

Geoscience for Global Development

England & Wales · Charity number 1165663

Details

Other names	GEOLOGY FOR GLOBAL DEVELOPMENT, GFGD
Status	Registered
Legal form	CIO
Registered	2016-02-22
Register	View on the Charity Commission register

Contact

Address
GfGD (c/o Dr Joel C. Gill)
Earth and Environmental Sciences
Cardiff University
Main Building
Park Place
CF10 3AT

Phone 02922514510

Email info@gfgd.org

Website www.gfgd.org

Activities

Objects: GEOLOGY FOR GLOBAL DEVELOPMENT PROVIDES PUBLIC BENEFIT (NATIONALLY AND INTERNATIONALLY) THROUGH THE FOLLOWING OBJECTS.(I) THE ADVANCEMENT OF THE EDUCATION OF THE PUBLIC IN GENERAL, AND PARTICULARLY AMONGST GEOLOGISTS, IN SUBJECTS RELATING TO GEOLOGY AND SUSTAINABLE DEVELOPMENT*, IN ANY PART OF THE WORLD. THIS WILL BE DONE (IN PARTICULAR BUT NOT EXCLUSIVELY) BY MEANS OF RELEVANT COMMUNICATIONS, EDUCATIONAL MATERIAL, TRAINING COURSES, PLACEMENT OPPORTUNITIES, AND BY PROMOTING RESEARCH IN ALL ASPECTS OF THAT SUBJECT AND PUBLISHING THE USEFUL RESULTS.(II) THE PREVENTION OR RELIEF OF POVERTY, IN ANY PART OF THE WORLD, BY PROVIDING GRANTS, EQUIPMENT AND SERVICES (IN PARTICULAR BUT NOT EXCLUSIVELY EDUCATION AND TRAINING IN GEOLOGY) TO INDIVIDUALS IN NEED, OTHER CHARITABLE ORGANISATIONS, AND/OR OTHER ORGANISATIONS WORKING TO PREVENT OR RELIEVE POVERTY.*(SUSTAINABLE DEVELOPMENT MEANS 'DEVELOPMENT WHICH MEETS THE NEEDS OF THE PRESENT WITHOUT COMPROMISING THE ABILITY OF FUTURE GENERATIONS TO MEET THEIR OWN NEEDS.')

Activities: GfGD exists to champion the role of geology in sustainable development, mobilising and reshaping the geology community to help deliver the UN Sustainable Development Goals (2015/2030). We do this through (i) education and training (e.g., workshops, seminars, university outreach, publications, conferences), (ii) practical development projects (e.g., capacity building, providing technical advice).

Classification

- **How:** Makes Grants To Individuals, Makes Grants To Organisations, Provides Human Resources, Provides Services, Provides Advocacy/advice/information, Sponsors Or Undertakes Research
- **What:** Education/training, The Prevention Or Relief Of Poverty, Overseas Aid/famine Relief
- **Who:** Other Defined Groups, The General Public/mankind

Geography

- Guatemala
- Ireland
- Mexico
- Northern Ireland
- Scotland
- Tanzania
- United States
- Throughout England And Wales

Finances

Period end	Income	Expenditure	Assets	Employees
2024-12-31	£7,709	£2,363	-	-
2023-12-31	£3,541	£4,136	-	-
2022-12-31	£4,290	£3,723	-	-
2021-12-31	£10,522	£11,994	-	-
2020-12-31	£8,590	£3,804	-	-

Trustees

Name	Role	Appointed
NIC BILHAM	Chair	2016-02-22
Dr Natasha Joanne Dowey		2020-04-21
Dr SARAH HELEN GORDON		2020-04-21
Florence Bullough		2019-04-16
Kirsty Dawkes		2019-04-16
Marie Fleming		2019-04-16

Geoscience for Global Development

England & Wales - Charity number 1165663

Accounts



**Geology
for
Global
Development**

Annual Report and Review 2024



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



Geology for Global Development Supports the Sustainable Development Goals

Registered Charity
Number: 1165663

-- Report and Financial Statements 2024 --

Geology for Global Development

C/O Dr Joel C. Gill, School of Earth and Environmental Science, Cardiff University, Main Building, Park Place, Cardiff, CF10 3AT

Registered Charity: 1165663

Trustees (during reporting period):

Nicholas Bilham (Chair)

Kirsty Dawkes

Florence Bullough

Marie Fleming

Sarah Gordon PhD

Natasha Dowey PhD

Overview

Geology for Global Development (GfGD) is a registered charity (England and Wales) working internationally to mobilise and reshape the geoscience community to help deliver sustainable and resilient communities, as expressed in the UN Sustainable Development Goals (SDGs). Geoscience is critical to eradicating poverty, reducing inequality, ensuring environmental sustainability, and securing universal and fair access to natural resources (e.g., water), food, energy, education, and healthcare. Geoscience underpins the work needed to ensure current and future generations are resilient to natural hazards, have access to sustainable and planned urban environments, and respond decisively to global environmental change. Many of these themes are captured within the SDGs (and associated intergovernmental agreements), aiming to transform societies globally, leaving no one behind.

2024 marked the second full year of our strategy implementation period and was significant for us in deepening the partnerships required to address the lack of progress being made on many SDG targets. We were delighted to work closely with GESINA Initiative for Geoscience Sustainability working across West Africa to improve understanding of how geoscientists can deliver meaningful change. We joined a Global Policy Task Team, meeting regularly with representatives from other international geoscience organisations to strengthen the science policy interface. We joined with the International Union of Geological Science's Commission on Geoscience Education to explore how teaching on natural hazards could be strengthened; public understanding of geoscience topics supports both informed action and holding those in authority to account. Partnerships are central to the Sustainable Development Goals, and we are committed to working with those who share our values and have aligned priorities.

Through 2024 we used the resources available to us to deliver the priorities set out in our strategy aiming to transform understanding of, access to, and capacity to use the geoscience required to implement the SDGs. We advanced research on topics including water management, climate action, and disaster risk reduction. We contributed to intergovernmental forums, reflecting on the critical role that geoscientists can make to sustainability goals. We supported training – through webinars and an open-access course – that benefit the global geoscience community and strengthen their ability to deliver a sustainable and resilient future.

Our work through 2024 was made possible through the contributions of volunteers, input from consultants, the generous support of donors, and valued collaborations with partners. We are particularly grateful to the International Union of Geological Sciences and Geolog for supporting our activities.

Here we set out our charitable objectives (**Section A**) and a summary of the strategy agreed in 2022 to help implement these objectives (**Section B**). We proceed to give a report on activities (**Section C**), a summary of our governance and management (**Section D**) and an overview of our finances in 2024 (**Section E**). We explain our progress towards improving Equality, Diversity and Inclusion in our work (**Section F**). We then look to the future, with details of events and opportunities in 2025 (**Section G**), and ways you can stay informed about our work (**Section H**).

From Our Trustees

The trustees of GfGD have the privilege of hearing throughout the year about the fantastic work done by our talented and committed team of volunteers, project workers, and partners. We are delighted to be able to share just some of this work with you in this report, and hope you will want to explore further through the ever-growing set of resources on our website (www.gfgd.org) and elsewhere, and support and engage with our activities. The trustees continue to be inspired and impressed by the quality and range of outputs and impacts our team are able to achieve with modest resources. The time and energy of all those involved, while not reflected in our financial statements, is our most precious resource, and we are immensely grateful.

The trustees' own responsibilities primarily concern setting the strategic direction of the organisation, and ensuring its good governance. We continue to make good progress in delivering our 10-year strategy, and 2024 also saw a strengthening of our risk management processes, increasingly effectively linked to strategy delivery. A particular focus was to continue strengthening the make-up and structure of our team. As anticipated in our annual report for 2023, Viki O'Connor was appointed co-CEO at the start of 2024, alongside Joel Gill (formerly Executive Director) who also became a co-CEO. Viki and Joel's ability to work in partnership, focusing on their respective areas of responsibility while working seamlessly together, has made this potentially disruptive transition a very smooth and effective one. With the new Senior Leadership Team structure fully established – our co-CEOs, together with Paul Hubley (People and Policies Coordinator) and Jesse Zondervan (Communications Lead) – a priority in 2024 was to expand our team of volunteers, strengthening our research, policy engagement, partnership building and communications capacity. We are delighted to have appointed some very talented and experienced people to key roles, and they are already having a really positive impact.

As 2024 came to a close, we started the search for new trustees to help steer GfGD and ensure its effectiveness and good governance in the coming years, in part to fill the shoes of Kirsty Dawkes, who steps down in 2025 after six years as a trustee. This annual report is the last to which I will contribute as chair of trustees, as I will hand over this role during 2025, before stepping down as a trustee in 2026. It has been a great pleasure and privilege to be a trustee ever since GfGD was established as a charity in 2016, and in recent years to chair the board. In this time, GfGD has rapidly evolved, providing leadership in the geoscience community's participation in UN events and processes, helping to establish sustainable development and social justice as core concerns for the global geoscience community, and becoming a trusted and respected provider of high-quality information and education at the geoscience-development interface. We are an increasingly global organisation, in terms of both our work and those who contribute to it, as well as a valued partner to a growing range of other organisations, helping to promulgate our values and objectives through dialogue and collaboration. I am excited for the future of GfGD, and look forward to seeing all it will achieve in the coming years.

Nic Bilham
Chair of Trustees

A. Charitable Objectives

Geology for Global Development, established in 2011, is a registered charity working to mobilise and equip the geology community to prevent and relieve poverty. As stated in our Governing Constitution, Geology for Global Development provides public benefit (nationally and internationally) through the following charitable objectives:

- i. **Educational advancement** of the public in general, and particularly amongst geologists, in subjects relating to geology and sustainable development (defined below), in any part of the world. This will be done (in particular, but not exclusively) by means of relevant communications, educational material, training courses, placement opportunities, and by promoting research in all aspects of that subject and publishing the useful results.
- ii. **Poverty prevention and relief**, in any part of the world, by providing grants, equipment and services (in particular but not exclusively education and training in geology) to individuals in need, other charitable organisations, and/or other organisations working to prevent or relieve poverty.

In this context, we note sustainable development to mean '*development which meets the needs of the present without compromising the ability of future generations to meet their own needs*' as defined in the Brundtland Report (1987).

In meeting these objectives, we provide public benefit through advancing education, at all levels, of the role of geology in supporting sustainable development, as well as using geological science to prevent and relieve poverty. In setting our aims for the year and preparing this review, the trustees have given due regard to the Charity Commission guidance on public benefit.

B. Strategy

In 2015, global leaders came together at the United Nations to agree an agenda for change. Driven by an ambitious vision of a '*world free of poverty, hunger, disease and want, where all life can thrive*', the 2030 Agenda for Sustainable Development set out 17 Sustainable Development Goals (SDGs), with 169 targets.

At Geology for Global Development, we share this vision. **Our purpose is to help build a sustainable future for all by transforming understanding of, access to, and capacity to use the geoscience required to implement the SDGs.**

The SDGs are science intensive - requiring research, innovation, capacity strengthening, and technology transfer. They also make clear the need to understand, monitor, protect, manage, and restore the natural environment. Geoscientists are therefore essential to their successful delivery. This role, however, is often insufficiently recognised by the geoscience community itself and many others contributing to sustainable development initiatives. Barriers prevent access to geoscience data and expertise that could support decision making. Inequalities within the

geoscience community hold us back from making a full and rich contribution in sustainability contexts.

Recognising the need to address these challenges, and with a focus on '*leaving no one behind*', four interlinked strategic priorities are shaping our activities from 2022 to 2031:

1. **Shape and advance the geoscience research and communication agenda for sustainable development:** Generating, and catalysing others to generate, knowledge, tools, and techniques that address global challenges in an ethical¹, pro-poor², and integrated³ manner.
2. **Understand and address the barriers that prevent geoscience being used effectively in sustainable development:** Identifying and bridging gaps between knowledge, policy, and practice to improve the planning and implementation of sustainable development initiatives.
3. **Empower the global geoscience community to contribute to sustainable development:** Building an equitable and connected global geoscience community, that is inspired and equipped to serve society.
4. **Create an organisation that models the values embedded in the Sustainable Development Goals:** Investing in people and processes to ensure a culture where all members of our team can thrive, our work can be appropriately scrutinised, and financial and environmental sustainability can be realised.

We will achieve the above priorities by delivering high quality research and analysis, actively engaging in policy processes, and strengthening capacity through education and training.

Our Geographical Focus

Working on these four interlinked priorities, we embrace the 'leave no one behind' ethos running through the 2030 Agenda. With an emphasis on respectful partnerships (as characterised in the next section), we will use our resources, expertise, networks and influence to address development priorities of those countries who are furthest behind. We define this by the internationally recognised standard of eligibility to receive Official Development Assistance (according to the OECD Development Assistance Committee list of ODA recipients⁴).

We recognise that the actions of individuals, organisations and nations outside of these countries can affect their ability to achieve a sustainable future. Our work will therefore involve some activities with a broader geography, with these focusing on securing positive impact in countries eligible to receive Official Development Assistance.

¹ Adhering to well-established principles regarding ethical conduct in research (as described in the [UKRI ESRC Framework for Research Ethics](#)), in the practice of geoscience (as described in the [Cape Town Statement on Geoethics](#)), and in international development (as described in the [Global Code of Conduct for Research In Resource-Poor Settings](#)).

² A commitment to the 'leave no one behind' ethos of the SDGs, aiming to reduce poverty and support knowledge creation and impacts that are of particular, although not exclusive, benefit to those who are furthest behind.

³ Working with other disciplines, as appropriate, and ensuring sufficient regard is given to any potential unintended consequences of our work.

⁴ www.oecd.org/dac/financing-sustainable-development/development-finance-standards/daclist.htm

Our Values and Commitments

The values below define our approach to all aspects of our work:

Integrity: We will align our conduct with what we know to be excellent.

Respect: We will ensure the defining characteristic of our communications (internal and external) is compassion.

Boldness: We are driven by an ambitious vision and will innovate to realise it.

Collaboration: We will cultivate relationships to deliver impact that leaves no one behind.

Humility: We have much to learn and will take steps to listen and grow.

As an organisation headquartered in the Global North, we recognise our responsibility to ensure that our activities do not propagate existing injustices or create new ones. We commit to:

- Building safe, respectful, and inclusive partnerships.
- Involving diverse stakeholders at all stages of a project lifecycle.
- Listening to stakeholders, to understand their challenges and development priorities.
- Understanding context and using this to inform project design and means of implementation.
- Monitoring our work, identifying any problems, taking mitigative steps where possible, and capturing learning to inform our work and that of others.
- Amplifying the voices of those living in and from the regions we seek to serve, providing a platform by which their perspectives, ideas and expertise can be shared, celebrated, and used.

C. Activities in 2024

In seeking to fulfil our objectives and provide broad public benefit, we have undertaken the following charitable activities, expressed through the first three of our strategic priorities. Information relating to the fourth strategic priority (create an organisation that models the values embedded in the Sustainable Development Goals) is embedded throughout this report.

1. Shape and advance the geoscience research and communication agenda for sustainable development:

- **Presentations and talks on geoscience for sustainable development.** Representatives of *Geology for Global Development* attended, presented at, and supported many events and institutions throughout the year. Highlights include engaging at the European Geoscience Union's General Assembly (<https://meetingorganizer.copernicus.org/EGU24/EGU24-16003.html>) and delivering a webinar for the geoscience community in West Africa, working with GESINA Initiative for Geoscience Sustainability.

- **Global Policy Task Group.** We joined the Global Policy Task Group, convened by the American Geophysical Union, working with a group of international geoscience unions and professional societies to increase representation of the geoscience community in international policy processes.

2. Understand and address the barriers that prevent geoscience being used effectively in sustainable development:

- **Engagement with United Nations' processes.** We ensured geoscience engagement in several important consultation processes led by the United Nations, including submitting a written statement in advance of the High-Level Political Forum on Sustainable Development. We responded to a request by the International Science Council for case studies and comments, and commenced planning for engagement at the 2025 Global Platform for Disaster Risk Reduction.
- **Disaster risk management in Guatemala.** We published research to characterise the professional geohazards community in Guatemala and explore training and development opportunities and gaps for natural hazard scientists working in the region (led by Dr Ailsa Naismith, University of Bristol). This work (to be translated into Spanish soon) is accessible online (www.doi.org/10.13140/RG.2.2.24757.04322) and will guide our future engagement in the region.
- **Ongoing research:** We continued work on core themes including water management in sub-Saharan Africa, enhancing the ambition and technical feasibility of Nationally Determined Contributions to greenhouse gas emission reductions, education for sustainable development, and strengthening the science-policy interface to deliver sustainability objectives.

3. Empower the global geoscience community to contribute to sustainable development:

- **Training of trainers (natural hazards).** We facilitated a webinar on 'natural hazards education' for an international community of educators, gathering international speakers and providing follow up resources.
- **Open Access Course (disaster risk reduction).** We developed and launched a free, online course exploring how natural hazard scientists can better contribute to the planning and development of sustainable and resilient communities through improved engagement in disaster risk reduction (<https://www.open.edu/openlearncreate/course/view.php?id=7993>).
- **Higher Education courses in eastern and southern Africa.** We continued to maintain an open-access database of taught geoscience Higher Education courses in eastern and southern Africa (available at this link www.gfgd.org/database-geoscience-he-africa). The database includes short courses, certificates, diplomas, bachelor's degrees, and master's degree programmes, and records course module details, course durations, and entry requirements.

- **Online resource hub and dissemination.** We continued to disseminate our suite of resources on geosciences and the SDGs, including learning resources (available open-access at www.gfgd.org/education) and a book (available at <https://link.springer.com/book/10.1007/978-3-030-38815-7>), to help integrate sustainability concepts and skills into geoscience education. We continued to add new resources to our website, acting as an information hub for those wanting to learn more about geoscience and sustainable development.

In 2024, we partnered with a variety of organisations to deliver the activities above and advance our charitable objectives. We are an affiliated organisation of the **International Union of Geological Sciences (IUGS)** and, in 2024, received a grant of £2,363 from them to support our work. We are a member of the **Bond** network of international development NGOs. We continued our collaboration with **GESINA International**, a dynamic initiative dedicated to cultivating Earth science interest in Nigeria and across Africa. We strengthened our engagement with international geoscience groups including the American Geophysical Union, the European Geosciences Union, the Geological Society of London, and the International Union of Geodesy and Geophysics.

Summary

These activities demonstrate the positive impact of *Geology for Global Development*, with respect to our two primary charitable objectives.

- **Educational Advancement.** Many of our activities promoted the role of geology in sustainable development to diverse audiences both in the UK and overseas. Our engagement with the geological science and sustainable development communities (through conferences, online consultations, engagement in universities, and publication of resources) has helped to increase awareness of how geoscientists can make a positive contribution to sustainable development. We advanced research relating to challenges affecting communities in Africa and Central America, with projects providing learning and development opportunities for students and early-career scientists. Our social media content and publications helped to raise public awareness of why geological science matters when implementing sustainable development activities. Our work helps to train geologists to better serve the public, by improving professional practices (e.g., partnership and capacity building, ethics and integrity) relating to the application of geology to sustainable development.
- **Poverty Prevention and Relief.** We engaged in programmes aiming to enhance education for sustainable development and responsible management of natural resources. Work on improving water provision and resilience to environmental shocks (e.g., volcanic eruptions) was advanced. Our activities help to prevent and relieve poverty by connecting a more socially-aware geoscience community engaged in sustainable development activities with partners including NGOs and government agencies.

D. Governance and Management

Board of Trustees: Trustees have been appointed to oversee and guide our work, in accordance with our Governing Document (based on the Charity Commission's 'Foundation' model constitution for a Charitable Incorporated Organisation whose only voting members are its charity trustees).



Nic Bilham (Chair of Trustees)

Nic is a consultant working on sustainable mineral supply chains and responsible sourcing of raw materials.



Kirsty Dawkes

Kirsty has an MSci in Geological Sciences and is a Chartered Geologist through the *Geological Society of London*. She currently works in the energy sector, with international engagement.



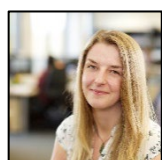
Marie Fleming

Marie is an Engineering Geologist at *Arup*, based in Ireland. She is a former president of the *Institute of Geologists of Ireland*.



Flo Bullough

Flo has an MSci in Geology from *Imperial College London* and a background in geochemistry research, contaminated land and groundwater. She has expertise in policy, currently working for the *Royal Academy of Engineering*.



