

# INSTITUTE OF GEOLOGISTS OF IRELAND



**2010 - 2011**

## **ANNUAL REPORT**

**and**

## **FINANCIAL STATEMENT**

### **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.*

April 2011

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## **1 PRESIDENT'S REPORT**

It has been an honour to be elected to serve the geosciences as a board member of IGI from 2006 and as President for the past two years. I would like to extend my thanks to the other board members, chairs and members of the IGI's sub-committees and various co-opted members for the sterling ongoing work which has been conducted since the last AGM. Thanks also to Susan and Ethel, our office staff for the ongoing smooth running of the day to day affairs of the Institute.

The period 2010 – 2011 continues to be a challenging period for many members of IGI as the construction, quarrying and national infrastructure arena remains depressed. Non-construction based sectors are, however, buoyant and opportunities for geoscientists in the metals exploration and mining, hydrocarbon exploration and development and a range of renewable energy sectors have increased significantly. IGI members remain well represented in these sectors in Ireland and overseas.

The period has seen professional membership of IGI remain stable or increase slightly, with a constant stream of applicants making their way through the process of becoming Professional Members. It remains obvious that our professional status and ability continue to be valued and relied upon and IGI will be continuing to promote the advantages of work undertaken by professionally accredited geoscientists as being superior to lower cost, lower quality non-professional standard operators.

To maintain that high level of professional status we are committed to the concept of Continuing Professional Development and a high standard of professional ethics and standards. These are essential baseline requirements for IGI members, to maintain our professional standards and a requirement to continue to be recognised by other international organisations and regulatory authorities. We will continue to update and amend our CPD, ethics and standards processes to ensure that they best serve our membership, while meeting these requirements.

There are a large number of reports outlining the work of the board members and others in a wide range of sub-committees and representation on outside bodies and committees. I will not steal the thunder of those who have worked hard on their chosen or appointed roles by detailing that work here. The board and the membership continue to promote the profession of geology and the IGI as will be outlined by those representing the IGI.

The board has continued to commit itself to providing a number of smaller, more focused training or learning events which will provide the membership with additional skills and knowledge which hopefully will assist the membership in gaining employment.

This year IGI has initiated an annual meeting with the original sponsoring bodies and has established a process for other geoscience bodies to become affiliated with IGI. It is hoped that these meetings and processes will allow greater co-operation between IGI and other geoscience bodies in Ireland, maximising the effect of the efforts of the small number of people that the various Irish geoscience bodies draw their support from.

IGI remains in robust health with a strong membership, vibrant ongoing activities, home and international recognition and an increasing role in Irish geoscience. I would like to thank the board members for the excellent work and commitment over the preceding period and wish the Institute and incoming board further success and growth for the future.

**EurGeol Dr John G. Kelly PGeo  
President**

## 2 HON. SECRETARY'S REPORT

### 2010 Annual General Meeting

The 2010 Annual General Meeting (AGM) of the IGI was held on Wednesday 26<sup>th</sup> May 2010 at 7pm in the GSI Lecture Theatre, Beggars Bush, Dublin 4. Minutes of the meeting have been distributed separately. The meeting was chaired by the IGI President, EurGeol Dr John Kelly PGeo.

At the AGM the following were elected to the Board of the IGI to serve during the year 2010/2011:

EurGeol Dr John Kelly, PGeo	President
EurGeol Dr Deirdre Lewis, PGeo	Vice president
EurGeol Gerry Stanley, PGeo	Honorary Secretary
EurGeol Morgan Burke, PGeo	Honorary Treasurer
EurGeol Barry Balding, PGeo	Board Member
EurGeol Andy Bowden, PGeo	Board Member
EurGeol Mary Carter, PGeo	Board Member
EurGeol Dr Jonathan Derham, PGeo	Board Member
EurGeol Marie Fleming, PGeo	Board Member
EurGeol Paul Gordon, PGeo	Board Member

### Board Meetings

The IGI Board met nine (9) times in 2010/2011 between the 2010 AGM and 30<sup>th</sup> April 2010, on the following dates 22<sup>nd</sup> June, 20<sup>th</sup> July, 28<sup>th</sup> September, 2<sup>nd</sup> November, 14<sup>th</sup> December, 18<sup>th</sup> January, 22<sup>nd</sup> February, 22<sup>nd</sup> March and 19<sup>th</sup> April. One further meeting is scheduled to take place in May 2011.

The number of meetings (out of 8, at the time of writing) attended by Directors and Board Members was as follows:

John Kelly (6), Deirdre Lewis (6), Gerry Stanley (8), Morgan Burke (5)\*, Barry Balding (5), Andy Bowden (6), Mary Carter (1), Jonathan Derham (5), Marie Fleming (4) and Paul Gordon (6). Morgan Burke was available for only 5 meetings.

