

# INSTITUTE OF GEOLOGISTS OF IRELAND



**2017 - 2018**

## **ANNUAL REPORT and FINANCIAL STATEMENTS**

Company number 314400. Directors:, Catherine Buckley, Henning Moe, Claire Clifford, Cian O'Hora



*Member of the  
European Federation  
of Geologists*

**The Institute of Geologists of Ireland**

63 Merrion Square, Dublin 2, Ireland

Tel: +353 1 662 4914 e-mail: [info@igi.ie](mailto:info@igi.ie) web: [www.igi.ie](http://www.igi.ie)

## **MISSION**

***To promote and advance the science of geology and its professional application in all disciplines, especially the geosciences and to facilitate the exchange of information and ideas in relation thereto.***

***To require its Members to uphold, develop and maintain the highest professional standards in the practice of their profession, as described in the Company's Code of Ethics and Conduct.***

**July 2018**

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## 1 PRESIDENT'S REPORT

It has been an honour to serve as President of the Institute of Geologists of Ireland for the past year and I look forward to the coming year and implementing some of the plans we have been working on. Events to watch out for include a field trip in the Autumn, a celebration event for the IGIs Honorary Fellowship award to Oliver Bonham and several talks / training courses. As always, if members have suggestions of courses or talks they would like the IGI to organise, please feel free to contact the office ([info@igi.ie](mailto:info@igi.ie)).

Next year the IGI will be 20 years old and we are developing plans for an event to mark this occasion in Spring 2019.

### 1.1 ACKNOWLEDGEMENTS

All IGI Board members volunteer their time in both developing the Institute and supporting the membership and I would sincerely like to thank them for their contributions; namely Vice President, Henning Moe; Honorary Secretary, Claire Clifford; Treasurer, Cian O'Hora and Board Members Dave Blaney, Eoin Wyse, Mairead Glennon, Ed Slowey, Bill Sheppard and Jon Hunt. I would also like to thank Morgan Burke who has worked tirelessly over the last number of years as Chair of the IGI Validation Committee and the Past Presidents of the Institute who are always on hand to offer advice and help out.

This year we welcomed Karen-Lee Ibbotson to the IGI team in the role of Executive Secretary and we'd like to thank Karen for the fantastic work she has done since joining us. Karen has taken on the traditionally secretarial and accountancy roles as well as working on our social media and outreach to members. Sincere thanks also to Eamonn Kelly, the IGI Webmaster.

The IGI acknowledges the continued support of our sponsoring bodies, the Irish Mining & Quarrying Society (IMQS), Geophysical Association of Ireland (GAI), Geotechnical Society of Ireland (GSI), Irish Association for Economic Geology (IAEG) and the International Association of Hydrogeologists (Irish Group, IAH).

Many of our Members actively contribute to the IGI's work, through the Standing Committees and Working Groups in the varied fields of accreditation and validation; ethics and disciplinary matters; development of technical guidelines and policy; corporate governance; European and

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international affairs; public advocacy and outreach, for which support the Board is extremely grateful. I would like to thank sincerely thank all those Members who give extensive personal time to represent the IGI at Board level and at various conventions at home and abroad, and to those who participate voluntarily on working groups and committees in their own time. Such inputs ensure the continued, membership-led ethos of the IGI and contribute to its strength.

## 1.2 HIGHLIGHTS OF THE 2017 - 2018 TERM

### Extraordinary General Meeting

On 1<sup>st</sup> November 2017 an Extraordinary General Meeting (EGM) was held at the IGI offices in Merrion Square. The purpose of the EGM was to propose a number of resolutions as summarised below:

1. Updated PGeo membership criteria
2. Update the Articles of Association to allow e-votes to be submitted
3. Remove fees for student members
4. Allowing students to become Ordinary Board Members.

A healthy discussion was held regarding all items resulting in Items 1-3 being approved and Item 4 rejected.

Item 1, the updated membership criteria for Professional membership, was developed to allow those with non-traditional qualifications to be considered for PGeo, subject to meeting the criteria outlined below and demonstration of a good understanding of geology in the interview process. The updated wording and a new qualification criteria are presented below.

Item 2 was developed to facilitate easier access for members to influence how the IGI is run in the event they could not attend AGM / EGMs in the future by allowing votes to be cast via email instead of the traditional postal vote / attending in person.

Item 3 was initiated based on feedback from universities and was proposed by the board with the aim of attracting more student members.

**Proposed changes to Article 10c of AoA**

Current wording	New agreed wording
Professional members shall have a primary degree in geology, geoscience, or equivalent approved by the Board; or produce evidence satisfactory to the Board that such degree or other qualification the candidate may possess is equivalent to a degree approved by the Board; and have been engaged in the science and practice of geoscience for period of not less than five years subsequent to the award of the degree, or to the acquiring of such qualification as may be accepted by the Board as equivalent, provided that in the specified five years the candidate has attained a position of professional responsibility.	Professional Members shall have a geology, geoscience or other qualification approved by the Board, and have been engaged in the science and practice of geoscience subsequent to the award of the qualification. The period of professional practice will be relevant to the level and field of award and is summarised in Table 1 of the AoA. This is provided that in the specified period the candidate has attained a position of professional responsibility. The Board will determine from time to time what level of qualification and what periods of work experience are required to be eligible for Professional membership and shall make these available to all prospective candidates. The Board shall review these requirements at periods of not less than five years.

**Admission Criteria for Professional membership status (for insertion into the AoA after Article 10c as Table 1)**

	Primary Degree	Masters Degree	Doctorate	Required Professional Geo-Science Experience (Years)	Comment
Geo-Science Degree	Yes	-	-	5	4 Year Primary Degree Course with > 50% Geo-Science Content
Geo-Science Degree	Yes	Yes	-	4	4 Year Primary Degree Course with > 50% Geo-Science Content
Geo-Science Degree	Yes	-	Yes	4	4 Year Primary Degree Course with > 50% Geo-Science Content
Non-Geoscience Degree	Yes	-	-	10	
Non-Geoscience Degree	Yes	Yes	-	6	Taught Degree (Minimum Geo-Science Content > 50%)
Non-Geoscience Degree	Yes	Yes	-	6	Degree by Research (Geo-Science Content> 75% validated by Supervisor)
Non-Geoscience Degree	Yes	-	Yes	5	Research (Geo-Science Content> 75% validated by Supervisor))
	<b>Primary Diploma</b>				
Geo-Science Diploma	Yes	-	-	8	3 Year Course with Geo-Science content >50% validated by Course Director

**Notes:**

1. Demonstratable knowledge of Geology is IGI Core Value
2. IGI Board reserves the right to make executive decisions on admission to the Institute

## Student membership

Over the past number of years the Boards of the IGI have recognised the need for dedicated activities to engage with third level institutions in order to attract more student and early-career stage members. We are pleased to report an increase in our student membership this year which was achieved through the removal of fees for student members and the outreach efforts by the current and past Boards.

To facilitate easier communication with students, a short presentation has been prepared for student audiences to introduce the IGI and highlight the benefits of membership. This presentation can be customised by the presenter as needed and is available from the office and we would encourage all members who will be speaking to students to avail of it.

## IGI Representation

IGI Members continue to represent the Institute at regular events and meetings including but not limited to the following:

PERC (Pan-European Reserves & Resources Reporting Committee) is the organisation responsible for setting standards for public reporting of exploration results, mineral resources, and mineral reserves by companies listed on markets in Europe. Paul Gordon, Ed Sides, Andy Bowden and Paul Mc Dermott are the IGI representatives to PERC. Ed Sides was elected as Secretary to PERC at their AGM in May.

The NSAI (National Standards Authority of Ireland) manages the standards and guidance documents in relation to aggregates through the inter-disciplinary panel, the Aggregates Panel. The IGI is represented on this panel by John Kelly, Robbie Goodhue, Tom Moore, Billy O'Keeffe, Eoin Wyse and Gerry Stanley. These individuals represent the IGI and geologists at the NSAI with respect to the review and revision of standards and guidance documents in relation to aggregates. The Panel addresses such matters as quality control of aggregates, deleterious materials in aggregate, specifications for quarry products and the role of geoscientists in the sector.

Marie Fleming is a member of the External Relations Committee of the Geological Society of London which aims to raise public awareness and understanding of geoscience, and the professional activities of geoscientists, including the relevance of the science and profession in aiding policy and decision making concerning wealth creation, provision of resources,

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sustainability, environmental protection and conservation.

### European Federation of Geologists (EFG)

The IGI continues to be an active National Association Member, as well as a National Licensed Body Member, of the European Federation of Geologists (EFG). The IGI is represented at the EFG by Jon Hunt, Gerry Stanley and Eoin Wyse. Marie Fleming is Chair of the EFG Registration Authority and attends all Board and Council meetings of the EFG.

### Courses & Events

As outlined in this report, a number of courses have been held by the IGI throughout the year, including a number of collaborative events.

The IGI provided sponsorship to a number of events this year including IGRM held at UCC in March.

The IGI continues to host the Irish Geoscience Network Meeting and details of this years event are provided in this report.

### GDPR

The General Data Protection Regulation (GDPR) is an EU regulation (EU 2016/679) on data protection and privacy for all individuals within the European Union which came into force on 25th May 2018. This legislation has significant implications for the IGI and how we manage our members data. In 2018 the Board commissioned legal firm Ronan Daly Jermyn to advise how the IGI should address our legal obligations under the GDPR. In summary:

- A gap analysis was undertaken to determine areas the IGI may be at risk of not meeting our obligations. This highlighted the need for a number of changes in how the IGI manages current and past members data. A procedural document is currently being prepared and a draft will be circulated to members for comment.
- A draft Privacy Policy was also commissioned and was circulated to members for comment in May 2018. A final version of this document will be published on the website.