Natasha Dowey

Natasha lectures in physical geography at *Sheffield Hallam University*, with specialisms in hazards, volcanoes, and igneous geology.

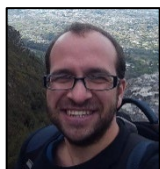


Sarah Gordon

Sarah is a geologist and a co-founder of the risk management company, *Satarla*. She has previously worked for *Anglo American*, working around the world, and has a PhD in the chemistry of meteorites.

Team: Day-to-day responsibility for the running of the charity is delegated to two co-Chief Executive Officers (co-CEOs) of *Geology for Global Development*, working alongside a Senior Leadership Team and a wider team of volunteers. In 2024, we expanded our team with new recruits based in the UK, Kenya, and Canada helping to strengthen our research, policy, partnerships, and communications activities.

Information about the Senior Leadership Team in 2024 is noted below, with full and up-to-date team information available on our website (www.gfgd.org/our-team).



Joel Gill (Co-CEO)

Joel is responsible for GfGD's research, policy engagement, and impact delivery, working with Viki O'Connor to build and strengthen the partnerships required to implement our strategy.



Viki O'Connor (Co-CEO)

Viki is responsible for key aspects of GfGD's charity governance, financial and operational compliance, along with the longer-term diversification of GfGD's income sources.



Paul Hubley (People and Policies Coordinator)

Paul ensures that the relevant processes and procedures are in place to ensure appropriate governance for GfGD and oversees volunteer training.



Jesse Zondervan (Communications Lead)

Jesse oversees the delivery and monitoring of our external communications through our various channels.

E. Financial Overview

The accounts below document financial activity (income and expenditure) that occurred in 2024 and 2023. The Statement of Financial Activities is calculated on a cash basis. The Balance Sheet shows total funds including non-cash assets and liabilities. For full details of activity in 2016 to 2023, please refer to previous GfGD Annual Reports (www.gfgd.org/annual-reports).

Key observations include:

- **Unrestricted Income.** £7,709 is labelled as unrestricted income and can be used to support the full portfolio of our work. This income was raised through grants and personal donations. We are particularly grateful to the International Union of Geological Sciences (IUGS) and Geolog for their support in the form of grants for £2,363 and £5,000 respectively.
- **Restricted Income.** No restricted income was received in 2024.
- **Expenditure from Unrestricted Income.** £2,363 is labelled as expenditure drawing on funds from unrestricted income. This was used exclusively to support our charitable activities (described in detail in **Section C**).
- **Expenditure from Restricted Income.** No expenditure from Restricted Income occurred during 2024.

In 2024, the net movement in *unrestricted* funds (excluding the non-cash assets and liabilities shown on the Balance Sheet) was therefore £5,346. The total net movement in cash funds (including both *unrestricted* and *restricted* funds) was £5,346.

Our Charity Reserves Policy, updated in 2022, sets an ambition to ensure free reserves of six to nine months operational costs (or 50 to 75%). Based on budgeted expenditure of £10,201 in 2025, this equates to £5,101 to £7,651. At the end of 2024, based on our balance sheet, our free reserves stood at £14,271, exceeding our free reserves target. For 2025 we have budgeted approximately £5,000 more expenditure than income, as part of our plans to scale up our work following the recent leadership changes; this will reduce the free reserves during 2025, however we are still projected to be above the six-to-nine-month target. The level of reserves held by the organisation will be monitored carefully by the Trustees and Senior Leadership Team.

Many of our activities were delivered through the dedication of a team of volunteers, representing significant in-kind support not shown in our financial statements. We are very grateful to all those who gave their time in 2024 to help realise our charitable objectives.

GfGD Statement Of Financial Activities (as at 31 December 2024)

	Unrestricted Funds (£)	Restricted Funds (£)	Total 2024 (£)	Total 2023 (£)
Income and endowments from:				
Donations and legacies	7,709	--	7,709	3,541
Activities for Generating Funds (Fundraising Events)	--	--	--	--
Charitable activities	--	--	--	--
Other trading activities	--	--	--	--
Investment income	--	--	--	--
Total Income	7,709	--	7,709	3,541
Expenditure on:				
Costs of Generating Voluntary Receipts	--	--	--	--
Raising funds	--	--	--	--
Investment Management Costs	--	--	--	--
Charitable activities	(2,363)	--	(2,363)	(4,136)
Governance Costs	--	--	--	--
Total Expenditure	(2,363)	--	(2,363)	(4,136)
Surplus/(Deficit) of income over expenditure	5,346	--	5,346	(595)
Net gains/(losses) on investments	--	--	--	--
Net income/(expenditure)	5,346	--	5,346	(595)
Transfers between funds	--	--	--	--
Net movement in funds	5,346	--	5,346	(595)
Reconciliation of funds	8,925	200	9,125	9,720
Total funds brought forward				
Total funds carried forward	14,271	200	14,471	9,125

Balance Sheet (as at 31 December 2023)

	2024 (£)	2023 (£)
Fixed Assets		
Tangible Assets	--	--
Investments	--	--
Total Fixed Assets	--	--
Current Assets		
Debtors: Due in one year	--	--
Debtors: Due after one year	--	--
Cash at Bank and in hand	14,471	9,125
Total Current Assets	14,471	9,125
Current Liabilities		
Creditors due within one year	--	--
Net current assets	14,471	9,125
Total assets less current liabilities	14,471	9,125
Funds		
Unrestricted Funds	14,271	8,925
Restricted Funds ¹	200	200
Total Funds	14,471	9,125

Cash Flow Statement (as at 31 December 2023)

	2024 (£)	2023 (£)
Cash flows from operating activities:		
Net cash provided by operating activities	5,346	(595)
Cash flows from investing activities:		
Net cash provided by investing activities	--	--
Cash flows from financing activities:		
Net cash provided by financing activities	--	--
Change in cash and cash equivalents in the reporting period	5,346	(595)
Cash and cash equivalents at the beginning of the reporting period	9,125	9,720
Change in cash and cash equivalents due to exchange rate movements	--	--
Cash and cash equivalents at the end of the reporting period	14,471	9,125

¹ Money raised for a project building resilience to volcanic hazards in Guatemala.

F. Equality, Diversity, and Inclusion (EDI)

In our 2020 annual report, we recognised the need to listen, learn, and implement change where needed to help deliver a more diverse and inclusive geoscience community. Being accountable to both our supporters and beneficiaries, we note below some of our work on EDI in 2024:

- *Safeguarding in International Development Contexts:* We continued to mandate all new recruits complete safeguarding training, supporting the team to identify and know how to report all forms of harm, exploitation, and abuse.
- *Improving Volunteer Coordination:* We expanded our team, increasing geographic diversity in our programme leadership. We continued to monitor internal processes for volunteer recruitment and coordination, to ensure that all team members have the opportunity to contribute to our projects.
- *Online Engagement:* Following a successful run of annual face-to-face conferences in 2013-19, we made the decision to focus resources on online webinars (for GfGD coordinated events) to maximise accessibility. This also reduces the environmental footprint of our work. Our events for geoscientists predominantly reached students and early career professionals in the Global South, with speakers and moderators from a range of national contexts.

Our work to improve monitoring of EDI within GfGD, taking actions where needed, and support the wider geoscience community to be a more equal, diverse and inclusive environment, continues through 2025.

G. Looking to the Future

In 2025, we will continue to deliver high quality and impact-driven research, engage in international policy mechanisms, and support education and capacity strengthening at all levels. Selected examples of planned work include:

- Leveraging our official recognised status with the UN ECOSOC to contribute to major UN forums, including the Global Platform for Disaster Risk Reduction (June 2025), the High-Level Political Forum for Sustainable Development (July 2025), and COP30 (November 2025).
- Consolidating, extending, and disseminating GfGD-led work on research themes, including (a) strengthening the science-policy interface, (b) improving geoscience education in the Global South, (c) improving access to water in Africa, and (d) tackling climate change.
- Delivering training at the Colloquium of African Geology (Nairobi, September 2025).

- Strengthening partnerships with geoscience institutions in the Global South, particularly GESINA International who have a strong presence in West Africa.
- Develop and disseminate training and learning resources, supporting the wider geoscience community to engage effectively in sustainable development.

Updates on these activities will be detailed in our 2025 Annual Report (published in 2026), with live updates regularly posted on our website and social media.

H. Further Information

Find the latest GfGD news, events and opportunities to get involved on our website (www.gfgd.org), Facebook (www.facebook.com/gfgd.org), LinkedIn (www.linkedin.com/company/gfgd), and X (formerly known as Twitter) (www.twitter.com/Geo_Dev).

Download this Annual Report and Review from our website (www.gfgd.org/annual-reports).



CHARITY COMMISSION
FOR ENGLAND AND WALES

Geology for Global Development

1165663

Receipts and payments accounts

CC16a

For the period
from

01-Jan-24

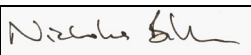
To

31-Dec-24

Section A Receipts and payments

	Unrestricted funds to the nearest £	Restricted funds to the nearest £	Endowment funds to the nearest £	Total funds to the nearest £	Last year to the nearest £
A1 Receipts					
Voluntary Receipts (Donations, Legacies and Grants)	7,709	-	-	7,709	3,541
Investment Dividends/Interest	-	-	-	-	-
Activities for Generating Funds (Fundraising Events)	-	-	-	-	-
Charitable Activities	-	-	-	-	-
Other receipts	-	-	-	-	-
Sub total (Gross income for AR)	7,709	-	-	7,709	3,541
A2 Asset and investment sales, (see table).					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total receipts	7,709	-	-	7,709	3,541
A3 Payments					
Costs of Generating Voluntary Receipts	-	-	-	-	-
Fundraising Costs	-	-	-	-	-
Investment Management Costs	-	-	-	-	-
Costs of Charitable Activities	2,363	-	-	2,363	4,136
Governance Costs	-	-	-	-	-
Sub total	2,363	-	-	2,363	4,136
A4 Asset and investment purchases, (see table)					
	-	-	-	-	-
Sub total	-	-	-	-	-
Total payments	2,363	-	-	2,363	4,136
Net of receipts/(payments)	5,346	-	-	5,346	- 595
A5 Transfers between funds	-	-	-	-	-
A6 Cash funds last year end	8,925	200	-	9,125	9,720
Cash funds this year end	14,271	200	-	14,471	9,125

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
B1 Cash funds	Cash at Bank	14,271	200	-
		-	-	-
		-	-	-
	Total cash funds	14,271	200	-
	(agree balances with receipts and payments account(s))	OK	OK	OK
B2 Other monetary assets			-	-
		-	-	-
		-	-	-
B3 Investment assets		Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
B4 Assets retained for the charity's own use		Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
B5 Liabilities		Fund to which liability relates	Amount due (optional)	When due (optional)
			-	
			-	
			-	
Signed by one or two trustees on behalf of all the trustees		Signature	Print Name	Date of approval
			Nic Bilham	22-Jul-25
		N. DOWEY 	Natasha Dowey	22-Jul-25

Geoscience for Global Development

England & Wales - Charity number 1165663

Accounts



**Geology
for
Global
Development**

Annual Report and Review 2023



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



Geology for Global Development Supports the Sustainable Development Goals

Registered Charity
Number: 1165663

-- Report and Financial Statements 2023 --

Geology for Global Development

C/O Dr Joel C. Gill, School of Earth and Environmental Science, Cardiff University, Main Building, Park Place, Cardiff, CF10 3AT

Registered Charity: 1165663

Trustees (during reporting period):

Nicholas Bilham (Chair)

Kirsty Dawkes

Florence Bullough

Marie Fleming

Sarah Gordon PhD

Natasha Dowey PhD

Overview

Geology for Global Development (GfGD) is a registered charity (England and Wales) working to mobilise and reshape the geoscience community to help deliver sustainable and resilient communities, as expressed in the UN Sustainable Development Goals (SDGs). Geoscience is critical to eradicating poverty, reducing inequality, ensuring environmental sustainability, and securing universal and fair access to natural resources (e.g., water), food, energy, education, and healthcare. Geoscience underpins the work needed to ensure current and future generations are resilient to natural hazards, have access to sustainable and planned urban environments, and respond decisively to global environmental change. Many of these themes are captured within the SDGs, aiming to transform societies globally, leaving no one behind.

2023 marked the midway point of the SDG implementation period, with key multilateral events reflecting on progress to date. In our statement, released to coincide with the September 2023 SDG Summit, we noted with grave concern and deep sadness the lack of progress being made on many SDG targets. At this critical point, actions are needed to accelerate progress towards the SDGs and secure development gains made in recent years from the compounding threats of climate change and global insecurity. The SDGs offer a blueprint for a better and more sustainable world; priorities shared by billions of people around the globe.

In this context, we pledge to continue using the resources available to us to advance this agenda. Our new strategy, launched in 2022 and guiding our work through 2023, focuses on transforming understanding of, access to, and capacity to use the geoscience required to implement the SDGs. For example, in 2023 we advanced research on the development of feasible and ambitious national climate actions plans in eastern Africa – with the potential to support high quality jobs while tackling energy poverty. We expanded previous work to understand the barriers that prevent NGOs from using geoscience knowledge to deliver clean water, with new work in West Africa. We engaged in global policy dialogues around science and sustainable development, utilising our special consultative status with the UN Economic and Social Council (UN ECOSOC) to participate and deliver contributions to key events.

Our work through 2023 was made possible through the contributions of volunteers, input from consultants, the generous support of donors, and valued collaborations with partners. We are particularly grateful to the International Union of Geological Sciences for supporting our activities.

Here we set out our charitable objectives (**Section A**) and a summary of the strategy agreed in 2022 to help implement these objectives (**Section B**). We proceed to give a report on activities in 2023 (**Section C**), a summary of our governance and management (**Section D**) and an overview of our finances in 2023 (**Section E**). We explain our progress towards improving Equality, Diversity and Inclusion in our work through 2023 (**Section F**). We then look to the future, with details of events and opportunities in 2024 (**Section G**), and ways you can stay informed about our work (**Section H**).

From Our Trustees

Together with the other trustees of GfGD, I have had the privilege of seeing the wide range of exciting and evolving work done by our fantastic team of volunteers during 2023, making real progress towards delivering our strategic aims, and equipping ourselves and the wider geoscience and sustainable development communities to work effectively together. We are immensely grateful to all those who devote their time and energies to our work, and are always impressed at the outputs and impacts they achieve with modest resources.

This report will give you a flavour of the full range of our work, but I would encourage anyone with an interest in geoscience and sustainable development to explore the rich resources on our website (www.gfgd.org) to learn much more. Building on the work of recent years and the 10-year strategy we launched in 2022, these resources reflect a renewed focus on engagement with international bodies and communities; on stimulating and disseminating much-needed research; and on helping to underpin and promote geoscience education for sustainability.

As you will read below, GfGD continues to provide leadership in the geoscience community's participation in UN events and consultations. Through long-term engagement with key research topics such as water management and disaster risk management, we are maximising the prospects of enduring positive impacts. Development and dissemination of learning and professional development resources has been another area of focus and success once again this year. We are also developing new partnerships such as that with GESINA International (see below), complementing existing ones with bodies such as the International Union for Geological Sciences (IUGS), for whose continuing support we are very grateful.

Perhaps the main priority of the trustees themselves in 2023 was to work with Joel Gill (Executive Director), Viki O'Connor (Business Development and Fundraising Lead) and the wider team to review and strengthen the structure of the Senior Leadership Team, to ensure that it is as resilient as possible to future change and growth, and equipped to lead the organisation's work to deliver our ambitious strategy. This has been a very fruitful process, and one which gives me great confidence for GfGD's future. We are especially grateful to new Senior Leadership Team members Jesse Zondervan (Communications Lead) and Paul Hubley (People and Policies Coordinator) for stepping up to take on additional work and responsibilities during 2023. A key conclusion of the review was to establish two co-CEO roles, which were taken up at the start of 2024 by Joel Gill and Viki O'Connor. The trustees are deeply impressed and grateful as always to Joel for his longstanding and ongoing commitment to and leadership of GfGD, and are delighted that Viki is stepping up to join him in this new shared role, building on the great contributions she has already made since joining the team in 2021.

Nic Bilham
Chair of Trustees

A. Charitable Objectives

Geology for Global Development, established in 2011, is a registered charity working to mobilise and equip the geology community to prevent and relieve poverty. As stated in our Governing Constitution, Geology for Global Development provides public benefit (nationally and internationally) through the following charitable objectives:

- i. **Educational advancement** of the public in general, and particularly amongst geologists, in subjects relating to geology and sustainable development (defined below), in any part of the world. This will be done (in particular, but not exclusively) by means of relevant communications, educational material, training courses, placement opportunities, and by promoting research in all aspects of that subject and publishing the useful results.
- ii. **Poverty prevention and relief**, in any part of the world, by providing grants, equipment and services (in particular but not exclusively education and training in geology) to individuals in need, other charitable organisations, and/or other organisations working to prevent or relieve poverty.

In this context, we note sustainable development to mean '*development which meets the needs of the present without compromising the ability of future generations to meet their own needs*' as defined in the Brundtland Report (1987).

In meeting these objectives, we provide public benefit through advancing education, at all levels, of the role of geology in supporting sustainable development, as well as using geological science to prevent and relieve poverty. In setting our aims for the year and preparing this review, the trustees have given due regard to the Charity Commission guidance on public benefit.

B. Strategy

In 2015, global leaders came together at the United Nations to agree an agenda for change. Driven by an ambitious vision of a '*world free of poverty, hunger, disease and want, where all life can thrive*', the 2030 Agenda for Sustainable Development set out 17 Sustainable Development Goals (SDGs), with 169 targets.

At Geology for Global Development, we share this vision. **Our purpose is to help build a sustainable future for all by transforming understanding of, access to, and capacity to use the geoscience required to implement the SDGs.**

The SDGs are science intensive - requiring research, innovation, capacity strengthening, and technology transfer. They also make clear the need to understand, monitor, protect, manage, and restore the natural environment. Geoscientists are therefore essential to their successful delivery. This role, however, is often insufficiently recognised by the geoscience community itself and many others contributing to sustainable development initiatives. Barriers prevent access to geoscience data and expertise that could support decision making. Inequalities within the

geoscience community hold us back from making a full and rich contribution in sustainability contexts.

Recognising the need to address these challenges, and with a focus on '*leaving no one behind*', four interlinked strategic priorities are shaping our activities from 2022 to 2031:

1. **Shape and advance the geoscience research and communication agenda for sustainable development:** Generating, and catalysing others to generate, knowledge, tools, and techniques that address global challenges in an ethical¹, pro-poor², and integrated³ manner.
2. **Understand and address the barriers that prevent geoscience being used effectively in sustainable development:** Identifying and bridging gaps between knowledge, policy, and practice to improve the planning and implementation of sustainable development initiatives.
3. **Empower the global geoscience community to contribute to sustainable development:** Building an equitable and connected global geoscience community, that is inspired and equipped to serve society.
4. **Create an organisation that models the values embedded in the Sustainable Development Goals:** Investing in people and processes to ensure a culture where all members of our team can thrive, our work can be appropriately scrutinised, and financial and environmental sustainability can be realised.

We will achieve the above priorities by delivering high quality research and analysis, actively engaging in policy processes, and strengthening capacity through education and training.

Our Geographical Focus

Working on these four interlinked priorities, we embrace the 'leave no one behind' ethos running through the 2030 Agenda. With an emphasis on respectful partnerships (as characterised in the next section), we will use our resources, expertise, networks and influence to address development priorities of those countries who are furthest behind. We define this by the internationally recognised standard of eligibility to receive Official Development Assistance (according to the OECD Development Assistance Committee list of ODA recipients⁴).

We recognise that the actions of individuals, organisations and nations outside of these countries can affect their ability to achieve a sustainable future. Our work will therefore involve some activities with a broader geography, with these focusing on securing positive impact in countries eligible to receive Official Development Assistance.

¹ Adhering to well-established principles regarding ethical conduct in research (as described in the [UKRI ESRC Framework for Research Ethics](#)), in the practice of geoscience (as described in the [Cape Town Statement on Geoethics](#)), and in international development (as described in the [Global Code of Conduct for Research In Resource-Poor Settings](#)).

² A commitment to the 'leave no one behind' ethos of the SDGs, aiming to reduce poverty and support knowledge creation and impacts that are of particular, although not exclusive, benefit to those who are furthest behind.

