



# ANNUAL REPORT 2015

EUROPEAN FEDERATION OF GEOLOGISTS



# Content

<i>1 EFG in brief</i>	3
<i>2 Message from the President</i>	4
<i>3 Message from the Executive Director</i>	5
<i>4 Organisational structure</i>	6
<i>5 EFG Strategic actions</i>	9
<i>a EFG Members</i>	9
<i>b European Network</i>	15
<i>c Global Network</i>	23
<i>d GeoExpert</i>	25
<i>e Services</i>	27
<i>f Projects</i>	29
<i>g Communication</i>	34
<i>6 Financial report</i>	36
<i>7 Sponsorship</i>	42

This report has been edited by the European Federation of Geologists (EFG).  
© Copyright 2016 The European Federation of Geologists.

Cover photo: D. Afekare, A late Devonian Structure at Pease Bay © EAGE/EFG 2015.  
Picture credits: pp. 2, 3, 4, 5, 6, 9, 36, 42 © EAGE/EFG 2015.

All rights reserved. No reproduction, copy or transmission of this publication may be made without written permission. No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence, or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein.

EFG Office  
C/O Geological Survey of Belgium  
Rue Jenner 13  
B-1000 Brussels  
[www.eurogeologists.eu](http://www.eurogeologists.eu)



FÉDÉRATION EUROPÉENNE DES GÉOLOGUES  
EUROPEAN FEDERATION OF GEOLOGISTS  
FEDERACIÓN EUROPEA DE GEÓLOGOS

The European Federation of Geologists (EFG) is a not-for-profit organisation whose purpose is to represent the professions of geology in Europe, especially to the European Union (EU) and its various bodies. EFG is based in Brussels, was established in 1981 and represents today geoscientists from 24 European countries.

EFG contributes to protection of the environment, public safety and responsible exploitation of natural resources by

- promoting excellence in the application of geoscience;
- supporting research and teaching that underpins it;
- raising public awareness of the importance of geoscience to society.

Public safety, sustainable development, responsible use of natural resources, wealth creation and effective prediction, prevention and mitigation of natural hazards are best served by educated and appropriately trained professional geologists working transparently with other professionals and communicating effectively with the public. To those

ends, EFG encourages professional development by promoting training and Continuing Professional Development and offering validation (certification) through its internationally recognised title of European Geologist (EurGeol).

To fulfil its vision and values EFG considers five drivers, with the following aims:

- improving education and outreach in the field of geosciences;
- increasing professional mobility and recognition of qualifications;
- ensuring ethical professional practice;
- supporting its National membership Associations (NAs) in delivering its strategy.

In 2013, the EFG Council unanimously approved a Strategic Plan, together with a summary of the actions arising from it, for the period 2014 to 2017. Those actions were subsequently grouped to seven thematic sets, which represent the framework for this annual report: EFG Members, European Network, Global Network, GeoExpert, Services, Projects and Communication.



## 2 MESSAGE FROM THE PRESIDENT

Last year I started this message saying “2014 was a busy year”. Looking back, this statement makes me smile, because 2015 was even busier. How did this happen?

We all acknowledge that many of the critical societal challenges that come with climate change and rapid population growth (soil fertility; fresh water; energy; raw materials supply) have a link with geosciences<sup>1</sup>. From this starting point, EFG’s Board used the unique opportunity provided by the EU Research and Innovation funding program Horizon 2020 to play an active role in responding to the above mentioned challenges. This justifies the current involvement of EFG in seven H2020 funded projects, ranging from international cooperation on raw materials supply to groundwater research or combined heat, power and metal extraction from ultra-deep ore bodies.

This direct involvement has triggered a wider recognition of EFG as a global player, championing for competence and ethics in the professional practice of geology. Examples of this recognition came from both external and internal dimensions.

From the external side, we’ve strengthened the links with our overseas counterparts (American Institute of Professional Geologists, Australian Institute of Geoscientists, Geological Society of South Africa, Geoscientists Canada), with United Nations organisations (UNECE and UNESCO), with the European Commission (DG Grow, DG Environment, DG Trade and DG Aid), with the European Parliament and with several other institutions (e.g. the US Government Accountability Office, the Geological Society of Africa, the International Association for Geoethics and the International Metals Study Groups).

On the internal side, we started renewal of the Panels of Experts (already with visible results in the Natural Hazards Experts Panel, who created an Advisory document delivered at the European Parliament) and we reinforced the cooperation with the National Associations. This cooperation was facilitated by the participation of EFG in events and activities promoted by National Associations, and enhanced by joint participation in H2020 funded projects.

.....  
<sup>1</sup> This doesn’t mean that geology or geoscientists have solutions to all these problems. It just means that we can make a positive contribution, together with other sciences, to facing these challenges.

The recognition of EFG’s global role by the National Associations is the most important acknowledgement we could aspire, for two main reasons: because EFG exists for the sake of the National Associations and its members; and because global and European networking are major aims of EFG’s Strategic Plan for the period 2014-2017.



It’s now time to consolidate the work made. This means to deliver what we promised to deliver in the H2020 projects we are participating in, and to reinforce EFG’s influence in international organisations.

This consolidation calls for the involvement of skilled and competent professionals, capable of delivering high quality services within the practice of geology, framed by a Code of Ethics and a commitment towards continuing professional development. To attract more of these professionals we are working towards the improvement of the value proposition of the European Geologist title. Professional insurance, training, and access to scientific publications are examples of aspects we are trying to advance in the short term.

