

# INSTITUTE OF GEOLOGISTS OF IRELAND



**2015 - 2016**

## **ANNUAL REPORT and FINANCIAL STATEMENTS**

### **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.*

**May 2016**

Company number 314400. Directors: Gerard Stanley, Marie Fleming, James Hodgson, Peter Glanville

*Member of the  
European Federation  
of Geologists*

**The Institute of Geologists of Ireland**

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# 1 PRESIDENT'S REPORT

## 1.1 ACKNOWLEDGEMENTS

I was delighted to be elected as President of the Institute of Geologists of Ireland and to serve you in this the first of my two term of office. It has been a very busy but rewarding year for the Institute.

I would like to sincerely thank the Members of the Board, for their excellent contributions and commitment, who continue to work voluntarily on behalf of the Membership (Table 1).

Board Member	Title	Additional Responsibilities
EurGeol <b>Marie Fleming</b> PGeo	President	IGN*, representation, EFG Registration Authority, Geotech Register, External relations GeolSoc.
Dr. <b>Jim Hodgson</b> PGeo	Vice-President	Comms
EurGeol Dr. <b>Peter Glanville</b> PGeo	Hon. Secretary	Comms† strategy; Education & outreach
EurGeol <b>Catherine Buckley</b> PGeo	Hon. Treasurer	CPD
EurGeol <b>Dave Blaney</b> PGeo	Non-Executive Director	PERC, DOE Expert Panel
EurGeol <b>Henning Mo</b> PGeo	Non-Executive Director	KINDRA
EurGeol <b>Claire Clifford</b> PGeo	Non-Executive Director	Newsletter, EFG
<b>Mairéad Glennon</b> PGeo	Non-Executive Director	Communications, website, insurance
EurGeol Dr. <b>Billy O'Keefe</b> PGeo	Non-Executive Director	Pyrite Committee, Newslette
EurGeol <b>Vaughn Williams</b> PGeo	Non-Executive Director	PERC

**Table 1.** IGI Board and responsibilities.

(\*IGN – Irish Geoscience Network. †Comms – Communications).

Susan Pyne and Ethel Stringer continued to support the Administration and Accounting functions, while Eamonn Kelly, as Webmaster, continued to update and build our website. I would like to sincerely thank them for their continuing support.

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). We are also indebted to Arup and the Geological Survey of Ireland for hosting our Board meetings and events throughout the year.

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 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 2015 -2016 TERM

### Registers

It is now a feature of professional practice that to carry out work in a specific area it is necessary for the person to be entered onto a Register for that particular subject matter. The Institute has operated the Register of Professionally Qualified Geoscientists / Competent Persons (in respect of environmental risk assessment for regulated and unregulated waste disposal and contaminated land sites); Short title: **'IGI Landfill and Contaminated Land Register'** (renamed from the original 'Professionally Qualified / Competent Persons to carry out Hydrogeological Assessments at Historical Landfill or Contaminated Sites' - or 'The IGI Landfill Register'). The Register was renamed in consultation with the EPA to take account of the varied work undertaken by professionals in the area. There are currently 37 Hydrogeologists on the Register. To apply for entry to the register please see the IGI website.

The **IGI Register of Professionally Qualified / Competent Persons for Pyrite Register** has been fully established with the aid of the Pyrite Panel (comprised of three PGeos with expertise in this area - see Section 4.7). Applicants must supply their professional listing details, what course(s) they have attended, details of reports written and professional work carried out in this area. Affirm experience over 5 years in this area of expertise.

### IGI Representation

IGI Members continue to represent the Institute at regular events and meetings.

IGI Members John Kelly, Billy O'Keeffe, Eoin Wyse and Gerry Stanley were active on the National Standards Authority of Ireland (NSAI) inter-disciplinary panels on Aggregates. They continue to 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 pyrite 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, sustainability, environmental protection and conservation.

The IGI assisted at the BT Young Scientists Exhibition on the GSI coordinated stand on the geosciences at the RDS in January 2016.

### 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 Gerry Stanley and Claire Clifford. 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 and events have been held by the IGI throughout the year, including a collaborative cross border lecture on Climate Change co-organised with the Geological Society – Northern Ireland Regional Group.

The IGI provided sponsorship to a number of events this year including the Mineral Deposits Studies Group winter meeting held at UCD and IGRM held at NUIG in February.

### Tynagh Mine

Along with the IAEG, IMQS, DCENR & GSI, the IGI was involved in the organization of a special conference to celebrate the 50<sup>th</sup> anniversary of the opening event of the Tynagh Mine. The conference which was held in Loughrea also included a visit to Priority Drilling in Killimor for some core & equipment viewing and excellent hospitality!

The conference was attended by over 130 people with a range of excellent speakers on the geological, mining, economic and socio-economic aspects of Tynagh.