³ Working with other disciplines, as appropriate, and ensuring sufficient regard is given to any potential unintended consequences of our work.

⁴ www.oecd.org/dac/financing-sustainable-development/development-finance-standards/daclist.htm

Our Values and Commitments

The values below define our approach to all aspects of our work:

Integrity: We will align our conduct with what we know to be excellent.

Respect: We will ensure the defining characteristic of our communications (internal and external) is compassion.

Boldness: We are driven by an ambitious vision and will innovate to realise it.

Collaboration: We will cultivate relationships to deliver impact that leaves no one behind.

Humility: We have much to learn and will take steps to listen and grow.

As an organisation headquartered in the Global North, we recognise our responsibility to ensure that our activities do not propagate existing injustices or create new ones. We commit to:

- Building safe, respectful, and inclusive partnerships.
- Involving diverse stakeholders at all stages of a project lifecycle.
- Listening to stakeholders, to understand their challenges and development priorities.
- Understanding context and using this to inform project design and means of implementation.
- Monitoring our work, identifying any problems, taking mitigative steps where possible, and capturing learning to inform our work and that of others.
- Amplifying the voices of those living in and from the regions we seek to serve, providing a platform by which their perspectives, ideas and expertise can be shared, celebrated, and used.

C. Activities in 2023

In seeking to fulfil our objectives and provide broad public benefit, we have undertaken the following charitable activities, expressed through the first three of our strategic priorities. Information relating to the fourth strategic priority (create an organisation that models the values embedded in the Sustainable Development Goals) is embedded throughout this report.

1. Shape and advance the geoscience research and communication agenda for sustainable development:

- **Presentations and talks on geoscience for sustainable development.** Representatives of *Geology for Global Development* attended and presented at many events and institutions throughout the year, including talks on geosciences and the SDGs at the Sustainable Development Solutions Network (SDSN) International Conference on Sustainable Development (ICSD) (www.gfgd.org/news-events/2023/9/18/gfgd-highlights-earth-sciences-role-at-2030-sdg-midpoint-2023-sdg-summit-amp-icsd)

2. Understand and address the barriers that prevent geoscience being used effectively in sustainable development:

- **Engagement with United Nations' processes.** We coordinated geoscience engagement in several important consultation processes led by the United Nations and International Science Council in advance of the 8th UN Forum on Science, Technology and Innovation for the SDGs, the UN High Level Political Forum on the SDGs, and COP28 Climate Change Summit. We also attended and engaged in the UN Water Summit, sharing GfGD research findings. These contributions capitalise on our successful application for special consultative status with the UN Economic and Social Council (UN ECOSOC) in 2022 and support our ambitions to be at the forefront of global sustainability dialogues.
- **Water management in Africa.** In 2023, we disseminated the results from research initiated in 2021 exploring how NGOs working on water projects in sub-Saharan Africa access and use geoscience information and experts. This work was undertaken by an MSc student at Cranfield University, Brenda Wagaba and published in the Journal of Water, Sanitation, and Hygiene for Development (<https://doi.org/10.2166/washdev.2023.233>) with an associated briefing note on our website. We also expanded this work into West Africa in 2023, funding two MSc students from Nigeria (based at the University of Hull, UK) to complete research.
- **Nationally Determined Contributions (NDCs).** We provided funding and oversight for an MSc student from Sudan (based at the University of Hull UK) and BSc student from Cardiff University (UK) to complete research on enhancing the ambition and technical feasibility of Nationally Determined Contributions, delivering a Call to Action (www.gfgd.org/news-events/2023/11/29/gfgd-releases-key-findings-in-cop28-call-to-action) ahead of COP28.
- **Disaster risk management in Guatemala.** We completed research to characterise the professional geohazards community in Guatemala and explore training and development opportunities and gaps for natural hazard scientists working in the region (led by Dr Ailsa Naismith, University of Bristol). This work was published in early 2024 ([www.doi.org/10.13140/RG.2.2.24757.04322](https://doi.org/10.13140/RG.2.2.24757.04322)) and will guide our future engagement in the region.

3. Empower the global geoscience community to contribute to sustainable development:

- **Higher Education courses in eastern and southern Africa.** We continued to maintain an open-access database of taught geoscience Higher Education courses in eastern and southern Africa (available at this link www.gfgd.org/database-geoscience-he-africa). The database includes short courses, certificates, diplomas, bachelor's degrees, and master's degree programmes, and records course module details, course durations, and entry requirements.
- **Learning and Professional Development.** We continued to disseminate our suite of resources on geosciences and the SDGs, including learning resources (available open-access at www.gfgd.org/education) and a book (available at <https://link.springer.com/book/10.1007/978-3-030-38815-7>), to help integrate sustainability concepts and skills into geoscience education. We continued to add new resources to our

website, acting as an information hub for those wanting to learn more about geoscience and sustainable development. We contributed to international events, talking about geoscience and sustainable development, including work with colleagues in Kenya on geoscience education.

In 2023, we partnered with a variety of organisations to deliver the activities above and advance our charitable objectives. We are an affiliated organisation of the **International Union of Geological Sciences (IUGS)** and, in 2023, received a grant of £2629 from them to support our work. We are a partner organisation on UNESCO/IUGS International Geoscience Program Project 685 (www.unesco.org/en/iggp/igcp-projects/685?hub=67817). We are a member of the **Bond** network of international development NGOs. We also began collaborating with **GESINA International**, a dynamic initiative dedicated to cultivating Earth science interest in Nigeria and across Africa, establishing a formal partnership in early 2024.

Summary

These activities demonstrate the positive impact of *Geology for Global Development*, with respect to our two primary charitable objectives.

- Educational Advancement.** Many of our activities promoted the role of geology in sustainable development to diverse audiences both in the UK and overseas. Our engagement with the geological science and sustainable development communities (through conferences, online consultations, engagement in universities, and publication of resources) has helped to increase awareness of how geoscientists can make a positive contribution to sustainable development. We advanced research relating to challenges affecting communities in Africa and Central America, with projects providing learning and development opportunities for students and early-career scientists. Our social media content and publications helped to raise public awareness of why geological science matters when implementing sustainable development activities. Our work helps to train geologists to better serve the public, by improving professional practices (e.g., partnership and capacity building, ethics and integrity) relating to the application of geology to sustainable development.
- Poverty Prevention and Relief.** We engaged in programmes aiming to enhance education for sustainable development and responsible management of natural resources. Work on improving water provision and resilience to environmental shocks (e.g., volcanic eruptions) was advanced. Our activities help to prevent and relieve poverty by connecting a more socially-aware geoscience community engaged in sustainable development activities with partners including NGOs and government agencies.

D. Governance and Management

Board of Trustees: Trustees have been appointed to oversee and guide our work, in accordance with our Governing Document (based on the Charity Commission's 'Foundation' model constitution for a Charitable Incorporated Organisation whose only voting members are its charity trustees).



Nic Bilham (Chair of Trustees)

Nic is a consultant working on sustainable mineral supply chains and responsible sourcing of raw materials. He is European Coordinator for the *International Association for Promoting Geoethics*.



Kirsty Dawkes

Kirsty has an MSci in Geological Sciences and is a Chartered Geologist through the *Geological Society of London*. She currently works in the energy sector, with international engagement.



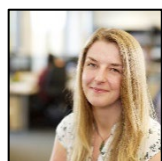
Marie Fleming

Marie is an Engineering Geologist at *Arup*, based in Ireland. She is a former president of the *Institute of Geologists of Ireland*.



Flo Bullough

Flo has an MSci in Geology from *Imperial College London* and a background in geochemistry research, contaminated land and groundwater. She has expertise in policy, currently working for the *Royal Academy of Engineering*.



Natasha Dowey

Natasha lectures in physical geography at *Sheffield Hallam University*, with specialisms in hazards, volcanoes, and igneous geology.

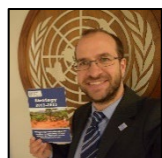


Sarah Gordon

Sarah is a geologist and a co-founder of the risk management company, *Satarla*. She has previously worked for *Anglo American*, working around the world, and has a PhD in the chemistry of meteorites.

Team: Day-to-day responsibility for the running of the charity is delegated to a volunteer Executive Director of *Geology for Global Development*, working alongside a Senior Leadership Team and a wider team of volunteers.

Information about the Senior Leadership Team in 2023 is noted below, with full and up-to-date team information available on our website (www.gfgd.org/our-team).



Joel Gill (Executive Director)

Joel founded *Geology for Global Development* in 2011 and has overall responsibility for the leadership and management of GfGD, overseeing the implementation of our strategy and day-to-day operations.



Viki O'Connor (Business Development and Fundraising Lead)

Viki leads our business development and fundraising activities and supports our financial planning and management.



Paul Hubley (People and Policies Coordinator)

Paul ensures that the relevant processes and procedures are in place to ensure appropriate governance for GfGD and oversees volunteer training.



Jesse Zondervan (Communications Lead)

Jesse oversees the delivery and monitoring of our external communications through our various channels.

E. Financial Overview

The accounts below document financial activity (income and expenditure) that occurred in 2023 and 2022. The Statement of Financial Activities is calculated on a cash basis. The Balance Sheet shows total funds including non-cash assets and liabilities. For full details of activity in 2016 to 2022, please refer to previous GfGD Annual Reports (www.gfgd.org/annual-reports).

Key observations include:

- **Unrestricted Income.** £3541 is labelled as unrestricted income and can be used to support the full portfolio of our work. This income was raised through grants and personal donations. We are particularly grateful to the International Union of Geological Sciences (IUGS) for their support in the form of a grant for £2,629. A further donation of £600 which was pledged in 2022, was subsequently paid to GfGD in early 2023.
- **Restricted Income.** No restricted income was received in 2023.
- **Expenditure from Unrestricted Income.** £3,836 is labelled as expenditure drawing on funds from unrestricted income. This was used exclusively to support our charitable activities (described in detail in **Section C**).
- **Expenditure from Restricted Income.** £300 is labelled as expenditure drawing on funds from restricted income. Funds raised for work to increase resilience to volcanic hazards in Guatemala were deployed to support a research project to help characterise the training and development needs of hazard scientists in the region (described in **Section C**).

In 2023, the net movement in *unrestricted* funds (excluding the non-cash assets and liabilities shown on the Balance Sheet) was therefore -£295. The total net movement in cash funds (including both *unrestricted* and *restricted* funds) was -£595.

Our Charity Reserves Policy, updated in 2022, sets an ambition to ensure free reserves of six to nine months operational costs (or 50 to 75%). Based on budgeted expenditure of £4,892 in 2024, this equates to £2,446 to £3,669. At the end of 2023, based on our balance sheet, our free reserves stood at £8925, equivalent to 182% of our budgeted expenditure in 2024. While this is above the range set out in our Charity Reserves Policy, we do not currently have plans to draw down on our free reserves during 2024 given the organisation has ambitions to scale up its work in the coming years following the recent leadership changes. The level of reserves held by the organisation will be monitored carefully by the Trustees and Senior Leadership Team.

Many of our activities were delivered through the dedication of a team of volunteers, representing significant in-kind support not shown in our financial statements. We are very grateful to all those who gave their time in 2023 to help realise our charitable objectives.

GfGD Statement Of Financial Activities (as at 31 December 2023)

	Unrestricted Funds (£)	Restricted Funds (£)	Total 2023 (£)	Total 2022 (£)
Income and endowments from:				
Donations and legacies	3,541	--	3,541	4,290
Activities for Generating Funds (Fundraising Events)	--	--	--	--
Charitable activities	--	--	--	--
Other trading activities	--	--	--	--
Investment income	--	--	--	--
Total Income	3,541	--	3,541	4,290
Expenditure on:				
Costs of Generating Voluntary Receipts	--	--	--	--
Raising funds	--	--	--	--
Investment Management Costs	--	--	--	--
Charitable activities	(3,836)	(300)	(4,136)	(3,723)
Governance Costs	--	--	--	--
Total Expenditure	(3,836)	(300)	(4,136)	(3,723)
Surplus/(Deficit) of income over expenditure	(295)	(300)	(595)	567
Net gains/(losses) on investments	--	--		--
Net income/(expenditure)	(295)	(300)	(595)	567
Transfers between funds	--	--		--
Net movement in funds	(295)	(300)	(595)	567
Reconciliation of funds	9,220	500	9,720	9,153
Total funds brought forward				
Total funds carried forward	8,925	200	9,125	9,720

Balance Sheet (as at 31 December 2023)

	2023 (£)	2022 (£)
Fixed Assets		
Tangible Assets	--	--
Investments	--	--
Total Fixed Assets	--	--
Current Assets		
Debtors: Due in one year	--	600 ¹
Debtors: Due after one year	--	--
Cash at Bank and in hand	9,125	9,720
Total Current Assets	9,125	10,320
Current Liabilities		
Creditors due within one year	--	--
Net current assets	9,125	10,320
Total assets less current liabilities	9,125	10,320
Funds		
Unrestricted Funds	8,925	9,220
Restricted Funds ²	200	500
Total Funds	9,125	9,720

Cash Flow Statement (as at 31 December 2023)

	2023 (£)	2022 (£)
Cash flows from operating activities:		
Net cash provided by operating activities	(595)	567
Cash flows from investing activities:		
Net cash provided by investing activities	--	--
Cash flows from financing activities:		
Net cash provided by financing activities	--	--
Change in cash and cash equivalents in the reporting period	(595)	567
Cash and cash equivalents at the beginning of the reporting period	9720	9153
Change in cash and cash equivalents due to exchange rate movements	--	--
Cash and cash equivalents at the end of the reporting period	9125	9720

¹ Income pledged in 2022 and received in 2023.

² Money raised for a project building resilience to volcanic hazards in Guatemala.

F. Equality, Diversity, and Inclusion (EDI)

In our 2020 annual report, we recognised the need to listen, learn, and implement change where needed to help deliver a more diverse and inclusive geoscience community. Being accountable to both our supporters and beneficiaries, we note below some of our work on EDI in 2023:

- *Safeguarding in International Development Contexts:* We continued to mandate all new recruits complete safeguarding training, supporting the team to identify and know how to report all forms of harm, exploitation, and abuse. We invested in additional training for selected team members to enable them to act as Safeguarding leads.
- *Improving Volunteer Coordination:* We built on our success recruiting volunteers from outside the UK in 2022 (including Kenya, Nigeria, Italy, the Netherlands, Canada, and New Zealand), implementing improvements to our internal processes for volunteer coordination, to ensure that all team members have the option to effectively contribute to our projects. We will seek to replicate our approach to recruitment and coordination when expanding our Volunteer Team, Senior Leadership Team and Board of Trustees in the future.
- *Funding Decisions:* We reviewed the extent to which our bursaries are accessed by those in and/or from the Global South. In 2023, 75% of placement funding/bursaries went to those in and/or from the Global South (compared with 68% in 2021, and 100% in 2022). One consultant was used in 2023, from the Global North. Monitoring this information allows us to take actions, where appropriate, to widen access to funding and other opportunities provided by Geology for Global Development.
- *Future planning:* In 2024, we plan to launch new activities that aim to increase opportunities for scientists from the Global South to engage in our work (e.g., a webinar series).

Our work to improve monitoring of EDI within GfGD, taking actions where needed, and support the wider geoscience community to be a more equal, diverse and inclusive environment, continues through 2024.

G. Looking to the Future

In 2024, we will continue to deliver high quality and impact-driven research, engage in international policy mechanisms, and support education and capacity strengthening at all levels. Selected examples of planned work include:

- Contributing to major UN forums, including the UN Forum on Science, Technology, and Innovation for the SDGs (May 2024), the 2024 SDG Summit of the Future (September 2024), and COP29 (December 2024).
- Consolidating, extending, and disseminating GfGD-led work on research themes, including (a) geoscience education in the Global South, (b) improving access to water in Africa, (c) tackling climate change, and (d) disaster risk reduction in Central America.
- Contributing to a research project on disaster preparedness in low-income, multi-hazard contexts environments.
- Developing a thematic webinar series to support dissemination of GfGD outputs and learning.
- Develop and strengthen partnerships with geoscience institutions in the Global South, particularly GESINA International who have a strong presence in West Africa.
- Develop and disseminate training and learning resources, supporting the wider geoscience community to engage effectively in sustainable development.

Updates on these activities will be detailed in our 2024 Annual Report (published in 2025), with live updates regularly posted on our website and social media.

H. Further Information

Find the latest GfGD news, events and opportunities to get involved on our website (www.gfgd.org), Facebook (www.facebook.com/gfgd.org), LinkedIn (www.linkedin.com/company/gfgd), and X (formerly known as Twitter) (www.twitter.com/Geo_Dev).

Download this Annual Report and Review from our website (www.gfgd.org/annual-reports).



CHARITY COMMISSION
FOR ENGLAND AND WALES

Geology for Global Development

1165663

Receipts and payments accounts

CC16a

For the period
from

01-Jan-23

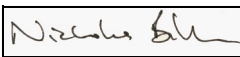
To

31-Dec-23

Section A Receipts and payments

	Unrestricted funds to the nearest £	Restricted funds to the nearest £	Endowment funds to the nearest £	Total funds to the nearest £	Last year to the nearest £
A1 Receipts					
Voluntary Receipts (Donations, Legacies and Grants)	3,541	-	-	3,541	4,290
Investment Dividends/Interest	-	-	-	-	-
Activities for Generating Funds (Fundraising Events)	-	-	-	-	-
Charitable Activities	-	-	-	-	-
Other receipts	-	-	-	-	-
Sub total (Gross income for AR)	3,541	-	-	3,541	4,290
A2 Asset and investment sales, (see table).					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total receipts	3,541	-	-	3,541	4,290
A3 Payments					
Costs of Generating Voluntary Receipts	-	-	-	-	-
Fundraising Costs	-	-	-	-	-
Investment Management Costs	-	-	-	-	-
Costs of Charitable Activities	3,836	300	-	4,136	3,723
Governance Costs	-	-	-	-	-
Sub total	3,836	300	-	4,136	3,723
A4 Asset and investment purchases, (see table)					
	-	-	-	-	-
Sub total	-	-	-	-	-
Total payments	3,836	300	-	4,136	3,723
Net of receipts/(payments)	- 295	- 300	-	- 595	567
A5 Transfers between funds	-	-	-	-	-
A6 Cash funds last year end	9,220	500	-	9,720	9,153
Cash funds this year end	8,925	200	-	9,125	9,720

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
B1 Cash funds	Cash at Bank	8,925	200	-
		-	-	-
		-	-	-
	Total cash funds	8,925	200	-
	(agree balances with receipts and payments account(s))	OK	OK	OK
B2 Other monetary assets			-	-
		-	-	-
		-	-	-
B3 Investment assets		Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
B4 Assets retained for the charity's own use		Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
B5 Liabilities		Fund to which liability relates	Amount due (optional)	When due (optional)
			-	
			-	
			-	
Signed by one or two trustees on behalf of all the trustees				
Signature		Print Name	Date of approval	
		Nic Bilham	09-Aug-24	
		Kirsty Dawkes	18-Aug-24	

Geoscience for Global Development

England & Wales - Charity number 1165663

Accounts



**Geology
for
Global
Development**

Annual Report and Review 2022



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



Geology for Global Development Supports the Sustainable Development Goals

Registered Charity
Number: 1165663

-- Report and Financial Statements 2022 --

Geology for Global Development

C/O Dr Joel C. Gill, School of Earth and Environmental Science, Cardiff University, Main Building, Park Place, Cardiff, CF10 3AT

Registered Charity: 1165663

Trustees (during reporting period):

Nicholas Bilham (Chair)

Kirsty Dawkes

Florence Bullough

Marie Fleming

Sarah Gordon PhD

Natasha Dowey PhD

Overview

Geology for Global Development (GfGD) is a registered charity (England and Wales) working to mobilise and reshape the geoscience community to help deliver sustainable and resilient communities, as expressed in the UN Sustainable Development Goals (SDGs). Geoscience is critical to eradicating poverty, reducing inequality, ensuring environmental sustainability, and securing universal and fair access to natural resources (e.g., water), food, energy, education, and healthcare. Geoscience underpins the work needed to ensure current and future generations are resilient to natural hazards, have access to sustainable and planned urban environments, and respond decisively to global environmental change. Many of these themes are captured within the SDGs, aiming to transform societies globally, leaving no one behind.