### Membership

As of the 22<sup>nd</sup> March 2011, there are 148 Professional Members of the Institute, 23 Members-In-Training, 5 Retired Members and 1 Associate Member. Five new Professional Members were elected during the year:

Peter Glanville  
Oliver Higgins  
Stephen Letch  
Henning Moe  
Noretta Noonan

One new Member-In-Training was elected during the year:

Emer Blackwell

Four PGeos were awarded the title of European Geologist (EurGeol) by the European Federation of Geologists (EFG) during the year:

Peter Glanville  
Oliver Higgins  
Stephen Letch  
Henning Moe

No persons transferred to Retired status.

One person transferred to Associate Membership status:

Fionnuala Collins

Four members (PGeo) resigned during the year:

Matthew Eynon  
Loreto Farrell  
Peadar McArdle  
Brendan O'Kelly

One Member passed away during the year:

Breacan Mooney RIP

No members (MIT) resigned during the year:

Two MITs were delisted during the year.

Veronica Hawe  
Rebecca Noonan

**EurGeol Gerard A. Stanley PGeo  
Hon. Secretary**

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

A copy of the 2010 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 first year Kieran Ryan & Co. has audited the Institute's accounts and prepared its financial statement. I am glad to report that we have enjoyed a successful start to our relationship with this firm.

The financial statement reflects the Institute's financial position in the year 2010 to the 31<sup>st</sup> of December.

The Institute realised a small surplus of €719 between its income and expenditure in 2010. This figure excludes income receivable from interest on investments of €171, which when included increases the retained surplus for 2010 to €890. This compares to a retained deficit of €13,894 in 2009.

Total income for 2010 including bank interest is €39,676 versus €38,786 expenditure for the year. The Institute's income and expenditure for 2010 both decreased substantially from 2009 reflecting the Institute's hosting of the European Federation of Geologists Council Meeting and the Institute's 10<sup>th</sup> anniversary celebrations in that year.

A deficit of €7,295 had been predicted in the budget for 2010. This forecast deficit was due to a budgeted amount of €7,400 to cover the back-payment of uninvoiced membership subscription fees to the European Federation of Geologists for the years 2006, 2007, 2008 and 2009. This backlog was cleared during 2010 as well as payment of fees due for 2010. It has been agreed with the EFG that going forward invoices will be issued on an annual basis.

The forecast deficit of €7,295 for 2010 was not realised due largely to less expenditure during the year than was forecast. In particular the running costs of two courses provided during the year was less than budgeted representing a saving of €4,300. Also, the cost of delegates attending EFG and PERC meetings was less than forecast with a saving of €1,600 on this item.

Income and expenditure for 2011 is conservatively predicted to more or less break even with a small operating surplus of €110 forecast. The budget aims to meet the Institute's day to day running costs from membership subscriptions and application fees.

The budget for the calendar year 2011 was approved at a Board meeting held on the 19<sup>th</sup> of April 2011.

**EurGeol Morgan Burke PGeo**  
**Hon. Treasurer**

## **4 COMMITTEE AND DELEGATE REPORTS**

### **4.1 VALIDATION COMMITTEE**

The Validation Committee held two validation interview sessions since the last Annual General Meeting in May 2010.

On the 20<sup>th</sup> October 2010 a panel comprising Kevin Cullen, Morgan Burke and Gerry Baker interviewed five candidates:

- i) Peter Glanville
- ii) Oliver Higgins
- iii) Henning Moe
- iv) Noretta Noonan

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

On the 9<sup>th</sup> November 2010, a panel comprising Sean Finlay, Morgan Burke and David Blaney interviewed one candidate:

- i) Stephen Letch

The candidate met the required educational and technical criteria and was recommended by the interviewing panel for acceptance as a Professional Geologist.

The Validation Committee will hold three more interview sessions during May 2011.

On the 16<sup>th</sup> May 2011 a panel comprising Morgan Burke, Robbie Meehan and Gerry Baker will interview two candidates:

- i) Catherine Buckley
- ii) Claire Clifford

On the 18<sup>th</sup> May 2011 a panel comprising Morgan Burke, Dave Blaney and John Kelly will interview two candidates:

- i) Andrew Garne
- ii) David Power-Fardy

On the 25<sup>th</sup> May 2011 a panel comprising Morgan Burke, Sean Finlay and Dave Blaney will interview three candidates:

- i) Ian Farrelly
- ii) Jeremy James
- iii) Thomas Moore

The mix and competence of candidates interviewed in the past year has demonstrated the varied disciplines in the IGI, extending from mineral geologists, to hydrogeologists, to engineering geologists. The elected candidates will add a welcome mix to the experience of other IGI members.

**EurGeol Mark Conroy PGeo.**

## **4.2 CONTINUING PROFESSIONAL DEVELOPMENT**

As has been emphasised in previous reports, a Continuing Professional Development (CPD) programme is an essential part of any modern Professional body. The IGI's standing in the international community is very much dependant upon the rigour and completeness of our CPD reporting process. If we wish to be a profession, we must continue with a CPD programme.

However, it is quite clear that it is unpopular and to many it seems to be unfair. Members of the IGI are meant to complete their CPD returns for any particular year by April in the following year. At this time of writing, in early April 2011, only a few have completed their CPD returns for 2010 and worse still, there are 13 members who have not completed their returns for 2009. It could be argued that they are not acting in a professional manner and should be disqualified from membership but it is such a large number and the list contains some people I know personally as highly respected geologists that we must ask ourselves is there something wrong with the system.

