & S Lourenço for the paper "Evolution of surface roughness of single sand grains with normal loading" *Geotechnique* 72, No. 6, 543–555.
- The Cooling Prize: Stan Jun Qi of Imperial College/Atkins
- The Fleming Award: BAE Systems, Atkins, Bachy Soletanche and Morgan Sindall
- The John Mitchell Award Lecture: Dr Martin Preene, Richter Associates
- The BGA Masters' Dissertation Prize: Ana Pirrone, Imperial College London: Geotechnical data integration in the calibration of constitutive models using machine learning and metaheuristics

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 4 COMMENTS

In 2022 we were able to start moving past the difficulties of the pandemic and hosted most of our events in-person, with hybrid options for attending on-line. It was a great pleasure to be able to hold the 60th Rankine Lecture in March 2022, having postponed it a number of times from its planned date of March 2020. We had good attendance for some in-person events such as the Rankine Lecture, Annual Conference and the Geotechnical Engineering Proceedings Lecture. However, we have noted low in-person attendance for some evening meetings, although on-line attendance has been very high, with over 700 people watching the John Mitchell lecture on-line, for example. We will continue to monitor attendance and plan future events to suit the needs of BGA members.

Considerable planning for the 3rd BGA biennial conference, Geo-Resilience 2023, in Cardiff, scheduled for March 2023, was carried out in 2022. A important focus of the conference preparation was encouraging the younger members of the profession (early career professionals and students) to attend, by offering free student places and a significantly reduced registration rate for early career professionals.

The BGA supported the highly succesful 11th International Symposium on Field Monitoring in Geomechanics, organised under the auspices of ISSMGE TC220 Field Monitoring in Geomechanics, and held in London in September 2022. The event brought together people from across the geotechnical monitoring sector to promote better understanding, interpretation and presentation of field measurements.

At the end of 2022 we had around 977 individual members and 47 corporate members. We recognise the importance of attracting new, younger members to the BGA and will continue our efforts to engage, encourage and support the younger members of our profession.

David Toll

## THE BRITISH GEOTECHNICAL ASSOCIATION



### Trustees' Annual Report for the year ended 31 December 2022

#### **Importance of the efforts of unpaid volunteers and provision of free facilities and services**

The success of the Association continues to depend entirely on the work of very many people, those who have served on its committees and working groups, those who have spoken and taken part in its meetings, and those who have helped in many other ways. The British Geotechnical Association would like to take this opportunity to register its appreciation of the efforts of all those who so willingly helped during the year.

#### **Review of the transactions and financial position of the charity**

##### **Unrestricted Funds**

Membership subscriptions include subscriptions to the publication *Ground Engineering*. The Committee considers the reserves to be adequate to meet its on-going activities. Surplus funds are placed on short term deposit.

A deficit of £12,949 income over expenditure for the year has decreased the unrestricted fund, which amounts to £313,851 at the year end. This compares to a surplus in the unrestricted fund of £51,136 in 2021.

##### **Designated Funds - Rankine Fund**

The fund balance at the year-end amounts to £223,504 after an investment loss of £30,275 compared to a gain of £30,567 in 2021 and an excess of expenditure over income of £31,810, compared to an excess of income over expenditure of £31,949 in 2021.

Investment income is used to fund the Rankine Lecture.

##### **Designated Funds - The BGA Fund**

The fund balance at the year-end amounts to £6,401 after awarding bursaries to seven recipients, totalling £5,162 and interest received of £26, compared to £1 received in 2021.

The BGA Fund is intended to aid students and early career professionals in geotechnics and allied subjects (normally under 35 years of age) in their training, development and experience (including funding of teaching, research and travel, e.g. conference attendance, exchanges with young graduates in other countries). It is also for raising the understanding and the appreciation of geotechnics by the public, particularly pupils at schools and colleges (to further the interest in geotechnics as a career) and other technical/scientific professionals (to encourage the employment of experts in geotechnics on projects wherever appropriate).

##### **Degree of Financial Dependency**

As discussed above the Association is dependent on the voluntary efforts of its members.

##### **Risk Assessment**

A risk assessment with respect to the finances of the BGA has been carried out by the Financial and General Purposes sub-committee. A register of risks has been established which is reviewed at least annually. Where appropriate, measures have been identified to mitigate the risks the charity faces.

##### **Organisational Context**

The Association's role is the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering, which is not something that can exist in isolation and there are many important links with other engineering disciplines and sciences. Although totally separate from other organisations, the Association seeks to co-operate in areas of common ground with other bodies.

The Annual Report on pages 2 to 9 was approved by the Committee on 13th June 2023 and was signed on its behalf by:

A handwritten signature in black ink, appearing to read 'David Toll', written over a faint circular stamp or watermark.

David Toll - Chair of the Committee

**Independent Examiner's Report to the Trustees of the British Geotechnical Association**

I report to the Trustees on my examination of the accounts of the charity for the year ended 31 December 2022, which are set out on pages 11 to 17.

**Respective responsibilities of trustees and examiner**

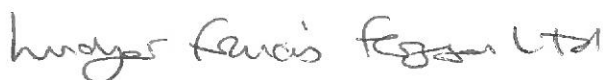
As the charity trustees of the Association, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ('the Act'). I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity.

**Independent Examiner's statement**

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:

1. accounting records were not kept in respect of the Trust as required by section 130 of the Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached



Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE



**THE BRITISH GEOTECHNICAL ASSOCIATION  
STATEMENT OF FINANCIAL ACTIVITIES  
(INCLUDING INCOME AND EXPENDITURE ACCOUNT)  
FOR THE YEAR ENDED 31 DECEMBER 2022**



	Notes	Unrestricted £	Designated £	2022 Total £	2021 Total £
<b>Income from:</b>					
Charitable activities	3	117,281	-	117,281	112,708
Other trading activities	4	59,134	-	59,134	86,154
Investment Income	5	3,713	4,899	8,612	7,809
<b>Total Incoming</b>		180,128	4,899	185,027	206,671
<b>Expenditure on:</b>					
Raising funds	6	46,650	6,408	53,058	52,115
Charitable activities	7	126,243	5,162	131,405	124,061
<b>Total expenditure</b>		172,893	11,570	184,463	176,176
<b>Net (losses)/gains on investments</b>	8				
Realised		(2,654)	(3,982)	(6,636)	8,837
Unrealised		(17,530)	(26,293)	(43,823)	42,108
		(20,184)	(30,275)	(50,459)	50,945
<b>Net income and net movement in funds</b>		(12,949)	(36,946)	(49,895)	81,440
<b>Reconciliation of funds</b>					
Total funds brought forward		326,800	266,851	593,651	512,211
Total funds carried forward		313,851	229,905	543,756	593,651

The statement of financial activity includes all gains and losses in the period.

All income and expenditure derives from continuing activities.

THE BRITISH GEOTECHNICAL ASSOCIATION  
BALANCE SHEET AT 31 DECEMBER 2022



	Notes	2022	2021
		£	£
<b>FIXED ASSETS</b>			
Market value of investments	8	435,099	480,041
<b>CURRENT ASSETS</b>			
Cash at bank		180,972	116,210
Cash on short term deposit		34,971	107,758
Debtors	9	27,281	27,705
		<hr/>	<hr/>
		243,224	251,672
<b>CURRENT LIABILITIES</b>			
Creditors	10	134,567	138,063
		<hr/>	<hr/>
<b>NET CURRENT ASSETS</b>		108,657	113,609
		<hr/>	<hr/>
<b>TOTAL ASSETS</b>	11	543,756	593,651
<b>Financed by:</b>			
<b>ACCUMULATED FUNDS</b>			
Unrestricted	11	313,851	326,800
Designated Funds	12	229,905	266,851
		<hr/>	<hr/>
		543,756	593,651
		<hr/>	<hr/>

The notes on page 13 to 17 form part of these financial statements.

Approved by the committee on 13th June 2023 and signed on its behalf by:

David Toll  
Chair

Yvonne Ainsworth  
Honorary Treasurer



## THE BRITISH GEOTECHNICAL ASSOCIATION

### Notes to the financial statements for the year ended 31 December 2022

#### 1 Responsibilities of the Committee

The Committee is responsible for maintaining proper accounting records which disclose with reasonable accuracy at any time the financial position of the Association and for taking reasonable steps for the prevention and detection of fraud and other irregularities.

In preparing the financial statements the Committee are required to :

- a) select suitable accounting policies and then apply them consistently
- b) make judgements and estimates that are reasonable and prudent
- c) prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Association will continue to operate.