## Tynagh Mine

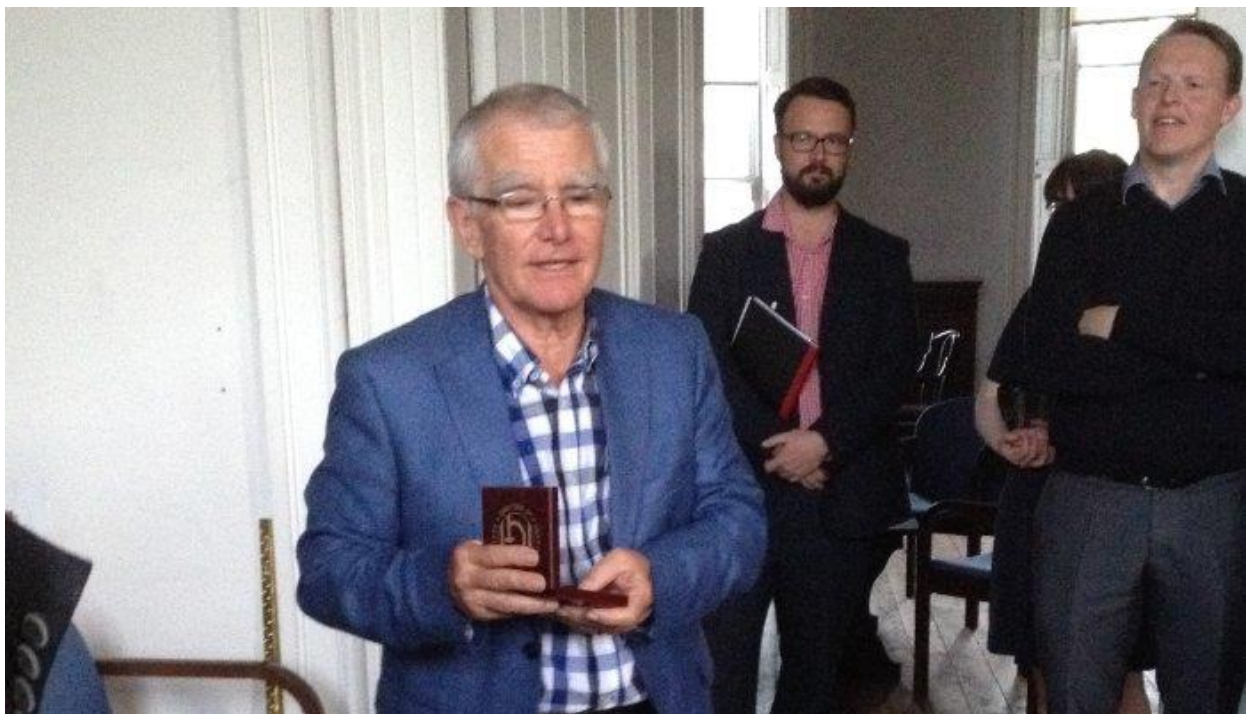
### A Celebration



A selection of the Speakers (from L-R): Robin Oram, Dan Shields, John Colthurst, John Teeling and John Kearney

### Medal of Merit 2015

The IGI was delighted to award the 2015 IGI Medal of Honour to EurGeol Kevin Cullen PGeo. Kevin has been a loyal and dedicated Member of the IGI as well as an ardent supporter of the EFG. He served on the IGI Board and was President from 2007 to 2009. He has contributed to many IGI projects including the IGI's EIS and Private Water Well Guidelines and to various workshops. He is always available to provide advice and volunteer for IGI activities and assists with interviews hosted by the Validation Committee.



The IGI website underwent a major redevelopment this year, with a move to the WordPress platform giving it a more modern and user-friendly look and feel.

Work in support of the website revamp was undertaken by Eamonn Kelly, SLR Consulting Ltd (platform migration); Peter Heath, GIS and data management consultant (website redesign) and Mairead Glennon (content review).

### **Bulletin**

A feature of our Communications strategy was the introduction, last year, of the weekly Bulletin which provides information to Members on upcoming events (both IGI sponsored events and events sponsored by other Geoscience organisations); job opportunities (although sadly these have been rather few this year); GeolSoc and EFG magazines; and other matters likely to be of relevance to geoscientists. The Bulletin has been a great success and is coordinated by Susan Pyne in our office.

### **EurGeol Marie Fleming PGeo**

**President, 17 May 2016**

## 2 HON. SECRETARY'S REPORT

### 2.1 2015 ANNUAL GENERAL MEETING

The 2015 Annual General Meeting (AGM) of the IGI was held on Wednesday 26<sup>th</sup> May 201 at 7pm in the lecture theatre at No. 63 Merrion Square, Dublin 4. The meeting was chaired by the IGI President, EurGeol **Gerry Stanley** 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 2015-2016:

<b>President</b>	Marie Fleming
<b>Vice President</b>	Jim Hodgson
<b>Honorary Treasurer</b>	Catherine Buckley
<b>Honorary Secretary</b>	Peter Glanville
<b>Board Members</b>	Claire Clifford Henning Moe Mairead Glennon William O'Keefe Dave Blaney Vaughan Williams

### 2.2 BOARD MEETINGS

The IGI Board met ten times in 2015/2016 on the following dates:

- 24<sup>th</sup> June 2015
- 2<sup>nd</sup> September 2015
- 7<sup>th</sup> October 2015
- 11<sup>th</sup> November 2015
- 6<sup>th</sup> January 2016
- 10<sup>th</sup> February 2015
- 10<sup>th</sup> March 2016
- 7<sup>th</sup> April 2016; and
- 4<sup>th</sup> May 2016
- 1<sup>st</sup> June 2016.

### 2.4 MEMBERSHIP

The following membership numbers were as of the 4<sup>th</sup> May 2016:

- 188 Professional Members (PGeo) of the Institute;
- 22 Members in Training (MIT);
- 9 Retired Members;
- 2 Associate Members; and
- 2 Student Members.

There are currently 7 applications for PGeo status in hand. These figures demonstrate the continued and growth of the IGI with an increase in the number of retired members over the past year.

A total of 9 new Professional Members were elected during the year, this is down somewhat on

the previous year, and 7 new Members-In-Training were elected during the year. Three members transferred to Retired status. Two Members were unfortunately delisted in March 2015 due to lack of contact.

## **2.5 DEADLINE FOR MEMBERSHIP APPLICATIONS**

In order to ease the seasonal workload on the IGI office and the Validation Committee, who all give their time freely to the Institute, there are two cutoff dates in the year for the receipt of applications for membership of the Institute of the IGI.

The application deadlines are the 31<sup>st</sup> of March and the 30<sup>th</sup> of September each year. The application deadlines have ensured ensure that candidate interviews can be held and Members elected by the Board before the Christmas period in the case of the September deadline and similarly candidate interviews can be held and Members elected by the Board before the AGM held in late May each year. The candidate interviews were held in December 2015 and early January 2016 in the past year in order to facilitate the interviewees and those doing the interviewing.

The membership application deadlines will assist applicants and applicant sponsors in making submissions in a timely manner to the IGI, and has also facilitated the validation committee in organising Members to form an interview committee, and who give their time freely for the interview process, and the IGI office in managing workload during the year.

## **2.6 MEMBERS IN GOOD STANDING**

To be a 'Member on 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.

## **2.7 MEMBER COMPETENCY**

It is incumbent on all Members of the IGI to ensure that they are competent in their respective fields, and that they meet the competency requirements when reporting under specific codes or regulations. The IGI Professional Membership title does not cover Members outside of their areas of competency, it is the obligation of each individual Member to ensure they are competent and/or meet any required competency requirements.

Those professional Members working in the aggregates and metals sector must ensure that they meet the competency requirements as set out in the PERC guidelines. The revised SR21 Guidelines stipulate that those reporting under the guidelines must be a '*Professional Geologist*' and '*are competent under the PERC*'; the onus is on each professional Member to ensure they meet the competency requirements.

The IGI has now established Pyrite Register got professional members. For those members on the register it should be emphasised that it is the ethical duty of the register member to self-regulate as an Expert Person.

Please note that the definition in the relevant Aggregate Standards will be updated from "Professional Geologist" to "Competent Person" who will be a Professional Geologist or equivalent qualified person with a stated minimum level of relevant experience.



## **2.8 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 venue during the past year.

My role as Honorary Secretary is greatly assisted through the efforts of the IGI office staff, Susan Pyne & Ethel Stringer respectively, for which I am grateful.

During the past year work has been ongoing to revamp and modernise the IGI website so that it is fit for purpose and reflects the working of the IGI for its members. The website has been transferred to a new platform (WordPress) and new layout and content has been revised. The New IGI website is due to be launched at this years AGM. I would like to thank Mairead Glennon for her work on the new website which will be e benefit to members.