By virtue of remaining members of the IGI (actively paying fees and submitting CPD), members are deemed to consent to receiving weekly email bulletins from the IGI. If members wish to be removed from the mailing list they should contact the office to 'opt-out'. Members will, however, be required to 'opt-in' if they want their details to be included on public registers available on the website in the future. We will be in touch with individual members about this.



## **IGI Honorary Fellowship Award**

The IGI has two categories of award to acknowledge those who have excelled and/or given outstanding service in the field of geoscience: the Medal of Honour for those with national profile and the Honorary Fellowship to those with an International profile.

On behalf of the board, I am delighted to announce that the first recipient of the Honorary Fellowship Award will be Ollie Bonham. Ollie is formerly the CEO of Geoscientists Canada and served for 12 years successfully developing the organisation. He was instrumental in developing the Mutual Recognition Agreements with the Institute of Geologists of Ireland which has had significant benefits for members. An award event, including a lecture by Ollie, will be held on the 4<sup>th</sup> of October (details to be announced closer to the time).

## **Strategy update**

A working group has been formed to update the IGI strategy. A survey has been issued to members. This will be used to guide the future direction of the IGI and we would encourage all members to participate.

## **Secretarial and Administration**

The work of the IGI is carried out by its Board and part time contract staff. In January 2017 our long standing secretary, Susan Pyne, and accountant, Ethel Stringer, retired from their roles of the IGI. The Board would like to acknowledge and thank both Susan and Ethel for the work they have put in over the past number of years.

Following Susan and Ethel's retirement, a new position of Executive Secretary was developed which combined both roles and extended the role to encompass social media, organising speakers etc. Following a competitive tender and interview process, this role was awarded to Karen-Lee Ibbotson. Karen-Lee joined the IGI in 2017 and has been a welcome addition to the team. We look forward to continuing to work with Karen.

## **Photography competition**

A photography competition was launched by the board in May 2017. Over 20 entries were received with some fantastic photographs submitted. The winner will be announced at the AGM and all photos are available to view on the IGI website.

***EurGeol Catherine Buckley PGeo***

***President, 12 July 2018***

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## 2 HON. SECRETARY'S REPORT

The 2017 Annual General Meeting (AGM) of the IGI was held on Tuesday the 7<sup>th</sup> June 2017 at 6:30pm at No. 63 Merrion Square, Dublin 4. The meeting was chaired by the IGI Vice-President, Jim Hodgson PGeo. Minutes of the meeting have been distributed separately.

At the AGM the following were elected to the Board of the IGI to serve during the year 2017-2018:

<b>President</b>	Catherine Buckley
<b>Vice President</b>	Henning Moe
<b>Honorary Treasurer</b>	Cian O'Hora
<b>Honorary Secretary</b>	Claire Clifford
<b>Board Members</b>	Mairead Glennon Dave Blaney Ed Slowey Jon Hunt Bill Sheppard Eoin Wyse

### 2.1 BOARD MEETINGS

The IGI Board met on 11 occasions on the following dates: in 2017/2018:

- 7<sup>th</sup> June 2017;
- 5<sup>th</sup> July 2017
- 2<sup>nd</sup> August 2017
- 13<sup>th</sup> September 2017
- 13<sup>th</sup> December 2017
- 17<sup>th</sup> January 2018
- 21<sup>st</sup> February 2018
- 22<sup>nd</sup> March 2018
- 19<sup>th</sup> April 2018
- 24<sup>th</sup> May 2018
- 5<sup>th</sup> July 2018

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## 2.2 MEMBERSHIP

The total membership as of the 11th July 2018 was 263 with the following membership numbers:

- 194 Professional Members (PGeo) of the Institute;
- 33 Members in Training (MIT);
- 11 Retired Members;
- 5 Associate Members; and
- 20 Student Members.

These figures demonstrate the continued growth of the IGI over the past year and the increasing importance of the PGeo title with a total of seven new Professional Members and 13 new MITs were elected during the past year. In addition a further seven new MITs have been approved by the Validation Committee and will be approved by the Board at their next meeting. Three Professional Member moved to Associate Membership. One member was delisted in 2017/2018.

## 2.3 MEMBERS IN GOOD STANDING

To be a 'Member in good standing' of the IGI you must have completed and returned your CPD forms and be fully paid up in terms of subscription. It is up to individual Members to ensure that they comply with these requirements in order to be considered a Member in good standing with the Institute.

## 2.4 IGI ADMINISTRATION

The IGI Board, various committees, panels and working groups have been supported by the IGI Executive Secretary (Karen-Lee Ibbotson) appointed in September 2017. Karen-Lee's efforts in clearing the administrative backlog on her appointment is greatly appreciated.

## 2.5 SECRETARIES APPRECIATION

The Board is supported in their work by a large number of members in various committees, panels and working groups (refer Section 4 of this report), which is gratefully acknowledged. Members also represent the IGI with distinction on National and EU committees (GSI and

GSNI consultative committees, National working group on Pyrite in engineering fill, PERC, EFG, etc). Members also contribute to the delivery of IGI training courses and workshops, and otherwise supporting the Board, this too is also acknowledged. All Board Members attend meetings in their own time and at their own expense and indeed give their time freely to the IGI.

On behalf of IGI, I would like to gratefully acknowledge the support of Arup in providing the Board meeting venues / facilitating conference calls during the past year.

The work of Morgan Burke and the Validation Committee who continues to ensure that applications are reviewed and validation interviews held in a timely manner is acknowledged.

***EurGeol Claire Clifford PGeo***

***Honorary Secretary, July 2018***

### 3 HON. TREASURER'S REPORT

A copy of the 2017 (draft) Financial Statements for the IGI as prepared by Kieran Ryan & Co, Chartered Accountants and Registered Auditors, is attached to the Annual Report. This is the eight year Kieran Ryan & Co. has audited the Institute's accounts and prepared its financial statement. The financial statement reflects the Institute's financial position to the year end 31<sup>st</sup> December 2017.

The Institute realised a surplus in 2017 of €39,812.

Total income for 2017 was €74,473 and total expenditure was €34,689 for the year.

The current balance of the accounts is high due to the incoming funds from the EFG from the IGI participation in H2020 projects. While part of this funding needs to be spent on H2020 activities, overall the Board have additional funds available this year. To date, some of this funding has been spent on improving the IGI website and increased funding towards courses run. The Board would welcome suggestions from members on how to spend the additional funds.

***EurGeol Cian O'Hora PGeo***

***Hon. Treasurer, July 2018***

## 4. IGI COMMITTEE / WORKING GROUP REPORTS

### 4.1 VALIDATION COMMITTEE

The Validation Committee held two validation interview sessions since the last AGM held in June 2017. A total of seven applicants were approved for professional membership during the period.

On the 20<sup>th</sup> March 2018 a panel comprising Morgan Burke, Cecil Shine and Mark Conroy interviewed five candidates:

- i) **Natalie Duncan**
- ii) **Noreta Daly**
- iii) **Kate Corcoran**
- iv) **Sarah Blake**
- v) **Orla Murphy**

All candidates met the required educational and technical criteria and were recommended by the interviewing panel for acceptance as Professional Geologists.

On the 26<sup>th</sup> March 2018 a panel comprising Morgan Burke, Gerry Stanley and Sean Finlay interviewed two candidates:

- i) **Emily Fejes**
- ii) **Keith Byrne**

Both candidates met the required educational and technical criteria and were recommended by the interviewing panel for acceptance as Professional Geologists.

Twenty applicants for the MIT category were approved during the past year:

- i) **Sara Raymond**
- ii) **Damien Doherty**
- iii) **Greg Balding**
- iv) **Rebecca Bradford**
- v) **Tomas O'Sullivan**
- vi) **James McSweeney**
- vii) **Rebecca Furlong**
- viii) **Luke Daniels**
- ix) **James Cashen**

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- x) **Laura McGrath**
- xi) **Denis McCarthy**
- xii) **Alex Orrell**
- xiii) **Sarah Worth**
- xiv) **John Duggan**
- xv) **Cian O'Meara**
- xvi) **Darragh Ennis**
- xvii) **Hannah McGillicuddy**
- xviii) **Kevin Murphy**
- xix) **Colm Driver**
- xx) **Alice Mitchinson**

The mix and competence of candidates interviewed and assessed in the past year has demonstrated the varied disciplines in the IGI, extending from mineral geology, to hydrogeology, to environmental geology. The elected candidates are a welcome addition to the collective experience of IGI members.

***EurGeol Morgan Burke PGeo.***

***Chair of the Validation Committee***

## 4.2 STRATEGIC PLAN

In April 2018 a working group consisting of board members Catherine Buckley, Mairéad Glennon, Ed Slowey and past president Gareth LI Jones convened to develop a new 6-year strategic plan for the IGI for the 2019-2024 period. The plan will identify priority objectives and activities for the IGI in the 2019-2024 period. As part of planning for the new strategy, IGI members, key IGI stakeholders and the wider geoscience community will be consulted by way of a questionnaire.