In 2022, we launched a new strategy to support our mission to help deliver the SDGs. This new strategy sets out our ambition for *GfGD* to be an influential and impactful organisation delivering high quality research and analysis, actively engaging in policy processes, and strengthening capacity through education and training.

Through 2022 we advanced existing research projects (commenced in 2021), working with colleagues in the UK and beyond. These include work to characterise the training and development needs of hazard professionals in Guatemala and understand the barriers that prevent NGOs from using geoscience knowledge to deliver clean water in eastern Africa. We are anticipating that these projects will result in a range of useful and accessible outputs in 2023, contributing to our ambition to address the barriers that prevent geoscience being used effectively in sustainable development.

We engaged in global policy dialogues around science and sustainable development, with a particular highlight being a successful application for special consultative status with the UN Economic and Social Council (UN ECOSOC). This status supports our ambitions to be at the forefront of global sustainability dialogues, and opens opportunities for us to share our research and ideas in a range of key events in 2023 and beyond.

Our work through 2022 was made possible through the contributions of many volunteers, input from consultants, the generous support of donors, and valued collaborations with partners. We are particularly grateful to the International Union of Geological Sciences and the UNESCO/IUGS International Geoscience Program for supporting our activities.

Here we set out our charitable objectives (**Section A**) and a summary of the strategy agreed in 2022 to help implement these objectives (**Section B**). We proceed to give a report on activities in 2022 (**Section C**), a summary of our governance and management (**Section D**) and an overview of our finances in 2022 (**Section E**). We explain our progress towards improving Equality, Diversity and Inclusion in our work through 2022 (**Section F**). We then look to the future, with details of events and opportunities in 2023 (**Section G**), and ways you can stay informed about our work (**Section H**).

From Our Trustees

The trustees and executive team of GfGD were proud and excited to launch and share our new 10-year strategy in 2022. This marked the culmination of a great deal of work throughout 2021 and into 2022 – to reflect on the achievements, challenges and evolution of our organisation over the previous five years, and to set the direction of travel for GfGD for the coming decade. I am confident that our new strategy equips GfGD to be resilient in an uncertain world, to mobilise and focus the contributions geoscience can make to delivering the UN 2030 Agenda for Sustainable Development, and to help shape whatever succeeds it. It builds on the best of what we have achieved in the past, and should help us focus our efforts on activities and approaches where we can have greatest impact to further our objectives, learning from the experience and knowledge we have accumulated.

As you will see when reading this review, we have not focused on strategy development at the expense of working hard to deliver our aims! Our engagement in UN forums in particular, and in other collaborative spaces, goes from strength to strength. And our research programme has continued to grow, along with activities to ensure that this research has practical impact. These and all our other activities depend on the commitment and talent of a wide range of people, from the voluntary executive team and those who contribute their time and effort to particular projects, to expert consultants commissioned to deliver high-quality research for GfGD and its partner organisations. Throughout 2022, the trustees were once again deeply impressed by the skills and passion of those who worked for and with us.

We would like especially to thank two departing members of the Senior Leadership Team: Hannah Hilbert-Wolf, who left in 2022 having significantly helped to strengthen and focus our research and analysis programme; and Laura Roberts-Artal, whose long-standing involvement in GfGD's evolution and activities culminated in her leadership of our communications work. The departure of two such talented individuals from key roles has inevitably required others to step up, and GfGD owes a particular debt of gratitude to Joel Gill and Viki O'Connor for ensuring that work in these vital areas has continued to thrive, alongside managing their considerable existing responsibilities.

The launch of the new strategy provided an ideal opportunity to seek new people to get involved in GfGD's work, and to help shape programmes and activities to deliver our ambitious aims. It is heartening and exciting to see our talent pool expanding, laying the groundwork for further evolution of our team in the coming years. We warmly welcome and thank all those who have taken up new roles with us in 2022, and look forward to seeing them flourish on their GfGD journey.

Nic Bilham
Chair of Trustees

A. Charitable Objectives

Geology for Global Development, established in 2011, is a registered charity working to mobilise and equip the geology community to prevent and relieve poverty. As stated in our Governing Constitution, Geology for Global Development provides public benefit (nationally and internationally) through the following charitable objectives:

- i. **Educational advancement** of the public in general, and particularly amongst geologists, in subjects relating to geology and sustainable development (defined below), in any part of the world. This will be done (in particular, but not exclusively) by means of relevant communications, educational material, training courses, placement opportunities, and by promoting research in all aspects of that subject and publishing the useful results.
- ii. **Poverty prevention and relief**, in any part of the world, by providing grants, equipment and services (in particular but not exclusively education and training in geology) to individuals in need, other charitable organisations, and/or other organisations working to prevent or relieve poverty.

In this context, we note sustainable development to mean '*development which meets the needs of the present without compromising the ability of future generations to meet their own needs*' as defined in the Brundtland Report (1987).

In meeting these objectives, we provide public benefit through advancing education, at all levels, of the role of geology in supporting sustainable development, as well as using geological science to prevent and relieve poverty. In setting our aims for the year and preparing this review, the trustees have given due regard to the Charity Commission guidance on public benefit.

B. Strategy

In 2015, global leaders came together at the United Nations to agree an agenda for change. Driven by an ambitious vision of a '*world free of poverty, hunger, disease and want, where all life can thrive*', the 2030 Agenda for Sustainable Development set out 17 Sustainable Development Goals (SDGs), with 169 targets.

At Geology for Global Development, we share this vision. **Our purpose is to help build a sustainable future for all by transforming understanding of, access to, and capacity to use the geoscience required to implement the SDGs.**

The SDGs are science intensive - requiring research, innovation, capacity strengthening, and technology transfer. They also make clear the need to understand, monitor, protect, manage, and restore the natural environment. Geoscientists are therefore essential to their successful delivery. This role, however, is often insufficiently recognised by the geoscience community itself and many others contributing to sustainable development initiatives. Barriers prevent access to geoscience data and expertise that could support decision making. Inequalities within the

geoscience community hold us back from making a full and rich contribution in sustainability contexts.

Recognising the need to address these challenges, and with a focus on '*leaving no one behind*', four interlinked strategic priorities are shaping our activities from 2022 to 2031:

1. **Shape and advance the geoscience research and communication agenda for sustainable development:** Generating, and catalysing others to generate, knowledge, tools, and techniques that address global challenges in an ethical¹, pro-poor², and integrated³ manner.
2. **Understand and address the barriers that prevent geoscience being used effectively in sustainable development:** Identifying and bridging gaps between knowledge, policy, and practice to improve the planning and implementation of sustainable development initiatives.
3. **Empower the global geoscience community to contribute to sustainable development:** Building an equitable and connected global geoscience community, that is inspired and equipped to serve society.
4. **Create an organisation that models the values embedded in the Sustainable Development Goals:** Investing in people and processes to ensure a culture where all members of our team can thrive, our work can be appropriately scrutinised, and financial and environmental sustainability can be realised.

We will achieve the above priorities by delivering high quality research and analysis, actively engaging in policy processes, and strengthening capacity through education and training.

Our Geographical Focus

Working on these four interlinked priorities, we embrace the 'leave no one behind' ethos running through the 2030 Agenda. With an emphasis on respectful partnerships (as characterised in the next section), we will use our resources, expertise, networks and influence to address development priorities of those countries who are furthest behind. We define this by the internationally recognised standard of eligibility to receive Official Development Assistance (according to the OECD Development Assistance Committee list of ODA recipients⁴).

We recognise that the actions of individuals, organisations and nations outside of these countries can affect their ability to achieve a sustainable future. Our work will therefore involve some activities with a broader geography, with these focusing on securing positive impact in countries eligible to receive Official Development Assistance.

¹ Adhering to well-established principles regarding ethical conduct in research (as described in the [UKRI ESRC Framework for Research Ethics](#)), in the practice of geoscience (as described in the [Cape Town Statement on Geoethics](#)), and in international development (as described in the [Global Code of Conduct for Research In Resource-Poor Settings](#)).

² A commitment to the 'leave no one behind' ethos of the SDGs, aiming to reduce poverty and support knowledge creation and impacts that are of particular, although not exclusive, benefit to those who are furthest behind.

³ Working with other disciplines, as appropriate, and ensuring sufficient regard is given to any potential unintended consequences of our work.

⁴ <https://www.oecd.org/dac/financing-sustainable-development/development-finance-standards/daclist.htm>

Our Values and Commitments

The values below define our approach to all aspects of our work:

Integrity: We will align our conduct with what we know to be excellent.

Respect: We will ensure the defining characteristic of our communications (internal and external) is compassion.

Boldness: We are driven by an ambitious vision and will innovate to realise it.

Collaboration: We will cultivate relationships to deliver impact that leaves no one behind.

Humility: We have much to learn and will take steps to listen and grow.

As an organisation headquartered in the Global North, we recognise our responsibility to ensure that our activities do not propagate existing injustices or create new ones. We commit to:

- Building safe, respectful, and inclusive partnerships.
- Involving diverse stakeholders at all stages of a project lifecycle.
- Listening to stakeholders, to understand their challenges and development priorities.
- Understanding context and using this to inform project design and means of implementation.
- Monitoring our work, identifying any problems, taking mitigative steps where possible, and capturing learning to inform our work and that of others.
- Amplifying the voices of those living in and from the regions we seek to serve, providing a platform by which their perspectives, ideas and expertise can be shared, celebrated, and used.

C. Activities in 2022

In seeking to fulfil our objectives and provide broad public benefit, we have undertaken the following charitable activities, expressed through the first three of our strategic priorities. Information relating to the fourth strategic priority (create an organisation that models the values embedded in the Sustainable Development Goals) is embedded throughout this report.

1. Shape and advance the geoscience research and communication agenda for sustainable development:

- **Presentations and talks on geoscience for sustainable development.** Representatives of *Geology for Global Development* attended and presented at many events and institutions throughout the year, including talks on geosciences and the SDGs to the *Geoscience Society of New Zealand* special event to celebrate International Geoethics Day and the *Geoscience, Exploration, & Extraction (GEE) Conference 2022* in Papua New Guinea.

- **The UK's Global Contribution to the Sustainable Development Goals.** As a member of BOND, the UK network for International Development Organisations, we contributed to a major report examining *'the UK's global contribution to the Sustainable Development Goals'*. Our focus was improving the discussion of science in SDG 17 (partnerships for the SDGs, with a specific target on science partnerships) and the chapter on SDG 12 (responsible consumption and production) highlighting the need for responsible sourcing of minerals. The report can be accessed by clicking this link: <https://www.bond.org.uk/resources/the-uks-global-contribution-to-the-sustainable-development-goals/>. Active participation in the BOND network is helping us to better understand NGO requirements for geological information in international development and communicate this with the broader geoscience community.
- **Engineering Geology for the SDGs.** We contributed to a detailed evaluation of all 169 SDG targets, with the resulting publication identifying key impact areas where engineering geologists already contribute to sustainable development and opportunities for contributions to be strengthened (<https://www.lyellcollection.org/doi/full/10.1144/qjegh2021-127>).

2. Understand and address the barriers that prevent geoscience being used effectively in sustainable development:

- **Engagement with United Nations' processes.** We responded to consultations in advance of the 7th UN Forum on Science, Technology and Innovation for the SDGs and responded to an International Science Council consultation on the Major Group for Science and Technology position paper for the UN High Level Political Forum on the SDGs. Our application for special consultative status with the UN Economic and Social Council (UN ECOSOC) was approved, supporting our ambitions to be at the forefront of global sustainability dialogues.
- **Water management in sub-Saharan Africa.** In 2021, we initiated a new project exploring how NGOs working on water projects in sub-Saharan Africa access and use geoscience information and experts. An MSc student at Cranfield University, Brenda Wagaba, completed a pilot project exploring this theme in the context of eastern Africa (including her home country of Uganda). This work provided important context for understanding the barriers, and enabling factors, to the use of geoscience data and expertise. In 2022, Brenda's work was submitted to a journal as a research paper, with dissemination at a UN forum planned for 2023.
- **Combining community and geoscience knowledge.** We supported Celestinah Odebunmi, an MSc student at Cranfield University from Nigeria, to complete research on the integration of community knowledge with geoscience knowledge to deliver water programmes in western Africa.
- **Disaster risk management in Guatemala.** We continued research to characterise the professional geohazards community in Guatemala and explore training and development opportunities and gaps for natural hazard scientists working in the region. This work, conducted by Dr Ailsa Naismith, will be published in 2023 and guide our future engagement in the region.

3. Empower the global geoscience community to contribute to sustainable development:

- **Higher Education courses in eastern and southern Africa.** We published an open-access database of taught geoscience Higher Education courses in eastern and southern Africa (available at this link <https://www.gfgd.org/database-geoscience-he-africa>). The database includes short courses, certificates, diplomas, bachelor's degrees, and master's degree programmes, and records course module details, course durations, and entry requirements.
- **Earth Futures Festival.** As a member of the UNESCO/IUGS International Geoscience Program Project 685 (Geology for Sustainable Development), we partnered with the Earth Futures Festival, an international film and video festival showcasing the role of geoscience in our sustainable future.
- **Learning and Professional Development.** We continued to disseminate our suite of resources on geosciences and the SDGs, including learning resources (available open-access at www.gfgd.org/education) and a book (available at <https://link.springer.com/book/10.1007/978-3-030-38815-7>), to help integrate sustainability concepts and skills into geoscience education. We continued to add new resources to our website, acting as an information hub for those wanting to learn more about geoscience and sustainable development. We contributed to a Geological Society of London accredited training course on responsible raw materials.

In 2022, we partnered with a range of organisations to deliver the activities above and advance our charitable objectives. We are an affiliated organisation of the International Union of Geological Sciences (IUGS) and, in 2022, received a grant of £3124 from them to support our work. We are a partner organisation on UNESCO/IUGS International Geoscience Program Project 685 (<https://en.unesco.org/international-geoscience-programme/projects/685>). We are a member of the Bond network of international development NGOs.

Summary

These activities demonstrate the positive impact of *Geology for Global Development*, with respect to our two primary charitable objectives.

- **Educational Advancement.** Many of our activities promoted the role of geology in sustainable development to diverse audiences both in the UK and overseas. Our engagement with the geological science and sustainable development communities (through conferences, online consultations, engagement in universities, and publication of resources) has helped to increase awareness of how geoscientists can make a positive contribution to sustainable development. We advanced research relating to challenges affecting communities in eastern Africa and Central America, with projects providing learning and development opportunities for students and early-career scientists. Our social media content and publications helped to raise public awareness of why geological science matters when implementing sustainable development activities. Our work helps to train geologists to better serve the public, by improving professional practices

(e.g., partnership and capacity building, ethics and integrity) relating to the application of geology to sustainable development.

- **Poverty Prevention and Relief.** We engaged in programmes aiming to enhance education for sustainable development and responsible management of natural resources. Work on improving water provision and resilience to environmental shocks (e.g., volcanic eruptions) was advanced. Our activities help to prevent and relieve poverty by connecting a more socially-aware geoscience community engaged in sustainable development activities with partners including NGOs and government agencies.

D. Governance and Management

Board of Trustees: Trustees have been appointed to oversee and guide our work, in accordance with our Governing Document (based on the Charity Commission's 'Foundation' model constitution for a Charitable Incorporated Organisation whose only voting members are its charity trustees).



Nic Bilham (Chair of Trustees)

Nic is a consultant working on sustainable mineral supply chains and responsible sourcing of raw materials. He is European Coordinator for the *International Association for Promoting Geoethics*.



Kirsty Dawkes

Kirsty has an MSci in Geological Sciences and is a Chartered Geologist through the *Geological Society of London*. She currently works in the energy sector, with international engagement.



Marie Fleming

Marie is an Engineering Geologist at *Arup*, based in Ireland. She is a former president of the *Institute of Geologists of Ireland*.



Flo Bullough

Flo has an MSci in Geology from *Imperial College London* and a background in geochemistry research, contaminated land and groundwater. She has expertise in policy, currently working for the House of Lords.



Natasha Dowey

Natasha lectures in physical geography at *Sheffield Hallam University*, with specialisms in hazards, volcanoes, and igneous geology.

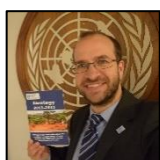


Sarah Gordon

Sarah is a geologist and a co-founder of the risk management company, *Satarla*. She has previously worked for *Anglo American*, working around the world, and has a PhD in the chemistry of meteorites.

Team: Day-to-day responsibility for the running of the charity is delegated to a volunteer Executive Director of *Geology for Global Development*, working alongside a Senior Leadership Team and a wider team of volunteers. In 2022, we expanded our team significantly, with members based around the world, including Canada, Kenya, Italy, New Zealand, and Nigeria.

Information about the Senior Leadership Team in 2022 is noted below, with full and up-to-date team information available on our website (<https://www.gfgd.org/our-team>).



Joel Gill (Executive Director)

Joel founded *Geology for Global Development* in 2011 and has overall responsibility for the leadership and management of GfGD, overseeing the implementation of our strategy and day-to-day operations.



Viki O'Connor (Business Development and Fundraising Lead)

Viki leads our business development and fundraising activities and supports our financial planning and management.



Sean Ruffell (Global Student Network Coordinator)

[Currently On Sabbatical] Sean supports our GfGD Student Network, helping students to engage with activities that align with GfGD's core values.



Hannah Hilbert-Wolf (Research and Analysis Lead)

[Stepped down in 2022] Hannah led the Research Team, which develops and coordinates a program of impact-focused research.



Laura Roberts-Artal (Communications Lead)

[Stepped down in early 2023] Laura had responsibility for developing and managing our portfolio of communications.

E. Financial Overview

The accounts below document financial activity (income and expenditure) that occurred in 2022 and 2021. The Statement of Financial Activities is calculated on a cash basis. The Balance Sheet shows total funds including non-cash assets and liabilities. For full details of activity in 2016 to 2021, please refer to previous GfGD Annual Reports (www.gfgd.org/annual-reports).

Key observations include:

- **Unrestricted Income.** £4290 is labelled as unrestricted income and can be used to support the full portfolio of our work. This income was raised through grants and personal donations. We are particularly grateful to the International Union of Geological Sciences (IUGS) for their support. A further donation of £600 was pledged in 2022, to be paid to GfGD in early 2023. This is included below as a sum of £600 in the Balance Sheet, under *Debtors: Due in One Year*. At the time of publication, this sum has been received.
- **Restricted Income.** No restricted income was received in 2022.
- **Expenditure from Unrestricted Income.** £3177 is labelled as expenditure drawing on funds from unrestricted income. This was used exclusively to support our charitable activities (described in detail in **Section C**).
- **Expenditure from Restricted Income.** £546 is labelled as expenditure drawing on funds from restricted income. Funds raised for work to increase resilience to volcanic hazards in Guatemala were deployed to support a research project to help characterise the training and development needs of hazard scientists in the region (described in **Section C**).

In 2022, the net movement in *unrestricted* funds (excluding the non-cash assets and liabilities shown on the Balance Sheet) was therefore £1113. The total net movement in cash funds (including both *unrestricted* and *restricted* funds) was £567.

Our Charity Reserves Policy, updated in 2022, sets an ambition to ensure free reserves of six to nine months operational costs (or 50 to 75%). Based on budgeted expenditure of approximately £9400 in 2023, this equates to £4700 to £7050. At the end of 2022, based on our balance sheet, our free reserves stood at £9820, equivalent to 105% of our budgeted expenditure in 2023. While this is above the range set out in our Charity Reserves Policy, we do not currently have plans to draw down on our free reserves given the organisation has ambitions to scale up its work in the coming years. The level of reserves held by the organisation will be monitored carefully by the Trustees and Senior Leadership Team.

Many of our activities were delivered through the dedication of a team of volunteers, representing significant in-kind support not shown in our financial statements. We are very grateful to all those who gave their time in 2022 to help realise our charitable objectives.