The major issues coming before the Board in 2015/2016 are presented in the President's Report in Section 1 above; however, as Honorary Secretary, and in relation to the business of the Board, there are a couple of further issues that merit mention. The committee and the IGI office spend a great deal of time dealing with matters associated with Members who do not submit their annual subscriptions and/or their CPD records. Whilst the introduction of PayPal facility has greatly increased the payment and management of member's fees, CPD returns still remain at less than 60% at the time of this Annual Report.

As outlined above in this section Members must address their professional responsibilities in a timely fashion, not only as a professional necessity but also to ensure that they are members in good standing, and as a courtesy to your colleagues who volunteer to administer the Institute. If the current situation regarding subscriptions and CPD records continues the Board will be forced to take measures to ensure the professional and financial viability of the Institute on behalf of its members.

**EurGeol Dr. Peter Glanville PGeo**

**Honorary Secretary, May 2016**

### **3 HON. TREASURER'S REPORT**

A copy of the 2014 Financial Statement for the IGI as prepared by Kieran Ryan & Co, Chartered Accountants and Registered Auditors, is attached to the Annual Report. This is the fifth year Kieran Ryan & Co. has audited the Institute's accounts and prepared its financial statement. The financial statement reflects the Institute's financial position in the year 2014 to the 31st of December 2014.

The 2015 Financial Statement is currently being prepared by Kieran Ryan & Co, Chartered Accountants.

The Institute realised a surplus in 2015 of €830.43 in 2015.

Total income for 2015 was €42,077.33 and total expenditure was €41,246.90 for the year.

The income prediction for 2016 will be significantly higher due to the incoming H2020 funds from the EFG indicating that the Board will have additional funds available this year. At this time, the Board envisages that the funds will be used to improve the website and continue the IGIs input to courses.

**EurGeol Catherine Buckley PGeo**

**Hon. Treasurer, May 2016**

## 4 IGI COMMITTEE / WORKING GROUP REPORTS

*Volunteers for each of the following IGI Committees are always welcome, so if you would like to participate, please contact the Honorary Secretary, or any Board Member.*

### 4.1 VALIDATION COMMITTEE

The Validation Committee held two validation interview sessions since the last AGM held in May 2015.

On the 7<sup>th</sup> December 2015 a panel comprising Morgan Burke, Gerry Stanley and Eibhlin Doyle interviewed four candidates:

- i) **Edmond Coffey**
- ii) **Orla McKenna**
- iii) **Aidan Lavelle**
- iv) **Eoin Cross**

On the same evening a panel comprising Morgan Burke, Sean Finlay and Eibhlin Doyle interviewed one other candidate:

- i) **David Plunkett**

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

On the 20<sup>th</sup> January 2016 a panel comprising Morgan Burke, Mark Conroy and Sean Finlay interviewed four candidates:

- i) **Kieran Craven**
- ii) **Andrew Trafford**
- iii) **Iain Williams**
- iv) **Monika Kabza**

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

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

- i) **Graham Ryan**
- ii) **Fiona Stapleton**
- iii) **Kevin Ledwith**
- iv) **Emily Fejes**
- v) **Emer O'Connor**
- vi) **Sean Ross**

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 CONTINUING PROFESSIONAL DEVELOPMENT

The IGI's standing in the international geological community is very much dependant on the rigor and completeness of our Continuing Professional Development process. Our CPD process has been closely scrutinised by all the professional bodies abroad with which we have mutual recognition agreements and was found to be sound, most recently through our successfully negotiated MRA with Geoscientists Canada. Mutual recognition is one criterion by which we may judge our process; another criterion is how our members find it.

In 2015 (2014 CPD forms) we achieved 100% of PGeo CPDs returned by September. This was only successful through the threat of de-listing individuals by a specific date.

For 2016 (2015 CPD forms), we have achieved a high percentage of CPD forms being returned to date, again driven by the threat of delisting. The CPD forms that were submitted this past week are being processed and we expect to achieve 100% CPD returns again this year by the end of June.

The purpose of threatening delisting, is to prompt those who have forgotten. It should be noted that some people genuinely cannot return CPD forms or pay fees due to extenuating circumstances and these cases are dealt with individually. However, the office is not made aware of these cases until the individual emails are sent.

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. A panel has been developed 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.

Thank you for your collaboration in this matter of CPD; it fundamentally underpins the integrity of the **PGeo** title conferred on professional Members of the IGI.

**EurGeol Catherine Buckley PGeo**

### 4.3 CONTINUING PROFESSIONAL DEVELOPMENT LECTURES & COURSES

As part of the IGI's commitment to Continuing Professional Development, a number of technical talks and courses were held in 2015, which are summarised below. Further workshops and courses, to address the CPD needs of Members, are planned through 2016-17. The membership are invited to make a suggestion for the type of course they would be interested in.

#### **Earth's Climate Evolution - a New Perspective – 23<sup>rd</sup> February 2016**

**An illustrated lecture by Dr Colin Summerhayes FGS of the Scott Polar Research Institute, Cambridge University.**

This interesting lecture was delivered by Dr. Summerhayes and described what we can learn about historical climate change from the little-known geological record hidden in rock and ice cores, and examine what this information can tell us about what is happening to our climate now and what may happen in future.

This lecture was organized jointly by The Geological Society of London (Northern Ireland Regional Group) and the Institute of Geologists of Ireland with a lecture held the evening before in Belfast.

#### **Geophysics for Ground Investigation: Surveying, Design and Implementation – 27<sup>th</sup> April 2016**

This one day seminar on Geophysics for Ground Investigation: Surveying, Design and Implementation included presentations from a range of experts with vast experience in the field of geophysical surveying for the purposes of ground investigation.

The course was aimed at geologists, hydrogeologists, engineers and IGI members who wished to gain greater understanding of this very important and valuable tool in the development of a greater understanding of the geological, geotechnical and hydrogeological characteristics of the ground.

This one day course involved a series of lectures designed to provide an understanding of the importance and usefulness of geophysical investigations. In particular, the requirement to specify geophysical techniques that are appropriate for the geological and cultural setting of the area under investigation.

The following presentations were given on the day:

- Peter O'Connor (APEX Geoservices Ltd) - *30 years of Geophysics in Ireland*
- Mimi Pierson (BRG) - *Beyond the Guidelines*
- Marie Fleming (ARUP) - *Use of Geophysics in Ground Investigation and Geotechnical Design*
- Kim Beesley (ECG) - *Applications of Borehole Geophysical Logging*
- Tom Davitt (Scantech) - *Ground Penetrating Radar*
- Ruth Jackson (Minerex) - *Geophysical Surveying in a Karst Environment*

#### **Mentoring and Career Planning for Geoscientists – 19th May 2016**

Social science research in executive coaching and mentoring has consistently shown that mentees and mentors not only have higher salaries and climb the career ladder faster, but also they are more satisfied with their careers overall. Research has also shown that if both mentors and mentees have some basic training in mentoring and coaching skills then the risk of failed relationships is reduced and outcomes are much more successful. This interactive, group-based workshop will provide guidance for geoscientists in setting personal career goals and on becoming a mentor and/or mentee. From this workshop, IGI intends establishing a free,

voluntary mentorship scheme to foster long-term career development for IGI members of all stages.