A new audit committee was set up in 2010 to review the submitted CPD returns for 2009. They reviewed 25% of the returns and have submitted a detailed report. Most of the comments applied to individual returns but on a more general level, it is their opinion that a large number of respondents do not fully understand the point of professional development, they do not relate development goals with their activities and many members, those not on a board or committee and/or writing papers, seem to have trouble achieving the required number of CPD hours – the system 'is loaded against those in consultancy/company employment and towards those in academia/regulation'.

Either our current CPD system needs an overhaul or the IGI needs to provide clearer guidelines as to what is required. As was stated at the beginning, a CPD programme is essential but suggestions as to how it can be modified and improved are welcomed. All suggestions will be considered and it is hoped that a new CPD form with appropriate explanatory guidelines will be available by the end of the 2011.

**EurGeol Andy Bowden PGeo.**

## **4.3 ETHICS and DISCIPLINARY COMMITTEE REPORTS**

The outstanding complaint made against a member in 2009 was withdrawn in the current period. A review of the Ethics and Disciplinary procedures within IGI has been undertaken in light of legal advice and a revised procedure and timetable for dealing with ethics complaints has been established by the board.

A revision of the Ethics and Disciplinary sections of the Articles of Association is being undertaken.

**EurGeol Dr John G. Kelly PGeo**



#### **4.4 COMMUNICATIONS COMMITTEE**

The IGI communicates with its membership throughout the year via the IGI's website ([www.igi.ie](http://www.igi.ie)), direct emails from the IGI office and the IGI Newsletter.

##### **Newsletter**

The current editorial style of the *IGI Newsletter* is not to try to be a journal of scientific papers, but rather to bring forward news, developments, policy, information and resources that may be of professional, academic, personal or passing interest to members. We are a broad church of geoscientists, accordingly the Newsletter, through its ecumenical mission, adopts a wide pallet in it's the material it covers. The IGI committee will continue to bring out the *Newsletter* on a quarterly basis where possible. There is a standing request for articles, news items, etc., from members: please contact the editor in that regard. Indeed any feedback on content of the Newsletter is welcome, as this will assist in orientating content.

All IGI newsletters are available on the IGI website at

<http://www.igi.ie/publications/newsletters.htm>

##### **EurGeol Jonathan Derham PGeo**

##### **Website**

Following several years looking after the website, Stephen Bradley has passed on the keyboard as he prepares to emigrate.

The IGI have contracted Mr. Eamonn Kelly of SLR Consulting to look after the website in the future and to ensure regular and timely updates to the site.

The IGI, in conjunction with the sponsoring and other geoscience bodies, have undertaken to establish an Irish Geosciences Web Calendar on the IGI Website where all Geoscience bodies on the island of Ireland can list their events, with links from the IGI Web Calendar to the details of the event listed. This will provide a single point site for information on Irish geoscience events and will assist organisations in planning and selecting dates for their events.

##### **EurGeol Dr John G. Kelly PGeo**

## 4.5 CONFERENCE AND COURSE COMMITTEE

The IGI Board undertook in 2009 to undertake a number of training courses and workshops to assist in increasing the skills of members during the current economic climate. Course fees for IGI members have been subsidised by IGI with members enjoying significantly lower course fees than non-members.

A Peat Geotechnics Workshop, organised by Barry Balding and covering all relevant areas relating to peat was held in GSI on the 7<sup>th</sup> of October 2010. The course covered a wide range of topics ranging from the nature of peat, determination of relevant information regarding peat, assessing the information obtained relevant to proposed developments and regulatory requirements for peat assessment in relation to various developments. The course was exceptionally well attended with attendance closing before the registration deadline with a significant number of non-IGI members attending.

Given the number of members establishing themselves as sole traders, a course on Establishing and Managing Your Own Business was organised by Gerry Stanley and held in Tullamore on the 18<sup>th</sup> of January, 2011. All areas relevant to starting and running a business were covered and again the course was exceptionally well attended.

A number of courses are in various stages of planning and implementation for the year ahead including Presentation Skills Including Expert Witness And Oral Hearings, Resource Reporting etc.

**EurGeol Dr John G. Kelly PGeo**

## 4.6 EDUCATION / PUBLIC OUTREACH

**Careers in Geoscience:** Central to achieving ongoing excellence in geosciences in Ireland to meet increasing demands in resources management will be a commitment to public outreach and education, particularly in attracting primary and second level students to continue into third and fourth level study & research.

With a few rare exceptions, Geoscience is not adequately promoted to potential third level students within our primary and second level schools, as many students drop 'Science' as a subject too early in the second level cycle, while geology is taught mainly as 'physical geography'. IGI have continued to work with the Irish national career guidance site [www.careersportal.ie](http://www.careersportal.ie) to provide information on an integrated platform to allow students to plan their careers. With the Environmental Protection Agency (EPA), Engineers Ireland and other players in the earth sciences, the **Earth Sciences and Environment** are now being actively promoted to second level students. The IGI is continuing to liaise with the education sector to ensure that geosciences are promoted to those who are at the stage of choosing courses to consider an exciting career in the geosciences.