GfGD Statement Of Financial Activities (as at 31 December 2022)

	Unrestricted Funds (£)	Restricted Funds (£)	Total 2022 (£)	Total 2021 (£)
Income and endowments from:				
Donations and legacies	4290	--	4290	10,050
Activities for Generating Funds (Fundraising Events)	--	--	--	472
Charitable activities	--	--	--	--
Other trading activities	--	--	--	--
Investment income	--	--	--	--
Total Income	4290	--	4290	10,522
Expenditure on:				
Costs of Generating Voluntary Receipts	--	--	--	--
Raising funds	--	--	--	--
Investment Management Costs	--	--	--	--
Charitable activities	(3177)	(546)	(3723)	(11,994)
Governance Costs	--	--	--	--
Total Expenditure	(3177)	(546)	(3723)	(11,994)
Surplus/(Deficit) of income over expenditure	1113	(546)	567	(1472)
Net gains/(losses) on investments	--	--	--	--
Net income/(expenditure)	1113	(546)	567	(1472)
Transfers between funds	--	--	--	--
Net movement in funds	1113	(546)	567	(1472)
Reconciliation of funds				
Total funds brought forward	8107	1046	9153	10,625
Total funds carried forward	9220	500	9720	9153

Balance Sheet (as at 31 December 2022)

	2022 (£)	2021 (£)
Fixed Assets		
Tangible Assets	--	--
Investments	--	--
Total Fixed Assets	--	--
Current Assets		
Debtors: Due in one year	600 ¹	714
Debtors: Due after one year	--	--
Cash at Bank and in hand	9720	9153
Total Current Assets	10320	9867
Current Liabilities		
Creditors due within one year	--	--
Net current assets	10320	9867
Total assets less current liabilities	10320	9867
Funds		
Unrestricted Funds	10320	8821
Restricted Funds ²	--	1046
Total Funds	10320	9867

Cash Flow Statement (as at 31 December 2022)

	2022 (£)	2021 (£)
Cash flows from operating activities:		
Net cash provided by operating activities	567	(1472)
Cash flows from investing activities:		
Net cash provided by investing activities	--	--
Cash flows from financing activities:		
Net cash provided by financing activities	--	--
Change in cash and cash equivalents in the reporting period	567	(1472)
Cash and cash equivalents at the beginning of the reporting period	9153	10625
Change in cash and cash equivalents due to exchange rate movements	--	--
Cash and cash equivalents at the end of the reporting period	9720	9153

¹ Income pledged in 2022 but to be received in 2023.

² Money raised for a project building resilience to volcanic hazards in Guatemala.

F. Equality, Diversity, and Inclusion (EDI)

In our 2020 annual report, we recognised the need to listen, learn, and implement change where needed to help deliver a more diverse and inclusive geoscience community. Being accountable to both our supporters and beneficiaries, we note below some of our work on EDI in 2022:

- *Safeguarding in International Development Contexts:* We mandated all new recruits to complete safeguarding training in 2022, supporting the team to identify and know how to report all forms of harm, exploitation, and abuse.
- *Improving Recruitment Processes:* We ensured that our recruitment processes followed good practice in terms of transparency and inclusivity. We significantly increased the number of applications and recruited team members living in / from countries outside of the UK (including Kenya, Nigeria, Italy, the Netherlands, Canada, and New Zealand), improving the diversity of our team. We will seek to replicate this when expanding our Senior Leadership Team and Board of Trustees in the future.
- *Funding Decisions:* We reviewed the extent to which our bursaries are accessed by those in and/or from the Global South. In 2022, 100% of placement funding/bursaries went to those in and/or from the Global South (compared with 68% in 2021), and 0% of our consultancy funding (compared with 31% in 2021). We supported geoscientists, events and geoscience organisations around the world, including in New Zealand, Papua New Guinea, Nigeria, and the United States of America. Monitoring this information allows us to take actions, where appropriate, to widen access to funding and other opportunities provided by Geology for Global Development.

Our work to improve monitoring of EDI within GfGD, taking actions where needed, and support the wider geoscience community to be a more equal, diverse and inclusive environment, continues through 2023.

G. Looking to the Future

In 2023, we will continue to deliver high quality and impact-driven research, engage in international policy mechanisms, and support education and capacity strengthening at all levels. Selected examples of planned work include:

- Contributing to the UN Water Summit (March 2023), the UN High Level Political Forum on Sustainable Development (July 2023), the 2023 SDG Summit (September 2023), and COP28 (December 2023).
- Publishing and disseminating research outputs on themes including improving access to water in eastern Africa and disaster risk reduction in Central America.
- Initiating research and analysis on geoscience skills to deliver 'nationally determined contributions' to the Paris Agreement in the Global South.

- Partnering with, and providing resources (books, maps, advice) to, geoscience institutions in the Global South.

Updates on these activities will be detailed in our 2023 Annual Report (published in 2024), with live updates regularly posted on our website and social media.

H. Further Information

Find the latest GfGD news, events and opportunities to get involved on our website (www.gfgd.org), Facebook (www.facebook.com/gfgd.org), LinkedIn (www.linkedin.com/company/gfgd), and X (formerly known as Twitter) (www.twitter.com/Geo_Dev).

Download this Annual Report and Review from our website (www.gfgd.org/annual-reports).



CHARITY COMMISSION
FOR ENGLAND AND WALES

Geology for Global Development

1165663

Receipts and payments accounts

CC16a

For the period
from

01-Jan-22

To

31-Dec-22

Section A Receipts and payments

	Unrestricted funds to the nearest £	Restricted funds to the nearest £	Endowment funds to the nearest £	Total funds to the nearest £	Last year to the nearest £
A1 Receipts					
Voluntary Receipts (Donations, Legacies and Grants)	4,290		-	4,290	10,050
Investment Dividends/Interest	-	-	-	-	-
Activities for Generating Funds (Fundraising Events)			-	-	472
Charitable Activities	-	-	-	-	-
Other receipts	-	-	-	-	-
Sub total (Gross income for AR)	4,290	-	-	4,290	10,522
A2 Asset and investment sales, (see table).					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total receipts	4,290	-	-	4,290	10,522
A3 Payments					
Costs of Generating Voluntary Receipts	-	-	-	-	-
Fundraising Costs	-	-	-	-	-
Investment Management Costs	-	-	-	-	-
Costs of Charitable Activities	3,177	546	-	3,723	11,994
Governance Costs	-	-	-	-	-
Sub total	3,177	546	-	3,723	11,994
A4 Asset and investment purchases, (see table)					
	-	-	-	-	-
Sub total	-	-	-	-	-
Total payments	3,177	546	-	3,723	11,994
Net of receipts/(payments)	1,113	- 546	-	567	- 1,472
A5 Transfers between funds	-	-	-	-	-
A6 Cash funds last year end	8,107	1,046	-	9,153	10,625
Cash funds this year end	9,220	500	-	9,720	9,153

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
B1 Cash funds	Cash at Bank	9,220	500	-
		-	-	-
		-	-	-
	Total cash funds	9,220	500	-
	(agree balances with receipts and payments account(s))	OK	OK	OK
B2 Other monetary assets	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
	Money pledged to GfGD in 2022, to be paid in 2023	600	-	-
		-	-	-
		-	-	-
		-	-	-
B3 Investment assets	Details	Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
			-	-
B4 Assets retained for the charity's own use	Details	Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
			-	-
B5 Liabilities	Details	Fund to which liability relates	Amount due (optional)	When due (optional)
			-	
			-	
			-	
			-	
Signed by one or two trustees on behalf of all the trustees	Signature	Print Name	Date of approval	
		Nic Bilham	24-Sep-23	
		Kirsty Dawkes	26-Sep-23	

Geoscience for Global Development

England & Wales - Charity number 1165663

Accounts



Geology *for* Global Development

Annual Report and Review 2021



1 NO
POVERTY



2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



4 QUALITY
EDUCATION



5 GENDER
EQUALITY



6 CLEAN WATER
AND SANITATION



7 AFFORDABLE AND
CLEAN ENERGY



8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



13 CLIMATE
ACTION



14 LIFE
BELOW WATER



15 LIFE
ON LAND



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS



Geology for Global Development Supports the Sustainable Development Goals

Registered Charity
Number: 1165663

-- Report and Financial Statements 2021 --

Geology for Global Development

C/O Dr Joel C. Gill, School of Earth and Environmental Science, Cardiff University, Main Building, Park Place, Cardiff, CF10 3AT

Registered Charity: 1165663

Trustees (during reporting period):

Nicholas Bilham (Chair)

Kirsty Dawkes

Florence Bullough

Marie Fleming

Sarah Gordon PhD

Natasha Dowe PhD

OVERVIEW

Geology for Global Development is a registered charity (England and Wales) working to mobilise and reshape the geoscience community to help deliver sustainable and resilient communities, as expressed in the UN Sustainable Development Goals (SDGs). Geoscience is critical to eradicating poverty, reducing inequality, ensuring environmental sustainability, and securing universal and fair access to natural resources (e.g., water), food, energy, education, and healthcare. Geoscience underpins the work needed to ensure current and future generations are resilient to natural hazards, have access to sustainably planned

In 2017, we launched a strategy setting out our priority objectives to support our mission to help deliver the SDGs, with interlinking strands of inspiration, education, action, and leadership. Our work towards these objectives continued through 2021. We initiated new research projects, working with colleagues in the UK and beyond. These include work to explore the geoscience requirements to deliver Kenya's Vision 2030, characterise the training and development needs of hazard professionals in Guatemala, and understanding the barriers that prevent NGOs from using geoscience knowledge to deliver clean water in eastern Africa. We engaged in global policy dialogues around science and sustainable development and participated in COP26, where we were also granted official observer status to the UN Framework Convention on Climate Change. We also continued to invest in our network of University Groups and deliver and share high-quality educational resources, including a textbook.

We celebrated our 10th birthday in 2021 and in September we hosted a webinar with contributions from those involved in different aspects of our work. With attendees from across five continents, it was great to come together and hear positive and inspiring stories of the impact of our work. Planning for the next 10 years is underway, with a strategy to guide our work from 2022 through to 2031 due to be published in Autumn 2022.

Our work through 2021 was made possible through the contributions of many volunteers, input from consultants, the generous support of donors, and valued collaborations with partners. We are particularly grateful to the International Union of Geological Sciences and the UNESCO/ IUGS International Geoscience Program for supporting our activities, to GeStEIN for selecting GfGD as a fundraising partner, and to the University of Hull for partnering with us on a grant-funded project.

Here we set out our charitable objectives (**Section A**) and the strategy agreed in 2017 to help implement these objectives (**Section B**). We proceed to give a report on activities in 2021 (**Section C**) and review how these, with other activities since 2017, have collectively helped deliver our strategic objectives (**Section D**). We present a summary of our governance and management (**Section E**) and an overview of our finances in 2021 (**Section F**). We explain our progress towards improving Equality, Diversity, and Inclusion in our work through 2021 (**Section G**). We then look to the future, with details of events and opportunities in 2022 (**Section H**), and ways you can stay informed about our work (**Section I**).

FROM OUR TRUSTEES

In our previous Annual Report, I reflected on the impacts of the Covid-19 pandemic, both on GfGD and on the outside world, and on the imperative to maintain our focus on the inequalities and the wider nexus of sustainable development challenges that were highlighted by its ramifications. A year on, the pandemic has not gone away, but other critical global challenges, from conflict to the climate emergency, demand our attention ever more loudly. Through all this, the imperative to address the fundamental global challenges captured in the UN Sustainable Development Goals remains as strong as ever, demanding a just transition based on cooperation, embracing a diversity of perspectives, ensuring that marginalised voices are heard, and leaving no-one behind.

As GfGD reaches the end-point of the strategy we set out in 2017, and prepares to launch a new strategy to help us steer through the challenges of the coming decade, it is a good moment to look back as well as forward. So, in this report, we look back not only on the achievements of 2021, but on how our activities have evolved over the past five years, and on what impact they have had. Not everything turned out as we might have initially anticipated – some strands of our work quickly blossomed, while others were redirected as we learned from experience, or have been slower to have demonstrable impact. Unquestionably, GfGD has achieved a great deal, and has gained increasing recognition for its vital role in the geoscience community and more widely.

Developing our new strategy, drawing on this past experience, has been a major priority for GfGD's trustees and executive team throughout 2021 and into 2022. Our mission remains fundamentally the same, but we are excited to share our refocused strategic priorities, and the approach we will take to delivering these. We cannot know what the world will be like in 2031, the envisaged end-point of our new strategy. If the past few years are any guide, some of the global challenges and opportunities we face will be impossible to predict, while others will be all too familiar. But I am confident that our new strategy will equip GfGD to be resilient in an uncertain world, to mobilise and focus the contributions geoscience can make to delivering the UN 2030 Agenda for Sustainable Development, and to help shape whatever succeeds it.

The trustees have been deeply impressed at the skill, dedication and hard work of all those who take part in the many varied activities of GfGD. This is especially true of our voluntary executive team, listed later in this report, led by Executive Director Joel Gill. Without their energy and commitment, none of what GfGD achieves would be possible. We were delighted to welcome some fantastic new members to the team in 2021, and at the time of writing we are working to recruit additional team members to help take forward the new strategy. We were also sorry to lose some much-valued colleagues – we are very grateful for all their work, in some cases over many years. At the risk of singling out just one of this dedicated group, I would particularly like to thank Emily White, who stepped down as Deputy Director late in 2021, for her enormous contribution in various roles over the past decade, and for the thoughtful advice and support she provided to the trustees in recent years.

Nic Bilham
Chair of Trustees

A. CHARITABLE OBJECTIVES

Geology for Global Development, established in 2011, is a registered charity working to mobilise and equip the geology community to prevent and relieve poverty. As stated in our Governing Constitution, *Geology for Global Development* provides public benefit (nationally and internationally) through the following charitable objectives:

- i. **Educational advancement** of the public in general, and particularly amongst geologists, in subjects relating to geology and sustainable development (defined below), in any part of the world. This will be done (in particular, but not exclusively) by means of relevant communications, educational material, training courses, placement opportunities, and by promoting research in all aspects of that subject and publishing the useful results.
- ii. **Poverty prevention and relief**, in any part of the world, by providing grants, equipment and services (in particular but not exclusively education and training in geology) to individuals in need, other charitable organisations, and/or other organisations working to prevent or relieve poverty.

In this context, we note sustainable development to mean ‘*development which meets the needs of the present without compromising the ability of future generations to meet their own needs*’ as defined in the Brundtland Report (1987).

In meeting these objectives, we provide public benefit through advancing education, at all levels, of the role of geology in supporting sustainable development, as well as using geological science to prevent and relieve poverty. In setting our aims for the year and preparing this review, the trustees have given due regard to the Charity Commission guidance on public benefit.

B. STRATEGY

Mission: We exist to champion the role of geology in sustainable development, mobilising and reshaping the geology community to help deliver the UN Sustainable Development Goals (2015–2030).

Long-Term Vision: We see a world where:

- (i) Every geologist is equipped with the skills and understanding required to make a positive contribution to sustainable development;
- (ii) The geology community is actively engaged in the design, implementation, monitoring, and evaluation of international development activities; and
- (iii) Organisations, governments, and individuals have equal access to, and an understanding of, the geoscience required to ensure sustainable development.

We have agreed four **Strategic Objectives** to help realise our vision:

1. **INSPIRATION. Promote the value of geology in supporting sustainable development.** Many people are unaware of the role geology can play in supporting sustainable development. We will work towards greater recognition for, and understanding of, the role of geology in tackling global challenges (e.g., water security, food security, resilience to natural hazards, natural resource management, urbanisation, and climate change).
2. **EDUCATION. Equip geologists to engage positively in sustainable development.** The skills and knowledge required to make an effective and positive contribution to sustainable development are often missing from the traditional education and continued professional development of geologists. We will provide opportunities for geologists to develop these essential skills to best serve the communities that we engage with.
3. **ACTION. Enhance the application of geology to international development.** We will make a high-quality contribution to practical development projects. We will develop and support poverty-fighting programmes in collaboration with other UK-based and international organisations. By the end of 2021 we envisage our work having helped to address six of the UN Sustainable Development Goals, across five different countries.
4. **LEADERSHIP. Exercise international leadership on matters relating to geology and sustainable development.** We seek to be a recognised and trusted voice on ‘geology and sustainable development’, helping to reshape the global geology community to better serve society. We will grow in our international influence, and reputation for excellence in all we do.

To support the delivery of these four strategic objectives, we recognise the need to develop the following aspects of our organisation:

- **Finance:** We will seek a consistent income stream from diverse sources to promote greater financial resilience.
- **Personnel:** We will grow our Board of Trustees to ensure access to relevant experience and professional skills. We will grow our Executive Team to ensure reliable, professional delivery of these strategic objectives. By 2021, we anticipate having transitioned to a paid staff team, working with a growing volunteer community.
- **Infrastructure:** We will explore the benefits and costs of operating out of a permanent headquarters, such as a host geological organisation.

C. ACTIVITIES IN 2021

In seeking to fulfil our objectives and provide broad public benefit, we have undertaken the following charitable activities, expressed through four strategic objectives:

INSPIRATION. PROMOTE THE VALUE OF GEOLOGY IN SUPPORTING SUSTAINABLE DEVELOPMENT.

Highlights from 2021 include:

- **Publications.** We published an edited book on *Geosciences and the Sustainable Development Goals* (www.springer.com/gb/book/9783030388140) in collaboration with the British Geological Survey and involving 42 authors from many countries, including: the UK, Morocco, Mongolia, Italy, the US, Australia, Nepal, Malaysia, Ecuador, the Netherlands, New Zealand, South Korea. The book, an output of 4 years work, provides a detailed overview of the role that the geosciences community can play in implementing all 17 SDGs. While primarily aimed at geoscientists (and including resources to help integrate content into teaching contexts), it also supports others working on specific SDGs to understand why geoscientists are a valuable partner. Complimentary copies of the book were provided to institutes in Kenya, Argentina, the Philippines, and Bangladesh.
- **Presentations and Talks on Geoscience for Sustainable Development.** Representatives of *Geology for Global Development* attended and presented at many events and institutions throughout the year, including the Responsible Raw Materials conference, a roundtable on geoscience and sustainable development organised by the Geological Society of Kenya, the Professional Geoscientists Ontario Symposium (Canada), and at the Pardee Keynote Symposium, GSA Connects (USA).
- **Website.** We continued to add new resources to our website (www.gfgd.org) – acting as an information hub for those wanting to learn more about geoscience and sustainable development.

EDUCATION. EQUIP GEOLOGISTS TO ENGAGE POSITIVELY IN SUSTAINABLE DEVELOPMENT

Highlights from 2021 include:

- **University Groups.** These affiliated groups, run by student volunteers known as Ambassadors, engage students and academics with our charitable work through seminars, discussion groups and other activities. At the end of 2021, groups were active or being initiated in the Universities of Bristol, Cambridge, Cardiff, Durham, Aberdeen, Southampton, Liverpool, Manchester, Oxford, Imperial College London, and University College London (UCL). Examples of University Group activities in 2021 include:
 - **Talks from Industry and Academia:** A variety of talks were put on by Ambassadors throughout the year. For example, GfGD Cardiff hosted talks with Lucy Crane

(Cornish Lithium) to discuss the vital role minerals play in our day to day lives, Catherine Leech (Cardiff PhD student) on the effects of turbines in tidal range energy schemes, and Ben Lepley (Environmental Consultant at SRK) on sustainable development licenses. Imperial GfGD invited Professor Martin Blunt to discuss Carbon Capture and Storage and the Energy Transition. Durham GfGD invited Graham Bennett (VP and Head of UK Energy Transition) to talk about the outlook to 2050 for energy supply and demand, Richard Lagesse (Senior Engineering Geologist, Arup) discussing the role of engineering geology in delivering the SDGs, and Professor Jon Gluyas (University of Durham) on the sustainable use of Earth's energy and resources.