#### 2 Accounting Policies

The financial statements have been prepared in accordance with the Financial Reporting Standard 102 (effective January 2019) (FRS 102), the Companies Act 2006 and the requirements of the Statement of Recommended Practice (SORP) applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019) (Charities SORP FRS 102).

The British Geotechnical Association meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

There are no material uncertainties about the charity's ability to continue, and so the going concern basis of accounting has been adopted.

#### Income

All subscriptions and investment income is accounted for when received, except in the case of subscriptions which are specifically stated to be in respect of an ensuing accounting period. No credit is taken for subscriptions unpaid at the balance sheet date.

Donation income is accounted for when the Association has entitlement to the income, the income is probable and can be measured reliably.

#### Expenditure

Expenditure is recognised when there is a legal or constructive obligation to transfer resources to a third party, settlement is probable and the amount can be measured reliably. Expenditure is included within the Statement of Financial Activities on an accruals basis.

#### Fund Accounting

Unrestricted funds can be used in accordance with the charitable objectives of the Society, at the discretion of the Trustees. Restricted funds can only be used for the particular restricted purposes within the objectives of the Society.

The association has the following designated funds:

##### **Rankine Fund**

The Rankine Fund has been consolidated into the British Geotechnical Association accounts.

##### **BGA Fund**

The BGA Fund has been consolidated into the British Geotechnical Association accounts.

#### Investments

Investments are shown at market value. Unrealised gains are incorporated within the fund balances to which the investments relate and are identified as unrealised. Cash held as part of the investments portfolio is included in investments.

#### Taxation

The charity is exempt from taxation on its charitable activities.

THE BRITISH GEOTECHNICAL ASSOCIATION



Notes to the financial statements for the year ended 31 December 2022

3. Charitable activities	2022		2021	
	£	£	£	£
<i>Members subscriptions</i>				
United Kingdom	99,895		95,247	
Europe	6,134		6,938	
Africa	469		465	
Asia	4,451		4,083	
Australasia	3,799		3,705	
North America	1,950		1,800	
South America	583		470	
		117,281		112,708
<hr/>				
4. Other trading activities	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner	31,060	-	-	31,060
Annual Conference	20,890	-	-	20,890
Early Career Group	3,835	-	-	3,835
Other Function Income	2,580	-	-	2,580
Book sales and royalties	769	-	-	769
	59,134	-	-	59,134
<hr/>				
5. Investment Income	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Investment Income	3,713	4,873	26	8,612
<hr/>				
6. Raising funds	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner/Lecture	27,592	4,845	-	32,437
Annual Conference	8,780	-	-	8,780
Early Career Group	4,675	-	-	4,675
Young Geotechnical Engineers' Conference	1,872	-	-	1,872
Special Events	2,689	-	-	2,689
Investment Management Fee	1,042	1,563	-	2,605
	46,650	6,408	-	53,058
<hr/>				



THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2022

<b>7. Charitable activities</b>	<b>2022</b>	<b>2021</b>
	<b>£</b>	<b>£</b>
Subscriptions to other bodies	15,824	16,083
Awards & prizes	6,432	3,287
Administration	14,062	14,794
Honoraria	11,700	11,700
Website	2,475	410
Postage	35	54
Printing, stationery and photocopying	1,164	4,043
Meeting expenses	580	969
Publication - Ground Engineering	73,474	70,200
Other expenses	2,501	-
Reviewer Fee	1,146	1,134
Cost of trustees meeting	759	183
Community support activities	1,108	1,108
Bank charges	145	96
	<u>131,405</u>	<u>124,061</u>
<b>8. Investments - Rankine fund</b>	<b>2022</b>	<b>2021</b>
	<b>£</b>	<b>£</b>
Market value at 1 January 2022	461,618	418,156
Disposals at market value	(323,357)	(226,372)
Acquisitions at cost	335,122	218,889
Net loss on revaluation	(50,459)	50,945
	<u>422,924</u>	<u>461,618</u>
Listed investments at market value at 31 December 2022	422,924	461,618
Cash on deposit awaiting investment	12,175	18,423
	<u>435,099</u>	<u>480,041</u>
<b>9. Debtors</b>	<b>2022</b>	<b>2021</b>
	<b>£</b>	<b>£</b>
Other Debtors (including Prepayments)	20,586	8,449
Amount due from ICE	6,695	19,256
	<u>27,281</u>	<u>27,705</u>



THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2022

10. Creditors	2022 £	2021 £
Creditors and accruals	113,195	76,477
Subscriptions and other receipts in advance	21,372	61,586
	134,567	138,063
	134,567	138,063

Funds held on behalf of FMGM amount to £5,143 at year end.

11. Analysis of net assets between funds	Unrestricted Funds £	Designated Funds £	Total Funds £
<b>Fund balances at 31 December 2022 represented by:</b>			
Investments	174,037	261,062	435,099
Current assets	236,823	6,401	243,224
Current liabilities falling due within one year	(134,567)	-	(134,567)
Transfer between funds	37,558	(37,558)	-
	313,851	229,905	543,756
	313,851	229,905	543,756

**Fund balances at 31 December 2021 represented by:**

Investments	192,016	288,026	480,042
Current assets	240,135	11,537	251,672
Current liabilities falling due within one year	(138,063)	-	(138,063)
Transfer between funds	32,712	(32,712)	-
	326,800	266,851	593,651
	326,800	266,851	593,651

12. Designated fund analysis	Rankine Fund £	BGA Fund £	Total £
Balance brought forward at 1 January 2022	255,314	11,537	266,851
Dividends and interest received	4,873	26	4,899
Designated expenditure	(4,845)	(5,162)	(10,007)
Investment Management fees	(1,563)	-	(1,563)
Loss on investment assets	(30,275)	-	(30,275)
	223,504	6,401	229,905
Fund balances carried forward at 31 December 2022	223,504	6,401	229,905



## THE BRITISH GEOTECHNICAL ASSOCIATION

### Notes to the financial statements for the year ended 31 December 2022

#### 13. Trustee expenses

Expenses reimbursed to 5 Trustees, relating to Trustee meeting, Cooling Prize, Rankine Lecture and YGEC and ECG events.

	2022	2021
	£	£
	4,164	572
	<u>4,164</u>	<u>572</u>
	No.	No.
Number of Trustees	<u>5</u>	<u>4</u>

#### 14. Honorary Officers

During the year, the Association's Honorary Officers received honoraria amounting to the following:

	2022	2021
	£	£
Nick Armstrong - Honorary Secretary	6,000	6,000
Yvonne Ainsworth - Honorary Treasurer	3,600	3,600
Martin Preene - Honorary Publicity Officer	2,100	2,100
	<u>11,700</u>	<u>11,700</u>

#### 15. Staff

The Association does not employ staff directly.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

England & Wales - Charity number 284131

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# Accounts

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Charity Number 284131

**THE BRITISH GEOTECHNICAL ASSOCIATION**

Annual Report and Financial Statements for the year ended 31 December 2021

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**LEGAL AND ADMINISTRATIVE INFORMATION**

The British Geotechnical Society was formed in 1949 as an unincorporated association. It became a registered charity by statutes adopted December 1981 as amended in January 1997. It became the British Geotechnical Association by statutes adopted in June 2000 and amended in June 2005, June 2011 and June 2017. The charity number is 284131.

**The charity trustees who served during the year were:**

	Co-opted
Prof K Higgins, Chair (to June 2021)	Ms F Waldron (ECG) (to June 2021)
Prof D Toll, Chair (from June 2021)	Mr T Bowerman (ECG) (to June 2021)
Prof D Toll, Vice-Chair (to June 2021)	Ms Emily Riley (ECG) (from September 2021)
Dr Andrew Ridley (Vice-Chair from June 2021)	Mr Gary Evans (ECG) (from September 2021)
Dr M Coop (to June 2021)	Dr U Lawrence (GeolSoc)
Mr D Waring (to June 2021)	Prof K Higgins, Immediate Past Chair - ex officio (from July 2021)
Mr H Wood (to June 2021)	
Mr E Linde-Arias (IMMM)	Guests
Dr Yu Sheng Hsu	Mr P Perry (BTS)
Ms T Chalmers	
Ms C Doulala-Rigby	Mr T Bowerman (Ground Forum) (from September 2021)
Mr C Barker	Dr J Lawrence (Rankine and ISRM)
Ms S Markvukaj	Mr S Solera (Cooling and Rankine Fund Advisor)
Mr D Daskalopoulos (from June 2021)	Eur Ing N Smith (UK RoGEP, ISSMGE)
Dr G Katsigiannis (from June 2021)	Mr P Reading (Technicians)
Eur Ing S Thomas (from June 2021)	

**The method of appointment or election of trustees and the name of any body or person entitled to nominate or appoint one or more trustees is as follows:**

The Trustees of the British Geotechnical Association are the members of its committee.