The **Irish Geoscience Graduate Programme** was launched during the year, with a pilot phase of 15 modules offered in 2010-2011, spanning geology, applied maths and physics, geophysics, seismology, managing large datasets, magmatic systems, micropalaeontology, neotectonics and basinal analysis among others. Prof. Ben Kennedy has worked hard to achieve these integrated modules across UCD, TCD, DIAS, GSI/GSNI, and UCC, whereby students (3<sup>rd</sup> and 4<sup>th</sup> level, as well as industry candidates) can avail of high level teaching and research expertise across the island of Ireland.

In the same vein, **National Heritage Week** provides a great opportunity to reach the general public and to promote our science, particularly to young people. Last year, IGI membership participated individually in leading local heritage activities. This year's Heritage Week will run from **Saturday 20<sup>th</sup> to Sunday 28<sup>th</sup> August** and the Heritage Council is currently seeking

submissions for events and items of interest to the general public [www.heritagecouncil.ie](http://www.heritagecouncil.ie) . Anybody with ideas...feel free to contact Deirdre Lewis and we'll try to co-ordinate a national Geoscience response to the call! [dlewis@slrconsulting.com](mailto:dlewis@slrconsulting.com)

The **National Geoparks** movement is growing and in addition to the existing Copper Coast Geopark in Co Waterford, and the international Cuilcagh Mountains/ Marble Arch Geopark in Fermanagh/ Cavan, a number of candidate sites are working to achieve the UNESCO designated status including the Burren, Co Clare; the Mourne/Cooley/Gullion in Cos. Down, Armagh and Louth; the Kerry Mountains and the Joyce Country, Co Galway. The IGI remains in contact with Sophie Preteseille, who is doing sterling work in GSI in co-ordinating the national effort and building links with the European Geoparks Network.

**EurGeol. Dr Deirdre Lewis PGeo.**

#### **4.7 UPDATING OF IGI GUIDELINES 'GEOLOGY IN EIS'**

The IGI's *Guidelines for Geological Contributions to Environmental Impact Statements (EIS)*, published in 2002, is continuing to be reviewed in the context of EU requirements and national legislation in relation to mine waste, management of chemicals (REACH), historical mines, waste management, environmental liabilities and a host of evolving regulations.

The IGI will be represented at a EuroMines workshop hosted by the Irish Mining & Exploration Group (IMEG) of IBEC in Dublin in 27<sup>th</sup> April 2011, which will provide a useful update on the various EU directives.

**EurGeol. Dr Deirdre Lewis PGeo.**

#### **4.8 Guidelines for Drilling of Shallow Geothermal Boreholes**

The framework document for the guidelines produced in 2010 is being updated prior to being circulated to various stakeholders for their input. The guidelines will deal with the drilling and installation of shallow geothermal boreholes down to a depth of ca. 300m.

The guidelines will cover the following topics:

- a) General background
- b) Sustainability
- c) Need for Guidelines
- d) Objective of Guidelines
- e) Geothermal energy sources in Ireland
- f) Shallow geothermal borehole construction (with step-by-step graphical representation)
- g) Protocols for drilling and installation of shallow geothermal boreholes
- h) Health and Safety
- i) Quality assurance and quality control
- j) A list of reference materials

A final draft wasn't completed in 2010 as previously planned. In the interim additional information has been gathered and collated. It is planned to have a draft for circulation to stakeholders by end of Q3 2011.

**EurGeol. Barry Balding PGeo.**

#### 4.9 EUROPEAN FEDERATION OF GEOLOGISTS

This was another successful year for the EFG in furthering its mission to promote the profession and practice of geology as the representative body of the profession in 21 countries. Best practice standards and mobility are promoted through the award of the professional title of European Geologist, of which IGI members comprise nearly 20% of the current holders. Through active representations to the EU Commission as well as major involvement in two EU funded projects and co-organisation of international meetings the EFG continues to have a high profile, while the European Geologists Magazine, newsletter and website at [www.eurogeologists.de](http://www.eurogeologists.de) continue to be the main EFG tools in promoting the profession.

The EFG Council met twice in 2010, at Potsdam, Germany (28-29<sup>th</sup> May) and Brussels (27-28<sup>th</sup> November). The IGI Delegates at Potsdam were Andy Bowden (who had replaced Fionnuala Collins) and Gerry Stanley, while Andy Bowden was the sole delegate at Brussels due to the unavailability of Piers Gardiner.

Nominations for three Board Positions were sought prior to the Potsdam meeting: Vice President, EU Delegate and Treasurer. The IGI proposed Piers Gardiner for a further two year term as Treasurer but he withdrew following problems with the way that the Regulation concerned nominations was interpreted by the EFG. The IGI expressed strong concerns and availed of the opportunity to provide proposals (including an appeals mechanism) to modify the Regulation (N7) at the Potsdam meeting, to ensure that such problems would not be repeated. Significant changes subsequently provided by the IGI were largely accepted by the EFG Council in November 2010.