But in the long run I recognise this is a never ending process. Representing the professions of geology in Europe and contributing to the protection of the environment, public safety and responsible exploitation of natural resources requires an active and strong Federation. And the strength of the Federation will depend on the support and active involvement of the National Associations.

The seeds we have planted will continue to grow in the coming years. I trust we, geoscientists, will all benefit from these achievements in the future.

To close, I must express my gratitude to the Board Members, to Isabel Fernandez and to Anita Stein. It was their combined enthusiasm, commitment and energy that made all this work possible.

Vitor Correia  
EFG President

A handwritten signature in black ink, appearing to read 'Vitor Correia'.

# 3 MESSAGE FROM THE EXECUTIVE DIRECTOR

In 2015, the European Federation of Geologists (EFG) continued with the implementation of the EFG Strategic Plan 2014-2017, completing actions according to the seven strategic pillars: supporting EFG Members, European Network, Global Network, EurGeol as Competent Persons, Services, Projects and Communication. This report presents the main outcomes in each of these actions during 2015.

EFG welcomed a new Member in 2015 with EFG Council approval of the Danish Geological Society as a full member. Today, EFG represents 24 European countries and around 45,000 geologists represented through EFG national associations (NAs). Another important achievement this year was to assist some NAs going through difficulties, as Slovenian Geological Society and the Association of Greek Geologists.

The EFG European Network was actively involved in the Geology for Society report launched in the European Parliament in Brussels on 2 June 2015. The report was produced by the Geological Society of London (GSL) and translated into 14 languages, thanks to the collaboration of the EFG National Associations. The EFG Panel of Experts (PE) platform also played an important role in the European Network implementation. During this year, in collaboration with the EFG NAs we validated the national experts involved in each country improved communication with the PE Coordinators.

EFG's Global Network was extended during this reporting period by newly signed mutual-understanding agreements with the Geological Society of Africa (GSAf) in March and the International Association for Geoethics in September. In addition, preparations were underway for the 35<sup>th</sup> International Geological Congress (IGC), to be held 27 August–4 September 2016 in Cape Town, South Africa. EFG is involved in different sessions as an affiliate member of the International Union of Geosciences (IUGS) and a founding member of the IUGS Task Group on Global Geoscience Professionalism (TG-GGP).

EFG continues promoting the EurGeol title to ensure delivery of high levels of professional competence based on individual responsibility. Today, 20 EFG NAs can facilitate the awarding of the EurGeol title (the Ukrainian Geological Association was approved in 2015 as a National Vetting Committee).

We continue to work to offer better service by promoting the EurGeols and through training

activities. We are working to improve the visibility of the interactive directory of EurGeols, which allows companies or organisations to search for EurGeols active in one specific country and/or one specific professional geology domain. In March 2015, EFG



started “endorsed training courses”, a new service that aims to promote course providers and offers special conditions for EurGeol title holders.

2015 was the first year for four EFG H2020 projects: KINDRA, knowledge inventory for hydrogeology research; INTRAW, fostering international raw materials cooperation; MINATURA 2020, mineral deposits of public importance; and VAMOS, a revolutionary underwater mining system. The projects support the EFG position in the EU policy on raw materials and the implementation of the EU Directive on Groundwater. In two of these projects, KINDRA and INTRAW, EFG NAs participate as “Linked Third Parties”, meaning that EFG members who have decided to participate will take an active part in the projects, receiving funding and performing work tasks. This constitutes a new working mode for our organisation. EFG hopes that this new active mode of EFG member participation will reinforce our organisation.

In order to respond to the expanded activity and work pressure of EFG since January 2015, EFG reinforced its staff and came up with innovative solutions to ensure day-to-day activities. We count on three EFG staff members in the Brussels office and three more working on-line from different European locations. During 2015, EFG was also confronted with the difficult times in Europe due to terrorism. The EFG Council meeting in November 2015 was directly affected, when we were forced to evacuate our meeting venue at the Belgian Geological Service and improvise a new location and agenda. Equally, an important event for EFG on hydrogeological policy had to be suspended. These difficulties reveal the increasing importance of organisations like EFG in contributing to the consolidation of Europe by reinforcing the climate of trust and credibility.

Dr. Isabel M. Fernández Fuentes  
EFG Executive Director



# 4. ORGANISATIONAL STRUCTURE

## BOARD

The EFG Board comprises the Officers of the EFG (President, Vice President, Secretary General, Treasurer, and External Relations Officers) elected from the officially appointed delegates. The EFG Board acts as the executive body of the Council, to carry out the approved business of the EFG, to implement policy decisions by Council and to make policy proposals.

During the Newcastle Council meeting held on 13 and 14 June 2015, Vítor Correia has been unanimously confirmed in the position of EFG President for another two-years term.

Tamás Hámor has been elected unanimously as External Relations Officer. No further applications had been received to take over the position from Eva Hartai. Dr. Tamás Hámor is a geologist mining engineer, post-graduate economist and jurist engineer and a Ph.D. in

earth sciences. He works at the Hungarian Office for Mining and Geology as head of Division of Management & Legal Affairs. Former occupations involve European Commission Joint Research Centre; Hungarian Geological Survey and Geological Institute of Hungary. He is active at numerous EU expert groups (RMI-EIP, Shale Gas group, MINATURA, ERA-MIN, RMSG, Horizon2020, TAIEX, Mining Waste TAC, ALTENER GTR-H, SEE SARMA), and other international panels (UN IAEA and CSD, UNESCO IGCP and IUGS, OECD NEA, NATO ASI). He is the author of more than 100 publications, an honorary associate professor of Miskolc University, and the first co-president of the Geological Society of Hungary.