The committee comprises.

- Chairman
- Vice-Chairman
- 2 Representatives of the Institution of Civil Engineers
- 9 Elected Members
  - 1 Representative of the Geological Society of London (Geol Soc)
  - 1 Representative of the Institute of Materials, Minerals and Mining (IMMM)
  - 1 Representative of the British Tunnelling Society (BTS)
  - 1 Representative of the International Society for Rock Mechanics (ISRM)
- Co-opted members

The Chairman and Vice Chairman of the Association shall be elected by members of the committee.

Only members of the Association shall be members of the Committee. This requirement may be waived if the Committee agrees.

The members to be elected by ballot shall be nominated by not less than three members of the Association.

Honorary Officers shall not be entitled to vote at Committee Meetings.

Details of Membership classes are under Association Organisation.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Trustees' Annual Report for the year ended 31 December 2021**



**LEGAL AND ADMINISTRATIVE INFORMATION**

The principal office of the charity is:

One Great George Street  
Westminster  
London SW1P 3AA

Names and addresses of other relevant organisations:

**Bankers**

CAF BANK Limited  
PO Box 289  
West Malling  
Kent ME19 4TA

**Solicitors**

Solicitors are appointed from time to time as the need arises.

**Independent examiner**

Jonathan Healey FCA  
Lindcay Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

**Investment Advisers**

Coutts & Co  
440 Strand  
London WC2R 0QS

## OBJECTIVES, POLICIES AND ORGANISATION

### Investment Policy

Management of investments is delegated by the Committee to Coutts & Co. The fund is managed with an emphasis on long term capital growth (eight years or longer) and a moderate to high approach to risk.

### Reserves Policy

The trustees consider it prudent to keep unrestricted reserves at levels which ensure that there are sufficient funds to meet the needs of current and future activities. The activities of the Association are largely regular and predictable in the medium to long term. Reserves can therefore be relied on to act as contingency in the event of income flows being disrupted. Reserves have increased this year with less expenditure due to Covid restrictions. In March 2023 the Association is organising the Geo-Resilience 2023 conference and should incur costs which should reduce the reserves. Our unrestricted free reserves amounted to £593,161 (2020 - £512,211).

### Charity objectives

The objects of the Association are the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering.

### Summary of policies adopted to further the objects of the Association

- a) To hold regular meetings for discussion of subjects lying within the above fields.
- b) To arrange for the holding of periodical and regional conferences, symposia and seminars.
- c) To co-operate in the activities of International Societies of which the British Geotechnical Association is a member and with such bodies as may be appropriate.
- d) Generally promote training courses and seminars in the field of geotechnology.
- e) To do lawful things as shall further the above objects.

There are no changes in the Association's objects from the previous year.

### Association Organisation - Committee

The affairs of the Association are managed by the Committee.

### Membership

Individual membership shall be open to those professionally engaged or otherwise actively interested in work lying within the scope of the Association, upon payment of the appropriate entrance fee and annual subscription.

Corporate membership shall be open to all organisations, or parts of organisations, engaged or otherwise actively interested in any aspect of geotechnical engineering.

Subscriptions may only be modified with the approval of the Annual General Meeting or a Special General Meeting.



**OBJECTIVES, POLICIES AND ORGANISATION**

**Sponsorship**

The following three bodies shall be associated in the sponsorship of the Association.

- a) The Institution of Civil Engineers
- b) The Institute of Materials, Minerals and Mining
- c) The Geological Society of London

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 1 COMMITTEE STRUCTURE AND ACTIVITIES

Professor David Toll took over the role of Chair of the Association in June 2021 and Dr Andrew Ridley took over as Vice-Chair. We would like to thank Professor Kelvin Higgins for his successful term of office as Chair that was completed in June 2021. Kelvin remained on the Executive Committee as Immediate Past Chair.

The Honorary Officers continued in their role, namely:

- Yvonne Ainsworth, Honorary Treasurer
- Nick Armstrong, Honorary Secretary
- Martin Preene, Honorary Communications Officer.

These roles are key to the continuity and smooth running of the BGA. They ensure that the Association fulfils its obligations and that the statutes are complied with. Our thanks are due to Yvonne, Nick and Martin for their hard work and dedication to the affairs of the Association.

For the Executive Committee, the terms of office for the following elected members came to an end:

- Matthew Coop
- David Waring
- Hugo Wood

Matthew, David and Hugo were very active members of the committee. We would like to thank them for their service and all the work they did.

Dimitrios Daskalopoulos, Georgios Katsigiannis and Stephen Thomas were elected to the Committee by the membership and started their terms of office in June 2021.

Sergio Solera was co-opted onto the Committee to support the Cooling Prize activities.

The Executive Committee is divided into a number of sub-committees led by the following individuals:

- James Lawrence continued as a co-opted member of the committee with responsibility for organising the Rankine lecture and associated events.
- Chris Barker co-ordinated judging for prizes and awards.
- Emilio Linde-Arias took responsibility for organising the evening meetings.
- Yu Sheng Hsu led the group organising events for Young Professionals which included the Cooling Prize.
- Emily Riley and Gary Evans represented the Early Career Group (ECG).
- Peter Reading continued his work on developing programmes for technologists.
- Tony Bowerman joined the Ground Forum as the BGA's representative.
- Yuli Doulala-Rigby continued as the BGA's representative on the Ground Engineering editorial panel.
- Yvonne Ainsworth continued to administer the BGA Fund awards.
- A group which included Tarryn Chalmers, Andrew Ridley, Kelvin Higgins and Dimitrios Daskalopoulos took responsibility for organising events such as the Fleming Prize and the Annual Conference.
- Kelvin Higgins joined the ICE's Structures and Geotechnical Community Advisory Board as the BGA's representative.
- Neil Smith continued as ISSMGE liaison and James Lawrence took responsibility for ISRM liaison.

### 2 MEETINGS

The pandemic continued to cause some disruption to our programme of events, although, thanks to the ICE events staff, we were able to continue to offer virtual events for the early part of the year. From September we moved back to face-to-face events (although still providing an on-line alternative). The Annual Conference was postponed from June until September so that it could be held as a face-to-face event. The 60th Rankine Lecture had to be postponed again until March 2022.

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 2 MEETINGS (continued)

The BGA hosted a total of 8 events during 2021 in addition to the John Mitchell Lecture, the Fleming Award, the Cooling Prize, the Géotechnique Lecture and the Annual Conference. We were able to hold 2 of the evening meetings, the Géotechnique Lecture, the Fleming Award and the Annual Conference face-to-face but all the other events were virtual. The points to note were as follows:

The John Mitchell Award Lecture was delivered as an online event by David Beadman on 'A Career Embedded in the Ground' during January 2021.

In March 2021, the Cooling Prize competition was hosted by the Midland Geotechnical Society as an online event. It was won by Alice Duley of Jacobs. While the judging was underway, Sarah Trinder of HS2 gave a talk on "HS2 Britain's new high speed railway - where are we now".

The Géotechnique Lecture was held in November 2021 and was delivered in-person by Dr Stuart Haigh of Cambridge University on 'Performance-based Design of Propped Retaining Walls'.

The Fleming Award was held in December 2021 and it was won by the Hinkley Point C Geotechnical Works. While the judging was underway, David Wright of Jacobs gave a talk on "Fibre optic sensing - a distributed technology for earthworks".