Other items of interest included:

- Elections to the 3 vacant Board positions
- EFG involvement and Irish input into the EU funded Geotrainet and EuroAges projects.
- Expert Panels, with Andy Bowden appointed as co-ordinator to the Minerals panel.

#### Council Meeting at Potsdam 29-30<sup>th</sup> May 2010

This annual summer meeting was hosted by Germany and attended by 27 delegates from 14 member countries. A 4 member delegation from the AIPG (USA), which is an Associate Member of the EFG, also attended.

The President highlighted the need for the EFG to have a strategic plan, to be presented for approval at the 2011 summer meeting. There was a pressing need to ensure adequate financial and human support for the expanding programme of activities, helped by proposed financial management changes by the Treasurer and employment of an office assistant. The need for the plan was subsequently endorsed by Council and it was decided to establish 4 working groups to progress various aspects. On the wider front the President stated that the EFG is holding a joint workshop with the Croatian Geological Survey on the legislative and regulatory framework for geologists in Europe in October, and that Turkey is in discussion about joining the EFG.

The Vice President expressed concerns that the EFG activities should not lose sight of supporting individual geologists and National Associations (“down reach”) at the expense of expanding “outreach” activities. Some National Associations are struggling to pay affiliation fees and to justify their EFG membership to their own geologists. He suggested that the EFG should produce an annual report, and give annual prizes for the “best Young Professional Geologist” and the best “Geologist Company of the Year”.

Although absent, the Treasurer provided documentation and presentations outlining the revised banking and proposed database rationalisation with new accounting software for centralising all financial data to conform with Belgian requirements, including auditing and the need to make VAT returns. The 2008 accounts had been audited, showing a loss of some €12,500, while the 2009 accounts showed a profit but were still under audit. In both cases there had been a significant write off of bad debts. With significant profit due from the Geotrained Project in 2010 the proposed 2011 budget also showed a surplus of over €20,000 and was approved by Council. The Council however decided to review the financial management structures before any software or other decisions were made.

Other reports from Board officers included proposed changed printing arrangements for the European Geologist Magazine with consequent cost reduction. Following Council assessment it was however decided that the EGM should in future be distributed in digital format apart from 200 copies for the EFG office, and that National Associations will be responsible for providing their own hard copies.

Reports were provided on the Carbon Capture and Storage Expert Panel (of which Deidre Lewis is a member) and the EuroGeoSurveys workshop on “The Voice of European Geosciences” held in March 2010. Following the workshop the EFG was invited to become affiliated to the IUGS.

The GeoTrainet Project (Training and Education of Designers and Drillers of GeoThermal Heat Pumps) managed by the EFG has developed curricula for training courses (for which Gareth Jones is involved in manual preparation), launched an e-learning platform and held 5 courses to date. 238 professionals from 22 European Countries have been trained so far. The Project terminates in February 2011.

The Euro-Ages Project, aimed at establishing a European qualifications framework, has ‘mapped’ the existing geology qualifications from 27 countries. The objective was to increase transparency regarding earth science qualifications across Europe to facilitate improved professional mobility. A final conference will be held in Budapest in October 2010.

The three Board vacancies for a two year term of office were filled as follows: Vice-President: Nieves Sanchez (Spain). Secretary General: Elizabeth Dacker (Sweden). Treasurer: Leonard Luzieux (Switzerland). There was no competition for the posts.

### **Council Meeting at Brussels 27-28<sup>th</sup> November 2010.**

This regular winter meeting was attended by 15 delegates from 11 member countries, together with 4 EFG officials.

The President reported on various meetings, while the Vice President provided a briefing on the work to date on the strategic Plan and offered on behalf of Spain to host the 2012 summer meeting in the Canary Islands.

The Treasurer said that the projected budget surplus for 2010 would be approximately €24,000, and that the 2009 audited accounts showed a surplus of some €19,000. Financial information is being held on spreadsheets rather than on specialist software and VAT returns apparently have yet to be addressed. Council agreed that future annual accounts should be informally reviewed before going to audit and 3 delegates were approved for this purpose (of which Piers Gardiner was one).

Activities relating to the GeoTrainet Project consisted of finalising the curricula manuals for designers and drillers, the successful launch of the e-learning platform on the project website, and preparation of the certification guidelines. Two further training courses were also provided in 2010 and the final one was scheduled to be held in Brussels in January 2011.

At the final Conference of the EuroAges Project at Budapest in October the main deliverables were presented. These included the qualifications framework and the academic perspective on the quality assurance of geology in Higher Education. The final report was made available in January 2011.

The EFG is starting a new project in February 2011 which will run for 3 years, entitled "PanGeo". The objective is to provide free and open access to geological risk information by adding a GIS georisk layer to the GIS of urban areas.