The overarching aim of the strategy will be to renew and modernise IGI's mission to represent the profession and practice of geoscience in Ireland. Major societal and economic change has taken place over the 19 years since the foundation of the IGI and a strategy review is now necessary to ensure that the IGI is appropriately representing the modern-day interests of the profession and supporting members to gain accreditation and maintain professional standards. The strategy will serve as a blueprint for the incoming board each year and strategy implementation will be overseen by a Head of Strategy drawn from the IGI Past Presidents on a long term basis.

***EurGeol Mairead Glennon PGeo***



## 4.3 SPECIALIST REGISTERS

### 4.3.1 RoGEP

The UK Register of Ground Engineering Professionals (RoGEP) which is a specialist register maintained by the Institution of Civil Engineers (ICE), the Institute of Materials, Minerals and Mining (IoM3) or the Geological Society of London (GSL), provides a means to identify individuals who are suitably qualified and competent in ground engineering from the background of consultants, contractors, public bodies or academia. Those on the register may be involved in various disciplines or on various projects that fall within the broad heading of ground engineering. They must have an appreciation of other disciplines and interests that extend beyond, but interface with, ground engineering. They must be able to demonstrate how ground engineering interacts with other technical professions.

The IGI along with Engineers Ireland have signed an agreement which will allow the setting up of an Irish branch of RoGEP. The first eight Irish RoGEPs nominated by Engineers Ireland have just been registered and three more nominated by the IGI are due to be registered over the coming months. These individuals will then act as references and also assessors for the next wave of RoGEPs from Ireland.

One of the purposes of the register is to provide a means of demonstrating the ground engineering competences, for example those required for the roles of Ground Engineering Professional, Ground Engineering Specialist and Ground Engineering Adviser, as defined by the Site Investigation Steering Group (SISG) and other specifications, codes and standards.

There are three grades of registrants:

Registered Ground Engineering Professional

Registered Ground Engineering Specialist

Registered Ground Engineering Adviser

If you are interested in applying for this please don't hesitate to contact the IGI office.

***EurGeol Eoin Wyse PGeo***

### 4.3.2 Pyrite Register

There was one applicant to the pyrite register over the past 12 months.

Ciara Bannon applied for entry to the pyrite register and her application was accepted on 4th July 2018 after review by EurGeol Eoin Wyse PGeo and EurGeol Marie Fleming PGeo.

#### ***EurGeol Eoin Wyse PGeo***

### 4.3.3 Register of Professional Qualified Geoscientists/Competent Persons: Regulated and Unregulated Waste Disposal/Contaminated Land Assessments

The IGI continues to maintain the Contaminated Land Register for Professional Members who meet the competency requirements as set out in the EPA Code of Practice Environmental Risk Assessment for Unregulated Waste Disposal Sites.

The Register lists professionally competent and accredited geologists (Professional Geologist, PGeo, or equivalent international mutually recognised title, such as Chartered Geologist, CGeol (UK), who have demonstrable experience and expertise to carry out risk-based assessments of historical unregulated landfill sites and contaminated lands sites.

The onus is on each professional Member to ensure they meet the competency requirements. to self-regulate as a Competent Person as per the Code of Practice.

#### ***EurGeol Claire Clifford PGeo.***

#### 4.4 CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

The completeness and thoroughness of IGI's Continuing Professional Development ('CPD') process is critical to maintain the organisation's standing within the international geological community. Our CPD process has been closely scrutinised by all the professional bodies abroad with which we have mutual recognition agreements. It has been found to be sound, most recently through our successfully negotiated MRA with Geoscientists Canada. It is essential that our members fulfil their CPD obligations.

The format of the process has not changed in numerous years. Revisions in its format have only taken place once since its inception. The CPD requirements vary depending on whether a worker is full time or part time with higher hours required from those who work part time. A number of members have complained about this requirement and the Board have decided to debate this at the AGM.

In 2015 & 2016 a 100% CPD returns from PGeos was achieved. This was only successful through the threat of de-listing individuals by a specific date.

In the last twelve months there have been some delays in the process as the selection and settling in process of our new Executive Secretary took place. As of now, the process of compiling 2017 CPD returns is close to completion. Of the 194 professional members currently listed, 160 CPD files have been received. Two members have waivers for the year and six are newly approved PGeo's whose CPD obligations begin in 2018. This means that 26 members are currently in default of their membership obligations. Of the 33 Members-in-Training in the database, nine are newly approved members whose CPD obligations will begin in 2018. Of the remaining 24, 11 have submitted CPD returns to date.

The task of contacting members individually is onerous and time consuming and all members are encouraged to comply with the deadlines for CPD submission. Standard pursuit of these returns has been undertaken and members that are in default will be encouraged using the ultimate carrot of delisting at the end of this month. As necessary, defaulters are threatened with delisting to prompt those who have forgotten. This process must and will continue. However, if some PGeos genuinely cannot return CPD forms or pay fees due to extenuating circumstances, these cases are dealt with individually.

The CPD audit is carried out each year on a random 10-25% of the returns is an absolutely necessary part of the process and is a requirement by other bodies for mutual recognition. This is undertaken by a panel to spread the load of undertaking CPD audits and this is composed of members from different specialties. In the main it appears the CPD returns are being completed correctly and fairly. A total of 28 members had their 2016 CPD returns audited in 2017. Of the 28, five required some follow up to ensure their CPD returns were in compliance with requirements.

The CPD process is fundamental to the integrity of the PGeo title conferred on professional Members of the IGI. Members are thanked for their commitment to the process.

As noted above, there has been little change in the format of the CPD forms that members fill in annually. It is tried and tested. If it ain't broken don't fix it. However, the Board are open to suggestions regarding any upgrading of the format that members might have.

Discussion at Board level has acknowledged that the CPD exercise is the one annual opportunity to interact with all PGeo members. The question has been raised whether this opportunity could be made better use of. As an example to illustrate this, the forms might specifically ask what workshops, lecture topics or training courses the member would prioritize to achieve their CPD goals. The IGI could note members preferences in developing the annual training schedule. The Board would welcome feedback on this issue.

***EurGeol Dr. Bill Sheppard PGeo***

## 4.5 LECTURES AND COURSES

As part of the IGI's commitment to Continuing Professional Development, a number of technical courses were held in 2017/2018, which are summarised below. Further workshops and courses, to address the CPD needs of Members, are planned for the latter half of 2018. The membership are invited to make a suggestion for the type of course they would be interested in.

### 4.5.1 IGI Course on Economic Evaluations for Mineral Exploration Projects – 20 & 21 March 2018

A two-day course 'Economic Evaluations for Mineral Exploration Projects' was held on 20<sup>th</sup> & 21<sup>st</sup> March 2018 at the Irish Management Institute in Dublin. The course was presented by Mr Larry Smith, a Canadian mining engineer with over 40 years' experience in economic evaluations and project engineering. He is an adjunct professor at the University of Toronto and a CIM Distinguished Lecturer.

The course had a full complement of 21 participants, comprising Irish-based geologists from the exploration and mining sectors, including consultants and representatives of State bodies. Topics covered included the preparation of cash flow spreadsheets for advanced exploration and evaluation studies, as well as valuation of exploration properties, risk assessment, due diligence, etc.

A feedback questionnaire was completed by participants at the end of the course and the general consensus was that it was very useful, especially for those involved in advancing mineral exploration projects through feasibility study to eventual development.

***EurGeol Ed Slowey PGeo***



***View during Economic Evaluation course presentation at the Irish Management Institute***



***Participants in Economic Evaluation course at the IMI***

Company number 314400. Directors: , Catherine Buckley, Henning Moe, Claire Clifford, Cian O'Hora



Member of the  
European Federation  
of Geologists

**The Institute of Geologists of Ireland**

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#### 4.5.2 Geotechnical Soil & Rock Logging Course – November 2017

This two day course was given by Professor David Norbury engineering geologist. David is a leading expert in ground investigation and is the author of Eurocode 7 – BS5930 which is the standard for site investigation in Ireland and UK.

This course was initially run in March 2017, however due to significant demand it was run twice in November 2017 over the course of 4 days.



**Photo: Professor David Norbury**

Company number 314400. Directors: Catherine Buckley, Henning Moe, Claire Clifford, Cian O'Hara



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The aim of the course was to impart on our younger geotechnical engineers/engineering geologists, and those who may not have had formal logging training the process of logging and describing soil and rock in accordance with Eurocode 7 – BS 5930 so that they understand the standardisation of this process.

Thanks to IGSL for providing rock core and soil samples for the course and to the Geological Survey of Ireland for providing the venue.

***EurGeol Catherine Buckley PGeo***

***IGI President***

#### **4.6 NSAI WORK**

Over the past 12 months work has been ongoing in a number of topics relating to the use of defective or deleterious material in construction products.

On 4<sup>th</sup> August 2017, a revised version of IS 398-1 was issued. This document, “Reactive Pyrite in Sub-Floor Hardcore Material – Part 1: Testing and Categorization Protocol”, relates to the assessment of houses affected by pyrite related heave and outlines the approach which should be adopted when investigation cases of alleged pyrite related heave. This document replaced the earlier version of the same document issued in 2013 and was amended to reflect the observations and findings from the past 4 years.

At the time of writing, a new standard is currently out for public consultation, IS 465 “Assessment, Testing and Categorisation of Damaged Buildings incorporating Concrete Blocks containing Deleterious Materials”. The public consultation is due to close on July 18<sup>h</sup>.

The IGI would like to thank the following PGeo’s who have been involved in the writing of both documents: EurGeol Gerry Stanley PGeo, Dr Robbie Goodhue PGeo, EurGeol John Kelly PGeo, EurGeol Tom Moore PGeo and EurGeol Eoin Wyse PGeo.