The Board members outline here their feeling about EFG's evolution in the past year and assess their personal contribution to the achievement of EFG's objectives.



**Vítor Correia, Portugal  
President**

« In 2015 we consolidated EFG's contribution to cope with the global challenges we are facing (the Anthropocene), throughout the participation in projects funded by the European Union. But the active participation of EFG in such public funded projects came with responsibilities and risks. We acknowledged and accepted these responsibilities and the correspondent risks, and that's why the Office and the Board focused in developing and implementing follow up and management tools capable of measuring deviations and triggering adequate corrective

measures. As one says in management, we need to measure if we want to manage. With the systems implemented in EFG we are now able to measure almost everything, and this is an important contribution, that will remain after the end of the ongoing funded projects, to better decision making.

The Board and the Office work as a team. That is why I can't point out a personal contribution to EFG's objectives. We work as a football team; despite the responsibilities and roles allocated to individuals, anyone can shoot and make a goal. I am sure we will stay like that, and this a major strength, that ensures a high level of performance that does not depend on the activity of "stars" in the team. »

**Nieves Sánchez, Spain  
Vice-President**



« 2015 has been a very productive year continuing the line established in the strategic plan, contributing to spread the geological knowledge and helping in the cohesion of the European professional geologists group, through a more active participation of the different professional associations.

About my personal contribution, I have been continuing in the analysis of the situation in Europe with the recent approved Professionals Qualification Directive, and I have put on discussion a new possible European title between geologists without professional experience to help for the mobility. »



**Domenico Calcaterra, Italy**  
**Secretary General**

« During 2015, thanks to the participation in several H2020 projects, EFG had the opportunity to further disseminate the voice of the geologists in Europe, also increasing its visibility among institutional counterparts.

In 2015, my contribution within the Board has been in line with the previous years. Moreover, I continued in disseminating EFG mission and EurGeol title in Italy, through some events jointly organized by CNG and Italian regional Councils. »



**Tamás Hámor, Hungary**  
**External Relations Officer**



« In my view EFG is the association, which promotes pan-European co-operation within and beyond the borders of the political European Union. The successful mobilisation of partners by the Board of EFG last year brought a higher prestige to EFG and its member organisations. However, the hard part of the job comes now by delivering high quality added value professional opinions and H2020 related R&D&I and PR outputs on the long term, and evenly across participating countries represented by the national associations.

The Hungarian Geological Society (MFT) is traditionally a strong and reliable partner to EFG, and it remained being of this kind in 2015. Doubts may present among our individual members with regard to the benefits of being an EFG member entity, however, I consider one of my achievements that these voices are less heard when also seeing the positive cost/benefit saldo, and the political progress at the EC in our professional fields, such as for example the Raw Materials Initiative. I also consider that there was a major progress in 2015 in understanding the adequate interpretation of the Regulated Professions Directive and setting the way for the possible actions on EFG and member associations levels. »



**Bob Hoogendoorn, The Netherlands**  
**Treasurer**

« 2015 was a busy year, the major change is start of the projects early 2015. The H2020 projects had a large impact on the office and the organisation. In terms of evolution, the projects contribute to many of the long term objectives of the EFG, dissemination of geological knowledge throughout Europe and beyond, strengthen the link between National Associations, increasing the visibility of the EFG in Europe and creating value for its members.

Personally I believe that others should answer such questions, nevertheless, I like to think that I did fulfil my task as treasurer and therefore added to the continuity of the EFG. »



COUNCIL MEMBERS  
IN NEWCASTLE

## COUNCIL

The Council is the governing body of EFG. It comprises two to three officially appointed delegates for each of the full members and the Officers of the EFG constituting the EFG Board. EFG holds two Council meetings per year, one official meeting in springtime, and one formal or informal meeting in autumn. In 2015 the spring Council meeting took place in Newcastle (UK) on 13 and 14 June and the autumn meeting on 21 and 22 November in Brussels.

## MEMBERSHIP STATUS

During its June meeting, the EFG Council approved unanimously the application of the Geological Society of Denmark (DGF) to become a full member. The Geological Society of Denmark was founded in 1893 to promote interest in geology and to establish a forum for geologists and others with interest for geology. The Society arranges meetings with lectures and discussions, arranges excursions, and publishes two publication series - one international: the Bulletin of the Geological Society of Denmark ([http://2dgm.dk/dgf\\_uk/main.html](http://2dgm.dk/dgf_uk/main.html)).

Delegate	Organisation
Robrecht Schmitz	Belgo-Luxembourg Union of Geologists (BLUG/ULBG)
Yves Vanbrabant	
Nuno da Silva	
Željko Miklin	Croatian Geological Society (CGS)
Lilit Cota	
Morana HERNITZ KUČENJAK	
Antonis Antoniou	Cyprus Association of Geologists And Mining Engineers
Iordanis Dimitriadis	
Mirko Vanecek	Czech Association of Economic Geologists (CAEG)
Miroslav Raus	
Joakim Stiel Korshøj	Geological Society of Denmark (DGF)
Jørgen Overgaard Leth	
Karen Hanghøj	
Pekka Ihalainen	Finnish Union of Environmental Professionals (YKL)
Markku Iljina	
Antoine Bouvier	French Geological Society (SGF)
Jean Jacques Jarrige	
Hans-Jürgen Weyer	Professional Association of German Geoscientists (BDG)
Andreas Hagedorn	
Hans-Jürgen Gursky	
Xenofon Stavropoulos	Association of Greek Geologists (AGG)
Antonis Angelopoulos	
Panagiotis Sarantakos	