The half-day course includes:

- Systematic career planning for geologists
- What makes a good mentor? – essential skills
- The mentoring process – how to structure sessions and avoid pitfalls
- You will receive a manual.

This course will be delivered by John Arthurs, a Chartered Geologist with over 40 years experience. For the past six years John has been practicing professionally as a qualified executive coach with a special interest in helping geoscience professionals progress in their careers. John will be joined by Trudy Arthurs, a coach-trainer with the Academy of Executive Coaching with 25 years of experience

### **EurGeol Marie Fleming PGeo**

#### **4.4 ETHICS & DISCIPLINARY COMMITTEES 2014-2015**

The Board is happy to report that the Ethics Committee did not receive any complaints, including any that may require a disciplinary response during the year. Neither the Ethics nor Disciplinary Committees met during the 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.

**EurGeol Marie Fleming PGeo**

## **4.5 COMMUNICATIONS**

### **Website Redevelopment**

The IGI website underwent a major redevelopment this year, with a move to the WordPress platform giving it a more modern and user-friendly look and feel. Content was rewritten to give website users the optimum web-browsing experience. Particular emphasis was paid to prominently communicating key items of information for core stakeholders:

- Information on member services and CPD for members;
- Information on membership benefits to prospective members; and
- Easy access to Member Listings and Specialist Registers for members of the public.

Work in support of the website revamp was undertaken by Eamonn Kelly, SLR Consulting Ltd (platform migration); Peter Heath, GIS and data management consultant (website redesign) and Mairead Glennon (content review).

### **LinkedIn group**

The IGI's LinkedIn Group now has 41 members and so far has proved 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. Group administrators are Peter Glanville and Mairead Glennon.

### **Twitter**

The IGI is now on Twitter, 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. As of 31 April, @IGI\_PGeo had 133 followers. The IGI twitter account is managed by Marie Fleming.

### **Engagement with third level institutions**

The board recognizes the need for dedicated activities to engage with third level institutions in order to attract more student and early-career stage members. The IGI was represented by Marie Fleming, Mairead Glennon and James Hodgson at the Irish Geological Research Meeting in NUI Galway in February 2016, reaching students from third level institutions across the island. Future initiatives will aim to work directly with university geology departments to promote the benefits of IGI membership to students.

### **Lobbying**

The Regulation of Lobbying Act 2015 has recently been enacted, to provide information to the public about who is lobbying whom about what. There are several criteria which determine if the Act applies to a lobby group – most fundamentally, the lobby group is to have at least one paid employee for the Act to apply. The board decided on the basis of a review carried out in June 2015 by Mairead Glennon that the Act does not apply to the IGI, seeing as it is a voluntary body with no employees.

### **EurGeol Mairead Glennon PGeo**



#### **4.6 PROFESSIONAL INDEMNITY INSURANCE SCHEME FOR MEMBERS and IGN**

##### **Professional Indemnity insurance scheme for members**

The IGI continues to work in collaboration with Thompson Insurances brokers to provide a ***Professional Indemnity (PI) insurance scheme*** for the IGI Members.

The IGI's Professional Indemnity insurance scheme for self-employed geologists, administrated by Thompson Insurance, currently insures 12 IGI members. Together with Thompson the IGI developed a proposal form suited to the activities undertaken by geologists in Ireland and has allowed for a more comprehensive understanding of the associated risks to be insured and often cheaper premiums than offered by other brokers. For enquiries please contact [shane.hennelly@nti.ie](mailto:shane.hennelly@nti.ie), quoting your IGI membership number.

##### **Public liability insurance scheme for Irish Geoscience Network affiliates**

In 2014 the IGI established a Public Liability insurance scheme with Thompson Insurance for Irish Geoscience Network affiliate organisations to cover field trip risks. Three organisations (IAH Irish Group, IQUA and Geothermal Association of Ireland) are currently covered, with the premium working out at a very cost-effective €2.19 per member, representing a considerable saving for these organisations over premiums currently available on the market. IGN affiliate organisations are invited to express their interest in joining for 2016/2017. Policy renewal comes up in October each year but affiliate organisations may join at any time, with the premium calculated on a pro-rata basis. Enquiries to [mairead.glennon@gsi.ie](mailto:mairead.glennon@gsi.ie).

##### **EurGeol Mairead Glennon PGeo**

## 4.7 THE IGI PYRITE REGISTER

### IGI Register of Professionally Qualified / Competent Persons for Pyrite Register

The PGeo Register lists the categories of expertise claimed by each professional geologist. The establishment of a special Register of Professionally Qualified Geoscientists / Competent Persons (in respect of environmental risk assessment for regulated and unregulated waste disposal and contaminated land) laid the ground for specific areas of expertise to be listed. This list is outside the PGeo listing since it includes other professional qualifications.

Following the Celtic Tiger housing boom problem with pyrite in aggregate, a demand developed for expertise in petrographic assessment of aggregates, quarry products, concrete blocks etc. These are controlled by standards including IS-398-1, SR-21 *et al.* These documents make extensive reference to Professionally Qualified Geoscientists / Competent Persons and rely heavily upon their opinions. A Register of Professionally Qualified Geoscientists / Competent Persons (in respect of the assessment of quarry aggregates, recovered aggregates, concrete products) has been established.

Applicants must supply their professional listing details, what course(s) they have attended, details of reports written and professional work carried out in this area. A minimum of 5 years experience in this area of expertise.

A Pyrite Panel was established of three PGeos with expertise in this area. Their applications were assessed by the IGI Board and they were accepted on to the Register. They were then empowered to examine a number of applications. This process is ongoing.

The Register was established by the Pyrite Panel which consisted:

- EurGeol Gareth LI. Jones PGeo;
- EurGeol Eoin Wyse PGeo; and
- EurGeol John Kelly PGeo

The applications to join the register were reviewed by the above members of the register on the 12<sup>th</sup> April 2016. On the 4<sup>th</sup> May the following persons were elected to the Pyrite Register:

- EurGeol Bernadette Azzie PGeo
- EurGeol John Colthurst PGeo
- EurGeol Tom Moore PGeo
- EurGeol Catherine Maguire PGeo
- EurGeol Jon Hunt PGeo
- EurGeol John Lawler PGeo
- Robbie Goodhue PGeo

The Institute of Geologists of Ireland is satisfied to state that above persons on the Pyrite Register are qualified, trained and experienced in the assessment of aggregates with regard to pyrite. The register members have stated that they have experience in the following pyrite related disciplines:

- IS-398-1 subfloor aggregate testing; and
- SR-21 aggregate product evaluation.