Reports were made on the work of several expert panels. Currently active ones include Geothermal Energy (co-ordinator Gareth Jones), Carbon Capture and Storage, Natural Hazards, and Soils and Geological Heritage. Andy Bowden was appointed the new co-ordinator for the panel dealing with Minerals. In this role he co-ordinated the preparation of an EFG position paper for consideration by the EU at their meeting entitled "Raw Materials for a modern society", held in Brussels on 28<sup>th</sup> February this year. Andy also attended a meeting held by the UN Economic Commission for Europe in early April on Reserve classifications.

The IGI have submitted their Licence renewal application (to grant the EurGeol title) which it is anticipated will be granted at the Budapest meeting.

**EurGeol Andy Bowden PGeo**  
**EurGeol Piers Gardiner PGeo**

#### **4.10 Meeting With Sponsoring Bodies**

A meeting between the IGI Executive and Executive members of the boards and committees of the original IGI Sponsoring Bodies was held on the 8<sup>th</sup> of February 2011. The meeting was an opportunity for IGI to outline progress in developing professional geoscience to date and to investigate areas of closer future co-operation between IGI and the sponsoring bodies.

A wide range of topics and areas were covered and a number of areas for future co-operation were agreed upon. IGI proposed the establishment of an Irish Geosciences event calendar point of contact via the IGI website and this is currently being implemented.

Feedback on the meeting was very positive and it was agreed that a meeting between the IGI Executive and representatives of the sponsoring bodies would become an annual event.

**EurGeol Dr John G. Kelly PGeo**

#### **4.11 RIA GEOSCIENCES COMMITTEE**

The Royal Irish Academy Geosciences Committee (RIAGC), an all-island body comprising representatives of public, private and academic sectors, meets quarterly, to develop and advise government on matter pertaining to public geosciences policy. Deirdre Lewis represents the IGI on the Committee. For more information see:

<http://www.ria.ie/our-work/committees/committees-for-science/geosciences.aspx>.

During 2010-2011, the RIAGC has been focussed on a range of issues including the promotion of science education at second level. It has been engaging at a high level with the Department of Education and the Teaching Council of Ireland and others in relation to the science curriculum at second level, as well as the recognition of Geology degrees for teaching of Geography to Leaving Cert level.

The public communication of geo-related extreme events is an ongoing element of the RIA's work and it has made a link with the National Directorate for Emergency Planning & Management to ensure that geosciences are adequately advised to the Directorate.

The GSI and GSNI are both represented on the RIAGC and they were delighted to announce jointly that InterReg funding €4.5 million has been allocated to the TELLUS programme to extend Northern Ireland's airborne and ground survey activity into the border counties of the Republic of Ireland. This is a collaborative effort by GSNI, GSI, EPA, NIEA, Dundalk and QUB, and is good news indeed for the geosciences community.

The RIAGC is currently planning a major event to celebrate 'Dublin: City of Science 2012', to ensure that the Geosciences are adequately represented in the year-long calendar of events. <http://www.dublinscience2012.ie/>. The idea is to bring together experts from diverse fields to present topics from an interdisciplinary point of view in more interactive ways to non-specialists. Interdisciplinary may include non-scientific approaches such as economics, policy-making, etc. There is also a public engagement programme (call deadline also 30th June), planned to be a year-long programme of public engagement events to be held throughout the island of Ireland in 2012.

The RIAGC is continuing to review its electoral policy and membership to ensure that each discipline of geosciences can best be represented.

**EurGeol. Dr Deirdre Lewis PGeo.**

## 5 REPORTS FROM OTHER BODIES

### 5.1 RESOURCE REPORTING – PERC AND CRIRSCO

The PERC Code was published on December 30<sup>th</sup> 2008 and promulgated in January 2009. It was then formally adopted by the IGI. The Code is therefore binding on all members of the IGI who act as Competent Persons in the field of resource reporting.

The next step in the advancement of the code was to lobby regulatory and financial institutions in order to have the Code installed as the reference code for minerals resource reporting in Europe. PERC had begun lobbying the UKLA<sup>1</sup> by 2010. In April of 2010 CESR<sup>2</sup> produced a consultation paper on proposed amendments to the regulations governing reporting by mineral companies, giving an ideal mechanism to lobby CESR (since re-named to the European Securities and Markets Authority, or ESMA).

The CESR consultation paper noted shortcomings in the existing regulations, suggested changes and asked for feedback from interested parties. The PERC response answered the questions asked by CESR and expanded on a number of key areas, particularly the areas of regulation of Competent Persons and the choice of codes which would be permitted under the new regulations. The committee's submission strongly recommended that CESR adopt the PERC code as the primary code for reporting in the EU and pointed out that reconciling other CRIRSCO-aligned codes was not onerous. The submission also included the recommendation that only CRIRSCO-aligned codes should be acceptable if CESR were to proceed with its proposal to allow a 'menu' of reporting codes. The closing date for submissions was mid-July 2010.

In addition to the PERC submission, supporting statements were sent to CESR by CRIRSCO and other national reporting organisations.