There were evening meetings covering the following topics:

- The Geotechnical Practitioner (Jeremy Ingham, Diales)
- Geosynthetics in Hong Kong Landfills (John Cowland, Geosystems Ltd UK)
- HS2 MWCC Contract C1 - Chiltern Tunnel Enabling Works (South Portal) (Peter Gilbert, Antonios Paraskeva, Diogo Ferreira (Align-D) and Martin Klein (Align-JV))
- Geotechnical Challenges of the A14 Cambridge to Huntingdon Improvement Scheme (Paul Nowak (Atkins) and Dean Maddison (Jacobs)).
- A Method for Investigating the Extent of Rock Bridges: FERM (Junlong Shang (University of Glasgow) and Steve Hencher (University of Leeds)).
- Southbank Place - The Redevelopment of the Shell Centre, Waterloo, London (Stuart Hardy and Anton Pillai, Arup)
- Managing Legal Risk: A Geotechnical and Geosynthetic Perspective (Russell Jones, Golder)

The ECG organised 4 talks and 5 networking and strategy events. The formal talks were as follows:

- Preparing for ICE Chartered Professional Review 2021
- Health & Safety Talk
- Innovation in Geotechnical Engineering Series: Landslide Mitigation for Highways England Assets: Willow Poles as a Sustainable Solution
- The Effects of Weathering on the Chalk Unsaturated Zone

### 3 PRIZES

During 2021 the following prizes were awarded:

- The BGA Medal: B W Byrne, G T Houlby, H J Burd, K G Gavin, D J.P Igoe, R J Jardine, C M Martin, R A McAdam, D M Potts, D M G Taborda & L Zdravkovic - PISA design model for monopiles for offshore wind turbines: Application to a stiff glacial clay till. *Géotechnique* 70 (11), 1030–1047
- The Cooling Prize: Alice Duley, Jacobs
- The Fleming Award: Hinkley Point C Geotechnical Works (BAM Ritchies, NNB (EDF), AECOM, Kier Bam JV)
- The John Mitchell Award Lecture: David Beadman of Byrne Looby
- The BGA Masters' Dissertation Prize: Abigail Bateman, Bristol University: Analytical methods for non-linear pile base settlement prediction in clay

## REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR

### 4 COMMENTS

In common with similar bodies, this has been a further challenging year. We have continued to overcome difficulties in order to provide benefits to our membership through on-line events organised by the ICE staff. We were pleased to be able to resume face-to-face events in September 2021.

Our biennial conference, Piling 2020, was postponed until March 2021 and held as an on-line event. The on-line conference was held over 4 half-days and proved highly successful. We are grateful to the organising committee for all their hard work for producing such a successful conference. The Conference Proceedings were published as: Higgins, K.G., Ainsworth, Y., Toll, D.G and Osman, A.S. (eds.) (2021) Proceedings of the Piling 2020 Conference. London: ICE Publishing, ISBN 978-0-7277-6504-8. p. 568.

The 60th Rankine Lecture had to be postponed again and was finally held in March 2022. On-line events have continued to attract large audiences, and even for face-to-face events there have been larger on-line audiences. We shall be looking at whether some of our evening meetings will be held as on-line only events, while enhancing other networking opportunities.

At the end of 2021 we had around 1,380 individual members and 47 corporate members. Our membership has remained relatively static. In the coming year, we want to see how we can reach individuals who have an interest in geotechnical engineering and entice them to become involved in the community by joining the BGA.



David Toll

Trustees' Annual Report for the year ended 31 December 2021

**Importance of the efforts of unpaid volunteers and provision of free facilities and services**

The success of the Association continues to depend entirely on the work of very many people, those who have served on its committees and working groups, those who have spoken and taken part in its meetings, and those who have helped in many other ways. The British Geotechnical Association would like to take this opportunity to register its appreciation of the efforts of all those who so willingly helped during the year.

**Review of the transactions and financial position of the charity**

**Unrestricted Funds**

Membership subscriptions include subscriptions to the publication Ground Engineering. The Committee considers the reserves to be adequate to meet its on-going activities. Surplus funds are placed on short term deposit.

A surplus of £51,136 income over expenditure for the year has increased the unrestricted fund, which amounts to £326,800 at the year end. This compares to a deficit in the unrestricted fund of £17,312 in 2020.

**Designated Funds - Rankine Fund**

The fund balance at the year-end amounts to £255,314 after an investment gain of £30,567 compared to a gain of £8,451 in 2020 and an excess of income over expenditure of £31,949, compared to an excess of expenditure over income of £2,065 in 2020.

Investment income is used to fund the Rankine Lecture.

**Designated Funds - The BGA Fund**

The fund balance at the year-end amounts to £11,537 after awarding bursaries to two recipients, totalling £1,646 and interest received of £1, compared to £12 received in 2020.

The BGA Fund is intended to aid students and early career professionals in geotechnics and allied subjects (normally under 35 years of age) in their training, development and experience (including funding of teaching, research and travel, e.g. conference attendance, exchanges with young graduates in other countries). It is also for raising the understanding and the appreciation of geotechnics by the public, particularly pupils at schools and colleges (to further the interest in geotechnics as a career) and other technical/scientific professionals (to encourage the employment of experts in geotechnics on projects wherever appropriate).

**Degree of Financial Dependency**

As discussed above the Association is dependent on the voluntary efforts of its members.

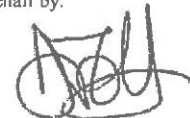
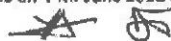
**Risk Assessment**

A risk assessment with respect to the finances of the BGA has been carried out by the Financial and General Purposes sub-committee. A register of risks has been established which is reviewed at least annually. Where appropriate, measures have been identified to mitigate the risks the charity faces.

**Organisational Context**

The Association's role is the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering, which is not something that can exist in isolation and there are many important links with other engineering disciplines and sciences. Although totally separate from other organisations, the Association seeks to co-operate in areas of common ground with other bodies.

The Annual Report on pages 2 to 9 was approved by the Committee on <sup>06.12.22</sup>~~14th June 2022~~ and was signed on its behalf by:



David Toll - Chair of the Committee

**Independent Examiner's Report to the Trustees of the British Geotechnical Association**

I report to the Trustees on my examination of the accounts of the charity for the year ended 31 December 2021, which are set out on pages 11 to 17.

**Respective responsibilities of trustees and examiner**

As the charity trustees of the Association, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ('the Act'). I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity.

**Independent Examiner's statement**

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:

1. accounting records were not kept in respect of the Trust as required by section 130 of the Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair view' which is not a matter considered as part of an independent examination.

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached



Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

16 December 2022

**THE BRITISH GEOTECHNICAL ASSOCIATION  
STATEMENT OF FINANCIAL ACTIVITIES  
(INCLUDING INCOME AND EXPENDITURE ACCOUNT)  
FOR THE YEAR ENDED 31 DECEMBER 2021**



	Notes	Unrestricted £	Designated £	2021 Total £	2020 Total £
<b>Income from:</b>					
Charitable activities	3	112,708	-	112,708	108,313
Other trading activities	4	86,154	-	86,154	1,677
Investment Income	5	3,130	4,679	7,809	6,326
<b>Total Incoming</b>		<u>201,992</u>	<u>4,679</u>	<u>206,671</u>	<u>116,316</u>
<b>Expenditure on:</b>					
Raising funds	6	48,819	3,296	52,115	14,387
Charitable activities	7	122,415	1,646	124,061	125,727
<b>Total expenditure</b>		<u>171,234</u>	<u>4,942</u>	<u>176,176</u>	<u>140,114</u>
<b>Net gains/(losses) on investments</b>	8				
Realised		3,535	5,302	8,837	16,095
Unrealised		16,843	25,265	42,108	(2,010)
		<u>20,378</u>	<u>30,567</u>	<u>50,945</u>	<u>14,085</u>
<b>Net income and net movement in funds</b>		<u>51,136</u>	<u>30,304</u>	<u>81,440</u>	<u>(9,713)</u>
<b>Reconciliation of funds</b>					
Total funds brought forward		275,664	236,547	512,211	521,924
Total funds carried forward		<u>326,800</u>	<u>266,851</u>	<u>593,651</u>	<u>512,211</u>

The statement of financial activity includes all gains and losses in the period.

All income and expenditure derives from continuing activities.

**THE BRITISH GEOTECHNICAL ASSOCIATION  
BALANCE SHEET AT 31 DECEMBER 2021**

	Notes	2021	2020
		£	£
<b>FIXED ASSETS</b>			
Market value of investments	8	480,041	423,795
<b>CURRENT ASSETS</b>			
Cash at bank		116,209	167,842
Cash on short term deposit		107,758	63,736
Debtors	9	27,705	22,351
		<hr/>	<hr/>
		251,672	253,929
<b>CURRENT LIABILITIES</b>			
Creditors	10	138,063	165,513
		<hr/>	<hr/>
<b>NET CURRENT ASSETS</b>		113,609	88,416
		<hr/>	<hr/>
<b>TOTAL ASSETS</b>	11	593,650	512,211
		<hr/>	<hr/>
Financed by:			
<b>ACCUMULATED FUNDS</b>			
Unrestricted	11	326,800	275,664
Designated Funds	12	266,851	236,547
		<hr/>	<hr/>
		593,651	512,211
		<hr/>	<hr/>

The notes on page 13 to 17 form part of these financial statements.