We feel we need to emphasise the ethical duty of the applicant to self-regulate as an Expert Person.

The Pyrite Register will be published on the IGI website shortly.

**EurGeol Gareth Jones PGeo and**

**EurGeol Peter Glanville PGeo**

## 5 REPRESENTATIONS: DELEGATE REPORTS

### 5.1 EUROPEAN FEDERATION OF GEOLOGISTS

The European Federation of Geologists (EFG) is a non-governmental organization that was established in 1981 and currently includes twentyfour (24) European national associations as members and two associated members American Institute of Professional Geologists (AIPG) and Geoscientists Canada. The IGI Delegates to the EFG for 2015 were Gerry Stanley and Claire Clifford. Marie Fleming (IGI) is chair of the EFG Registration Authority

During 2015, the EFG continued to promote the professional mobility and status of geologists in the twentyfour 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* magazine 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. 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.

Two meetings of Council in 2015 were as follows:

#### **June 2015**

Gerry Stanley attended the formal Summer Council meeting which was held in Newcastle on the 13/14<sup>th</sup> June 2015. Marie Fleming also attended in her capacity with the Registration Authority. A workshop was organized for the days preceding the Council meeting titled “Mining in a Crowded Country’ which included a fieldtrip. This workshop discussed future prospects for mining in the region, and explored in the field the legacy of metal mining in the North Pennines as well as current good practice in meeting modern environmental standards in coal mining.

The main focus of the meeting was on the EFG proposals for EU funded H2020 projects in the geosciences and the EFG involvement in the EU Qualifications Directive regarding the geosciences. Representation from NAs on working groups including the Qualifications Directive, internal regulations and an initiative to promote geology among young people.

#### **November 2015**

Gerry Stanley and Marie Fleming attended the Winter Council meeting in Brussels on the 21<sup>st</sup>/22<sup>nd</sup> November 2015. This meeting coincided with a security alert and lockdown in Brussels which resulted in a skeleton meeting taking place.

A workshop associated with the EU funded H2020 project KINDRA organized for after the EFG Council meeting was subsequently rescheduled for May 2016 which Henning Moe attended remotely.

#### **May 2016**

At the time of preparing this report, Marie Fleming and Claire Clifford were preparing to attend the 2016 Summer Council meeting to be held in Lisbon on the 21<sup>st</sup>/22<sup>nd</sup> May. This meeting will be preceded by an EFG workshop entitled ‘The Importance of geological knowledge for sustainable land use’.

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***

Groundwater and hydrogeology-related research activities cover a wide spectrum of research areas at EU and national levels. However, groundwater issues are quite often either ignored or considered only in insufficient detail and separated from the associated surface water bodies, despite groundwater's critical importance as renewable, high-quality, naturally protected (but still vulnerable) resource that has significant impacts on both surface water bodies and ecosystems. The EU-funded KINDRA project seeks to take stock of our current knowledge of hydrogeology through an inventory of research results, activities, projects and programmes.

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

This new H2020 project will develop a novel robotic system for the autonomous exploration and mapping of Europe's flooded underground mines.

The Robotic Explorer (UX-1) will use non-invasive methods for autonomous 3D mine mapping for gathering valuable geological and mineralogical information. This will open new exploration scenarios so that strategic decisions on the re-opening of Europe's abandoned mines could be supported by actualised data that cannot be obtained by any other ways. The Multi-robot Platform will represent a new technology line that is made possible by recent developments in autonomy research that allows the development of a completely new class of mine explorer service robots, capable of operating without remote control. Such robots do not exist nowadays; UX-1 will be the first of its kind. Research challenges are related to 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.

## Geology for Society Report

Thanks to the collaboration of the European Federation of Geologists (EFG) and its national association members (of which the Institute of Geologists of Ireland is one), the 'Geology for Society' report made by the Geological Society of London has been translated into various languages and was officially launched at the European Parliament on 2 June 2015.

The report was presented to MEPs and EU policy makers to outline the importance of geology and qualified professionals to our society, covering areas such as energy, minerals, water, waste management, construction, land contamination and natural hazards. In turn it also aims to promote dialogue between policy makers and geoscientists at both a European and national level.



The report which has been translated into 14 European languages including Irish (with thanks to the [Geological Survey of Ireland](http://www.gsi.ie) and the Department of Communications, Energy and Natural Resources).

The final version of the Irish translation of the report will be made available shortly on the IGI website ([www.igi.ie](http://www.igi.ie)) with the European addition available for download at the following link:

<http://www.geolsoc.org.uk/Policy-and-Media/Geology-for-Society/Geology-for-Society-European>

<http://eurogeologists.eu/about-efg-2/>

## **5.2 GSI CONSULTATIVE COMMITTEE**

The GSICC normally meets on a six-monthly basis. However, there were no GSI Consultative Committee Meetings during the year.

**EurGeol Peter Glanville PGeo**

## **5.3 GSNI CONSULTATIVE COMMITTEE**

There were no meetings of the GSNI Consultative Committee between May 2015 and May 2016. Dr. John Kelly is the IGI's representative on the Committee and will be in a position to represent the Institute again in the forthcoming year.

**EurGeol Peter Glanville PGeo**

## 5.4 IRISH GEOSCIENCE NETWORK

The Irish Geoscience Network (IGN), convened by the IGI, was formed in early 2012 to provide a forum for communication and sharing of ideas and resources for all bodies, organizations and departments involved in the Geosciences. The body has now grown to c. 32 such bodies and meets once a year.

The bodies invited to the Network were:

- Belfast Geologists (BG);
- Dublin Institute for Advanced Studies (DIAS);
- Earth Science Ireland (ESI);
- Exploration and Mining Division (EMD);
- Geophysical Association of Ireland (GAI-GP);
- Geothermal Association of Ireland (GAI-GT);
- Geological Survey of Ireland (GSI);
- Geotechnical Society of Ireland (GSI, a Society of Engineers Ireland);
- Geological Society London (GeoSoc);
- Geological Survey of Northern Ireland (GSNI);
- Geological Heritage; Irish Offshore Operators' Association (IOOA);
- Irish Association for Economic Geology (IAEG);
- International Association for Hydrogeology – Irish Group (IAH);
- Irish Geological Association (IGA);
- Institute of Geologists of Ireland (IGI);
- Irish Geomorphology Group (IGGy);
- Irish Mining and Quarrying Society (IMQS);
- Irish Quaternary Association (IQUA);
- Mining Heritage Trust of Ireland (MHTI);
- National Museum of Ireland (NMI);
- National University of Ireland, Galway (NUIG);
- National University of Ireland, Maynooth (NUIM);
- Open University Geological Society (OUGS);
- Petroleum Affairs Division (PAD);
- Raw MatTERS & IFOSTER;
- Royal Irish Academy - Geosciences and Geographical Sciences Committee (RIA);
- Soil Science Society of Ireland (SSSI);
- Speleological Union of Ireland (SUI);
- Trinity College Dublin (TCD);
- University College, Cork (UCC);
- University College, Dublin (UCD);
- University of Limerick (UL); and
- Ulster Museum (UM).