On 23<sup>rd</sup> March of this year ESMA published its feedback statement regarding all submissions received. The authority did not see fit to adopt the PERC code as a single reporting code but the committee was pleased to see that only CRIRSCO-aligned codes will be recommended as being acceptable for mineral reporting purposes in the EU. Overall, the decision is seen as a positive first step in gaining greater recognition and stature for the PERC code. The PERC submission and other details can be found at <http://www.perc.co> and the ESMA response at <http://www.esma.europa.eu>.

From an Irish standpoint, the IGI has written to the Exploration and Mining Division (EMD), requesting it to include a recommendation in its reporting guidelines that the PERC and/or other CRIRSCO-aligned codes be used, with a preference for PERC.. An initial, brief discussion has taken place within EMD.

In the latter part of 2010 CRIRSCO developed a number of definitions to be included in the various member codes. A revised code including these definitions has been drafted. The draft also includes changes to the definition of a Competent Person. It is also proposed that the code be re-named as the PERC Standard.

CRIRSCO has continued to push for continued alignment of reporting standards across the globe and has been co-operating closely with GKZ<sup>3</sup> on creating a new Russian code, aligned with CRIRSCO. A letter of invitation to potential new members of CRIRSCO was written in February of this year.

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1 United Kingdom Listing Authority

2 Commission of European Security Regulators

3 Russian State Commission on Mineral Reserves



CRIRSCO held its Annual Meeting in Moscow, Russia, on Tuesday 28 and Wednesday 29 September, 2010. All current members of the committee attended. The Chairman (Roger Dixon) welcomed new CIM representative Paul Bankes and acknowledged the retirement of John Postle (CIM) and the pending retirement of former Chairman Niall Weatherstone (PERC), who have both given long and valued service. CRIRSCO representatives continue to participate in discussions with the UN Economic Commission for Europe (UNECE). Stephen Henley of PERC was nominated as the CRIRSCO representative on the Communications sub-committee of the Expert Group of Resources Classification.

A discussion paper issued by the International Accounting Standards Board endorsed the use of the CRIRSCO reporting template for definitions and a number of other areas. The document 'Guidelines on alignment of Russian reporting of mineral standards and the CRIRSCO template' was developed and approved for signing. This will be highly beneficial to "western" resource companies operating in Russia, and to Russian companies listed on "western" stock exchanges.

In other related news, an update to Canadian National Instrument 43-101 has raised the minimum requirement for Australian geoscientists acting as Competent Persons to Fellow of either the Australian Institute of Geoscientists (AIG) or the Australasian Institute of Mining and Metallurgy (AusIMM). The situation regarding IGI PGeos remains the same, i.e. that they may act as CPs if the resource/reserve being reported is outside Canada.

**EurGeol Paul Gordon PGeo; EurGeol John A Clifford PGeo**

## **5.2 Mutual Recognition Agreement with the Canadian Council for Professional Geoscientists (Geoscience Canada)**

The IGI have been in discussion with the CCPG in relation to establishing a Mutual Recognition Agreement between the two bodies. Significant discussions have taken place and CCPG are currently undertaking a major review of professional geoscience practice in Canada. As part of this process, CCPG are undertaking due diligence on a select number of geoscience regulatory bodies in other countries with a view to entering MRAs. IGI is part of that due diligence process and is working closely with CCPG on this matter.

**EurGeol Dr John G. Kelly PGeo**

## **6 NOTICE OF EXTRAORDINARY GENERAL MEETING**

Notice is hereby given that an Extraordinary General Meeting of the Institute of Geologists of Ireland Limited will be held at 6.30 p.m. on June 1<sup>st</sup> 2011 at the Geological Survey of Ireland, Beggars Bush, Haddington Road, Dublin 4 for the following purposes:

- i) To approve a number of amendments to the Articles of Association of the Institute (attached).

By Order of the Board

Gerard A. Stanley  
Secretary

Dated April 13<sup>th</sup> 2011.

## **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 7.00 p.m. on June 1<sup>st</sup> 2011 at the Geological Survey of Ireland, Beggars Bush, Haddington Road, Dublin 4 for the following purposes:

- i) To receive and consider the Directors' Report and Audited Accounts for the year ended December 31<sup>st</sup> 2010.
- ii) To elect Directors.
- iii) To appoint Kieran Ryan & Co. as Auditors and to authorise the Directors to fix their remuneration.
- iv) To transact any other ordinary business of the Annual General Meeting.

By Order of the Board

Gerard A. Stanley  
Secretary

Dated April 13<sup>th</sup> 2011.

## 8 NOMINATIONS FOR DIRECTORS

The Nominations Committee, under the Chair of Kevin Cullen (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> May 2010.