Approved by the committee on <sup>06.12.22</sup>~~14th June 2022~~ and signed on its behalf by:



David Toll  
Chair



Yvonne Ainsworth  
Honorary Treasurer

**Notes to the financial statements for the year ended 31 December 2021**

**1 Responsibilities of the Committee**

The Committee is responsible for maintaining proper accounting records which disclose with reasonable accuracy at any time the financial position of the Association and for taking reasonable steps for the prevention and detection of fraud and other irregularities.

In preparing the financial statements the Committee are required to :

- a) select suitable accounting policies and then apply them consistently
- b) make judgements and estimates that are reasonable and prudent
- c) prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Association will continue to operate.

**2 Accounting Policies**

The financial statements have been prepared in accordance with the Financial Reporting Standard 102 (effective January 2019) (FRS 102), the Companies Act 2006 and the requirements of the Statement of Recommended Practice (SORP) applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019) (Charities SORP FRS 102).

The British Geotechnical Association meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

There are no material uncertainties about the charity's ability to continue, and so the going concern basis of accounting has been adopted.

**Income**

All subscriptions and investment income is accounted for when received, except in the case of subscriptions which are specifically stated to be in respect of an ensuing accounting period. No credit is taken for subscriptions unpaid at the balance sheet date.

Donation income is accounted for when the Association has entitlement to the income, the income is probable and can be measured reliably.

**Expenditure**

Expenditure is recognised when there is a legal or constructive obligation to transfer resources to a third party, settlement is probable and the amount can be measured reliably. Expenditure is included within the Statement of Financial Activities on an accruals basis.

**Fund Accounting**

Unrestricted funds can be used in accordance with the charitable objectives of the Society, at the discretion of the trustees. Restricted funds can only be used for the particular restricted purposes within the objectives of the Society.

The association has the following designated funds:

**Rankine Fund**

The Rankine Fund has been consolidated into the British Geotechnical Association accounts.

**BGA Fund**

The BGA Fund has been consolidated into the British Geotechnical Association accounts.

**Investments**

Investments are shown at market value. Unrealised gains are incorporated within the fund balances to which the investments relate and are identified as unrealised. Cash held as part of the investments portfolio is included in investments.

**Taxation**

The charity is exempt from taxation on its charitable activities.

Notes to the financial statements for the year ended 31 December 2021

3. Charitable activities	2021		2020	
	£	£	£	£
<i>Members subscriptions</i>				
United Kingdom	95,247		91,238	
Europe	6,938		6,682	
Africa	465		349	
Asia	4,083		3,787	
Australasia	3,705		3,864	
North America	1,800		1,723	
South America	470		670	
		112,708		108,313
<hr/> <hr/>				
4. Other trading activities	General	Rankine Fund	BGA Fund	Total
	£	(Designated) £	(Designated) £	£
Annual Conference	16,300	-	-	16,300
Piling Conference	67,137	-	-	67,137
Early Career Group	1,250	-	-	1,250
Other Function Income	1,200	-	-	1,200
Book sales and royalties	267	-	-	267
	86,154	-	-	86,154
<hr/> <hr/>				
5. Investment Income	General	Rankine Fund	BGA Fund	Total
	£	(Designated) £	(Designated) £	£
Investment Income	3,130	4,678	1	7,809
<hr/> <hr/>				
6. Raising funds	General	Rankine Fund	BGA Fund	Total
	£	(Designated) £	(Designated) £	£
Rankine Lecture	-	1,800	-	1,800
Annual Conference	7,756	-	-	7,756
Piling Conference	38,243	-	-	38,243
Early Career Group	1,822	-	-	1,822
Investment Management Fee	998	1,496	-	2,494
	48,819	3,296	-	52,115
<hr/> <hr/>				



THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2021

<b>7. Charitable activities</b>	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
Subscriptions to other bodies	16,083	15,201
Awards & prizes	3,287	3,948
Administration	14,794	11,573
Honoraria	11,700	11,700
Website	410	7,272
Postage	54	47
Printing, stationery and photocopying	4,043	2,207
Meeting expenses	969	2,312
Publication - Ground Engineering	70,200	66,522
Other expenses	-	3,542
Reviewer Fee	1,134	1,122
Cost of trustees meeting	183	209
Community support activities	1,108	-
Bank charges	96	72
	<u>124,061</u>	<u>125,727</u>
	<u><u>124,061</u></u>	<u><u>125,727</u></u>
<b>8. Investments - Rankine fund</b>	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
Market value at 1 January 2021	418,156	396,704
Disposals at market value	(226,372)	(225,677)
Acquisitions at cost	218,889	233,044
Net gain on revaluation	50,945	14,085
	<u>461,618</u>	<u>418,156</u>
Listed investments at market value at 31 December 2021	461,618	418,156
Cash on deposit awaiting investment	18,423	5,639
	<u>480,041</u>	<u>423,795</u>
Market value as at 31 December 2021	<u><u>480,041</u></u>	<u><u>423,795</u></u>
<b>9. Debtors</b>	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
Other Debtors (including Prepayments)	8,449	6,241
Amount due from ICE	19,256	16,110
	<u>27,705</u>	<u>22,351</u>
	<u><u>27,705</u></u>	<u><u>22,351</u></u>

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Notes to the financial statements for the year ended 31 December 2021**

<b>10. Creditors</b>	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
Creditors and accruals	76,477	75,281
Subscriptions and other receipts in advance	61,586	90,232
	<u>138,063</u>	<u>165,513</u>

Funds held on behalf of FMGM amount to £5,143 at year end.

<b>11. Analysis of net assets between funds</b>	<b>Unrestricted Funds</b>	<b>Designated Funds</b>	<b>Total Funds</b>
	<b>£</b>	<b>£</b>	<b>£</b>
<b>Fund balances at 31 December 2021 represented by:</b>			
Investments	192,016	288,026	480,042
Current assets	240,135	11,537	251,672
Current liabilities falling due within one year	(138,063)	-	(138,063)
Transfer between funds	32,712	(32,712)	-
	<u>326,800</u>	<u>266,851</u>	<u>593,651</u>

**Fund balances at 31 December 2020 represented by:**

Investments	169,518	254,277	423,795
Current assets	240,747	13,182	253,929
Current liabilities falling due within one year	(165,513)	-	(165,513)
Transfer between funds	30,912	(30,912)	-
	<u>275,664</u>	<u>236,547</u>	<u>512,211</u>

<b>12. Designated fund analysis</b>	<b>Rankine Fund</b>	<b>BGA Fund</b>	<b>Total</b>
	<b>£</b>	<b>£</b>	<b>£</b>
Balance brought forward at 1 January 2021	223,365	13,182	236,547
Dividends and interest received	4,678	1	4,679
Designated expenditure	(1,800)	(1,646)	(3,446)
Investment Management fees	(1,496)	-	(1,496)
Gain on investment assets	30,567	-	30,567
	<u>255,314</u>	<u>11,537</u>	<u>266,851</u>
Fund balances carried forward at 31 December 2021	<u>255,314</u>	<u>11,537</u>	<u>266,851</u>

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Notes to the financial statements for the year ended 31 December 2021**

**13. Trustee expenses**

Expenses reimbursed to four Trustees, relating to Cooling Prize 2021 and ECG events.

	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
	572	218
	<u>572</u>	<u>218</u>
	<b>No.</b>	<b>No.</b>
Number of Trustees	4	1
	<u>4</u>	<u>1</u>

**14. Honorary Officers**

During the year, the Association's Honorary Officers received honoraria amounting to the following:

	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
Nick Armstrong - Honorary Secretary	6,000	6,000
Yvonne Ainsworth - Honorary Treasurer	3,600	3,600
Martin Preene - Honorary Publicity Officer	2,100	2,100
	<u>11,700</u>	<u>11,700</u>

**15. Staff**

The Association does not employ staff directly.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

England & Wales - Charity number 284131

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# Accounts

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Charity Number 284131

**THE BRITISH GEOTECHNICAL ASSOCIATION**

Annual Report and Financial Statements for the year ended 31 December 2020

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THE BRITISH GEOTECHNICAL ASSOCIATION



Trustees' Annual Report for the year ended 31 December 2020

**LEGAL AND ADMINISTRATIVE INFORMATION**

The British Geotechnical Society was formed in 1949 as an unincorporated association. It became a registered charity by statutes adopted December 1981 as amended in January 1997. It became the British Geotechnical Association by statutes adopted in June 2000 and amended in June 2005, June 2011 and June 2017. The charity number is 284131.