***EurGeol Eoin Wyse PGeo***



## 4.7 ETHICS AND DISCIPLINARY COMMITTEES 2017-2018

The Ethics & Conduct committee can confirm that no complaints were adjudicated on in the last year.

The Members of the Ethics Committee are EurGeol Dr. Jonathan Derham PGeo (Chair), EurGeol Dr. John Ashton PGeo and EurGeol Dr. Matthew Parkes PGeo.

The Members of the Disciplinary Committee are EurGeol Dr. Eibhlín Doyle PGeo (Chair), EurGeol Dr. Deirdre Lewis and PGeo EurGeol Nick O'Neill PGeo.

The current Members of both the Ethics and Disciplinary Committees have kindly agreed to serve for another year.

## 4.8 COMMUNICATIONS

### 4.8.1 Website

The redeveloped IGI website was maintained by Eamonn Kelly, SLR Consulting Ltd and assisted by Peter Heath, GSI. The new platform gives a modern and user-friendly look and feel and has been well received by all.

The website easily shows all upcoming events, and provides easy links to latest news, the IGI LinkedIn pages and Twitter profile. Recent updates include updates on committee members and the “Free to Join” membership to students.

### 4.8.2 LinkedIn group

The IGI's LinkedIn Group continues to be a useful forum for promoting events and news. Although this information is also disseminated on an email list, LinkedIn facilitates discussions and comments on posts for members within the group. The Group administrator is Karen-Lee Ibbotson.

### 4.8.3 Twitter

The IGI Twitter account is becoming increasingly popular with new followers, follow us @IGI\_PGeo. A social media presence has become an essential aspect of any outward-facing communications strategy, providing a forum for the public dissemination of IGI news in an informal way. From a year ago, the number of followers of @IGI\_PGeo has increased 434 to 623. The account provides fast news, content and links to geoscience in Ireland. The IGI twitter account is managed by Karen-Lee Ibbotson.

### 4.8.4 Weekly Bulletin

The weekly bulletin continues to serve as a useful communication tool, identifying upcoming course and lectures as well as advertised positions in the geosciences. The bulletin is particularly useful to new members in assisting them with the understanding of the organisation and the regular events held across the country.

### 4.8.5 Engagement with third level institutions

The board recognises the need for dedicated activities to engage with third level institutions in order to attract more student and early-career stage members. A vote at the EGM changed the fee for students to zero. A presentation was drafted to deliver to third level institutions. Presentations are being delivered as academic terms, availability of members etc. dictate. The IGI was represented at the Irish Geological Research Meeting in UCC in March 2018, reaching students from third level institutions across the island. The IGI had a stand presence at the Early Careers Symposium in Galway (11<sup>th</sup>/12<sup>th</sup> January, 2018). Future initiatives will aim to form links with university geoscience departments to promote the benefits of IGI membership to students. As a result of our efforts in the past year student membership has increased from 3 to 20 members and is climbing steadily.

Feedback from our representation at events was that our stand and promotional material requires enhancement. This is underway and a recent photography competition amongst our members has assisted in identifying imagery for our new stands.

***EurGeol Dr. Jon Hunt PGeo***

## 4.9 THE IGI MENTORING SCHEME

The IGI established a free, voluntary mentorship scheme for members in 2016 in order to support the career development of IGI members. The scheme has been supporting members in order to prepare for chartership, develop Personal Career Plans within the IGI CPD framework and to manage career changes which many of us experience as geoscience professionals. Participation in the scheme as a mentor or mentee is also eligible for CPD of up to 10 hours per year.

In order to support Mentoring Scheme participation, a mentoring workshop was run by IGI and delivered by executive coaches John and Trudy Arthurs in April 2018. Although participation in the course was relatively low (8 attendees resulting in the course running at a loss), feedback from the 1-day workshop was very positive and resulted in new mentors being added to the IGI's mentor list which currently has 12 mentors.

Priorities for the future of Mentoring Scheme will be to formally gauge the level of participation by undertaking a review of CPD hours recorded against mentoring activities. The IGI strongly recommends attendance at a Mentoring workshop before volunteering as a mentor, in order to reduce the risk of poor mentoring relationship outcomes and to ensure quality for mentees. For future mentoring workshops to be economically viable for the IGI and members, a more concerted and focussed effort to attract prospective mentors and mentees into participation is required and this will be addressed as part of the IGI's new 6-year strategy. The gender profile of the mentor list is currently 83% male and 17% female, so increasing female representation and participation in both mentor and mentee roles will also be a priority. The IGI will consider linkages with other organisations to increase mentoring activities and welcomes feedback from members on the scheme.

***EurGeol Mairead Glennon PGeo***

## 5 REPRESENTATIONS: DELEGATE REPORTS

### 5.1 EUROPEAN FEDERATION OF GEOLOGISTS (EFG)

The European Federation of Geologists is a non-governmental organisation that was established in 1980 and includes today 26 (Romania have joined and Denmark may not remain a member) national association members and two associated members American Institute of Professional Geologists (AIPG) and Geoscientists Canada. EFG is a professional organisation whose main aims are to contribute to a safer and more sustainable use of the natural environment, to protect and inform the public and to promote a more responsible exploitation of natural resources. EFG's members are National Associations (NAs), whose principal objectives are based on similar aims. The guidelines to achieve these aims are the promotion of excellence in the application of geology and the creation of public awareness of the importance of geoscience for society.

The IGI Delegates to the EFG for 2017/8 were Gerry Stanley, Eoin Wyse and Jon Hunt. Marie Fleming (IGI) is chair of the EFG Registration Authority.

During 2017, the EFG continued to promote the professional mobility and status of geologists in the 26 member states across Europe, through the expanding use and recognition of the EurGeol title, involvement in EU funded projects, making representations to the EU Commission and liaison with other international geological bodies. National and international awareness of the profession is maintained through publication of the *European Geologist* journal and the EFG newsletter, close liaison with the EU parliament and via its own web site at [www.eurogeologists.eu](http://www.eurogeologists.eu).

The EFG is run by a Council consisting of delegates from all member national associations such as the IGI, from which a 5-member Board is elected. Each member country has one vote at Council Meetings. The current EFG President is Vítor Correia from Portugal whose term of office will end this November. The Council meets twice a year with a Winter Council meeting held in November/December in Brussels and a Summer Council member held in May/June in one of the member countries. The executive authority of the Council is enacted by the Board, which is appointed for a two year term and comprises a President, Vice-President, General Secretary, Treasurer and External Relations Officer. The Board meets four to six times per year, mostly in Brussels, with the day to day business of EFG maintained within the Board by email.

Three meetings of Council in 2017/18 were as follows:

### **May 2017**

Marie Fleming attended the 2017 Spring Council meeting in Santorina on the 20/21<sup>st</sup> May. The meeting was preceded by the first **EuroWorkshop** on geothermal energy.

EuroWorkshops are a new form of professional training that EFG offers to European Geologist title holders and other geoscientists. This new type of training activity (CPD certified) encourages the professional exchange of ideas and the contacts between geologists from all over Europe and aims to strengthen the European idea within the family of geoscientists. The EuroWorkshops also provide applied training for students and young professionals to actively encourage their involvement at an early stage and to contribute to their understanding of the EFG.

### **November 2017**



Jon Hunt attended the Winter Council meeting in Brussels on the 11<sup>th</sup>/12<sup>th</sup> November 2017.

The main focus of the meeting was on the EFG proposals for EU funded H2020 projects in the geosciences, EFG Strategic Plan, EURGeol title in relation to competence, transfer of the EFG HQ from Paris to Brussels and the EFG mentoring programme. Iain Stewart MBE FGS was awarded with the EFG Medal of Merit for his contribution to the elevation of the profile of geoscience around the world. The title of the 44<sup>th</sup> Issue of European Geologist Journal was decided upon: “Geology and a Sustainable Future”. New projects under H202 were announced – “Innovative, non-invasive and fully acceptable exploration technologies” and “International observatory of raw materials training centres”.

**May 2018**

Jon Hunt attended the Spring Council meeting in Izmir, Turkey on the 19<sup>th</sup>/20<sup>th</sup> May 2018.

The main focus of the meeting was on the EFG Strategic Plan 2018 to 2022, EURGeol App, CPD reporting structure, H2020 projects, board elections and Romania's application for EFG membership:

- Strategic Plan – Accepted with minor revisions. All NAs to identify their own priorities in the strategy to inform the board. Objectives the strategy will subsequently be prioritised.
- EurGeol App - designed to make things easier for NAs that may not have such a clear reporting mechanism and procedure as IGI. Also for younger generation to access EFG events etc.
- H2020 Projects – see below
- Board Elections – Michael Neumann re-elected to VP for further 2 years. Gabrielle Ponzoni re-elected for further 2 years. Election for new president at Winter Meeting 2018.
- Romania membership – Romanian delegates presented followed by unanimous vote to accept their membership application.
- Next meetings – Brussels (17<sup>th</sup>/18<sup>th</sup> November), Netherlands (25<sup>th</sup>/26<sup>th</sup> May 2019).



## EU Funded Projects

The IGI are currently involved as an EFG linked partner to the following H2020 projects:

### ***INTRAW - International cooperation on Raw Materials***

INTRAW project aims to map and develop new cooperation opportunities related to raw materials in Australia, Canada, Japan, South Africa and the United States, addressing:

- Research and innovation;
- Raw materials policies and strategies;
- Joint educational and skills programmes;
- Licensing and permitting procedures;
- Data reporting systems;
- Exploration, extraction, processing and recycling practices;
- Management and substitution of Critical Raw Materials.