- **Fundraising:** In February 2021, the GfGD University Group at Liverpool raised £550 for the charity through their annual Herdman Symposium.
- **Mapathons:** During a mapathon a group of people get together (in person, or virtually) to use satellite imagery to add valuable digital information to OpenStreetMap in poorly mapped areas. Southampton, Durham, Cardiff, and Liverpool GfGD groups hosted multiple mapathon sessions throughout the year.
- **Other Events:** GfGD Ambassadors helped promote the work of GfGD through stalls at freshers' events, social media engagement (e.g., GfGD Cardiff used this to promote discussion around each SDG), and contributions to blog articles.
- **Geoscience Education for Sustainable Development in Kenya.** Collaborating with partners in the UK and Kenya, we initiated a research programme to explore opportunities to strengthen geoscience education for sustainable development, and support delivery of Kenya's Vision 2030. The project team compiled a database of tertiary geoscience courses offered by Kenyan universities and thematically analysed Kenya's Vision 2030, the country's primary sustainable development strategy. Comparing these datasets, we discovered gaps in available geoscience higher education that will be required to provide the skills needed for delivery of Vision 2030. The team additionally characterised the current geoscience workforce and conducted interviews with stakeholders, allowing us to make concrete recommendations for strengthening the available geoscience educational opportunities. Based on the results of this work, in conversation with stakeholders, and aligned with the project's theory of change, our recommendations included strengthening and supplementing

ACTION. ENHANCE THE APPLICATION OF GEOLOGY TO INTERNATIONAL DEVELOPMENT

Highlights from 2021 include:

- **Water Management in Eastern Africa.** Working with a Ugandan national and MSc student at Cranfield University (UK), Brenda Wagaba, we initiated a new project exploring how NGOs working on water projects in eastern Africa access and use geoscience information and experts. Brenda's thesis provides important context for understanding the barriers, and

enabling factors, to the use of geoscience data and expertise. Informed by 44 responses to an online survey and 16 in-depth interviews of stakeholders, Brenda identified barriers such as bureaucratic hurdles, incomplete and outdated datasets, and lack of understanding of what data could be beneficial to access. The research revealed that working with experts was hindered due to prohibitive hiring costs and expert availability, with donor restrictions on funding and timing also an obstacle to the integration of geoscience data and expertise into water and WASH projects. Based on these results, Brenda has suggested a framework for addressing the major barriers. GfGD and Cranfield University will continue to collaborate to further understand these challenges and innovate solutions by engaging with key stakeholders. To support Brenda's professional development, GfGD sponsored her attendance at Loughborough University's 42nd Water Engineering and Development Centre International Conference in September 2021.

- **Disaster Risk Management in Guatemala.** We commenced research to characterise the professional geohazards community in Guatemala, and explore training and development opportunities and gaps for natural hazard scientists working in the region. This work, conducted by Dr Ailsa Naismith, will continue through 2022 and guide our future engagement in the region.
- **Bond Network of International Development Organisations.** We engaged with this network of development organisations. We provided support to letters sent to Government Ministers, joined meetings of the Sustainable Development Goals working group, and benefitted from training opportunities provided by Bond. Our involvement helped us to better understand NGO requirements for geological information in international development, and communicate this with the broader geoscience community.

LEADERSHIP. EXERCISE INTERNATIONAL LEADERSHIP ON MATTERS RELATING TO GEOLOGY AND SUSTAINABLE DEVELOPMENT.

Highlights from 2021 include:

- **Engaging in UN Forums on Sustainable Development.** Three key contributions to UN processes focused on sustainable development are:
 - In advance of the **High-Level Political Forum on Sustainable Development**, we contributed to the Scientific and Technological Major Group's Position Paper. Setting out ways to advance progress on the SDGs through the 'Decade of Action' while living with the COVID-19 pandemic, our input advocates for greater collaboration between Earth scientists, ecologists, and health professionals, making clear the link between geodiversity and public health. We also express our support for the work of UNESCO Global Geoparks, and advocate for governments to endorse the creation of an International Geodiversity Day.
 - We contributed to the **UN Forum on Science, Technology and Innovation for the SDGs**, with an invited written statement contributed to the session on '*ending poverty and hunger, enhancing human well-being, and building resilience*'. In our submission, we emphasised the importance of geoscience education and the need to characterise and value geodiversity to improve health and strengthen resilience.

- We responded to a call for inputs to the **UN Global Sustainable Development Report 2023**, building on our previous engagement with the 2019 report. This flagship report of the UN, published every four years, documents and describe the landscape of policy-relevant science for achieving sustainable development.
- **Engaging in UN Forums on Climate Change.** At the start of COP26, we secured formal observer status to the UN Framework Convention on Climate Change (UNFCCC), improving access to Earth science expertise in this, and future, international climate negotiations. A delegation from GfGD attended COP26, where we met with officials from government, civil society, and intergovernmental organisations. Using two new published resources, we highlighted the need to invest in and work with Earth scientists if we are to meet the ambitions of the Paris Agreement.

ORGANISATIONAL PARTNERSHIPS

In 2021, we partnered with a range of organisations to deliver the activities above and advance our charitable objectives.

- **International Union of Geological Sciences (IUGS).** We are an affiliated organisation of the IUGS. In 2021, we received a grant of £2825 to support our work.
- **UNESCO/IUGS International Geoscience Program.** We are a partner organisation on [International Geoscience Programme Project 685](#), which provided funds to support our engagement at COP26.
- **University of Hull.** We received funding from the University of Hull to advance research on geoscience education for sustainable development in Kenya. This project included collaboration with the researchers at the University of Hull (UK), the University of Nairobi (Kenya), Kenyatta University (Kenya), and Sheffield Hallam University (UK).

SUMMARY

These activities demonstrate the positive impact of *Geology for Global Development*, with respect to our two primary charitable objectives.

- **Educational Advancement.** Many of our activities promoted the role of geology in sustainable development to diverse audiences both in the UK and overseas. Our engagement with the geological science and sustainable development communities (through conferences, online consultations, engagement in universities, and publication of resources) has helped to increase awareness of how geoscientists can make a positive contribution to sustainable development. We initiated research relating to challenges affecting communities in eastern Africa and Central America, with projects providing learning and development opportunities for students and early-career scientists. Our social media content and publications helped to raise public awareness of why geological science

matters when implementing sustainable development activities. Our work helps to train geologists to better serve the public, by improving professional practices (e.g., partnership and capacity building, ethics and integrity) relating to the application of geology to sustainable development.

- **Poverty Prevention and Relief.** We engaged in programmes aiming to enhance education for sustainable development and responsible management of natural resources. Work on improving water provision and resilience to environmental shocks (e.g., volcanic eruptions) was initiated. Our activities help to prevent and relieve poverty by connecting a more socially-aware geoscience community engaged in sustainable development activities with partners including NGOs and government agencies.

D. PROGRESS TOWARDS STRATEGIC OBJECTIVES

We have been working towards our four strategic objectives since 2017, summarised by the words '**inspiration, education, action, and leadership**'. We recognise that the four objectives below interrelate, and progress in one can reinforce another.

As set out in successive annual reports since then, we have delivered high-quality, impactful activities aligned to these. By building relationships with valued, international partners, we come to the end of this strategy period working in spaces that previously lacked a voice for geoscience. As we prepare to set out the priorities that will shape our work over the next 5 to 10 years, here we reflect on our primary achievements and what they mean for us as an organisation and our charitable objectives.

Strategic Objective 1:

Promote the value of geology in supporting sustainable development

Stated Ambition: Work towards greater recognition for, and understanding of, the role of geology in tackling significant global challenges (e.g., water security, food security, resilience to natural hazards, natural resource management, urbanisation, and climate change).

Progress since 2017:

Delivering against this objective required extensive engagement with different stakeholders - from across the geoscience community and beyond. Through diverse publications, conferences, and other activities we were at the forefront of efforts to grow understanding of the role of geology in the UN Sustainable Development Goals. An early academic article on 'Geology and the SDGs', published in the IUGS journal 'Episodes' In 2017, had more than 17,000 people access it on one site alone. From this paper, we were commissioned to manage a book project involving 42 authors from across six continents. '*Geosciences and the Sustainable Development Goals*' was accessed more than 10,000 times in its first 15 months and is being used in diverse teaching contexts.

These two 'flagship' publications sit alongside hundreds of blog articles, dozens of presentations at events around the UK and beyond, and many other journal articles, briefing notes, and collaborative reports published since 2017. Together with our web presence and social media

engagement, they have contributed to a much broader understanding of the value of geology in supporting sustainable development. This is evidenced by the inclusion of the SDGs in academic modules relating to the geosciences, as well as in other organisational communications and strategies. Our article on 'Geology and the SDGs' was quoted at the open session of the UNESCO IGCP Council meeting in 2019 as informing the refocusing of IGCP activities.

Recognition of the importance of geodiversity, and the need to raise awareness of why it is important, was instrumental in UNESCO also declaring 6 October as International Geodiversity Day. We were one of 17 international organisations supporting this proposal, joining with 84 national organisations from 41 countries.

Strategic Objective 2:

Equip geologists to engage positively in sustainable development

Stated Ambition: Recognising that the skills and knowledge required to make an effective and positive contribution to sustainable development are often missing from the traditional education and continued professional development of geologists, we desired to provide opportunities for geologists to develop them to better serve the communities they engage with.

Progress since 2017:

We organised three conferences since 2017, each including dialogue on the content- and skills-based knowledge required to contribute to implementation of the SDGs. On themes of water (SDG 6), cities (SDG 11), and health (SDG 3), each gathered more than 100 people (mainly students) with overwhelmingly positive feedback. Our engagement with students in other contexts - most notably through our network of University Groups - means thousands of students across dozens of institutes have had an opportunity to reflect on how we can contribute to sustainable development and do so in an ethical and effective way.

Recognising the increasing demand for the inclusion of sustainability concepts in the training of geoscientists, and the impact of Covid-19 on the means of delivering learning resources, in 2020 we published a fully open-access module on 'Geoscience and Sustainable Development'. The module includes eight classes, collectively helping learners to understand how geoscience knowledge can contribute to understanding and tackling sustainability challenges and develop complementary skills to strengthen their own engagement in relevant activities (e.g., science diplomacy, context mapping, policy engagement). This project was supported by the International Union of Geological Sciences (IUGS) and the UNESCO/IUGS International Geoscience Programme Project 685.

Strategic Objective 3:

Enhance the application of geology to international development

Stated Ambition: Make a high-quality contribution to practical development projects, develop and support poverty-fighting programmes in collaboration with other UK-based and international organisations. Help address six of the SDGs, across five different countries.

Progress since 2017:

Our expectations of the activities we would undertake to deliver this objective shifted early in the strategy period. Initially expecting to be involved in the design and delivery of local-scale development projects (e.g., the implementation of a clean water project in rural Tanzania), it was soon apparent that the best use of our resources (including financial, expertise, networks) was to invest in research and capacity strengthening. Aligned with our strategic priorities, these projects were (i) pro-poor, (ii) collaborative, and (iii) focused on addressing one or more SDGs. Examples include:

- Research on *'geoscience education for sustainable development'* in **Kenya** supports efforts to address **SDG 4** (targets 4.4 and 4.7) by building understanding of the skills required for future employment and the promotion of sustainable development.
- Research on water management in **eastern Africa** (particularly **Tanzania** and **Uganda**), supports efforts to address **SDG 6** (target 6.1), universal and equitable access to safe and affordable drinking water for all. Working in collaboration with small NGOs in the region, information is informing practice and shaping the design of our future activities.
- Our approach to projects contributes to a strengthened national capacity in many contexts, an ambition of **SDG 9** (target 9.5). This was done by funding postgraduate-level research and networking opportunities by those from **Malawi, Uganda, and Kenya**, supporting scientific conferences in **Guatemala**, and providing resources to institutions in **Bangladesh, Kenya, Zambia, Sierra Leone, Tanzania, and India**. On scientific publications we worked with collaborators in (amongst others) **Morocco, Mongolia, Nepal, Malaysia, Ecuador, Zambia, and Kenya**. Our approach has contributed to North-South and South-South cooperation on and access to science, described in **SDG 17** (target 17.6).
- Through the support of scientific research and conferences in **Guatemala**, relating to disaster risk reduction, we also contribute to the implementation of the Sendai Framework for Disaster Risk Reduction (referenced in **SDG 11** (target 11.5 / 11.b)).

In the coming years, we hope to build on and scale up some of these projects to catalyse greater impact, and achieve and exceed the levels of ambition stated in 2017.

Strategic Objective 4:

Exercise international leadership on matters relating to geology and sustainable development

Stated Ambition(s): Become a recognised and trusted voice on *'geology and sustainable development'*, helping to reshape the global geology community to better serve society, grow in our international influence, and have a reputation for excellence in all we do.

Progress since 2017:

Through the delivery of high-quality products (as set out above) we established a global reputation as being knowledgeable on matters relating to geology and sustainable development, and generous with that knowledge. We prioritised publishing articles in open-access formats, and where this was not possible proactively distributed copies to institutions in the Global South. For example, we

sent copies of our '*Geosciences and the SDGs*' book to individuals and institutions in Kenya, the Philippines, and Bangladesh.

In 2017, we secured affiliated status to the *International Union of Geological Sciences*. Since then we have advised and worked with a range of international geoscience unions and national geological societies (in both the Global North and South), using our understanding of the SDGs to enrich their own outputs and processes. Asked by *The Geological Society of London* to inform and review a poster on geosciences and the SDGs, this well-received output has now been translated into more than 20 languages.

We are at the forefront, amongst geoscience organisations, of international conversations around science and sustainable development. In 2017, we did not expect or plan to engage in UN processes and mechanisms, but it soon became apparent that there was a significant gap in terms of engagement by the geoscience community. Working with relevant UN Major Groups to amplify our messages, we contributed to three UN-level Forums on Science, Technology, and Innovation for the SDGs (convening the first Earth science focused side event), the High-Level Political Forum on Sustainable Development, and the Conference of the Parties to the *UN Framework Convention on Climate Change* (UNFCCC). In 2021, we were formally accepted as an observer organisation to the UNFCCC and were recently granted special consultative status with the *UN Economic and Social Council* (ECOSOC). Through engaging at this level, we ensured text around the value of geodiversity was included in the Scientific and Technological Major Group position paper for the 2021 High Level Political Forum, and key messages about environmental education were embedded into the formal meeting report of the UN Forum on Science, Technology and Innovation for the SDGs.

Our Journey to Impact

We are confident that, as a result of our work, there is greater recognition for, and understanding of, the role of geology in tackling significant global challenges both within and beyond the geosciences community. This change in knowledge, together with new skills, supports the wider geoscience community to make their own contribution to practical development projects (through diverse jobs), tackling the scourge of poverty and diverse inequalities. The impact on implementation of the SDGs of a mobilised and equipped community will always exceed what we - as one organisation of volunteers - can do directly.

Through our approach, expertise, and presence in global forums and networks, we have rapidly become a recognised and trusted voice on '*geology and sustainable development*', with a demonstrated commitment to reshaping the global geology community to better serve society. We recognise, however, that there is still much to do to leverage maximum impact from the work we have initiated, and many barriers to the use of geoscience information that hinders deliver of the SDGs. We look forward to continuing our work to address these issues through our new strategy over the coming decade and hope you will partner with us to achieve this.

E. GOVERNANCE AND MANAGEMENT

BOARD OF TRUSTEES: Trustees have been appointed to oversee and guide our work, in accordance with our Governing Document (based on the Charity Commission's 'Foundation' model constitution for a Charitable Incorporated Organisation whose only voting members are its charity trustees).



NIC BILHAM (CHAIR OF TRUSTEES)

Nic is a consultant working on sustainable mineral supply chains and responsible sourcing of raw materials, before which he worked at the *Geological Society of London*. Nic is European Coordinator for the *International Association for Promoting Geoethics*.



KIRSTY DAWKES

Kirsty has an MSci in Geological Sciences and is a Chartered Geologist through the *Geological Society of London*. She currently works in the energy sector, with international engagement.



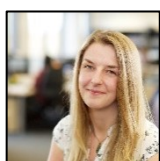
MARIE FLEMING

Marie is an Engineering Geologist at *Arup*, based in Ireland. She is a former president of the *Institute of Geologists of Ireland*, and a member of the External Relations committee of the *Geological Society of London*.



FLO BULLOUGH

Flo has an MSci in Geology from *Imperial College London* and a background in geochemistry research, contaminated land and groundwater. She has expertise in policy, until recently working for the *Geological Society of London*.



NATASHA DOWEY

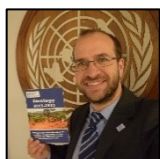
Natasha lectures in physical geography at *Sheffield Hallam University*, with specialisms in hazards, volcanoes, and igneous geology. Her research into the uncertainty involved in studying rocks formed in explosive eruptions aims to improve understanding of volcanic hazards.



SARAH GORDON

Sarah is a geologist and a co-founder of the risk management company, *Satarla*. She has previously worked for *Anglo American*, which has taken her to live and work around the world, and has a PhD in the chemistry of meteorites from *Imperial College London*.

TEAM: Day-to-day responsibility for the running of the charity is delegated to a volunteer Executive Director of *Geology for Global Development*, working alongside a Senior Leadership Team (indicated with an asterisk * below) and a wider team of volunteers. With both additions and resignations through 2021, those involved in some capacity through 2021 are noted below:



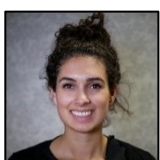
JOEL GILL (EXECUTIVE DIRECTOR*)

Joel founded *Geology for Global Development* in 2011 and has overall responsibility for the leadership and management of GfGD, overseeing the implementation of our strategy and day-to-day operations.



VIKI O'CONNOR (BUSINESS DEVELOPMENT AND FUNDRAISING LEAD*)

[Appointed in 2021] Viki leads our business development and fundraising activities, and supports our financial planning and management.



SABRINA JAMES (BUSINESS DEVELOPMENT ASSISTANT)

[Appointed in 2021] Sabrina supported various administrative tasks through 2021, with a growing focus on supporting our business development activities.



EMILY WHITE (DEPUTY DIRECTOR AND NETWORKS LEAD*)

[Stepped down in 2021] Emily led our GfGD University Group network, acting as the link between these groups and the GfGD leadership.



ALLIE MITCHELL (INDUSTRY LEAD)

[Stepped down in 2021] Allie led our *Network of Professionals* and helped us to engage with industry.



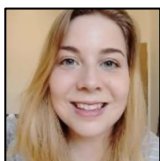
SEAN RUFFELL (UNIVERSITY GROUPS ASSISTANT / STUDENT NETWORK COORDINATOR)

Sean supports our GfGD Student Ambassador Network, helping students to engage with activities that align with GfGD's core values.



HANNAH HILBERT-WOLF (RESEARCH AND ANALYSIS LEAD*)

[Appointed in 2021, Stepped down in 2022] Hannah led the Research Team, which develops and coordinates a program of impact-focused research.



LAURA HUNT (RESEARCH ASSISTANT, IMPACT)

[Stepped down in 2022] Laura helped design and deliver research to understand the impact of GfGD's activities.

**LAURA ROBERTS-ARTAL (COMMUNICATIONS LEAD*)**

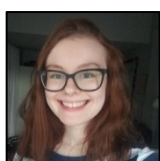
Laura has responsibility for developing and managing our portfolio of communications.

**JESSE ZONDERVAN (CONTENT EDITOR)**

Jesse supports communication and outreach through his editorial role in the written work of GfGD.

**RACHEL ONG (GRAPHIC DESIGN ASSISTANT)**

[Appointed in 2021] Rachel supports our communications work and wider team by designing graphics for GfGD's social media, reports and other outputs.

**ANNA LEPPÄNEN (SOCIAL MEDIA ASSISTANT)**

[Appointed in 2021, stepped down in 2022] Anna supported our communications work and wider team by managing and expanding our social media presence.

F. FINANCIAL OVERVIEW

The accounts below document financial activity (income and expenditure) that occurred in 2021 and 2020. The Statement of Financial Activities is calculated on a cash basis. The Balance Sheet shows total funds including non-cash assets and liabilities. For full details of activity in 2016 to 2020, please refer to previous GfGD Annual Reports (www.gfgd.org/annual-reports).

Key observations include:

- **[Unrestricted Income]** £10522 is labelled as unrestricted income and can be used to support the full portfolio of our work. This income was raised through grants, personal donations, and fundraising activities. We are particularly grateful to the International Union of Geological Sciences (IUGS), the UNESCO/IUGS International Geoscience Programme Project 685, GeStEIN, and the University of Hull for their support. A further donation of £714 was pledged in 2021, to be paid to GfGD in early 2022. This is included below as a sum of £714 in the Balance Sheet, under *Debtors: Due in One Year*. At the time of publication, this sum has been received.
- **[Restricted Income]** No restricted income was received in 2021.
- **[Expenditure from Unrestricted Income]** £11694 is labelled as expenditure using our unrestricted income. This was used exclusively to support our charitable activities (described in detail in **Section C**).

- **[Expenditure from Restricted Income]** £300 is labelled as expenditure using our restricted income. Drawing on funds for work to increase resilience to volcanic hazards in Guatemala, this payment supported a research project to help characterise the training and development needs of hazard scientists in the region (described in detail in **Section C**).

In 2021, the net movement in *unrestricted* funds (including non-cash assets and liabilities, as set out on the Balance Sheet) was therefore -£458. The total net movement in funds (including both *unrestricted* and *restricted* funds) was -£758.