Delegate	Organisation
Csaba Baksa	Hungarian Geological Society (MFT)
Eva Hartai	
Tamas Hamor	
Péter Scharek	Institute of Geologists of Ireland (IGI)
Gerry Stanley	
Claire Clifford	
Marie Fleming	Italian National Council of Geologists (CNG)
Francesco Peduto	
Gabriele Ponzoni	
Bob Hoogendoorn	Royal Geological and Mining Society of the Netherlands (KNGMG)
Menno J. de Ruig	
Michiel van der Meulen	
Krzysztof Galos	Polish Association of Mineral Asset Valuers
Jacek Sobczyk	
António Gomes Coelho	Portuguese Association of Geologists (APG)
Mónica Sousa	
José Mário	
Vitor Correia	
Giravov Shakhbulat	National Association for Subsoil Auditing (NAEN, Russia)
Anton Chupilko	
Zoran Stevanovic	Serbian Geological Society (SGD)
Iris Vukovic	
Radoslav Vukas	
Darko Spahic	
Tivadar Gaudenyi	
Matevž Novak	Slovenian Geological Society
Uros Herlec	
Slavko Solar	
Marko Komac	
Manuel Regueiro	Official Spanish Association of Professional Geologists (ICOG)
Nieves Sanchez	
Luis E. Suarez	
Pia Hansson	Geosection (Swedish Association of Scientists, NA)
Otto Pile	
Mats Fehrm	
Pierre Christe	Swiss Association of Geologists (CHGEOL)
Jean-Bernard Joye	
Alessandro Menegatti	
Pavlo Zagorodnyuk	Ukrainian Association of Geologists (UAG)
Volodymyr Bezvynnyi	
Hanna Liventseva	
Sarah Fray	Geological Society of London (GSL)
Chris Eccles	
Nic Bilham	

# 5 STRATEGIC ACTIONS

## EFG MEMBERS

### OBJECTIVES AND DRIVERS

1. Improving engagement of NAs in EFG activities makes a stronger Federation and mobilises time and talents beyond just the Board, Officials and permanent staff to deliver EFG's aims and programme;
2. Sharing of best practice and benchmarking among professional geologists in Europe, contributes to mobility, recognition by governments and European institutions of geologists and the work that they do, and provides opportunities for continuing professional development to individual geologists;
3. Retaining members protects EFG's core budget;
4. Recruiting additional members will either bring in more revenue allowing the annual budget to be met and with more contributions, fees can be reduced.



### OUTCOMES

1. Developing a more cohesive Federation with shared objectives and a strong sense of mutual support;
2. Sharing the work involved in delivering the EFG strategic plan beyond just the Board, Officials and permanent staff – doing more by mobilising more resources from member associations;
3. Providing central services to member associations that lack resources to develop for themselves;
4. Facilitating mutual support between groups of member associations to pool resources or learn from each other.

## STATISTICS

The following map displays the distribution of EFG's membership figures by country. In 2015, EFG represented through its national member associations a total of 43,045 geologists.

The graph on the following page shows the evolution of EFG's membership since 2007.



FIGURE 1: DISTRIBUTION OF EFG MEMBERSHIP BY COUNTRY.



Source: EFG Office. Data provided through national association reports.

FIGURE 2: TOTAL EFG MEMBERSHIP EVOLUTION SINCE 2007.

## MEMBER PROFILES

The following pages give the floor to EFG's 23 national membership associations. Delegates comment their feelings about EFG's evolution

in the past year and assess their association's and/or their personal contribution to the achievement of EFG's objectives.



### Belgo-Luxembourg Union of Geologists (UBLG/BLUG)

[www.blug-ublg.be](http://www.blug-ublg.be)

« The strategy defined by EFG board with delegates' approval and support is now fully deploying. EFG board achieved above expectations, winning a significant number of H2020 projects and the corresponding financing revenues. This high activity is requiring an organization adaptation in order to efficiently follow up the projects and deliver the proper and accurate information of interest, in a timely manner to the NA's. Meanwhile, EFG must develop its core activity, supporting NA's and professional geologists.

As a small NA, the BLUG is contributing as much as possible to the H2020 projects, being involved in three of those. We do actively disseminate the EFG information through various channels like emails, web sites and bulletins. Regarding KINDRA, our objective and contribution to the EFG success is to deliver high quality scientific data. Considering the size of our association, the two countries (Belgium and Luxembourg) and the three administrative Belgium regions (Brussels, Flanders and Wallonia) to be covered, it would not be realistic to gather exhaustive data; only selected information of importance will be considered. In order to contribute to EFG KINDRA success, the BLUG selected two renowned Belgium hydrogeologists experts and allocated them the full project budget. »

*Nuno da Silva, delegate*



### Croatian Geological Society (CGS)

[www.geologija.hr](http://www.geologija.hr)

The Society was established in 1951 as a voluntary professional association of geologists and persons interested in geology. The Society involves twelve thematic sections from different fields of Earth sciences. The members of the Society work in different academic and professional institutions, and there are also student and senior members. The Society regularly organises internal and public scientific conferences. It also monitors the position of geology in public education and makes publications in different scientific and public papers. It also initiates public discussions on questions related to geology in order to make the profession better known.



## Cyprus Association of Geologists And Mining Engineers

[www.geomines.org.cy](http://www.geomines.org.cy)

The Association involves the professionals from different fields of Earth sciences. Members of the organisation are mostly engineers. The Association also deals with environmental questions related to mining. Members of the Association regularly take part in public events like the European Minerals Day in order to raise the public awareness for mineral resources. They regularly organise national and international conferences on different topics like climatic effects of volcanoes, application of remote sensing and geoinformation in environmental fields, etc.