The outcome of the mapping and knowledge transfer activities will be used as a baseline to set and launch the European Union's International Observatory for Raw Materials.

### ***KINDRA - Knowledge Inventory for hydrogeology research***

The IGI, as the national member association of the European Federation of Geologists, participated in the pan-European KINDRA project. The KINDRA project is an EU-wide assessment of existing groundwater-related practical and scientific knowledge, based on a new Hydrogeological Research Classification System (HRC-SYS). This classification is supported by a web-service – the European Inventory of Groundwater Research (EIGR) – which acts as a knowledge repository as well as a tool to help identify relevant research topics, existing research trends and critical research challenges. The results are intended to be useful for producing synergies, implementing policies and optimising water management in Europe.

During the past year, the IGI has participated in the development of the EIGR, by providing information on the main institutions involved in groundwater research in Ireland and by submitting relevant information for the development of the meta-database that underpins the EIGR. The EIGR was launched at the end of April 2017, and is accessible free of charge through simple online registration. For further information, please refer to [www.kindraproject.eu](http://www.kindraproject.eu) or contact [info@igi.ie](mailto:info@igi.ie).

***UNEXMIN - Autonomous Underwater Explorer for Flooded Mines***

This H2020 project is aimed at developing novel robotic systems for the autonomous exploration and mapping of Europe's flooded underground mines.

The Robotic Explorer (UX-1) uses non-invasive methods for autonomous 3D mine mapping for gathering valuable geological and mineralogical information. The aim of this technique is to develop new exploration scenarios so that strategic decisions on the re-opening of Europe's abandoned mines can be supported by actualised data that cannot be obtained by any other means. The Multi-robot Platform represents a new technology line that is made possible by recent developments in autonomy research that allows the development of a new class of mine explorer service robots, capable of operating without remote control. Such robots do not exist at present. Research challenges include miniaturisation and adaptation of deep sea robotic technology to this new application environment and to the interpretation of geoscientific data.

***CHPM - Combined Heat, Power and Metal extraction from ultra-deep ore bodies***

The CHPM2030 project (project number: 654100) aims to develop a novel, pilot level technology which combines geothermal resource development, minerals extraction and electro-metallurgy in a single interlinked process. In order to improve the economics of geothermal energy production the project will investigate possible technologies of manipulating metal-bearing geological formations with high geothermal potential at a depth of 3-4 km in a way that the co-production of energy and metals will be possible and may be optimised according to the market demands in the future. Led by the University of Miskolc, the project will be implemented in the cooperation of 12 partners from 10 European countries.

***EurGeol Dr. Jon Hunt PGeo***



## 5.2 IRISH GEOSCIENCE NETWORK

The Irish Geoscience Network met on 21<sup>st</sup> February 2018 at IGI HQ in Merrion Square. A new member organisation was welcomed to the network, the Ireland Brownfield Network, represented by Anne Marie Casey.

Topics covered on the evening included:

- General Data Protection Regulations compliance and its implications for IGN members. The IGI is seeking legal advice and will pass on some guidance to members.
- Major upcoming events including IMQS 60<sup>th</sup> anniversary Sept 2018, INQUA 2019 and IGI 20<sup>th</sup> anniversary 2019.
- Geoscience content and resources in second and third level education.
- Upcoming events including INQUA 2019 and possibility of a conference to celebrate 20 years of the IGI.
- The Petroleum and Other Minerals Development (Amendment) (Climate Emergency Measures) Bill 2018.

***EurGeol Mairead Glennon PGeo***

### 5.3 PAN-EUROPEAN RESERVES AND RESOURCE REPORTING COMMITTEE (PERC)

The Pan-European Reserves and Resources Reporting Committee (PERC) is constituted to promote best practice in the public reporting of Exploration Results, Mineral Resources and Mineral Reserves. In this context PERC is responsible for managing the PERC Reporting Standard and serves as the CRIRSCO National Reporting Organisation (NRO) for Europe including (but not restricted to) countries of the European Union and European Economic Area. European countries excluded from the scope of PERC include Russia and any other countries which have defined reporting standards that are recognised as aligned with the CRIRSCO Template and have their own representation in CRIRSCO.

PERC provides a forum representing a broad spectrum of national interests concerning public reporting including professional accreditation and competence, industry, technical consultancy, finance, regulation and related agencies.

The formation of PERC recognises the need for the provision of accredited Competent Persons, for the coordination and application of reporting standards at national and international level within Europe, and for a single point of contact on these issues.

#### 5.3.1 Participating Organisations and Membership

PERC was established by four professional organisations, namely:

- the Institute of Materials, Minerals, and Mining (IOM3);
- the European Federation of Geologists (EFG);
- the Geological Society of London (GSL); and
- the Institute of Geologists of Ireland (IGI).
- 

At the 2017 AGM, two new organisations, were accepted as participating organisations, namely:

- Iberian Mining Engineers Board (IMEB) – representing mining engineers from Spain and Portugal; and
- Fennoscandian Association for Metals and Minerals Professionals (FAMMP) – representing mining professionals from Finland, Norway and Sweden and which replaces the role previously fulfilled by the Fennoscandian Review Board (FRB)

Both IMEB and FAMMP were not included in the PERC list of RPOs at that time since more work was needed in finalising the requirements for professional members of both organisations in the

context of demonstrating competence. Both organisations have supported and contributed to the work of PERC and are now represented on the Committee. An updated PERC list of RPOs is currently under review by the PERC Executive.

The six professional organisations are entitled to appoint four representatives each to PERC. Additional committee members with specialist knowledge or interests are co-opted onto PERC from time to time. The current membership of the Committee is listed on the PERC website at: <http://www.percstandard.eu/>.

The participating professional organisations accredit their members with professional qualifications which are recognised as meeting the requirements for their members to act as Competent Persons.

### **5.3.3 Summary of activities during 2017/2018**

#### PERC Executive

At this year's AGM which was held in May 2018, for personal reasons Eddie Bailey stepped down as PERC Chairperson and CRIRSCO representative, and also stepped down as a member of PERC. His contributions and commitment over the years to the function of PERC and CRIRSCO were noted.

Also for personal reasons Mark Howson stepped down as Secretary but remains on the Committee.

Ed Sides took over as Secretary at the 2018 AGM. Neil Wells remains as Deputy Chairman and one of PERC's CRIRSCO representatives. Ruth Allington remains as Treasurer.

In September 2018, Pim Demecheleer was appointed as Chairperson of PERC and Ed Sides as the second PERC Representative to CRIRSCO.

#### New participating organisations (IMEB and FAMMP)

As previously reported, two new organisations have been established in Europe and accepted in principle as participating organisations of PERC, namely: the Iberian Mining Engineers Board (IMEB) and the Fennoscandian Association for Metals and Minerals Professionals (FAMMP)

At the time of the PERC AGM in May 2018, both organisations were working on the completion of their registration processes for professional members. At present members of IMEB and FAMMP are not recognized as Competent Persons.

Following review of documents submitted to PERC for review, comments by PERC were submitted as follows:

- a) to FAMMP concerning a draft version of the FAMMP Statutes and the proposed process for transferring FRB members to membership of FAMMP; and
- b) to IMEB concerning their proposed process for accrediting professional members.

Both organisations have recently submitted revised versions of these documents in which the issues raised by PERC have now been addressed and the PERC Executive has agreed (9-Jul-18) that the relevant membership category of both organisations can now be added to the PERC list of RPOs, with the relevant membership categories approved as necessary for demonstrating competence.

A revised list of RPOs has been prepared and circulated to the rest of the Committee for review. The revised list of PERC RPOs will be published on the PERC website following formal approval of the draft list.

Contacts will then be made with the other CRIRSCO NROs in order to establish reciprocal recognition of these new membership categories as RPOs by other NROs.

#### Training sub-committee

There was limited activity on training during the course of the year. Individual committee members (e.g. Ed Sides and Ruth Allington) continue to provide training as part of their day to day professional activities. A presentation summarising the PERC Standard prepared by Ed Sides has been circulated for review by the Committee with a view to being made available for more general usage.

Ed Sides stepped down as Chairman of the Training sub-committee at the 2018 AGM. Simon Collins of Aggregate Industries has taken over this role.

#### Standard Update sub-committee

The Standard sub-committee is chaired by Steve Henley. Following the official release of the updated PERC Standard 2017, a process of review and consideration of further changes has now been initiated with a view to publishing an updated version in 2020 or 2021.

Initial discussion on these topics has been initiated and a discussion board has been set up to facilitate exchange of ideas (using an online project management platform).

### Financial sub-committee

This sub-committee has been inactive during the past year as it has had no Chairperson. Steps are underway to reactivate the sub-committee in order to start promoting PERC more actively to regulators, stock exchanges and financial authorities within Europe.

### Dimension stone sub-committee

The dimension stone sub-committee is chaired by Marco Cosi.

At the 2018 PERC AGM it was suggested that the sub-committee could be disbanded now that a section on dimension stones has been incorporated into the PERC Standard. Marco Cosi argued against this as he reported that there is increasing interest in public listings by some dimension stone companies and it would be useful to continue to have a forum for discussion of this specific topic.

After discussion it was agreed that the dimension stone sub-committee would remain in place for the time being.

### Project work

PERC has been an active participant in several EU funded projects, in particular the INTRAW and MINATURA projects, which provide a source of revenue to support the Committee's activities.