**The charity trustees who served during the year were:**

Prof K Higgins, Chairman	Mr P Perry (BTS)
Prof D Toll, Vice-Chairman	Dr J Lawrence (Rankine)
Dr M Coop	Ms F Waldron (ECG)
Mr D Waring	Mr T Bowerman (ECG)
Mr H Wood	Mr P Reading (Technicians)
Mr E Linde-Arias	Ms T Radford (Geol Soc) (to June 2020)
Dr Yu Sheng Hsu	Dr U Lawrence (Geol Soc) (from September 2020)
Ms T Chalmers	Mr M Griffin (IMMM) (to June 2020)
Dr V Nyambayo (to June 2020)	Eur Ing N Smith (UK RoGEP, ISSMGE)
Dr S Pollard (to June 2020)	Prof J Coggan (ISRM) (to June 2020)
Ms C Doukala-Rigby (from July 2020)	Mr S Solera (Cooling) (to November 2020)
Mr C Barker (from July 2020)	
Ms S Markvukaj (from July 2020)	

**The method of appointment or election of trustees and the name of any body or person entitled to nominate or appoint one or more trustees is as follows:**

The Trustees of the British Geotechnical Association are the members of its committee.

**The committee comprises:**

Chairman  
Vice-Chairman  
2 Representatives of the Institution of Civil Engineers  
9 Elected Members  
1 Representative of the Geological Society of London (Geol Soc)  
1 Representative of the Institute of Materials, Minerals and Mining (IMMM)  
1 Representative of the British Tunnelling Society (BTS)  
1 Representative of the International Society for Rock Mechanics (ISRM)  
Co-opted members

The Chairman and Vice Chairman of the Association shall be elected by members of the committee.

Only members of the Association shall be members of the Committee. This requirement may be waived if the Committee agrees.

The members to be elected by ballot shall be nominated by not less than three members of the Association.

Honorary Officers shall not be entitled to vote at Committee Meetings.

Details of Membership classes are under Association Organisation.

THE BRITISH GEOTECHNICAL ASSOCIATION

Trustees' Annual Report for the year ended 31 December 2020



**LEGAL AND ADMINISTRATIVE INFORMATION**

The principal office of the charity is:

One Great George Street  
Westminster  
London SW1P 3AA

Names and addresses of other relevant organisations:

**Bankers**

CAF BANK Limited  
PO Box 289  
West Malling  
Kent ME19 4TA

**Solicitors**

Solicitors are appointed from time to time as the need arises.

**Independent examiner**

Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

**Investment Advisers**

Coutts & Co  
440 Strand  
London WC2R 0QS

## **OBJECTIVES, POLICIES AND ORGANISATION**

### **Investment Policy**

Management of investments is delegated by the Committee to Coutts & Co. The fund is managed with an emphasis on long term capital growth (eight years or longer) and a moderate to high approach to risk.

### **Reserves Policy**

The trustees consider it prudent to keep unrestricted reserves at levels which ensure that there are sufficient funds to meet the needs of current and future activities. The activities of the Association are largely regular and predictable in the medium to long term. Reserves can therefore be relied on to act as contingency in the event of income flows being disrupted. Our unrestricted free reserves amounted to £512,211 (2019 - £521,924).

### **Charity objectives**

The objects of the Association are the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering.

### **Summary of policies adopted to further the objects of the Association**

- a) To hold regular meetings for discussion of subjects lying within the above fields.
- b) To arrange for the holding of periodical and regional conferences, symposia and seminars.
- c) To co-operate in the activities of International Societies of which the British Geotechnical Association is a member and with such bodies as may be appropriate.
- d) Generally promote training courses and seminars in the field of geotechnology.
- e) To do lawful things as shall further the above objects.

There are no changes in the Association's objects from the previous year.

### **Association Organisation - Committee**

The affairs of the Association are managed by the Committee.

### **Membership**

Individual membership shall be open to those professionally engaged or otherwise actively interested in work lying within the scope of the Association, upon payment of the appropriate entrance fee and annual subscription.

Corporate membership shall be open to all organisations, or parts of organisations, engaged or otherwise actively interested in any aspect of geotechnical engineering.

Subscriptions may only be modified with the approval of the Annual General Meeting or a Special General Meeting.

**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Trustees' Annual Report for the year ended 31 December 2020**



**OBJECTIVES, POLICIES AND ORGANISATION**

**Sponsorship**

The following three bodies shall be associated in the sponsorship of the Association.

- a) The Institution of Civil Engineers
- b) The Institute of Materials, Minerals and Mining
- c) The Geological Society of London

**REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR  
CHAIRMAN'S REPORT FOR 2020**

**1 COMMITTEE STRUCTURE AND ACTIVITIES**

Kelvin Higgins continued as Chair of the Association and Professor David Toll continued as Vice-Chair. The Honorary Officers continued in their role, namely:

- Yvonne Ainsworth, Honorary Treasurer
- Nick Armstrong, Honorary Secretary
- Martin Preene, Honorary Communications Officer.

These roles are key to the continuity and smooth running of the BGA. They ensure that the Association fulfils its obligations and that the statutes are complied with. Our thanks to Yvonne, Nick and Martin are due for their hard work and dedication to the affairs of the Association.

For the Executive Committee, the terms of office for the following elected members came to an end:

- David Toll who took up the post of vice-chair in 2019 and continues in that capacity.
- Vincent Nyambayo,
- Susan Pollard

Vincent and Susan were very active members of the committee. We would like to thank them for their service and all the work they did.

Yuli Doulala-Rigby, Chris Barker and Stephanie Mennecier were elected to the Committee by the membership and started their terms of office in June 2020.

Sergio Solera was co-opted onto the Committee to organise the Cooling Prize and to lead discussions on how the competition might be reorganised to attract a broader range of entries. His dedication to this role has to be recognised.

The Executive Committee is divided into a number of sub-committees led by the following individuals:

- James Lawrence continued as a co-opted member of the committee with responsibility for organising the Rankine lecture and associated events.
- Matthew Coop co-ordinated judging for prizes and awards.
- Peter Reading continued his work on developing programmes for technologists.
- Hugo Wood took responsibility for organising the evening meetings.
- Yu Sheng Hsu led the group organising events for Young Professionals which included the Cooling Prize overseen by Sergio Solera.
- Francesca Waldron and Tony Bowerman represented the Early Career Group (ECG).
- The BGA have a representative who is responsible for liaison with the BSI. Graham Taylor continues to act in this role.
- David Waring joined the Ground Forum as the BGA's representative.
- Yuli Doulala-Rigby became the BGA's representative on the Ground Engineering editorial panel.
- Yvonne Ainsworth continued to administer the BGA Fund awards.
- A group which included Tarryn Chalmers, Andrew Ridley and David Waring took responsibility for organising events such as the Fleming Prize and the Annual Conference.

**2 MEETINGS**

The pandemic caused some disruption to our programme of events, although, thanks to the ICE events staff, we were able to switch from face-to-face events to virtual events with relative ease, allowing us to complete most of our programme. The most notable casualties being the pre-Rankine seminar and the Rankine Lecture itself. They both had to be postponed.

The BGA, and the ECG, hosted a total of 8 events during 2020 in addition to the John Mitchell Lecture, the Fleming Award, the Cooling Prize and the Annual Conference. We were able to hold 2 of the evening meetings, the John Mitchell Lecture and the Cooling Prize face-to-face but all the other events were virtual. The points to note were as follows:

The John Mitchell Award Lecture was delivered by Stuart Marchand on The Temporary Support of Excavations during January 2020.

In March 2020, the Cooling Prize competition was hosted by the Yorkshire Geotechnical Group at Leeds University. This was the first time that Christine Cooling (daughter of Dr Leonard Cooling) was not present at the event.

The Fleming Award was held in December 2020 and it was won by the 21 Moorfields Project. While the judging was underway, Dr Christopher Power of Mott MacDonald gave a talk on "Climate Change Challenge to Transportation Infrastructure Geotechnical Assets".

**REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR  
CHAIRMAN'S REPORT FOR 2020**

**2 MEETINGS (continued)**

The Geotechnical Engineering Proceedings Lecture was given by Kristof Verreydt on “Design Parameters for Construction of dikes with Treated Sludge at Redevelopment of Sludge Reservoirs”.