## Czech Association of Economic Geologists

[www.calg.cz](http://www.calg.cz)

« CAEG feeling about the EFG evolution in the past year is positive. CAEG is particularly positive about the HORIZON 2020 EFG activity. CAEG activities have helped to achieve the objectives of EFG successfully. The “In mineral economics” workshop was organised by CAEG with the objective to generate competent specialist according to PERC standard. Prof. M. Vanecek was the Chairman of this 5-day workshop organised for 20 participants in September 2015. »

*Miroslav Raus, Vice President of the Czech Association of Economic Geologists*



## Geological Society of Denmark (DGF)

[http://2dgd.dk/dgf\\_uk/main.html](http://2dgd.dk/dgf_uk/main.html)

The Geological Society of Denmark was founded in 1893 to promote interest in geology and to establish a forum for geologists and others with interest for geology. The Society arranges meetings with lectures and discussions, arranges excursions, and publishes two publication series - one international: the Bulletin of the Geological Society of Denmark. Furthermore, the Society awards the Steno Medal and administers the Danish Geology Prize and other funds. The Society has approximately 600 members.



## Finnish Union of Environmental Professionals (YKL)

[www.ykl.fi](http://www.ykl.fi)

The Union involves professionals from different fields of Earth sciences mostly those who work in environmental sectors. The organisation has 838 individual members. Its aim is to represent the profession at a national level, and help and promote communication between Earth scientists and the society. It also deals with educational questions related to geology and environmental sciences at different levels. They organise conferences annually for the whole membership. The organisation has a quarterly issued electronic magazine with 5000 readers and a quarterly printed magazine with 1000 readers. It also issues a monthly newsletter which reaches 1000 readers.



## French Geological Society (SGF)

[www.sgfr.org](http://www.sgfr.org)

« EFG evolution in the past year is thought as positive since geologists were more involved into existing H2020 Projects like Kindra and Intraw. Asking for the EurGeol title is also deemed as a necessity for geologists working in the mining sector. The booklet « Geology for Society » or « La Géologie au Service de l'Homme » is seen as a valuable informative tool for the average people. Our SGF Association had a few years ago an academic mind while thinking about international activities. Today, EFG objectives are known and rated as a way to know better what is going on in the European geosciences and where jobs are outside France. But motivating young geologists to draw tighter links with EFG takes time. The NVC activity is running and the diffusion of « La Géologie au Service de l'Homme » is still appreciated. »

*Antoine Bouvier, delegate*



## Professional Association of German Geoscientists (BDG)

[www.geoberuf.de](http://www.geoberuf.de)

« The BDG-delegates regard the development of the EFG in the last year as positive, in large part thanks to the untiring job of the board and the President. The participation of the EFG in several EU-projects is important and will help to promote both geology in general and the EFG. Nonetheless EFG has to take care not to overstretch its potentials. BDG and its delegates are involved in three EFG-projects and fulfill all requirements. »

*Hans-Jürgen Gursky and Hans-Jürgen Weyer, delegates*



## Association of Greek Geologists (AGG)

[www.geologist.gr.org](http://www.geologist.gr.org)

« It comes with pleasure that EFG has a strong presence and an organisational cohesion highlighted during the last year. Reciprocal communication with national association is always positive and shows the possibilities that open for joint actions in Europe. The activities under Horizon2020 and other research programs are very important for the emergence of Geosciences as it strengthens the position of EFG and the cooperation between national associations. The Association of Greek Geologists during 2015 showed a significant growth by reaffirming its relationship with the EFG. I, personally, as president and the entire board, we are very pleased and we appreciate the positive and effective relationship that has developed between AGG and EFG. As a result of the previous, we are positively determined to follow this direction over the coming years. »

*Dr Xenofon Stavropoulos, President of the Association of Greek Geologists*



## Hungarian Geological Society (MFT)

[www.foldtan.hu](http://www.foldtan.hu)

« I think, the Hungarian Geological Society took a relevant part in the EFG's professional meetings as Board members and organisers as well. The gained European projects will secure the scientific and financial future of the Federation.

It is fixed, that the Hungarian Geological Society makes all efforts in its membership. My participation as an ILB member depends on my possibilities as a retired EurGeol. »

*Peter Scharek, delegate*



## Institute of Geologists of Ireland (IGI)

[www.igi.ie](http://www.igi.ie)

« The Institute of Geologists of Ireland (IGI) feels that the EFG continued to evolve over the past year in terms of both European and Global outreach and continued enhancement of both the EFG's strategic aims and the European Geologist title. This has been significantly aided by the EFG's participation in EU

Horizon 2020 projects which along with raising the EFG's profile, has also strived to create a Pan-European platform for shared collation and dissemination of geological information.

The IGI has continued to support the EFG as a National Licensed Body and has consistently promoted the acquisition of the EurGeol title to all professional IGI members. The IGI has also actively participated as a third party to the EFG on the EU H2020 Projects.

My personal contribution to the EFG has also included serving as Chairperson of the Registration Authority. »

*Marie Fleming, Chair of EFG's Registration Authority*



## Italian National Council of Geologists (CNG)

[www.cngeologi.it](http://www.cngeologi.it)

The activity of the CNG and its members during 2015 was aimed to open up the European market and its EU calls: Therefore, in view of this, it has implemented the interest in EFG, (and its activities and its business potential network).