This year's IGN meeting was held on the 10<sup>th</sup> February 2016 with the forum discussing matters relating to insurance, research, education, the successful Oireachtais Pairing Scheme for Geoscientists run by the RIA, the 2019 INQUA congress ([www.iqua.ie/INQUA\\_2019](http://www.iqua.ie/INQUA_2019)), the Geothermal Bill and various other matters and activities.

After successfully coming together to organize the Tynagh Mine 50<sup>th</sup> Anniversary which was held in January 2015 Gerry Stanley proposed the IGN form a sub-committee for Mike Philcox's forthcoming 80<sup>th</sup> birthday and contribution to Irish Geosciences.



A suggestion was made by Koen Verbruggen, Director of the Geological Survey of Ireland, for the GSI to aid the IGN in the preparation of an Annual Update on Geoscience Activities. This would be comprise the collation of update submissions from each invited organization. Along with providing a useful document, this will also generate more time at the IGN meeting to focus on cross-cutting issues such as outreach, public perception, policy issues etc.

The Geo- Calendar of Events [http://www.igi.ie/events\\_calendar.htm](http://www.igi.ie/events_calendar.htm) is available to assist all members of the Network to plan and where possible to avoid conflicting dates in their events.

### **EurGeol Marie Fleming PGeo**

## 5.5 RESOURCE REPORTING PERC AND CIRSCO1

The PERC (Pan-European Reserves and Resources Reporting Committee) Standard is binding on all Members of its sponsoring bodies (IGI, Geol. Soc. London, IMMM, and EFG), who are Competent Persons in the field of resource reporting.

The IGI has been a professional accreditation organisation of PERC since its inception. EurGeol David Dingemans PGeo of the IGI has prepared a summary guide to the PERC Reporting Standard ([IGI Summary Guide to the PERC Reporting Standard](#)). The Summary Guide has been prepared to explain some of the concepts behind the Public Reporting of Exploration Results, Mineral Resources and Mineral Reserves as defined by the PERC Reporting Standard for solid mineral raw materials.

Public Reporting, in the context of solid mineral raw materials, is any written or verbal communication concerning Mineral Projects. It is important not to mislead any member of the public, either intentionally or inadvertently, as to the presence or otherwise of solid mineral raw materials in or on the earth or of its value. With this in mind the Guide has been written primarily for geologists and geoscientists not familiar with, or not working in the minerals sector to explain the language commonly used in the reporting of Exploration Results, Mineral Resources and Mineral Reserves.

The Guide provides the key points and some associated definitions of the PERC Reporting Standard for ease of reference for both non-technical and professional users. Should any reader intend to prepare a Public Report on Exploration Results, Mineral Resources and/or Mineral Reserves then they must refer to the full text of the PERC Reporting Standard and should be a Competent Person as defined in the Standard to prepare such a report.

PERC documents may be viewed at [www.perc.com](http://www.perc.com)

**EurGeol Marie Fleming PGeo**

## **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 – GeolSoc (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 6.00 p.m. Wednesday 1<sup>st</sup> June 2016 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> 2015.
- iii)** To elect Directors.
- iv)** To transact any other ordinary business of the Annual General Meeting.

By Order of the Board

Dr. Peter Glanville Honorary Secretary

Dated May 14<sup>th</sup> 2016

## 8 NOMINATIONS FOR DIRECTORS

The Nominations Committee, under the Chair of Gerry Stanley (immediate Past-President), has presented the following list of candidates to stand for election at the forthcoming Annual General Meeting on 1<sup>st</sup> June 2016.

### **Executive Directors:**

<b>President:</b>	EurGeol Marie Fleming PGeo	(2 <sup>nd</sup> year of 2 year term)
<b>Vice-President:</b>	Dr. Jim Hogson PGeo	(2 <sup>nd</sup> year of 2 year term)
<b>Treasurer:</b>	EurGeol Catherine Buckley PGeo	(2 <sup>nd</sup> year of 2 year term)
<b>Secretary:</b>	EurGeol Claire Clifford PGeo	(1 <sup>st</sup> year of 2 year term)

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

Mairead Glennon PGeo	(4 <sup>th</sup> Year as a Board Member)
EurGeol Dr. Billy O'Keefe PGeo	(3 <sup>rd</sup> Year as a Board Member)
EurGeol Dave Blaney PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Dr. Henning Moe PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Vaughan Williams PGeo	(2 <sup>nd</sup> Year as a Board Member)
EurGeol Cian O'Hora PGeo	(1 <sup>st</sup> Year as a Board Member)

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

EurGeol Gerry Stanley PGeo (Chair)  
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 Monday 9<sup>th</sup> May 2016.

## 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>ADMINISTRATIVE</b>	Ms. Susan Pyne ( <a href="mailto:admin@igi.ie">admin@igi.ie</a> )
<b>ACCOUNTS</b>	Ms. Ethel Stringer
<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 (2015-2016: Outgoing)

#### Executive Directors

<b>President:</b>	EurGeol Marie Fleming PGeo
<b>Vice President:</b>	Dr. Jim Hogson PGeo
<b>Secretary:</b>	EurGeol Dr. Peter Glanville PGeo
<b>Treasurer:</b>	EurGeol Catherine Buckley PGeo

#### Non-Executive Directors:

PGeo EurGeol Claire Clifford,  
 PGeo EurGeol Vaughn Williams  
 PGeo EurGeol Mairead Glennon  
 PGeo EurGeol Dave Blaney  
 PGeo EurGeol Dr. Billy O'Keefe

#### EFG National Licensed Body

The IGI is licensed by the European Federation of Geologists to award the professional title of European Geologist (EurGeol)

## **Standing Committees (2015-2016)**

### **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 Kevin Cullen PGeo

EurGeol Sean Finlay PGeo

### **CPD Audit Committee**

EurGeol Catherine Buckley PGeo (Chair)

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

European Federation of Geologists

EurGeol Catherine Buckley PGeo and EurGeol Claire Clifford PGeo

GSI Consultative Committee

EurGeol Marie Fleming PGeo

GSNI Consultative Committee

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.iaeg.org](http://www.iaeg.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)
- European Association of Geoscientists and Engineers