There were evening meetings covering the following topics:

- Hinkley Point C Earthworks Slope Protection
- Lower Thames Crossing: Planning for Design (Cedric Allenou, COWI)
- Listening to Infrastructure: Acoustic Emission Monitoring of Geotechnical Limit States (Professor Neil Dixon and Dr Alister Smith. Loughborough University)
- The Many Faces of Q – Rock Mass Characterization for Tunnels, Caverns, Slopes, TBM Prognosis, Deformability, Shear Strength, Seismic Velocity, Permeability. (Dr Nick Barton).
- The Use of InSAR for Ground Investigation and Monitoring (Dr Richard Ghail of Royal Holloway, University of London)

Because of the Pandemic our Annual Conference had to be re-organised. Rather than being a one-day event in June, it was held on-line over 3 mornings in September. This proved to be a very successful event although, with no sponsorship, there was an impact on the Association's finances.

The ECG organised 3 events which were as follows:

- Preparing for ICE Professional Review - Avoiding 'geotechnical failures' 2020
- Continuing Professional Review Event: Preparing for ICE Professional Review - General Tips and Guidance
- Innovations in Geotechnical Engineering Series - Development of a Continuous Displacement Auger (CDA) Pile

**3 PRIZES**

During 2020 the following prizes were awarded:

- The BGA Medal: M S P Wan, J R Standing, D M Potts & J B Burland for their paper “Pore water pressure and total horizontal stress response to EPBM tunnelling in London Clay”. *Géotechnique* 69 (5), 434–457
- The Cooling Prize: Emily Riley, CVB JV Tideway East
- The Fleming Award: 21 Moorfields - Piling through Moorgate Station, London (Cementation Skanska, Robert Bird Group, Mace, Geotechnical Consulting Group, Land Securities and London Concrete)
- The John Mitchell Award Lecture: Stuart Marchand of Wentworth House
- The BGA Masters' Dissertation Prize: Geng Jie (Jay) Liang, Imperial College London: Characterizing the variability of London Clay: a study of tunnel face logs from the Jubilee Line Extension between Green Park and Waterloo

**REVIEW OF DEVELOPMENTS AND ACHIEVEMENTS DURING THE YEAR  
CHAIRMAN'S REPORT FOR 2020**

**4 COMMENTS**

In common with similar bodies, this has been a challenging year. We have overcome a number of difficulties and continued to provide benefits to our membership through on-line events organised by the ICE staff. We are very grateful to them for their help.

The Rankine Lecture had to be postponed and it is hoped that it can be held in 2021. Our bi-annual conference, Piling 2020, was due to be held in Durham during September 2020 but it had to be postponed and was held in March 2021. This required a considerable amount of reorganisation and we are grateful to the organising committee for all their hard work changing the format of the event.

Generally speaking, the on-line events have attracted large audiences (up to 450 attendees for one of the events) and so we shall be looking at enhancing our evening meetings to enrich the experience for those attending on-line.

On a personal note, I would like to thank David Toll, Yvonne Ainsworth, Nick Armstrong, Martin Preene and Andrew Ridley for their help and support while I underwent a medical procedure and a period of recovery.

At the end of 2020 we had around 1,346 individual members and 42 corporate members. Our membership has remained relatively static. In the coming year, we want to see how we can reach individuals who have an interest in geotechnical engineering and entice them to become involved in the community by joining the BGA.

A handwritten signature in black ink, appearing to read 'Kelvin Higgins', is written over a horizontal line.

Kelvin Higgins

## THE BRITISH GEOTECHNICAL ASSOCIATION



### Trustees' Annual Report for the year ended 31 December 2020

#### **Importance of the efforts of unpaid volunteers and provision of free facilities and services**

The success of the Association continues to depend entirely on the work of very many people, those who have served on its committees and working groups, those who have spoken and taken part in its meetings, and those who have helped in many other ways. The British Geotechnical Association would like to take this opportunity to register its appreciation of the efforts of all those who so willingly helped during the year.

#### **Review of the transactions and financial position of the charity**

##### **Unrestricted Funds**

Membership subscriptions include subscriptions to the publication Ground Engineering.

The Committee considers the reserves to be adequate to meet its on-going activities.

Surplus funds are placed on short term deposit.

A deficit of £17,312 income over expenditure for the year has decreased the unrestricted fund, which amounts to £275,664 at the year end. This compares to a surplus in the unrestricted fund of £31,977 in 2019.

##### **Designated Funds - Rankine Fund**

The fund balance at the year end amounts to £223,365 after an investment gain of £8,451 compared to a gain of £29,743 in 2019 and an excess of income over expenditure of £2,065, compared to an excess of expenditure over income of £8,785 in 2019.

Investment income is used to fund the Rankine Lecture.

##### **Designated Funds - The BGA Fund**

The fund balance at the year end amounts to £13,182 after awarding four bursaries, totalling £2,929 and interest received of £12, compared to £27 received in 2019.

The BGA Fund is intended to aid students and early career professionals in geotechnics and allied subjects (normally under 35 years of age) in their training, development and experience (including funding of teaching, research and travel, e.g. conference attendance, exchanges with young graduates in other countries). It is also for raising the understanding and the appreciation of geotechnics by the public, particularly pupils at schools and colleges (to further the interest in geotechnics as a career) and other technical/scientific professionals (to encourage the employment of experts in geotechnics on projects wherever appropriate).

##### **Degree of Financial Dependency**

As discussed above the Association is dependent on the voluntary efforts of its members.

##### **Risk Assessment**

A risk assessment with respect to the finances of the BGA has been carried out by the Financial and General Purposes sub-committee. A register of risks has been established which is reviewed at least annually. Where appropriate, measures have been identified to mitigate the risks the charity faces.

##### **Organisational Context**

The Association's role is the advancement of public education in the subjects of soil and rock mechanics and engineering geology and in their application to engineering, which is not something that can exist in isolation and there are many important links with other engineering disciplines and sciences. Although totally separate from other organisations, the Association seeks to co-operate in areas of common ground with other bodies.

The Annual Report on pages 2 to 9 was approved by the Committee on 23rd June 2021 and was signed on its behalf by:

A handwritten signature in black ink, appearing to read 'Kelvin Higgins', is written over a horizontal line.

Kelvin Higgins - Chair of the Committee

THE BRITISH GEOTECHNICAL ASSOCIATION



Trustees' Annual Report for the year ended 31 December 2020

**Independent Examiner's Report to the Trustees of the British Geotechnical Association**

I report to the Trustees on my examination of the accounts of the charity for the year ended 31 December 2020, which are set out on pages 11 to 17.

**Respective responsibilities of trustees and examiner**

As the charity trustees of the Association, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ('the Act'). I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity.

**Independent Examiner's statement**

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:

1. accounting records were not kept in respect of the Trust as required by section 130 of the Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached

A handwritten signature in black ink, appearing to read 'Jonathan Healey', written over a horizontal line.

Jonathan Healey FCA  
Lindeyer Francis Ferguson Ltd  
Chartered Accountants  
North House  
198 High Street  
Tonbridge, Kent  
TN9 1BE

12 July 2021

**THE BRITISH GEOTECHNICAL ASSOCIATION  
STATEMENT OF FINANCIAL ACTIVITIES  
(INCLUDING INCOME AND EXPENDITURE ACCOUNT)  
FOR THE YEAR ENDED 31 DECEMBER 2020**



	Notes	Unrestricted £	Designated £	2020 Total £	2019 Total £
<b>Income from:</b>					
Charitable activities	3	108,313	-	108,313	107,887
Other trading activities	4	1,677	-	1,677	53,921
Investment Income	5	2,600	3,726	6,326	8,874
<b>Total Incoming</b>		112,590	3,726	116,316	170,682
<b>Expenditure on:</b>					
Raising funds	6	12,738	1,649	14,387	48,412
Charitable activities	7	122,798	2,929	125,727	122,430
<b>Total expenditure</b>		135,536	4,578	140,114	170,842
<b>Net gains/(losses) on investments</b>					
Realised	8	6,438	9,657	16,095	10,365
Unrealised		(804)	(1,206)	(2,010)	39,207
		5,634	8,451	14,085	49,572
<b>Net income and net movement in funds</b>		(17,312)	7,599	(9,713)	49,412
<b>Reconciliation of funds</b>					
Total funds brought forward		292,976	228,948	521,924	472,512
Total funds carried forward		275,664	236,547	512,211	521,924

The statement of financial activity includes all gains and losses in the period.

All income and expenditure derives from continuing activities.