**EurGeol Dr. Edmund Sides PGeo,**

**PERC Secretary**

**16<sup>th</sup> October 2018**

## **6 INTERNATIONAL AGREEMENTS**

### **6.1 MUTUAL RECOGNITION AGREEMENTS (MRAs)**

The IGI now has six MRAs with the following organisations with their respective country in parentheses:

- i) Australian Institute of Mining and Metallurgy – AusIMM (Australia).**
- ii) Geoscientists Canada – GC (Canada).**
- iii) European Association of Geoscientists and Engineers – EAGE (International).**

- iv)** Southern Africa Institute of Mining and Metallurgy – SAIMM and the Geological Society of South Africa – GSSA jointly sponsoring the SAMREC and SAMVAL Committee – SSC (South Africa).
- v)** Geological Society of London – GeoSoc (United Kingdom).
- vi)** American Institute of Professional Geologists – AIPG (USA).

The importance of maintaining these MRAs, based on continuing professional development (CPD) and ethically good professional practice cannot be overstated, given the international nature of geological practice and the mobility of IGI's membership. During the year our efforts were thanked by several Irish people now working in Canada who have been able to join Geoscientists Canada through the fast-track mechanism afforded by the MoU with GC.



## 7 NOTICE OF ANNUAL GENERAL MEETING

**Notice is hereby given that the Annual General Meeting of the Institute of Geologists of Ireland Limited will be held at 5.00 p.m. Thursday 26<sup>th</sup> July 2018 at the IGI Offices, No. 63 Merrion Square for the following purposes:**

- i)** To receive and consider the Directors' Reports.
- ii)** To receive and consider the Audited Accounts for year ended December 31<sup>st</sup> 2017.
- iii)** To elect Directors.
- iv)** To transact any other ordinary business of the Annual General Meeting.

By Order of the Board

***EurGeol Claire Clifford PGeo***

***Honorary Secretary Dated 25<sup>th</sup> of May, 2018***

## 8 NOMINATIONS FOR DIRECTORS

The Nominations Committee, under the Chair of the Nominations Committee Marie Fleming (immediate Past-President), has presented the following list of candidates to stand for election at the forthcoming Annual General Meeting on 26<sup>th</sup> July 2018.

### **Executive Directors:**

<b>President:</b>	EurGeol Catherine Buckley PGeo	(2 <sup>nd</sup> year of 2 year term)
<b>Vice-President:</b>	EurGeol Dr. Henning Moe PGeo	(2 <sup>nd</sup> year of 2 year term)
<b>Treasurer:</b>	EurGeol Cian O'Hora PGeo	(2 <sup>nd</sup> year of 2 year term)
<b>Secretary:</b>	EurGeol Mairead Glennon PGeo	(1st year of 2 year term)

### **Non-Executive Directors:**

EurGeol Jon Hunt PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Bill Sheppard PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Ed Slowey PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Eoin Wyse PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Susanne Tynan PGeo	(1st Year as a Board Member)
EurGeol Paul Mc Dermot PGeo	(1st Year as a Board Member)

### **NOMINATIONS COMMITTEE (*Comprising Past Presidents*)**

EurGeol Marie Fleming PGeo (Chair)  
EurGeol Gerry Stanley PGeo  
EurGeol Dr. Deirdre Lewis PGeo  
EurGeol Dr. John Kelly PGeo  
EurGeol Kevin Cullen PGeo  
EurGeol Gareth Ll. Jones, PGeo  
EurGeol Dr. Eibhlín Doyle PGeo  
EurGeol Peter O'Connor PGeo  
EurGeol John Clifford PGeo

No additional nominations to those above made by the Nominations Committee were received by the IGI Secretary by the deadline of the 14<sup>th</sup> July 2018.



## 9 IGI CORPORATE STRUCTURE

<b>IGI OFFICE</b>	63 Merrion Square Dublin 2
<b>WEBSITE</b>	<a href="http://www.igi.ie">www.igi.ie</a>
<b>EXECUTIVE SECRETARY</b>	Ms. Karen-Lee Ibbotson PGeo ( <a href="mailto:info@igi.ie">info@igi.ie</a> )
<b>WEBMASTER</b>	Mr. Eamonn Kelly <a href="mailto:ekelly@slrconsulting.com">ekelly@slrconsulting.com</a>
<b>AUDITORS</b>	Kieran Ryan & Co. Chartered Accountants and Registered Auditors 20 Upper Mount Street, Dublin 2
<b>BANKERS</b>	Bank of Ireland, College Green, Dublin 2
<b>IGI REGISTERED OFFICE</b>	6 Northbrook Road, Dublin 6
<b>COMPANY NUMBER</b>	31440
<b>CHARITY NUMBER</b>	CHY 13580
<b>REGISTERED CHARITY NUMBER</b>	20042721

### IGI Board Members (2017-2018: Outgoing)

#### Executive Directors

<b>President:</b>	EurGeol Catherine Buckley PGeo
<b>Vice President:</b>	EurGeol Henning Moe PGeo
<b>Secretary:</b>	EurGeol Claire Clifford PGeo
<b>Treasurer:</b>	EurGeol Cian O'Hora PGeo

#### Non-Executive Directors:

PGeo EurGeol Mairead Glennon  
PGeo EurGeol Dave Blaney  
PGeo EurGeol Ed Slowey  
PGeo EurGeol Jon Hunt  
PGeo EurGeol Bill Sheppard  
PGeo EurGeol Eoin Wyse

#### EFG National Licensed Body

The IGI is licensed by the European Federation of Geologists to award the professional title of European Geologist (EurGeol). The IGI's NLB Licence was renewed in 2016 for 5 years.

## **Standing Committees (2017-2018)**

### **Ethics Committee**

EurGeol Dr. Jonathan Derham, PGeo (Chair)

EurGeol Dr. John Ashton, PGeo

EurGeol Dr. Matthew Parkes, PGeo

### **Disciplinary Committee**

EurGeol Dr. Eibhlín Doyle PGeo (Chair)

EurGeol Dr. Deirdre Lewis PGeo

EurGeol Nick O'Neill, PGeo

### **Validation Committee**

EurGeol Morgan Burke PGeo (Chair)

EurGeol Mark Conroy PGeo

EurGeol David Blaney PGeo

EurGeol Eibhlín Doyle PGeo

Sean Finlay PGeo C.Eng

EurGeol Gerry Stanley PGeo

EurGeol Cecil Shine PGeo

### **CPD Audit Committee**

EurGeol Catherine Buckley PGeo (Chair)

EurGeol Bill Sheppard PGeo (Chair)

**IGI Representation on Geoscience Bodies****Organisation**

European Federation of Geologists

GSI Consultative Committee

GSNI Consultative Committee

**IGI Representative**

EurGeol Eoin Wyse PGeo

EurGeol Jon Hunt PGeo

EurGeol Marie Fleming PGeo

EurGeol Dr. John Kelly PGeo

**Founding Sponsoring Bodies**

The IGI was established in 1999 with the support of the following sponsoring bodies:

- The Irish Association for Economic Geology [www.iaeq.org](http://www.iaeq.org)
- The Geophysical Association of Ireland [www.gai.ie](http://www.gai.ie)
- The International Association of Hydrogeologists (Irish Group) [www.iahireland.org](http://www.iahireland.org)
- The Irish Mining and Quarrying Society [www.imqs.ie](http://www.imqs.ie)
- The Geotechnical Society of the Institution of Engineers of Ireland [www.iei.ie](http://www.iei.ie)

**Affiliated Bodies**

- The Geothermal Association of Ireland [www.geothermalassociation.ie](http://www.geothermalassociation.ie)

**Bodies with Reciprocal Links and/or Co-Operation Agreements**

- American Institute of Professional Geologists
- Australian Institute of Mining & Metallurgy (JORC Committee)
- Geological Society of London
- Geoscientists Canada
- Geological Society of South Africa.
- South African Institute of Mining & Metallurgy (SAMREC Committee)
- South African Council for Natural Scientific Professions
- European Association of Geoscientists and Engineers

**Bodies Recognising PGeo (or mutually recognised equivalent) Ireland:**

- Exploration and Mining Division, DCCAE - required for prospecting licence work reports
- Environmental Protection Agency - preferred for professional work and reports; obligatory for hydrogeological assessment of historic landfill sites
- Department of Education and Skills - preferred for professional work and reports
- An Bord Pleanála preferred for professional work and reports
- Local Authorities - preferred for professional work and reports; obligatory for hydrogeological assessment of historic landfill sites.