As many of you know in December 2015 in Italy has alternated the main national geologists board (CNG): the intention of the new members is to continue to open and strengthen relationships with the EFG and the EU as also to other delegates of other European countries to attain operational agreements between the various national organisations. The new CNG engagement will be to develop the activities in the field of EFG and implementing their visibility towards its members, highlighting the potential that it offers to professionals and businesses.

*Gabriele Ponzoni, delegate*



## Royal Geological and Mining Society of the Netherlands

[www.kngmg.nl](http://www.kngmg.nl)

The aim of the organisation is to promote earth sciences in general, to look after the interest of its members, to strengthen relations between its members, and to emphasise the importance and relevance of earth sciences for the society. The organisation has 834 individual members. They support education in Earth sciences at all levels. They regularly organise workshops, conferences and fieldtrips within the different thematic sections. The Society recognises the activity of its members by different awards. Their official paper, the Netherlands Journal for Geosciences reaches 1000 readers. The newsletter Geo.brief gets to a similar number of readers.



Polish Association of Mineral Asset Valuators

Polskie Stowarzyszenie  
Wyceny Złóż Kopalin

Polish Association of Mineral Asset Valuators

<http://www.polval.pl>

The Polish Association of Mineral Asset Valuators, PAMAV, is a voluntary, self-governed and permanent not-for-profit organisation with the next objectives: To provide education and training in reporting and valuation of mineral resources and mineral reserves as well as man-made mineral deposits; To integrate and activate the environment of Competent Geologists and Mineral Assets Valuators; To develop competencies and professional knowledge of Competent Geologists and Mineral Asset Valuators; To promote the Code of Ethics for Competent Geologists and Mineral Asset Valuators, and to ensure their observance of ethical principles; To represent the interests of the professional environment to public, local and economic authorities as well as to non-governmental organisations.



ASSOCIAÇÃO PORTUGUESA DE GEÓLOGOS

Portuguese Association of Geologists (APG)

[www.apgeologos.pt](http://www.apgeologos.pt)

« It is unquestionable that EFG has increased its visibility and presence in the last year, becoming an unavoidable institution in Europe and overseas. Its close relation and continuous communication with its national associations has had positive results, strengthening the federation as a unit making it possible to reach a broader public, highlighting Geosciences and its professionals more effectively. The cooperation under the Horizon2020 Program, the EFG endorsed training courses, as well as several outreach activities undertaken in the last year are a proof of EFG's importance that benefits all national associations.

APG has been increasingly involved with EFG activities and has worked to promote them among its members and potential stakeholders. These actions have, for instance, increased the number of Portuguese Eurogeologists. APG is positively determined to continue in this path. »

*Mónica Sousa, delegate*



Russian National Association for Subsoil Use Auditing (NAEN)

[www.naen.ru](http://www.naen.ru)

The Association involves subsoil specialists with the aims to provide competent professionals for reporting and auditing of mineral reserves and resources. It also aims to ensure the conditions for sustainable integrated development and use of mineral resources and their protection. The Association has 1142 individual members. It develops unified approaches in implementing the state expert review of mineral reserves, ensuring rational use of subsoil of the Russian Federation. It also helps the professional development of the specialists through training programs, seminars and conferences. They also organise workshops on different themes in each month. Their official paper, the Subsoil Use of the 21<sup>st</sup> century is issued bi-monthly and reaches 3000 readers. Their newsletter is issued in every month, with a similar number of readers.



Serbian Geological Society (SGD)

[www.sgd.rs](http://www.sgd.rs)

« Serbian Geological Society is very pleased to see that the EFG is evolving in such a good way. We are very happy to be a part of Kindra and Intra projects and also in the other two H2020 projects for which we are waiting for the contracts to be returned. I personally am delighted to be a part of the EFG for quite some time now and to witness and participate in its growth. »

*Iris Vukovic, delegate*



Slovenian Geological Society (SGD)

[www.zrc-sazu.si](http://www.zrc-sazu.si)

In previous years members of the Slovenian Geological Society (SGD) executive board have been expressing their doubts in reasons to pay the membership fee to the organization from which we do not have tangible benefits nor much collaboration. In the past year we recognized important changes which broadened the possibilities for collaboration.

Recently, the SGD signed 4 collaboration agreements with EFG to be able to contribute as third parties to EFG's involvement in international projects. We have also appointed our experts to EFG's panel of experts and we elected our first Eurogeologist. As the president of the SGD I'm doing my best for the interests of our Society and managing the projects administration and communication with EFG. I would use this opportunity to express my gratitude to all EFG's representatives for helping me greatly in my efforts.

*Matevž Novak, President of the Slovenian Geological Society*



## Official Spanish Association of Professional Geologists (ICOG)

[www.icog.es](http://www.icog.es)

« ICOG considers that the EFG has done an important contribution to the future development of the European professional associations of geologists, by sharing the EFG participation in EU H2020 projects, which will undoubtedly enhance their capabilities to spread geological knowledge and will promote their

cohesion in the European space.

ICOG continues to work for the European professional geologists, participating actively in the EFG works, disseminating the results and developments of the research projects and proposing new ideas to help our EurGeols ( i.e. professional insurance) and the promotion of the profession (i.e. geological videos) and would like to increase the benefits and products for our members in particular helping young geologists in their mobility, through a new professional title that will attract those younger generations to the EFG. »

*Manuel Regueiro, President of the ICOG*



## Geosection (Swedish Association of Scientists, NA)

[www.naturvetarna.se](http://www.naturvetarna.se)

« EFG has become an organization with important goals, especially regarding the H2020 projects. The Swedish association is impressed by the action and dedication of the board and members.