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

- Exploration and Mining Division, DCMNR - 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

## **10 AUDITOR'S REPORT FOR 2014**

**Registration number 314400**

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED  
(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**DIRECTORS' REPORT AND FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED 31 DECEMBER 2014**

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**Kieran Ryan & Co.  
Chartered Accountants  
& Registered Auditors  
20 Upper Mount Street  
Dublin 2**

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

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**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**COMPANY INFORMATION**

<b>Directors</b>	Gerard Stanley Marie Fleming Peter Glanville James Hodgson Jonathan Derham Paul Gordon	(Appointed 21 May 2014) (Appointed 21 May 2014) (Resigned 21 May 2014) (Resigned 21 May 2014)
<b>Secretary</b>	Peter Glanville Jonathan Derham	(Appointed 21 May 2014) (Resigned 21 May 2014)
<b>Company Number</b>	314400	
<b>Registered Office</b>	20 Upper Mount Street Dublin 2	
<b>Auditors</b>	Kieran Ryan & Co. Chartered Accountants & Registered Auditors 20 Upper Mount Street Dublin 2	
<b>Business Address</b>	The Institute of Geologists of Ireland 63 Merrion Square Dublin 2	
<b>Bankers</b>	Bank of Ireland College Green Dublin 2	
<b>Solicitors</b>	Hayes Solicitors Lavery House Earlsfort Terrace Dublin 2	
<b>Charity Number</b>	13580	

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**DIRECTORS' REPORT**  
**FOR THE YEAR ENDED 31 DECEMBER 2014**

The directors present their report and the audited financial statements for the year ended 31 December 2014.

**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.

**Results and Dividends**

The surplus/(deficit) for the year amounted to €2,483 (2013 €(9,437)).

**Principal Risks and Uncertainties**

The principal risks and uncertainties facing the company is that of non payment of membership fees.

**Future Developments**

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

**Important Events since the Year End**

There have been no important events since the year end.

**Directors of the Company**

The directors of the company are set out under company information.

**Books of Account**

The directors believe they have complied with the requirements of Section 202, Companies Act, 1990, with regard to books of account by employing personnel with appropriate expertise and by providing adequate resources to the financial function. The books of account of the company are maintained at Department of Geology, University College Dublin, Dublin 2.

**Auditors**

The auditors, Kieran Ryan & Co., Chartered Accountants & Registered Auditors, have indicated their willingness to continue in office in accordance with the provisions of Section 160(2) of the Companies Act, 1963.

Signed on behalf of the Board :

	)	
	)	
Gerard Stanley	)	
	)	Directors
	)	
	)	
James Hodgson	)	

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

## STATEMENT OF DIRECTORS' RESPONSIBILITIES

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**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**INDEPENDENT AUDITORS' REPORT TO THE MEMBERS**  
**OF INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**

We have audited the financial statements of Institute of Geologists of Ireland Limited for the year ended 31 December 2014 which comprise the income and expenditure account, the balance sheet, the cash flow statement and the related notes. The financial reporting framework that has been applied in their preparation is Irish law and accounting standards issued by the Financial Reporting Council and promulgated by the Institute of Chartered Accountants in Ireland (Generally Accepted Accounting Practice in Ireland).

This report is made solely to the company's members, as a body, in accordance with Section 193 of the Companies Act, 1990. 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 auditors' report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume 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.

**Respective responsibilities of directors and auditors**

As explained more fully in the Statement of Directors' Responsibilities, set out on page 3, the directors are responsible for the preparation of the financial statements giving a true and fair view. Our responsibility is to audit and express an opinion on the financial statements in accordance with Irish law and International Standards on Auditing (UK and Ireland). Those standards require us to comply with the Auditing Practices Board's Ethical Standards for Auditors.

We report to you our opinion as to whether the financial statements give a true and fair view in accordance with Generally Accepted Accounting Practice in Ireland and are properly prepared in accordance with the Companies Acts 1963 to 2013. We also report to you whether in our opinion: proper books of account have been kept by the company; and whether the information given in the Directors' Report is consistent with the financial statements. In addition, we state whether we have obtained all the information and explanations necessary for the purposes of our audit and whether the company's balance sheet and its income and expenditure account are in agreement with the books of account.

**Scope of the audit of the financial statements**

An audit involves obtaining evidence about the amounts and disclosures in the financial statements sufficient to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or error. This includes an assessment of: whether the accounting policies are appropriate to the company's circumstances and have been consistently applied and adequately disclosed; the reasonableness of significant accounting estimates made by the directors; and the overall presentation of the financial statements. In addition, we read all the financial and non-financial information in the Directors' Report to identify material inconsistencies with the audited financial statements and to identify any information that is apparently materially incorrect based on, or materially inconsistent with, the knowledge acquired by us in the course of performing the audit. If we become aware of any apparent material misstatements or inconsistencies we consider the implications for our report.

**Opinion on financial statements**

In our opinion, the financial statements:

- give a true and fair view in accordance with Generally Accepted Accounting Practice in Ireland of the state of the company's affairs as at 31 December 2013 and of its profit(loss) for the year then ended; and
- have been properly prepared in accordance with the requirements of the Companies Acts 1963 to 2013



**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**INDEPENDENT AUDITORS' REPORT TO THE MEMBERS**  
**OF INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED (CONTINUED)**

**Matters on which we are required to report by the Companies Acts 1963 to 2013**

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

In our opinion, proper books of account have been kept by the company.

The financial statements are in agreement with the books of account.

In our opinion, the information given in the Directors' Report is consistent with the financial statements.

The net assets of the company, as stated in the balance sheet, are more than half of the amount of its called up share capital and, in our opinion, on that basis there did exist at 31 December 2014 a financial situation which under Section 40 (1) of the Companies (Amendment) Act, 1983, would require the convening of an extraordinary general meeting of the company.

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

We have nothing to report in respect of the provisions in the Companies Acts 1963 to 2013 which require us to report to you if, in our opinion the disclosures of directors remuneration and transactions specified by law are not made.

Alice Barnes  
for and on behalf of  
Kieran Ryan & Co.  
Chartered Accountants  
& Registered Auditors  
20 Upper Mount Street  
Dublin 2

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

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**INCOME AND EXPENDITURE ACCOUNT**  
**FOR THE YEAR ENDED 31 DECEMBER 2014**

Continuing operations			
	Notes	2014 €	2013 €
Income	2	50,663	40,831
Expenses		(48,206)	(50,430)
<b>Surplus/(deficit) of income over expenditure 3</b>		<u>2,457</u>	<u>(9,599)</u>
Other interest receivable and similar income	4	<u>26</u>	<u>162</u>
<b>Retained surplus/(deficit) for the year</b>		2,483	(9,437)
Retained surplus brought forward		<u>43,177</u>	<u>52,614</u>
Retained surplus carried forward		<u><u>45,660</u></u>	<u><u>43,177</u></u>

A separate statement of Total Recognised Gains and Losses is not required, as there are no gains or losses other than those reflected in the Income and Expenditure Account.