## **Stock Exchanges**

Ireland, Dublin

Stock Exchange UK,

London Stock Exchange

Australian Stock Exchange

Canadian Securities Administrators

South Africa, JSE Securities Exchange

Company number 314400. Directors: Catherine Buckley, Henning Moe, Claire Clifford, Cian O'Hora



*Member of the  
European Federation  
of Geologists*

**The Institute of Geologists of Ireland**

63 Merrion Square, Dublin 2, Ireland

Tel: +353 1 662 4914 e-mail: [info@igi.ie](mailto:info@igi.ie) web: [www.igi.ie](http://www.igi.ie)

## 10. AUDITOR'S REPORT FOR 2017

Company number 314400. Directors: Catherine Buckley, Henning Moe, Claire Clifford, Cian O'Hora



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**Company number: 314400**

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**

**DIRECTORS' REPORT AND FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED 31 DECEMBER 2017**

DRAFT

**Kieran Ryan & Co.  
Chartered Accountants and Statutory Audit Firm  
20 Upper Mount Street  
Dublin 2**

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
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**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
DIRECTORS AND OTHER INFORMATION**

<b>Directors</b>	Marie Fleming (Resigned 7 June 2017) Peter Glanville (Resigned 7 June 2017) James Hodgson (Resigned 7 June 2017) Catherine Buckley Henning Moe (Appointed 7 June 2017) Claire Clifford (Appointed 7 June 2017) Cian O'Hora (Appointed 7 June 2017)
<b>Company Secretary</b>	Claire Clifford (Appointed 7 June 2017) Peter Glanville (Resigned 7 June 2017)
<b>Company Number</b>	314400
<b>Charity Number</b>	13580
<b>Registered Office</b>	20 Upper Mount Street Dublin 2
<b>Business Address</b>	63 Merrion Square Dublin 2
<b>Auditors</b>	Kieran Ryan & Co. Chartered Accountants and Statutory Audit Firm 20 Upper Mount Street Dublin 2
<b>Bankers</b>	Bank of Ireland College Green Dublin 2
<b>Solicitors</b>	Hayes Solicitors Lavery House Earlsfort Terrace Dublin 2

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
DIRECTORS' REPORT  
FOR THE YEAR ENDED 31 DECEMBER 2017**

The directors present their report and the audited financial statements for the year ended 31 December 2017.

**Principal Activity**

The principal activity of the company is to promote and advance the science of geology and its professional application in all disciplines and to facilitate exchange of information and ideas in relation thereto.

The Company is limited by guarantee not having a share capital.

**Financial Results**

The surplus for the year amounted to €39,812 (2016 - €6,896).

At the end of the year, the company has assets of €98,268 (2016 - €72,423) and liabilities of €4,425 (2016 - €18,392). The net assets of the company have increased by €39,812.

**Directors and Secretary**

The directors who served throughout the year, except as noted, were as follows:

Marie Fleming (Resigned 7 June 2017)  
Peter Glanville (Resigned 7 June 2017)  
James Hodgson (Resigned 7 June 2017)  
Catherine Buckley  
Henning Moe (Appointed 7 June 2017)  
Claire Clifford (Appointed 7 June 2017)  
Cian O'Hora (Appointed 7 June 2017)

The secretaries who served during the year were;

Claire Clifford (Appointed 7 June 2017)  
Peter Glanville (Resigned 7 June 2017)

There were no changes in shareholdings between 31 December 2017 and the date of signing the financial statements.

**Future Developments**

The directors do not envisage any substantial changes to the nature of the company.

**Post Balance Sheet Events**

There have been no important events since the year-end.

**Auditors**

The auditors, Kieran Ryan & Co., Chartered Accountants and Statutory Audit Firm, have indicated their willingness to continue in office in accordance with the provisions of section 383(2) of the Companies Act 2014.

**Statement on Relevant Audit Information**

There is no relevant audit information of which the statutory auditors are unaware. The directors have taken all steps that they ought to have taken to make themselves aware of any relevant audit information and they have established that the statutory auditors are aware of that information.

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
DIRECTORS' REPORT  
FOR THE YEAR ENDED 31 DECEMBER 2017**

**Accounting Records**

To ensure that adequate accounting records are kept in accordance with sections 281 to 285 of the Companies Act 2014, the directors have employed appropriately qualified accounting personnel and have maintained appropriate computerised accounting systems. The accounting records are located at the company's office at 63 Merrion Square, Dublin 2.

**Signed on behalf of the board**

\_\_\_\_\_  
Catherine Buckley  
**Director**

\_\_\_\_\_  
Claire Clifford  
**Director**

**Date:** \_\_\_\_\_

DRAFT

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
DIRECTORS' RESPONSIBILITIES STATEMENT  
FOR THE YEAR ENDED 31 DECEMBER 2017**

The directors are responsible for preparing the Directors' Report and the financial statements in accordance with applicable Irish law and regulations.

Irish company law requires the directors to prepare financial statements for each financial year. Under the law the directors have elected to prepare the financial statements in accordance with the Companies Act 2014 and FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland", applying Section 1A of that Standard, issued by the Financial Reporting Council and promulgated by Chartered Accountants Ireland. Under company law, the directors must not approve the financial statements unless they are satisfied that they give a true and fair view of the assets, liabilities and financial position of the company as at the financial year end date and of the surplus or deficit of the company for the financial year and otherwise comply with the Companies Act 2014.

In preparing these financial statements, the directors are required to:

- select suitable accounting policies for the company financial statements and then apply them consistently;
- make judgements and estimates that are reasonable and prudent;
- state whether the financial statements have been prepared in accordance with applicable accounting standards, identify those standards, and note the effect and the reasons for any material departure from those standards; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for ensuring that the company keeps or causes to be kept adequate accounting records which correctly explain and record the transactions of the company, enable at any time the assets, liabilities, financial position and surplus or deficit of the company to be determined with reasonable accuracy and enable them to ensure that the financial statements and Directors' Report comply with the Companies Act 2014 and enable the financial statements to be audited. They are also responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

**Signed on behalf of the board**

\_\_\_\_\_  
Catherine Buckley  
**Director**

\_\_\_\_\_  
Claire Clifford  
**Director**

**Date:** \_\_\_\_\_

**INDEPENDENT AUDITOR'S REPORT  
TO THE MEMBERS OF INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY  
GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**

**Report on the audit of the financial statements**

**Opinion**

We have audited the financial statements of Institute of Geologists of Ireland Company Limited By Guarantee ('the company') for the year ended 31 December 2017 which comprise the Income Statement, the Balance Sheet, the Reconciliation of Members' Funds, the Statement of Cash Flows and the related notes to the financial statements, including a summary of significant accounting policies set out in note 2. The financial reporting framework that has been applied in their preparation is Irish Law and FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland", applying Section 1A of that Standard.

In our opinion the financial statements:

- give a true and fair view of the assets, liabilities and financial position of the company as at 31 December 2017 and of its surplus for the year then ended;
- have been properly prepared in accordance with FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland", applying Section 1A of that Standard; and
- have been properly prepared in accordance with the requirements of the Companies Act 2014.

**Basis for opinion**

We conducted our audit in accordance with International Standards on Auditing (Ireland) (ISAs (Ireland)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the company in accordance with ethical requirements that are relevant to our audit of financial statements in Ireland, including the Ethical Standard issued by the Irish Auditing and Accounting Supervisory Authority (IAASA), and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

**Conclusions relating to going concern**

We have nothing to report in respect of the following matters in relation to which ISAs (Ireland) require us to report to you where:

- the directors' use of the going concern basis of accounting in the preparation of the financial statements is not appropriate; or
- the directors have not disclosed in the financial statements any identified material uncertainties that may cast significant doubt about the company's ability to continue to adopt the going concern basis of accounting for a period of at least twelve months from the date when the financial statements are authorised for issue.

**Other Information**

The directors are responsible for the other information. The other information comprises the information included in the annual report other than the financial statements and our Auditor's Report thereon. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether there is a material misstatement in the financial statements or a material misstatement of the other information. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

**Opinions on other matters prescribed by the Companies Act 2014**

Based solely on the work undertaken in the course of the audit, we report that:

- the information given in the Directors' Report for the financial year for which the financial statements are prepared is consistent with the financial statements; and
- in our opinion, the Directors' Report has been prepared in accordance with the Companies Act 2014.

We have obtained all the information and explanations which we consider necessary for the purposes of our audit.

In our opinion the accounting records of the company were sufficient to permit the financial statements to be readily and properly audited. The financial statements are in agreement with the accounting records.

**INDEPENDENT AUDITOR'S REPORT  
TO THE MEMBERS OF INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY  
GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**

**Matters on which we are required to report by exception**

Based on the knowledge and understanding of the company and its environment obtained in the course of the audit, we have not identified any material misstatements in the Directors' Report. The Companies Act 2014 requires us to report to you if, in our opinion, the disclosures of directors' remuneration and transactions required by sections 305 to 312 of the Act are not made. We have nothing to report in this regard.

**Respective responsibilities**

**Responsibilities of directors for the financial statements**

As explained more fully in the Directors' Responsibilities Statement, the directors are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the directors are responsible for assessing the company's ability to continue as a going concern, disclosing, as applicable, matters related to the going concern and using the going concern basis of accounting unless management either intends to liquidate the company or to cease operation, or has no realistic alternative but to do so.

**Auditor's responsibilities for the audit of the financial statements**

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an Auditor's Report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (Ireland) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

A further description of our responsibilities for the audit of the financial statements is contained in the appendix to this report, located at page 9, which is to be read as an integral part of our report.

**The purpose of our audit work and to whom we owe our responsibilities**

Our report is made solely to the company's members, as a body, in accordance with section 391 of the Companies Act 2014. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an Auditor's Report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume any responsibility to anyone other than the company and the company's members, as a body, for our audit work, for this report, or for the opinions we have formed.

---

Alice Barnes  
**for and on behalf of**  
Kieran Ryan & Co.  
Chartered Accountants and Statutory Audit Firm  
20 Upper Mount Street  
Dublin 2

**Date:** \_\_\_\_\_

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
APPENDIX TO THE INDEPENDENT AUDITOR'S REPORT**

**Further information regarding the scope of our responsibilities as auditor**

As part of an audit in accordance with ISAs (Ireland), we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the company's ability to continue as going concerns. If we conclude that a material uncertainty exists, we are required to draw attention in our Auditor's Report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our Auditor's Report. However, future events or conditions may cause the company to cease to continue as going concerns.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.