Our Charity Reserves Policy, agreed in 2018, sets an ambition to ensure free reserves of six to nine months operational costs (or 50 to 75%). Based on budgeted expenditure of approximately £15,850 in 2022, this equates to £7925 to £11888. At the end of 2021, based on our balance sheet, our free reserves stood at £8821. Equivalent to 56% of our budgeted expenditure in 2021, this is within the range set out in our Charity Reserves Policy.

Many of our activities were delivered through the dedication of a team of volunteers. We are very grateful to all those who gave their time in 2021 to help realise our charitable objectives.

GfGD STATEMENT OF FINANCIAL ACTIVITIES (AS AT 31 DECEMBER 2021)

	Unrestricted Funds (£)	Restricted Funds (£)	Total 2021 (£)	Total 2020 (£)
Income and endowments from:				
Donations and legacies	10,050	--	10,050	8136
Activities for Generating Funds (Fundraising Events)	472	--	472	454
Charitable activities	--	--	--	--
Other trading activities	--	--	--	--
Investment income	--	--	--	--
Total Income	10,522	--	10,522	8590
Expenditure on:				
Costs of Generating Voluntary Receipts	--	--	--	--
Raising funds	--	--	--	--
Investment Management Costs	--	--	--	--
Charitable activities	(11,694)	(300)	(11,994)	(3660)
Governance Costs	--	--	--	(144)
Total Expenditure	(11,694)	(300)	(11,994)	(3804)
Surplus/(Deficit) of income over expenditure	(1172)	(300)	(1472)	4786
Net gains/(losses) on investments	--	--	--	--
Net income/(expenditure)	(1172)	(300)	(1472)	4786
Transfers between funds	--	--	--	--
Net movement in funds	(1172)	(300)	(1472)	4786
Reconciliation of funds				
Total funds brought forward	9279	1346	10625	5839
Total funds carried forward	8107	1046	9153	10625

BALANCE SHEET (AS AT 31 DECEMBER 2021)

	2021 (£)	2020 (£)
Fixed Assets		
Tangible Assets	--	--
Investments	--	--
Total Fixed Assets	--	--
Current Assets		
Debtors: Due in one year	714 ¹	--
Debtors: Due after one year	--	--
Cash at Bank and in hand	9153	10625
Total Current Assets	9867	10625
Current Liabilities		
Creditors due within one year	--	--
Net current assets	9867	10625
Total assets less current liabilities	9867	10625
Funds		
Unrestricted Funds	8821	9279
Restricted Funds ²	1046	1346
Total Funds	9867	10625

CASH FLOW STATEMENT (AS AT 31 DECEMBER 2021)

	2021 (£)	2020 (£)
Cash flows from operating activities:		
Net cash provided by operating activities	(1472)	4786
Cash flows from investing activities:		
Net cash provided by investing activities	--	--
Cash flows from financing activities:		
Net cash provided by financing activities	--	--
Change in cash and cash equivalents in the reporting period	(1472)	4786
Cash and cash equivalents at the beginning of the reporting period	10625	5839
Change in cash and cash equivalents due to exchange rate movements	--	--
Cash and cash equivalents at the end of the reporting period	9153	10625

¹ Income pledged in 2021 but to be received in 2022.

² Money raised for a project building resilience to volcanic hazards in Guatemala.

G. EQUALITY, DIVERSITY, AND INCLUSION (EDI)

In our 2020 annual report, we recognised the need to listen, learn, and implement change where needed to help deliver a more diverse and inclusive geoscience community. Being accountable to both our supporters and beneficiaries, we note below some of our work on EDI in 2021:

- *Strengthening Training:* We implemented mandatory safeguarding training in 2021, supporting the team to identify and know how to report all forms of harm, exploitation, and abuse. Our CEO also completed an extended training course on safeguarding in international development contexts.
- *Improving Recruitment Processes:* We ensured our recruitment processes followed good practice in terms of transparency and inclusivity. We increased the number of applications from outside of the UK and are now taking steps to build on this, translate this into recruitment and retention of team members from outside of the UK, and improve the diversity of our team.
- *Supporting Research Projects:* We supported (in kind) research projects aiming to improve the diversity and inclusivity of the geoscience community.
- *Funding Decisions:* We reviewed the extent to which our bursaries are accessed by those in and/or from the Global South. In 2021, 68% of placement funding/bursaries went to this group, and 31% of our consultancy funding.

Our work to improve monitoring of EDI within GfGD, taking actions where needed, and support the wider geoscience community to be a more equal, diverse, and inclusive environment continues through 2022.

H. LOOKING TO THE FUTURE

In 2022, we will launch our new strategy, focused on supporting implementation of the UN 2030 Agenda for Sustainable Development by delivering high quality and impact-driven research, engaging in international policy mechanisms, and supporting education and capacity strengthening at all levels. This will be detailed in our 2022 Annual Report (published in early 2023), together with activities on our social media. Live updates will be made available on our website and social media.

I. FURTHER INFORMATION

Find the latest GfGD news, events, and opportunities to get involved on our website (www.gfgd.org), Facebook (www.facebook.com/gfgd.org), LinkedIn (www.linkedin.com/company/gfgd/), and Twitter (www.twitter.com/Geo_Dev).

Download this Annual Report and Review from our website (www.gfgd.org/annual-reports).



CHARITY COMMISSION
FOR ENGLAND AND WALES

Geology for Global Development

1165663

Receipts and payments accounts

CC16a

For the period
from

01-Jan-21

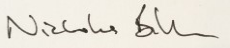
To

31-Dec-21

Section A Receipts and payments

	Unrestricted funds to the nearest £	Restricted funds to the nearest £	Endowment funds to the nearest £	Total funds to the nearest £	Last year to the nearest £
A1 Receipts					
Voluntary Receipts (Donations, Legacies and Grants)	10,050		-	10,050	8,136
Investment Dividends/Interest	-	-	-	-	-
Activities for Generating Funds (Fundraising Events)	472		-	472	454
Charitable Activities	-	-	-	-	-
Other receipts	-	-	-	-	-
Sub total (Gross income for AR)	10,522	-	-	10,522	8,590
A2 Asset and investment sales, (see table).					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total receipts	10,522	-	-	10,522	8,590
A3 Payments					
Costs of Generating Voluntary Receipts	-	-	-	-	-
Fundraising Costs	-	-	-	-	-
Investment Management Costs	-	-	-	-	-
Costs of Charitable Activities	11,694	300	-	11,994	3,660
Governance Costs	-	-	-	-	144
Sub total	11,694	300	-	11,994	3,804
A4 Asset and investment purchases, (see table)					
	-	-	-	-	-
Sub total	-	-	-	-	-
Total payments	11,694	300	-	11,994	3,804
Net of receipts/(payments)	- 1,172	- 300	-	- 1,472	4,786
A5 Transfers between funds	-	-	-	-	-
A6 Cash funds last year end	9,279	1,346	-	10,625	5,839
Cash funds this year end	8,107	1,046	-	9,153	10,625

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
B1 Cash funds	Cash at Bank	8,107	1,046	-
		-	-	-
		-	-	-
	Total cash funds	8,107	1,046	-
	(agree balances with receipts and payments account(s))	OK	OK	OK
B2 Other monetary assets	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
	Money pledged to GfGD in 2021, to be paid in 2022	714	-	-
		-	-	-
		-	-	-
B3 Investment assets	Details	Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
B4 Assets retained for the charity's own use	Details	Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
B5 Liabilities	Details	Fund to which liability relates	Amount due (optional)	When due (optional)
			-	
			-	
			-	
Signed by one or two trustees on behalf of all the trustees		Signature	Print Name	Date of approval
			Nic Bilham	18-Sep-22
			Kirsty Dawkes	20-Sep-22

Geoscience for Global Development

England & Wales - Charity number 1165663

Accounts



**Geology
for
Global
Development**

Annual Report and Review 2020



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



Geology for Global Development Supports the Sustainable Development Goals

Registered Charity
Number: 1165663

-- Report and Financial Statements 2020 --

Geology for Global Development
8 Hathern Road, Shepshed, LE12 9RP
Registered Charity: 1165663

Trustees (during reporting period):

Nicholas Bilham (Chair)

Kirsty Dawkes

Florence Bullough

Marie Fleming

Sarah Gordon PhD (*appointed April 2020*)

Natasha Dowey PhD (*appointed April 2020*)

Joel Gill PhD (*retired April 2020*)

OVERVIEW

Geology for Global Development is a registered charity (England and Wales) working to mobilise and reshape the geoscience community to help deliver sustainable and resilient communities, as expressed in the UN Sustainable Development Goals (SDGs). Geoscience is critical to eradicating poverty, reducing inequality, ensuring environmental sustainability and securing universal and fair access to natural resources (e.g., water), food, energy, education and healthcare. Geoscience underpins the work needed to ensure current and future generations are resilient to natural hazards, have access to sustainable and planned urban environments, and respond decisively to global environmental change. Many of these themes are captured within the SDGs, aiming to transform societies globally, leaving no one behind.

In 2017, we launched a strategy setting out our priority objectives to support our mission to help deliver the SDGs, with interlinking strands of inspiration, education, action, and leadership. Our work towards these objectives, while needing to respond to the pressures of COVID-19, continued through 2020. We continued to invest in our network of University Groups, developed a set of open-access learning resources for higher education contexts, responded to global development consultations, and initiated research on geoscience education for sustainable development in the Global South.

2020 was a year in which the ongoing injustice of racism rightly received global attention. To achieve our mission, for our science to thrive, and to serve society effectively, we need a diverse and inclusive geoscience community, free of all forms of discrimination and abuse (including racism). Our primary responsibility is to ensure we are listening, learning, implementing change where needed, and being accountable to our supporters and beneficiaries. In 2020, we welcomed the Action Plan set out in the Anti-Racism Plan for The Geosciences (www.change.org/p/geoscientists-call-for-a-robust-anti-racism-plan-for-the-geosciences), and the constructive way it guides organisations such as ours to do things differently and better. Through 2021, we are reviewing our structures, activities, and policies, and evaluating what we need to do to be a strong and effective ally to those affected by injustices, including racism. We will report back on this work in future Annual Reports to ensure accountability to our stakeholders.

Our work through 2020 was made possible through the hard work of a volunteer team, the generous support of donors, and valued collaborations with partner organisations. We are particularly grateful to the International Union of Geological Sciences and the UNESCO/IGCP International Geoscience Program for supporting our activities, and to the many individuals who donated to support our work during the Responsible Raw Materials conference.

Here we set out our charitable objectives (**Section A**) and the strategy agreed in 2017 to help implement these objectives (**Section B**). We proceed to give a report on activities through 2020 (**Section C**), our governance and management (**Section D**) and present an overview of our finances (**Section E**). We then look to the future, with details of events and opportunities in 2021 (**Section F**), and ways you can stay informed about our work (**Section G**).

FROM OUR TRUSTEES

The COVID-19 pandemic made 2020 a year like no other. It seems trite to say that, as for so many organisations, it has disrupted GfGD's plans and activities. Indeed, faced with such an urgent global crisis, the grief and suffering it has caused and the need for a single-minded and coordinated worldwide response could easily 'crowd out' other global challenges, seeming to diminish the significance of an organisation like ours. Yet the impacts of the pandemic have highlighted the interconnectedness of our world and of the sustainability challenges that we face, from the fragile supply chains on which we all depend to the intersections of multiple risks and vulnerabilities affecting the most impoverished communities. The geosciences have a fundamental part to play in building interdisciplinary, culturally sensitive solutions to many of these challenges.

GfGD's trustees have been deeply impressed at how the whole GfGD community has responded to these rapidly changing circumstances – from the executive team to the wider network of students and other volunteers who put their time, expertise and passion into our activities. Their willingness and ability to reshape our programmes and how we deliver them at short notice have ensured that we continue to advance GfGD's aims, while responding to the changing needs of the geoscience and development communities. This was exemplified by an excellent new suite of online educational resources, conceived and developed over the summer and completed in time for the new academic year, thanks to agile redeployment of time and funds from planned activities that had to be shelved, and the inspiring commitment of all the team members involved.

The core GfGD team has continued to grow and develop. We welcomed Sarah Gordon and Natasha Dowey as new trustees in 2020, while Joel Gill stepped down from the board of trustees to focus on his role as Director, leading and developing the executive team. A key objective for the trustees in 2020, working with Joel and the executive team, was to start the development of our next five-year strategy, which will be completed and launched in 2021. For me, the unanticipated events of 2020 and our ability to respond to them have reinforced how fundamental GfGD's ethical values are to its work and its future development – and that how we work among ourselves and with others, with kindness and respect, is as important as what we set out to do. There are great opportunities ahead, as well as challenges, if the geoscience community is truly to help build a more sustainable and equitable global future. We hope that GfGD's ambitious new strategy will inspire excitement about these opportunities.

Nic Bilham

Chair of Trustees

A. CHARITABLE OBJECTIVES

Geology for Global Development, established in 2011, is a registered charity working to mobilise and equip the geology community to prevent and relieve poverty. As stated in our Governing Constitution, *Geology for Global Development* provides public benefit (nationally and internationally) through the following charitable objectives:

- i. **Educational advancement** of the public in general, and particularly amongst geologists, in subjects relating to geology and sustainable development (defined below), in any part of the world. This will be done (in particular, but not exclusively) by means of relevant communications, educational material, training courses, placement opportunities, and by promoting research in all aspects of that subject and publishing the useful results.
- ii. **Poverty prevention and relief**, in any part of the world, by providing grants, equipment and services (in particular but not exclusively education and training in geology) to individuals in need, other charitable organisations, and/or other organisations working to prevent or relieve poverty.

In this context, we note sustainable development to mean ‘*development which meets the needs of the present without compromising the ability of future generations to meet their own needs*’ as defined in the Brundtland Report (1987).

In meeting these objectives, we provide public benefit through advancing education, at all levels, of the role of geology in supporting sustainable development, as well as using geological science to prevent and relieve poverty. In setting our aims for the year and preparing this review, the trustees have had regard to the Charity Commission guidance on public benefit.

B. STRATEGY

In 2017, we set out a five year strategy to work towards the charitable objectives in **Section A**. The mission, vision and objectives below align with our charitable purposes and ensure the public benefit we bring is well-focused. Embedded within this strategy are our core values of ethical engagement and respectful partnerships. These values are articulated within the Cape Town Statement on Geoethics, of which we are a signatory. In our 2017–2021 annual reports we set out our activities and achievements relating to the objectives noted below.

Mission: We exist to champion the role of geology in sustainable development, mobilising and reshaping the geology community to help deliver the UN Sustainable Development Goals (2015–2030).

Long-Term Vision: We see a world where:

- (i) Every geologist is equipped with the skills and understanding required to make a positive contribution to sustainable development;

- (ii) The geology community is actively engaged in the design, implementation, monitoring, and evaluation of international development activities; and
- (iii) Organisations, governments and individuals have equal access to, and an understanding of, the geoscience required to ensure sustainable development.

We have agreed four **Strategic Objectives** to help realise our vision:

1. **INSPIRATION. Promote the value of geology in supporting sustainable development.** Many people are unaware of the role geology can play in supporting sustainable development. We will work towards greater recognition for, and understanding of, the role of geology in tackling global challenges (e.g., water security, food security, resilience to natural hazards, natural resource management, urbanisation, and climate change).
2. **EDUCATION. Equip geologists to engage positively in sustainable development.** The skills and knowledge required to make an effective and positive contribution to sustainable development are often missing from the traditional education and continued professional development of geologists. We will provide opportunities for geologists to develop these essential skills to best serve the communities that we engage with.
3. **ACTION. Enhance the application of geology to international development.** We will make a high-quality contribution to practical development projects. We will develop and support poverty-fighting programmes in collaboration with other UK-based and international organisations. By the end of 2021 we envisage our work having helped to address six of the UN Sustainable Development Goals, across five different countries.
4. **LEADERSHIP. Exercise international leadership on matters relating to geology and sustainable development.** We seek to be a recognised and trusted voice on ‘geology and sustainable development’, helping to reshape the global geology community to better serve society. We will grow in our international influence, and reputation for excellence in all we do.

To support the delivery of these four strategic objectives, we recognise the need to develop the following aspects of our organisation:

- **Finance:** We will seek a consistent income stream from diverse sources to promote greater financial resilience.
- **Personnel:** We will grow our Board of Trustees to ensure access to relevant experience and professional skills. We will grow our Executive Team to ensure reliable, professional delivery of these strategic objectives. By 2021, we anticipate having transitioned to a paid staff team, working with a growing volunteer community.
- **Infrastructure:** We will explore the benefits and costs of operating out of a permanent headquarters, such as a host geological organisation.

C. ACTIVITIES

In seeking to fulfil our objectives and provide broad public benefit, we have undertaken the following charitable activities, expressed through four strategic objectives:

INSPIRATION. PROMOTE THE VALUE OF GEOLOGY IN SUPPORTING SUSTAINABLE DEVELOPMENT.

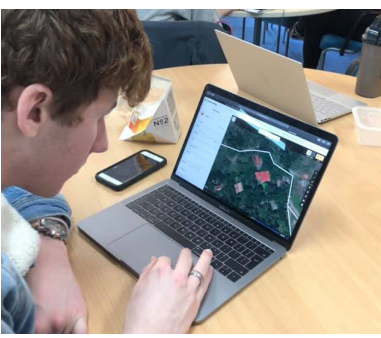
Highlights from 2020 include:

- **Website.** We maintained our website (www.gfgd.org) – acting as a resource hub for information about geoscience and sustainable development.
- **GfGD Blog.** Our blog (blogs.egu.eu/gfgd), hosted by the *European Geosciences Union*, provides a forum for exploring issues relating to geology and development, with articles from guest bloggers in addition to our regular blog contributors. In 2020, we published 11 articles on key issues and recent news in development and geoscience.
- **Publications.** We continued our work on an edited book on *Geosciences and the Sustainable Development Goals* in collaboration with the British Geological Survey and involving 42 authors from many countries, including: the UK, Morocco, Mongolia, Italy, the US, Australia, Nepal, Malaysia, Ecuador, the Netherlands, New Zealand, South Korea. The book is scheduled for publication in 2021 (www.springer.com/gb/book/9783030388140). We also contributed to a book – *Of Earth, For Earth* (see www.oefe.co.uk/book) – with a perspective piece on the role of ethically motivated geoscience students.
- **Presentations and Talks on Geoscience for Sustainable Development.** Representatives of *Geology for Global Development* attended and presented at many events and institutions throughout the year, including the Responsible Raw Materials conference (<https://www.responsiblerawmaterials.com/>).

EDUCATION. EQUIP GEOLOGISTS TO ENGAGE POSITIVELY IN SUSTAINABLE DEVELOPMENT

Highlights from 2020 include:

- **University Groups.** These affiliated groups, run by student volunteers known as Ambassadors, engage students and academics with our charitable work through seminars, discussion groups and other activities. Of course, early in 2020, University Groups had to adapt because of the Covid-19 pandemic and move their activities online. Despite a challenging year, our students have risen to the challenge and this has not affected the quality of events that groups organise. At the end of 2020, groups were active or being initiated in the Universities of Bristol, Cambridge, Cardiff, Durham, Exeter (Camborne School of Mines), Keele, Liverpool, Manchester, Oxford, Southampton, Imperial College London and University College London (UCL). Examples of University Group activities in 2020 include:

- **Talks from Industry and Academia:** University groups put on a diverse range of talks throughout the year. For example, GfGD Cambridge hosted a talk with Allie Mitchell (GfGD Industry Lead) and Sanna Markannen (Cambridge University Institute for Sustainability Leadership) on 'Cobalt and the Climate Crisis' and GfGD Imperial invited Mitch Hunter-Scullion of the Asteroid Mining Corporation to talk about 'Asteroid Mining and the Extra-terrestrial Economy'.
- 
- **Training Events:** To get Ambassadors started at the beginning of the academic year, we provide training and a space for them to meet each other and share ideas. This year's training event took place virtually on Zoom and Ambassadors from eight universities attended. The training took place over two evening sessions and despite being online, still managed to create an exciting and inspiring atmosphere with engaging contributions from the Ambassadors. The first session introduced the aims and values of GfGD and discussed the role of geology in achieving the SDGs. The Ambassadors were then challenged to design an event around one of the SDGs ahead of the next session. In the following session, a representative from each university presented their idea. The quality of ideas put forward was impressive and some have been turned events which took place throughout the year.
 - **Fundraising:** In February 2020, the GfGD University Group at Liverpool raised £230 for the charity through a bake sale alongside their annual Herdman Symposium.
 - **Mapathons:** During a mapathon a group of people get together (in person, or virtually) to use satellite imagery to add valuable digital information to OpenStreetMap in poorly mapped areas. Many groups held mapathons in 2020, for example mapping areas affected by flooding in Kerala, India, and areas in need of better maps to support the Covid-19 response.
- 
- **Other Events:** GfGD UCL developed their event idea from the training sessions, focussed on SDG 11 – Sustainable Cities and Communities – into a virtual tour of sustainable buildings in London: *Urban Geoscience: Explore Green London*. Other groups held quizzes and film screenings to communicate the links between geoscience and sustainable development.
 - **Ambassador Hub Events:** In 2020, as everyone moved online and became more comfortable with virtual events, we trialled hosting events throughout the year for Ambassadors to complement the annual training sessions. For example, in June we

had an ‘Ambassador Mingle’ to allow the group leaders of different universities some space to network, and in December we had a ‘Meet a Trustee’ event with Sarah Gordon, GfGD Trustee, who talked about her career and answered Ambassador’s questions.