The financial statements were approved by the Board on \_\_\_\_\_ and signed on its behalf by :

\_\_\_\_\_  
Gerard Stanley

\_\_\_\_\_  
James Hodgson

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
**(A COMPANY LIMITED BY GUARANTEE AND NOT HAVING A SHARE CAPITAL)**

**BALANCE SHEET**  
**AS AT 31 DECEMBER 2014**

	Notes	2014 €	2014 €	2013 €	2013 €
<b>Fixed Assets</b>					
Tangible assets	5		-		225
<b>Current Assets</b>					
Debtors	6	4,587		4,316	
Cash at bank and in hand		48,828		49,501	
		<u>53,415</u>		<u>53,817</u>	
<b>Creditors: amounts falling due within one year</b>	7	<u>(7,755)</u>		<u>(10,865)</u>	
<b>Net Current Assets</b>			<u>45,660</u>		<u>42,952</u>
<b>Total Assets less Current Liabilities</b>			<u>45,660</u>		<u>43,177</u>
<b>Represented by:</b>					
Income and expenditure account			<u>45,660</u>		<u>43,177</u>
<b>Members' Funds</b>	8		<u>45,660</u>		<u>43,177</u>

The financial statements were approved by the Board on \_\_\_\_\_ and signed on its behalf by :

\_\_\_\_\_  
Gerard Stanley

\_\_\_\_\_  
James Hodgson

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
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**CASH FLOW STATEMENT**  
**FOR THE YEAR ENDED 31 DECEMBER 2014**

	Notes	2014 €	2013 €
<b><u>Reconciliation of Operating surplus to Net Cash Outflow from Operating Activities</u></b>			
Operating surplus/(deficit)		2,457	(9,599)
Depreciation		225	384
(Increase) in debtors		(271)	(3,019)
Increase /(decrease) in creditors		2,718	(4,262)
Net cash inflow/(outflow) from operating activities		<u>5,129</u>	<u>(16,496)</u>
<b><u>Cash Flow Statement</u></b>			
Net cash inflow/(outflow) from operating activities		5,129	(16,496)
Returns on investments and servicing of finance	9	<u>26</u>	<u>162</u>
Increase in cash in the year		<u>5,155</u>	<u>(16,334)</u>
<b><u>Reconciliation of Net Cash Flow to Movement in Net Funds</u></b>			
	10		
Increase in cash in the year		5,155	(16,334)
Net funds at 1 January 2014		<u>43,673</u>	<u>60,007</u>
Net funds at 31 December 2014		<u>48,828</u>	<u>43,673</u>

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
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**NOTES TO THE FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2014**

**1. Statement of 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.

**1.1. Accounting convention**

The audited financial statements have been prepared in accordance with accounting standards generally accepted in Ireland and Irish statute comprising the Companies Acts 1963 to 2013. Accounting Standards generally accepted in Ireland in preparing financial statements giving a true and fair view are those issued by the Accounting Standards Board and published by the Auditing Practices Board in the UK and Ireland.

The audited financial statements are prepared under the historical cost convention .

**1.2. Income**

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

**1.3. Tangible fixed assets and depreciation**

**Depreciation**

Depreciation is provided on all tangible fixed assets, at rates calculated to write off the cost less residual value, of each asset systematically over its expected useful life, as follows:

Computer equipment                      -     33.33% Straight-line

**2. Income**

The total income of the company for the year has been derived from its principal activity wholly undertaken in Ireland.

<b>3. (Deficit)/surplus of Income over Expenditure</b>	<b>2014</b>	<b>2013</b>
	€	€
The (deficit)/surplus of income over expenditure is stated after charging:		
Depreciation and other amounts written off tangible assets	225	384
Operating lease rentals		
- Land and buildings	2,752	1,600
Auditors' remuneration	2,460	2,460
	<u>          </u>	<u>          </u>
<b>4. Interest Receivable and Similar Income</b>	<b>2014</b>	<b>2013</b>
	€	€
Bank interest	26	162
	<u>          </u>	<u>          </u>

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
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**NOTES TO THE FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2014**

..... continued

**5. Tangible Fixed Assets**

	<b>Computer equipment €</b>	<b>Total €</b>
<b>Cost</b>		
At 1 January 2014	1,153	1,153
At 31 December 2014	<u>1,153</u>	<u>1,153</u>
<b>Depreciation</b>		
At 1 January 2014	928	928
Charge for the year	<u>225</u>	<u>225</u>
At 31 December 2014	<u>1,153</u>	<u>1,153</u>
<b>Net book values</b>		
At 31 December 2013	<u>225</u>	<u>225</u>

**6. Debtors**

	<b>2014 €</b>	<b>2013 €</b>
Trade debtors	3,927	3,656
Prepayments	<u>660</u>	<u>660</u>
	<u>4,587</u>	<u>4,316</u>

**7. Creditors: amounts falling due  
within one year**

	<b>2014 €</b>	<b>2013 €</b>
Bank overdraft	-	5,828
Accruals and deferred income	<u>7,755</u>	<u>5,037</u>
	<u>7,755</u>	<u>10,865</u>

**INSTITUTE OF GEOLOGISTS OF IRELAND LIMITED**  
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**NOTES TO THE FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2014**

..... continued

<b>8. Reconciliation of Movements in Members' Funds</b>	<b>2014</b>	<b>2013</b>
	<b>€</b>	<b>€</b>
surplus/(Deficit) for the year	2,483	(9,437)
Opening members' funds	43,177	52,614
Closing members' funds	<u>45,660</u>	<u>43,177</u>

<b>9. Gross Cash Flows</b>	<b>2014</b>	<b>2013</b>
	<b>€</b>	<b>€</b>
<b>Returns on investments and servicing of finance</b>		
Interest received	<u>26</u>	<u>162</u>

<b>10. Analysis of Changes in Net funds</b>	<b>Opening balance</b>	<b>Cash flows</b>	<b>Closing balance</b>
	<b>€</b>	<b>€</b>	<b>€</b>
Cash at bank and in hand	49,501	(673)	48,828
Overdrafts	(5,828)	5,828	-
	<u>43,673</u>	<u>5,155</u>	<u>48,828</u>
<b>Net funds</b>	<u>43,673</u>	<u>5,155</u>	<u>48,828</u>

**11. Ultimate Controlling Party**

The ultimate controlling parties of the company are the members of the organisation.

**12. Company Limited by Guarantee**

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 debt 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.