Unfortunately the Geosektion is still suffering from being an organisation with little activity and a board with small possibilities to take great part in the work of EFG. We try to do the best and we are painfully aware of the difference of our activity compared to some years ago. »

*Pia Hansson, delegate*



## Swiss Association of Geologists (CHGEOL)

[www.chgeol.ch](http://www.chgeol.ch)

« The involvement of the EFG board in the execution of the strategy is to congratulate. EFG as coordinator of several H2020 projects plays a crucial role to spread the influence of the geologists within the European Community. CHGeol has recognised many similar challenges with EFG regarding as per example how to approach the relevant decision makers to explain the important role of the geologists in the development of our society or to redefine the added value that our association can bring to our members. »

*Jean-Bernard Joye, delegate*



## Ukrainian Association of Geologists (UAG)

[www.geolog.org.ua/en](http://www.geolog.org.ua/en)

« The European Federation of Geologists traditionally, including 2015, pays great attention to the important field of activity - the geological pre-university education of youth. The main idea of this activity is focused on an audience of children and teens. I hope that directions of the geological school education will be expanded

and deepened thanks to the European Federation of Geologists. »

*Hanna Liventseva, delegate*



## Geological Society of London (GSL)

[www.geolsoc.org.uk](http://www.geolsoc.org.uk)

« The launch of the European edition of our 'Geology for Society' report at the European Parliament was a significant shared achievement for GSL and EFG, which we hope to build on. We are grateful to many of EFG's national associations for translating the document into 13 other languages. We were delighted to host the summer Council meeting of EFG in Newcastle and, on the associated field trip, to share with our friends from across Europe the spectacular landscapes and economic geological heritage of North-East England – and also to see an original working copy of William Smith's landmark geological map of England and Wales in its 200<sup>th</sup> anniversary year. »

*Nic Bilham, delegate*



## EUROPEAN NETWORK

### OBJECTIVES AND DRIVERS

1. Increasing the visibility of EFG among EU institutions and EFG's capabilities to influence the EU in policy development regarding geosciences related issues;
2. Building and maintaining an updated database of contacts in European institutions;
3. Reinforcing EFG's capability to act as facilitator to NAs.



### OUTCOMES

1. Reinforcing EFG's role in the development of EU policies that relate to the geosciences;
2. Building awareness of EFG among European Commission officials;
3. Reinforcing EFG's collaboration with kindred European associations;
4. Reinforcing communication between EFG, the NAs and relevant national organisations such as Geological Surveys or industry associations;
5. Reinforcing EFG's role to set standards for geologist's professional practice under European guidelines.

## PANELS OF EXPERTS

**E**FEG's Panels of Experts (PE) are a platform encouraging the collaboration of professionals from different European countries working in the same field of geosciences. They have been set up to provide high quality advice and information to the European Commission (EC), to the European Parliament, to international NGO's and to global professional associations, to participate in EC congresses, working groups and consultation meetings. In addition, they proactively respond to relevant issues in the press and to those items on the European Commission and European Parliament agenda. Furthermore, in all these activities it is the intention to take every opportunity to emphasize the importance of geology to society, the benefits of incorporating geological advice and to promote the importance of the geoscientific profession.

The participation of experts is on a voluntary basis. The advantage for the participating experts is their active involvement in a European and/or worldwide network of experts with the same specialty. Although in most cases several of these specialist networks already exist, the EFG expert panels are different, because they mainly focus on raising the awareness of technical and professional issues and try to influence or convince politicians and decision makers to adjust their directives such that geology is taken into account.

In 2015 the EFG office hosted a graduate, Tamás Miklovicz from the University of Miskolc, Hungary, whose main task has been to maintain and reactivate the panels. In collaboration with EFG's National Associations (NAs) the experts involved in each country have been validated and a more fluid communication with the coordinators has been implemented.

The PE on Natural Hazards has produced a press release on "Geoscience as a tool on civil protection against Natural Hazards". The press release highlights the severity of natural hazards, draws attention to the importance of geosciences for the wellbeing of the citizens and gives seven recommendations on how to reduce the negative effects caused by natural disasters. This document was presented during the Geology for Society report launch event at the European Parliament on 2 June 2015.

The following map shows the distribution of EFG's experts by country. The Panels of Experts platform currently consists of a total of 211 experts from 23 European countries.

As Figure 4 shows, the Panels of Experts on Minerals and on Natural Hazards & Climate Change have the highest number of experts and are currently very active.

The different Panels of Experts, their mission and their geographical representation are listed on the following pages and more information on their activities may be found on the EFG website [www.eurogeologists.eu](http://www.eurogeologists.eu) in the section "Panels of Experts".



FIGURE 3: EXPERTS BY COUNTRY.