**THE BRITISH GEOTECHNICAL ASSOCIATION  
BALANCE SHEET AT 31 DECEMBER 2020**



	Notes	2020	2019
		£	£
<b>FIXED ASSETS</b>			
Market value of investments	8	423,795	406,268
<b>CURRENT ASSETS</b>			
Cash at bank		167,842	170,636
Cash on short term deposit		63,736	21,837
Debtors	9	22,351	26,827
		<hr/>	<hr/>
		253,929	219,300
<b>CURRENT LIABILITIES</b>			
Creditors	10	165,513	103,644
		<hr/>	<hr/>
<b>NET CURRENT ASSETS</b>		88,416	115,656
		<hr/>	<hr/>
<b>TOTAL ASSETS</b>	11	512,211	521,924
		<hr/> <hr/>	<hr/> <hr/>
Financed by:			
<b>ACCUMULATED FUNDS</b>			
Unrestricted	11	275,664	292,976
Designated Funds	12	236,547	228,948
		<hr/>	<hr/>
		512,211	521,924
		<hr/> <hr/>	<hr/> <hr/>

The notes on page 13 to 17 form part of these financial statements.

Approved by the committee on 23rd June 2021 and signed on its behalf by:

Kelvin Higgins  
Chair

Yvonne Ainsworth  
Honorary Treasurer



## THE BRITISH GEOTECHNICAL ASSOCIATION

### Notes to the financial statements for the year ended 31 December 2020

#### 1 Responsibilities of the Committee

financial position of the Association and for taking reasonable steps for the prevention and detection of fraud and other irregularities.

In preparing the financial statements the Committee are required to :

- a) select suitable accounting policies and then apply them consistently
- b) make judgements and estimates that are reasonable and prudent
- c) prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Association will continue to operate.

#### 2 Accounting Policies

The financial statements have been prepared in accordance with the Financial Reporting Standard 102 (effective January 2019) (FRS 102), the Companies Act 2006 and the requirements of the Statement of Recommended Practice (SORP) applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019) (Charities SORP FRS 102).

The British Geotechnical Association meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

There are no material uncertainties about the charity's ability to continue, and so the going concern basis of accounting has been adopted.

#### Income

All subscriptions and investment income is accounted for when received, except in the case of subscriptions which are specifically stated to be in respect of an ensuing accounting period. No credit is taken for subscriptions unpaid at the balance sheet date.

Donation income is accounted for when the Association has entitlement to the income, the income is probable and can be measured reliably.

#### Expenditure

Expenditure is recognised when there is a legal or constructive obligation to transfer resources to a third party, settlement is probable and the amount can be measured reliably. Expenditure is included within the Statement of Financial Activities on an

#### Fund Accounting

Unrestricted funds can be used in accordance with the charitable objectives of the Society, at the discretion of the Trustees. Restricted funds can only be used for the particular restricted purposes within the objectives of the Society.

The association has the following designated funds:

##### *Rankine Fund*

The Rankine Fund has been consolidated into the British Geotechnical Association accounts.

##### *BGA Fund*

The BGA Fund has been consolidated into the British Geotechnical Association accounts.

#### Investments

Investments are shown at market value. Unrealised gains are incorporated within the fund balances to which the investments relate and are identified as unrealised. Cash held as part of the investments portfolio is included in investments.

#### Taxation

The charity is exempt from taxation on its charitable activities.

THE BRITISH GEOTECHNICAL ASSOCIATION



Notes to the financial statements for the year ended 31 December 2020

3. Charitable activities

	2020		2019	
	£	£	£	£
<i>Members subscriptions</i>				
United Kingdom	91,238		90,147	
Europe	6,682		6,823	
Africa	349		570	
Asia	3,787		4,469	
Australasia	3,864		3,708	
North America	1,723		1,690	
South America	670		480	
		108,313		107,887

4. Other trading activities

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner	-	-	-	-
Annual Conference	-	-	-	-
Chalk Conference	-	-	-	-
Early Career Group	300	-	-	300
Other Function Income	1,025	-	-	1,025
Book sales and royalties	352	-	-	352
	1,677	-	-	1,677

5. Investment Income

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Investment Income	2,600	3,714	12	6,326

6. Raising funds

	General	Rankine Fund (Designated)	BGA Fund (Designated)	Total
	£	£	£	£
Rankine Dinner	-	-	-	-
Rankine Lecture	- 0	-	-	-
Annual Conference	-	-	-	-
Chalk Conference	-	-	-	-
Piling Conference	11,538	-	-	11,538
Early Career Group	100	-	-	100
Investment Management Fee	1,100	1,649	-	2,749
	12,738	1,649	-	14,387



THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2020

<b>7. Charitable activities</b>	<b>2020</b>	<b>2019</b>
	<b>£</b>	<b>£</b>
Subscriptions to other bodies	15,201	15,842
Awards & prizes	3,948	12,048
Administration	11,573	9,257
Honoraria	11,700	10,672
Website	7,272	-
Postage	47	34
Printing, stationery and photocopying	2,207	2,248
Meeting expenses	2,312	3,889
Publication - Ground Engineering	66,522	62,684
YGEC travel	-	1,622
Touring Lecture	-	858
Other expenses	3,542	1,120
Reviewer Fee	1,122	1,110
Cost of trustees meeting	209	949
Bank charges	72	97
	<u>125,727</u>	<u>122,430</u>
<b>8. Investments - Rankine fund</b>	<b>2020</b>	<b>2019</b>
	<b>£</b>	<b>£</b>
Market value at 1 January 2020	396,704	320,065
Disposals at market value	(225,677)	(168,965)
Acquisitions at cost	233,044	196,032
Net gain on revaluation	14,085	49,572
	<u>418,156</u>	<u>396,704</u>
Listed investments at market value at 31 December 2020	418,156	396,704
Cash on deposit awaiting investment	5,639	9,564
	<u>423,795</u>	<u>406,268</u>
<b>9. Debtors</b>	<b>2020</b>	<b>2019</b>
	<b>£</b>	<b>£</b>
Other Debtors (Prepayments)	6,241	10,399
Amount due from ICE	16,110	16,428
	<u>22,351</u>	<u>26,827</u>



THE BRITISH GEOTECHNICAL ASSOCIATION

Notes to the financial statements for the year ended 31 December 2020

10. Creditors	2020 £	2019 £
Creditors and accruals	75,281	73,500
Subscriptions and other receipts in advance	90,232	30,144
	165,513	103,644

Funds held on behalf of FMGM amount to £5,143 at year end.

11. Analysis of net assets between funds	Unrestricted Funds £	Designated Funds £	Total Funds £
<b>Fund balances at 31 December 2020 represented by:</b>			
Investments	169,518	254,277	423,795
Current assets	240,747	13,182	253,929
Current liabilities falling due within one year	(165,513)	-	(165,513)
Transfer between funds	30,912	(30,912)	-
	275,664	236,547	512,211

**Fund balances at 31 December 2019 represented by:**

Investments	162,507	243,761	406,268
Current assets	203,201	16,099	219,300
Current liabilities falling due within one year	(103,644)	-	(103,644)
Transfer between funds	30,912	(30,912)	-
	292,976	228,948	521,924

12. Designated fund analysis	Rankine Fund £	BGA Fund £	Total £
Balance brought forward at 1 January 2020	212,849	16,099	228,948
Dividends and interest received	3,714	12	3,726
Donations	-	-	-
Designated expenditure	-	(2,929)	(2,929)
Investment Management fees	(1,649)	-	(1,649)
Gain on investment assets	8,451	-	8,451
	223,365	13,182	236,547



**THE BRITISH GEOTECHNICAL ASSOCIATION**

**Notes to the financial statements for the year ended 31 December 2020**

**13. Trustee expenses**

Expenses reimbursed to one Trustee, relating to Cooling Prize 2020

	<b>2020</b>	<b>2019</b>
	<b>£</b>	<b>£</b>
	218	1,486
	<u>218</u>	<u>1,486</u>
	<b>No.</b>	<b>No.</b>
Number of Trustees	<u>1</u>	<u>6</u>

**14. Honorary Officers**

During the year, the Association's Honorary Officers received honoraria amounting to the following

	<b>2020</b>	<b>2019</b>
	<b>£</b>	<b>£</b>
Nick Armstrong - Honorary Secretary	6,000	6,000
Yvonne Ainsworth - Honorary Treasurer	3,600	3,600
Martin Preene - Honorary Publicity Officer	2,100	1,050
	<u>11,700</u>	<u>10,650</u>

**15. Staff**

The Association does not employ staff directly.