- **Higher Education Learning Resources – Geosciences and Sustainable Development.** We designed and published open-access online higher education learning resources on *Geosciences and Sustainable Development*, to help integrate sustainability concepts and skills into geoscience education (see www.gfgd.org/education). Two students (Rachael Sims and Kit Baker), both involved with our network of University Groups, worked with the GfGD Team to develop a module of eight classes ready for the start of the academic year in 2020. The eight topics covered are: the SDGs, Working in the Global South, Decarbonisation, Disaster Risk Reduction, Water Security, Health and Land Degradation, Sustainable Urban Development, and Reducing Inequalities. These classes aim to: help learners explore development frameworks and sustainability challenges, and how geoscience knowledge can contribute to these challenges; develop skills to strengthen engagement in sustainable development activities; and understand that ‘how we work’ is as important as ‘what we do’.

ACTION. ENHANCE THE APPLICATION OF GEOLOGY TO INTERNATIONAL DEVELOPMENT

Highlights from 2020 include:

- **Geoscience Education in the Global South.** This project aims to explore the current state of geoscience education in the Global South. This work provides a foundation for further analysis of gaps in geoscience capacity compared to demand for geoscience skills and the development of recommendations for strengthening the capacity and voice of the geoscience sector in the Global South. In 2020, Honor James produced a literature review examining the challenges facing geoscience education in higher education institutions in the Global South and the solutions that have been implemented to overcome them. Laura Pozzi and Gareth Hurman also developed a database of geoscience higher education courses in eastern and southern Africa, including details of the modules offered and course duration. Both will be published, together with outputs from further analysis, in 2021.
- **BOND network of international development organisations.** We joined and engaged with this network of development organisations, helping us to better understand NGO requirements for geological information in international development, and communicate this with the broader geoscience community.

LEADERSHIP. EXERCISE INTERNATIONAL LEADERSHIP ON MATTERS RELATING TO GEOLOGY AND SUSTAINABLE DEVELOPMENT.

Highlights from 2020 include:

- **A Voice for Geoscience in Global Policy Forums.** We responded to consultations and requests for information by United Nations Department of Economic and Social Affairs and the International Science Council. We submitted an application for consultative status with United Nations Economic and Social Council, providing NGOs with access to various UN processes, and an application for observer status for COP26 with the United Nations Framework Convention on Climate Change
- **Equality, Diversity, and Inclusion.** We became a supporting partner of the *Equality, Diversity, and Inclusion in Geoscience* (EDIG) initiative (see <https://www.icrag-centre.org/edig/>).

ORGANISATIONAL PARTNERSHIPS

In 2020, we partnered with a range of organisations to deliver the activities above and advance our charitable objectives.

- **International Union of Geological Sciences (IUGS).** We are an affiliated organisation of the IUGS. In 2020, we received a grant of \$4000 to support our work.
- **UNESCO/IUGS International Geoscience Program.** We are a partner organisation on **International Geoscience Programme Project 685**, which provided funds to support our UN engagement activities.
- **European Geosciences Union.** Our blog is hosted by the European Geosciences Union, and involves regular writers based in the UK, Brazil and the United States.
- **Responsible Raw Materials.** This initiative, launched in 2020, provides the means for different stakeholders to contribute to a conversation and access up-to-date information on the responsible extraction and use of raw materials. Responsible Raw Materials selected GfGD as one of their charities to support in 2020.
- **Equality, Diversity, and Inclusion in the Geosciences (EDIG).** We are proud to be a supporting partner of the EDIG project, primarily organised by geoscientists at the Irish Centre for Research in Applied Geosciences.

SUMMARY

These activities demonstrate the positive impact of *Geology for Global Development*, with respect to our two primary charitable objectives.

- **Educational Advancement.** Activities have promoted the role of geology in sustainable development to diverse audiences both in the UK and overseas. Our engagement with the geological science and sustainable development communities (through conferences, online consultations, engagement in universities, and publication of resources) has helped to increase awareness of how geoscientists can make a positive contribution to sustainable development. We supported research with a focus on eastern Africa, engaging with academics in Kenya on work that will continue into 2021. Our social media content, blogs and publications helped to raise public awareness of why geological science matters when implementing sustainable development activities. Our work helps to train geologists to better serve the public, by improving professional practices (e.g., partnership and capacity building, ethics and integrity) relating to the application of geology to sustainable development.
- **Poverty Prevention and Relief.** We have engaged in programmes aiming to enhance education for sustainable development and responsible management of natural resources. Work on improving water provision and resilience to environmental shocks (e.g., volcanic eruptions) was paused due to COVID-19 restrictions. Our activities help to prevent and relieve poverty by connecting a more socially-aware geoscience community engaged in sustainable development activities with partners including NGOs and government agencies.

D. GOVERNANCE AND MANAGEMENT

BOARD OF TRUSTEES: Trustees have been appointed to oversee and guide our work, in accordance with our Governing Document (based on the Charity Commission's 'Foundation' model constitution for a Charitable Incorporated Organisation whose only voting members are its charity trustees). In April 2020, Joel Gill (founding Trustee) retired from the Board. An open recruitment process in early 2020 resulted in the appointment of two new trustees, Sarah Gordon and Natasha Dowey.



NIC BILHAM (CHAIR OF TRUSTEES)

Nic is working on a PhD in ethical mining at the University of Exeter, before which he worked at the *Geological Society of London*, leading its delivery of policy, education, media and wider communications. Nic is European Coordinator for the *International Association for Promoting Geoethics*.



KIRSTY DAWKES

Kirsty has an MSci in Geological Sciences and is a Chartered Geologist through the *Geological Society of London*. She currently works in the energy sector, with international engagement.



MARIE FLEMING

Marie is an Engineering Geologist at *Arup*, based in Ireland. She is a former president of the *Institute of Geologists of Ireland*, and a member of the External Relations committee of the *Geological Society of London*.



FLO BULLOUGH

Flo has an MSci in Geology from *Imperial College London* and a background in geochemistry research and contaminated land and groundwater. She has been at the *Geological Society of London* since 2012 and leads the policy and government engagement work as part of their External Relations team.



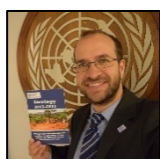
NATASHA DOWEY

[APPOINTED APRIL 2020] Natasha is a lecturer in physical geography at *Sheffield Hallam University*, with specialisms in hazards, volcanoes, and igneous geology. Her research into the uncertainty involved in studying rocks formed in explosive eruptions aims to improve understanding of volcanic hazards.



SARAH GORDON

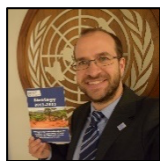
[APPOINTED APRIL 2020] Sarah is a geologist and a co-founder of the risk management society, *Satarla*. She has previously worked for *Anglo American*, which has taken her to live and work around the world, and has a PhD in the chemistry of meteorites from *Imperial College London*.



JOEL GILL

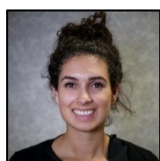
[RETIRED APRIL 2020] Joel has an interdisciplinary PhD in geography (natural hazards) from *King's College London*. In November 2016, he joined the *British Geological Survey*, contributing to their overseas development work.

TEAM: Day-to-day responsibility for the running of the charity is delegated to a volunteer Executive Director of *Geology for Global Development*, working alongside a Senior Leadership Team (indicated with an asterisk * below) and a wider team of volunteers. This group expanded at the start of 2021, and currently consists of:



JOEL GILL (EXECUTIVE DIRECTOR*)

Joel founded *Geology for Global Development* in 2011 and has overall responsibility for the leadership and management of GfGD, overseeing the implementation of our strategy and day-to-day operations.



SABRINA JAMES (EXECUTIVE ASSISTANT)

[Appointed in 2021] Sabrina supports our administration and wider team with diverse engagement in project management. Core responsibilities include: reporting, managing tasks through the use of Basecamp tool, people management and supporting the wider leadership team.



EMILY WHITE (DEPUTY DIRECTOR AND NETWORKS LEAD*)

Emily leads our GfGD University Group network, acting as the link between these groups and the GfGD leadership (Executive and Trustees). Core responsibilities include: supporting GfGD Ambassadors, resourcing groups, and communicating their work.



ALLIE MITCHELL (INDUSTRY LEAD)

Allie leads our *Network of Professionals* and helps us to engage with industry. Core responsibilities include: building links with geoscientists across all industries, advising GfGD on how they can better engage with professionals, and developing new activities to involve professionals in our work.



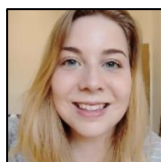
SEAN RUFFELL (UNIVERSITY GROUPS ASSISTANT)

Sean supports our GfGD Student Ambassador Network, helping students to engage with activities that align with GfGD's core values. Core responsibilities include: supporting GfGD Ambassadors, resourcing Ambassadors and communicating their work.



HANNAH HILBERT-WOLF (RESEARCH AND ANALYSIS LEAD*)

[Appointed in 2021] Hannah leads the Research Team, which develops and coordinates a program of impact-focused research. Core responsibilities include: management of teams to deliver research; research dissemination in educational and policy contexts; development of tools and policies for delivering ethical, high quality, impactful research.



LAURA HUNT (RESEARCH ASSISTANT, IMPACT)

Laura helps design and deliver research to understand the impact of GfGD's activities. Core responsibilities include: supporting GfGD with advice and tools to embed Monitoring, Evaluation, and Learning into GfGD's work, and assisting with the design, implementation, and analysis of GfGD projects.



LAURA ROBERTS-ARTAL (COMMUNICATIONS LEAD*)

Laura has responsibility for developing and managing our portfolio of communications. Core responsibilities include: the GfGD blog, social media, brand management, website development, and advising on all aspects of our internal and external communications.



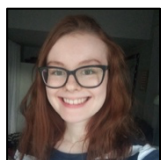
JESSE ZONDERVAN (CONTENT EDITOR)

Jesse supports communication and outreach through his editorial role in the written work of GfGD. Core responsibilities include: website content, supporting communications, preparing writing for outreach publications and managing the newsletter.



RACHEL ONG (GRAPHIC DESIGN ASSISTANT)

[Appointed in 2021] Rachel supports our communications team and wider team. Core responsibilities include: designing graphics for GfGD's social media, reports and other materials to enhance GfGD's communications.



ANNA LEPPÄNEN (SOCIAL MEDIA ASSISTANT)

[Appointed in 2021] Anna supports our communications team and wider team. Core responsibilities include: managing and expanding our social media presence (particularly Facebook, Twitter and LinkedIn), increase awareness of GfGD work and deliver impact and generate support (including funding).

E. FINANCIAL OVERVIEW

The accounts below document financial activity (income and expenditure) that occurred in 2020 and 2019. The Statement of Financial Activities is calculated on a cash basis. The Balance Sheet shows total funds including non-cash assets and liabilities. For full details of activity in 2016 to 2019, please refer to previous GfGD Annual Reports (www.gfgd.org/annual-reports).

Key observations include:

- **[Unrestricted Income]** £8590 is labelled as unrestricted income, and can be used to support the full portfolio of our work. This income was raised through grants, personal and corporate donations, and fundraising activities. We are particularly grateful to the International Union of Geological Sciences (IUGS), the UNESCO/IUGS International Geoscience Programme Project 685, and the Responsible Raw Materials initiative for their support. Our unrestricted

income in 2020 included £3090 of income pledged in 2019. A further £325 was pledged to GfGD in 2019 but not received in 2020 and unlikely to be received in the future.

- **[Expenditure from Unrestricted Income]** £3084 is labelled as expenditure, using our unrestricted income. £144 (5%) of this expenditure was used to support charity governance (e.g., committee and trustee meeting costs). The remaining £2940 (95%) of expenditure was used to support our charitable activities, including £706 on charitable activities delivered in 2019 (with the invoice received by GfGD in early 2020) and the remaining £2234 on charitable activities delivered in 2020 (described in detail in **Section C**).
- **[Restricted Income]** No restricted income was received in 2020.
- **[Expenditure from Restricted Income]** £720 was pledged in 2019 from restricted income to support a congress on integrated disaster risk reduction in Guatemala. These funds, paid in early 2020, were used to facilitate attendance by low-income and underrepresented groups involved in disaster risk reduction in volcanic regions.

In 2020, the net movement in unrestricted funds (including non-cash assets and liabilities, as set out on the Balance Sheet) was therefore £2796, and the total net movement in funds was also £2796. This surplus will be used to supplement our financial reserve, established in line with good charity practice. Our Charity Reserves Policy, agreed in 2018, sets an ambition to ensure free reserves of six to nine months operational costs. Based on budgeted expenditure of approximately £10,000 in 2021, this equates to £5000–£7500. At the end of 2020, based on our balance sheet, our free reserves stood at £9279. While this is above the range set out in our Charity Reserves Policy, we note that there is significant uncertainty regarding the ability of many organisations to generate income through 2021, given the COVID-19 pandemic and recovery. It is therefore prudent to hold additional reserves. This will be reviewed by the Trustees later in 2021.

GfGD activities were delivered entirely through the dedication of a team of volunteers. We are very grateful to all those who gave their time in 2020 to help realise our charitable objectives.

GfGD STATEMENT OF FINANCIAL ACTIVITIES (AS AT 31 DECEMBER 2020)

	Unrestricted Funds (£)	Restricted Funds (£)	Total 2020 (£)	Total 2019 (£)
Income and endowments from:				
Donations and legacies	8136	--	8136	5273
Activities for Generating Funds (Fundraising Events)	454	--	454	330
Charitable activities	--	--	--	1125
Other trading activities	--	--	--	--
Investment income	--	--	--	--
Total Income	8590	--	8590	6728
Expenditure on:				
Costs of Generating Voluntary Receipts	--	--	--	(47)
Raising funds	--	--	--	--
Investment Management Costs	--	--	--	--
Charitable activities	(2940)	(720)	(3660)	(6803)
Governance Costs	(144)	--	(144)	(365)
Total Expenditure	(3084)	(720)	(3804)	(7215)
Surplus/(Deficit) of income over expenditure	5506	(720)	4786	(487)
Net gains/(losses) on investments	--	--	--	--
Net income/(expenditure)	5506	(720)	4786	(487)
Transfers between funds	--	--	--	--
Net movement in funds	5506	(720)	4786	(487)
Reconciliation of funds				
Total funds brought forward	3773	2066	5839	6326
Total funds carried forward	9279	1346	10625	5839

BALANCE SHEET (AS AT 31 DECEMBER 2020)

	2020 (£)	2019 (£)
Fixed Assets		
Tangible Assets	--	--
Investments	--	--
Total Fixed Assets	--	--
Current Assets		
Debtors: Due in one year	--	3415
Debtors: Due after one year	--	--
Cash at Bank and in hand	10625	5839
Total Current Assets	10625	9254
Current Liabilities		
Creditors due within one year	--	1425
Net current assets	10625	7829
Total assets less current liabilities	10625	7829
Funds		
Unrestricted Funds	9279	6483
Restricted Funds ¹	1346	1346
Total Funds	10625	7829

CASH FLOW STATEMENT (AS AT 31 DECEMBER 2020)

	2020 (£)	2019 (£)
Cash flows from operating activities:		
Net cash provided by operating activities	4786	(487)
Cash flows from investing activities:		
Net cash provided by investing activities	--	--
Cash flows from financing activities:		
Net cash provided by financing activities	--	--
Change in cash and cash equivalents in the reporting period	4786	(487)
Cash and cash equivalents at the beginning of the reporting period	5839	6326
Change in cash and cash equivalents due to exchange rate movements	--	--
Cash and cash equivalents at the end of the reporting period	10625	5839

¹ Money raised for a project building resilience to volcanic hazards in Guatemala.

F. LOOKING TO THE FUTURE

Through 2021 we will be developing our new strategy while advancing key projects:

- **Research and Analysis.** We will take forward research activities on themes aligned to our mission, including (i) education for sustainable development in the Global South, (ii) diversity, equality, and inclusion in the geosciences, and (iii) improving access to water in eastern Africa.
- **Advocacy, Policy, and Engagement.** We will engage (virtually and in-person) with UN mechanisms and consultations, including the UN Forum on Science, Technology, and Innovation for the SDGs, and COP26 (Glasgow, UK). We will seek to connect our research outputs (from the projects above) into education and policy spaces, delivering training, preparing policy briefs, and participating in conferences as required to achieve impact.
- **Education.** We will continue our engagement with geoscience students, supporting them to understand their role in sustainable development and equip them with the skills they require to have a positive impact. We will complete production of, and promote, the GfGD-supported book (Geosciences and the SDGs).

These will be reported on in our 2021 Annual Report (published in early 2022). Live updates will be made available on our website and social media.

G. FURTHER INFORMATION

Find the latest GfGD news, events, and opportunities to get involved on our website (www.gfgd.org), Facebook (www.facebook.com/gfgd.org), LinkedIn (www.linkedin.com/company/gfgd/), and Twitter (www.twitter.com/Geo_Dev).

Download this Annual Report and Review from our website (www.gfgd.org/annual-reports).



CHARITY COMMISSION
FOR ENGLAND AND WALES

Geology for Global Development

1165663

Receipts and payments accounts

CC16a

For the period
from

01-Jan-20

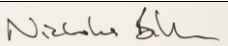
To

31-Dec-20

Section A Receipts and payments

	Unrestricted funds	Restricted funds	Endowment funds	Total funds	Last year
	to the nearest £	to the nearest £	to the nearest £	to the nearest £	to the nearest £
A1 Receipts					
Voluntary Receipts (Donations, Legacies and Grants)	8,136		-	8,136	5,273
Investment Dividends/Interest	-	-	-	-	
Activities for Generating Funds (Fundraising Events)	454		-	454	330
Charitable Activities	-	-	-	-	1,125
Other receipts	-	-	-	-	
Sub total (Gross income for AR)	8,590	-	-	8,590	6,728
A2 Asset and investment sales, (see table).					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total receipts	8,590	-	-	8,590	6,728
A3 Payments					
Costs of Generating Voluntary Receipts	-	-	-	-	47
Fundraising Costs	-	-	-	-	-
Investment Management Costs	-	-	-	-	-
Costs of Charitable Activities	2,940	720	-	3,660	6,803
Governance Costs	144	-	-	144	365
Sub total	3,084	720	-	3,804	7,215
A4 Asset and investment purchases, (see table)					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total payments	3,084	720	-	3,804	7,215
Net of receipts/(payments)	5,506	- 720	-	4,786	- 487
A5 Transfers between funds	-	-	-	-	-
A6 Cash funds last year end	3,773	2,066	-	5,839	6,326
Cash funds this year end	9,279	1,346	-	10,625	5,839

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Endowment funds to nearest £
B1 Cash funds	Cash at Bank	9,279	1,346	-
		-	-	-
		-	-	-
	Total cash funds	9,279	1,346	-
	(agree balances with receipts and payments account(s))	OK	OK	OK
B2 Other monetary assets		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
B3 Investment assets		Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
			-	-
B4 Assets retained for the charity's own use		Fund to which asset belongs	Cost (optional)	Current value (optional)
			-	-
			-	-
			-	-
			-	-
B5 Liabilities		Fund to which liability relates	Amount due (optional)	When due (optional)
			-	
Signed by one or two trustees on behalf of all the trustees		Signature	Print Name	Date of approval
			Nic Bilham	06-May-21
			Kirsty Dawkes	07-May-21