### Executive Directors

<b>President:</b>	EurGeol Dr Deirdre Lewis PGeo	(1 <sup>st</sup> year of 2 year term)
<b>Vice-President:</b>	EurGeol Gerry Stanley PGeo	(1 <sup>st</sup> Year of 2 Year Term)
<b>Treasurer:</b>	EurGeol Barry Balding PGeo	(1 <sup>st</sup> Year of 2 Year Term)
<b>Secretary:</b>	EurGeol Dr Jonathan Derham PGeo	(1 <sup>st</sup> Year of 2 Year Term)

### Non-Executive Directors

EurGeol Andy Bowden PGeo	(3 <sup>rd</sup> Year as a Committee Member)
EurGeol Marie Fleming PGeo	(2 <sup>nd</sup> Year as a Committee Member)
EurGeol Paul Gordon PGeo	(2 <sup>nd</sup> Year as a Committee Member)
Bruce Misstear PGeo	(1 <sup>st</sup> Year as a Committee Member)
EurGeol Riccardo Pasquali PGeo	(1 <sup>st</sup> Year as a Committee Member)
EurGeol Lloyd Twomey PGeo	(1 <sup>st</sup> Year as a Committee Member)

### NOMINATIONS COMMITTEE

EurGeol Kevin Cullen, PGeo (Chair)  
 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 office by Friday, 15<sup>th</sup> April 2009.

## **9 IGI CORPORATE STRUCTURE**

<b>IGI OFFICE</b>	UCD School of Geological Sciences, UCD, Belfield, Dublin 4 Tel. +353 1 716 20 85; Fax +353 1 283 7733  <a href="mailto:admin@igi.ie">admin@igi.ie</a>  <a href="http://www.igi.ie">www.igi.ie</a>
<b>ADMINISTRATIVE SECRETARY</b>	Mrs. Susan Pyne
<b>ACCOUNTS PERSON</b>	Mrs. Ethel Stringer
<b>AUDITORS</b>	Kieran Ryan & Co., 20 Upper Mount Street, Dublin 2.
<b>BANKERS</b>	Bank of Ireland, College Green, Dublin
<b>IGI REGISTERED OFFICE</b>	20 Upper Mount Street, Dublin 2.
<b>COMPANY NUMBER</b>	31440
<b>CHARITY NUMBER</b>	CHY 13580

## **IGI Board Members**

### **Executive Directors**

President:	EurGeol Dr John Kelly, PGeo
Vice President:	EurGeol Dr Deirdre Lewis PGeo
Secretary:	EurGeol Gerard Stanley, PGeo
Treasurer:	EurGeol Morgan Burke, PGeo

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

EurGeol Barry Balding, PGeo  
EurGeol Andy Bowden, PGeo  
EurGeol Mary Carter, PGeo  
EurGeol Dr Jonathan Derham, PGeo  
EurGeol Marie Fleming, PGeo  
EurGeol Paul Gordon PGeo

### **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**

### **Ethics Committee**

EurGeol Professor Ben Kennedy, PGeo (Chair)  
EurGeol Dr John Ashton, PGeo  
EurGeol Dr Matthew Parkes, PGeo

### **Disciplinary Committee**

EurGeol John Arthurs, PGeo  
EurGeol Dr Eibhlín Doyle, PGeo

### **Nominating Committee**

EurGeol Kevin Cullen (Chair)  
EurGeol Gareth Ll. Jones, PGeo  
EurGeol Eibhlín Doyle PGeo  
EurGeol Peter O'Connor PGeo  
EurGeol John Clifford PGeo

**Validation Committee**

EurGeol Mark Conroy PGeo (Chair)  
 EurGeol David Blaney PGeo  
 EurGeol Kevin Cullen PGeo  
 EurGeol Morgan Burke PGeo  
 EurGeol Sean Finlay PGeo

**CPD Committee**

EurGeol Andy Bowden PGeo (Chair)  
 EurGeol Dr Julian Menuge, PGeo  
 EurGeol Gareth V. Jones, PGeo (auditor)  
 EurGeol Eugene Daly, PGeo (auditor)

**The IGI is represented on the following bodies:**

<b>Organisation</b>	<b>IGI Representative</b>
European Federation of Geologists	EurGeol Andy Bowden PGeo, EurGeol Dr Piers Gardiner PGeo
EFG Expert Panel on Minerals (Chair)	EurGeol Andy Bowden PGeo
EFG CPD Working Group	EurGeol Dr Julian Menuge PGeo
EFG Disciplinary Committee	EurGeol Christian Schaffalitzky PGeo
EFG Appeals and Investigation Panel	EurGeol Dr John Kelly PGeo
GSI Consultative Committee	EurGeol Andy Bowden 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,	( <a href="http://www.iaeg.org">www.iaeg.org</a> )
The Geophysical Association of Ireland.	( <a href="http://www.gai.ie">www.gai.ie</a> )
The International Association of Hydrogeologists (Irish Group).	( <a href="http://www.iahireland.org">www.iahireland.org</a> )
The Irish Mining and Quarrying Society.	( <a href="http://www.imqs.ie">www.imqs.ie</a> )
The Geotechnical Society of the Institution of Engineers of Ireland.	( <a href="http://www.iei.ie">www.iei.ie</a> )

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

American Institute of Professional Geologists

Canadian Council for Professional Geoscientists

Geological Society of London

## **Bodies Recognising PGeo**

### **Ireland**

Exploration and Mining Division, DCMNR – required for prospecting licence work reports

Environmental Protection Agency – preferred for professional reports

An Bord Pleanála – preferred for professional reports

### **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**