**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE**  
**(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**  
**INCOME STATEMENT**  
**FOR THE YEAR ENDED 31 DECEMBER 2017**

	Notes	2017 €	2016 €
<b>Income</b>		74,473	52,615
<b>Expenditure</b>		(34,689)	(45,736)
<b>Surplus before interest</b>		39,784	6,879
Interest receivable and similar income		28	17
<b>Surplus for the year</b>		39,812	6,896
<b>Total Comprehensive Income</b>		39,812	6,896

Approved by the board on \_\_\_\_\_ and signed on its behalf by:

\_\_\_\_\_  
Catherine Buckley  
**Director**

\_\_\_\_\_  
Claire Clifford  
**Director**

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE**  
**(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**  
**BALANCE SHEET**  
**AS AT 31 DECEMBER 2017**

	Notes	2017 €	2016 €
<b>Current Assets</b>			
Debtors	5	15,036	1,552
Cash and cash equivalents		83,232	70,871
		<u>98,268</u>	<u>72,423</u>
<b>Creditors: Amounts falling due within one year</b>	6	(4,425)	(18,392)
<b>Net Current Assets</b>		<u>93,843</u>	<u>54,031</u>
<b>Total Assets less Current Liabilities</b>		<u>93,843</u>	<u>54,031</u>
<b>Reserves</b>			
Income statement		93,843	54,031
<b>Members' Funds</b>		<u>93,843</u>	<u>54,031</u>

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime and in accordance with FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland", applying Section 1A of that Standard.

Approved by the board on \_\_\_\_\_ and signed on its behalf by:

\_\_\_\_\_  
Catherine Buckley  
**Director**

\_\_\_\_\_  
Claire Clifford  
**Director**

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE**  
**(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**  
**RECONCILIATION OF MEMBERS' FUNDS**  
**AS AT 31 DECEMBER 2017**

	Retained surplus	Total
	€	€
<b>At 1 January 2016</b>	47,135	47,135
Surplus for the year	6,896	6,896
<b>At 31 December 2016</b>	<u>54,031</u>	<u>54,031</u>
Surplus for the year	<u>39,812</u>	<u>39,812</u>
<b>At 31 December 2017</b>	<u><u>93,843</u></u>	<u><u>93,843</u></u>

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**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE**  
**(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**  
**STATEMENT OF CASH FLOWS**  
**FOR THE YEAR ENDED 31 DECEMBER 2017**

	Notes	2017 €	2016 €
<b>Cash flows from operating activities</b>			
Surplus for the year		39,812	6,896
Adjustments for:			
Interest receivable and similar income		(28)	(17)
		<u>39,784</u>	<u>6,879</u>
Movements in working capital:			
Movement in debtors		(13,484)	2,379
Movement in creditors		(13,967)	10,793
		<u>12,333</u>	<u>20,051</u>
<b>Cash flows from investing activities</b>			
Interest received		28	17
		<u>12,361</u>	<u>20,068</u>
<b>Net increase in cash and cash equivalents</b>		<u>12,361</u>	<u>20,068</u>
<b>Cash and cash equivalents at beginning of financial year</b>		<u>70,871</u>	<u>50,803</u>
<b>Cash and cash equivalents at end of financial year</b>	7	<u><u>83,232</u></u>	<u><u>70,871</u></u>

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
NOTES TO THE FINANCIAL STATEMENTS  
FOR THE YEAR ENDED 31 DECEMBER 2017**

**1. General Information**

Institute of Geologists of Ireland Company Limited By Guarantee is a company limited by guarantee incorporated in Republic of Ireland. 20 Upper Mount Street, Dublin 2, is the registered office, which is also the principal place of business of the company. The nature of the company's operations and its principal activities are set out in the Directors' Report. The financial statements have been presented in Euro (€) which is also the functional currency of the company.

**2. Accounting Policies**

The following accounting policies have been applied consistently in dealing with items which are considered material in relation to the company's financial statements.

**Statement of compliance**

The financial statements of the company for the year ended 31 December 2017 have been prepared in accordance with the provisions of FRS 102 Section 1A (Small Entities) and the Companies Act 2014.

**Basis of preparation**

The financial statements have been prepared on the going concern basis and in accordance with the historical cost convention except for certain properties and financial instruments that are measured at revalued amounts or fair values, as explained in the accounting policies below. Historical cost is generally based on the fair value of the consideration given in exchange for assets. The financial reporting framework that has been applied in their preparation is the Companies Act 2014 and FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland" Section 1A, issued by the Financial Reporting Council and promulgated by Chartered Accountants Ireland.

**Income**

Income represents membership subscriptions, course fees and other income for the year.

**Tangible fixed assets and depreciation**

Tangible fixed assets are stated at cost or at valuation, less accumulated depreciation. The charge to depreciation is calculated to write off the original cost or valuation of tangible fixed assets, less their estimated residual value, over their expected useful lives as follows:

Computer equipment	- 33.33% Straight-line
--------------------	------------------------

The carrying values of tangible fixed assets are reviewed annually for impairment in periods if events or changes in circumstances indicate the carrying value may not be recoverable.

**Trade and other debtors**

Trade and other debtors are initially recognised at fair value and thereafter stated at amortised cost using the effective interest method less impairment losses for bad and doubtful debts except where the effect of discounting would be immaterial. In such cases the receivables are stated at cost less impairment losses for bad and doubtful debts.

**Trade and other creditors**

Trade and other creditors are initially recognised at fair value and thereafter stated at amortised cost using the effective interest rate method, unless the effect of discounting would be immaterial, in which case they are stated at cost.

**Taxation**

The company is exempt from corporation tax under Sections 76 and 78 Taxes Consolidation Act, 1997.

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE**  
**(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**  
**NOTES TO THE FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2017**

continued

**3. Departure from Companies Act 2014 Presentation**

The directors have elected to present an Income and Expenditure Account instead of a Profit and Loss Account in these financial statements as this company is a not-for-profit entity.

**4. Tangible Fixed Assets**

	Computer equipment €	Total €
<b>Cost or Valuation</b>		
At 31 December 2017	1,153	1,153
<b>Depreciation</b>		
At 31 December 2017	1,153	1,153
<b>Net book value</b>		
At 31 December 2017	-	-

**5. Debtors**

	2017 €	2016 €
Trade debtors	1,915	118
Prepayments	1,567	1,434
Accrued income	11,554	-
	<u>15,036</u>	<u>1,552</u>

**6. Creditors  
Amounts falling due within one year**

	2017 €	2016 €
Accruals	3,060	4,054
Deferred Income	1,365	14,338
	<u>4,425</u>	<u>18,392</u>

**7. Cash and Cash Equivalents**

	2017 €	2016 €
Cash and bank balances	39,634	27,301
Cash equivalents	43,598	43,570
	<u>83,232</u>	<u>70,871</u>

**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)  
NOTES TO THE FINANCIAL STATEMENTS  
FOR THE YEAR ENDED 31 DECEMBER 2017**

continued

**8. Status**

The liability of the members is limited.

Every member of the company undertakes to contribute to the assets of the company, in the event of the same being wound up while he is a member or within one year after he ceases being a member, for a payment of the debts and liabilities of the company contracted before he ceases to be a member, and of the costs, charges and expenses of winding up, and for the adjustment of the rights of the contributories among themselves, such amount as may be required, not exceeding €1.27.

**9. Approval of Financial Statements**

The financial statements were approved and authorised for issue by the board of directors on \_\_\_\_\_.

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**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE  
(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**

**SUPPLEMENTARY INFORMATION**

**RELATING TO THE FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED 31 DECEMBER 2017**

**NOT COVERED BY THE REPORT OF THE AUDITORS**

**THE FOLLOWING PAGES DO NOT FORM PART OF THE AUDITED FINANCIAL STATEMENTS**

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**INSTITUTE OF GEOLOGISTS OF IRELAND COMPANY LIMITED BY GUARANTEE**  
**(A COMPANY LIMITED BY GUARANTEE, WITHOUT A SHARE CAPITAL)**  
**SUPPLEMENTARY INFORMATION RELATING TO THE FINANCIAL STATEMENTS**  
**DETAILED INCOME AND EXPENDITURE ACCOUNT**  
**FOR THE YEAR ENDED 31 DECEMBER 2017**

	2017 €	2016 €
<b>Income</b>		
Professional member subscription	32,382	29,921
Member MIT subscription	600	800
Member retired	40	320
Member MIT application	725	150
European geologists' application fee	-	600
Sponsorship	-	2,600
European geologists' membership subscription	5,896	4,680
Courses	8,450	7,445
Other income	1,955	63
Philcox Award Evening	-	6,036
Grant income	24,425	-
	<u>74,473</u>	<u>52,615</u>
<b>Expenditure</b>		
Rent	2,402	2,402
Insurance	705	177
Conference costs	3,731	10,559
Courses	8,208	2,536
Mail and secretarial	-	29
Telephone	775	742
Website and computer costs	2,922	4,363
Travelling and entertainment	-	617
Legal and professional	923	-
Consultancy fees	-	13,044
Bank charges	1,886	2,129
General expenses	2,885	553
Research & Development	3,148	-
European Federation of Geologists expenses	1,627	1,033
European Federation of Geologists subscriptions	2,852	4,592
Sponsorship	-	500
Auditor's remuneration	2,625	2,460
	<u>34,689</u>	<u>45,736</u>
<b>Miscellaneous income</b>		
Bank interest	<u>28</u>	<u>17</u>
<b>Net surplus</b>	<u><u>39,812</u></u>	<u><u>6,896</u></u>