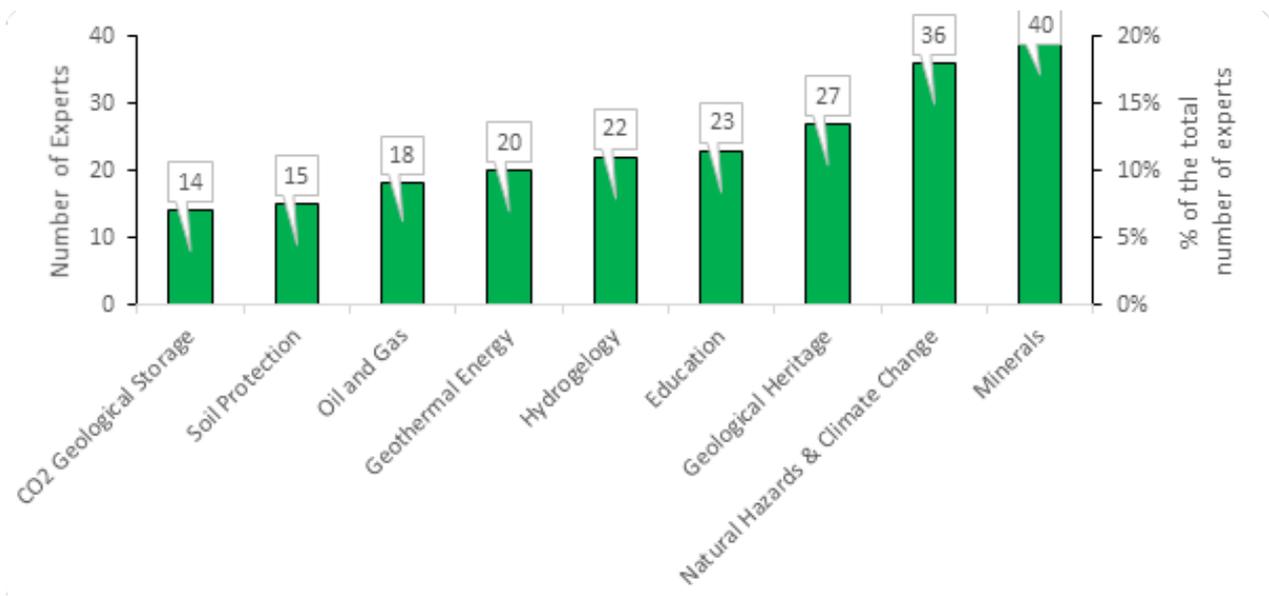


FIGURE 4: NUMBER OF EXPERTS BY PANEL.

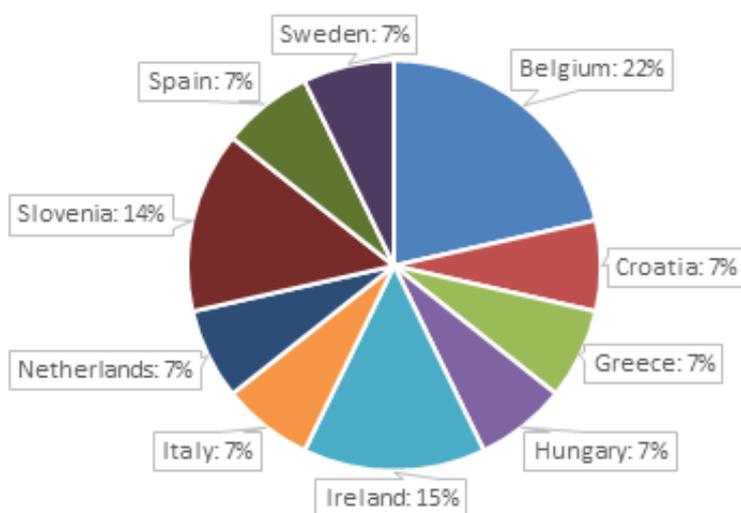
## PE ON CO<sub>2</sub> GEOLOGICAL STORAGE

### COORDINATOR

Kris Piessens / Belgium / [kris.piessens@naturalsciences.be](mailto:kris.piessens@naturalsciences.be)

### MISSION

The mission of the PE on CO<sub>2</sub> Geological Storage is closely aligned with the principal objectives of the European Federation of Geologists, which are representing, safeguarding and promoting the geological profession, promoting best practices and responsible use of resources, and establishing policies on environmental matters and sustainability. The current development of Carbon Capture and Storage makes these objectives highly relevant for the topic of CO<sub>2</sub> storage. The success of CCS will largely depend on how reliably CO<sub>2</sub> can and will be stored, justifying the dedicated mission of the PE CO<sub>2</sub> Geological Storage: emphasizing the role of professional geologists and the importance of the geological perspective in the overall concept of carbon capture and storage.



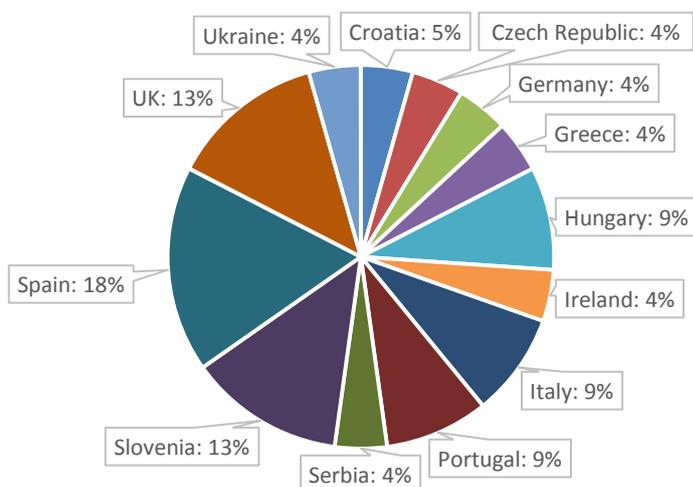
## PE ON EDUCATION

### COORDINATOR

Eva Hartai / Hungary / [foldshe@uni-miskolc.hu](mailto:foldshe@uni-miskolc.hu)

### MISSION

The PE on Education was established in 2011. It intends to deal with educational questions in geology (earth sciences) at all education levels from primary school to postgraduate courses.



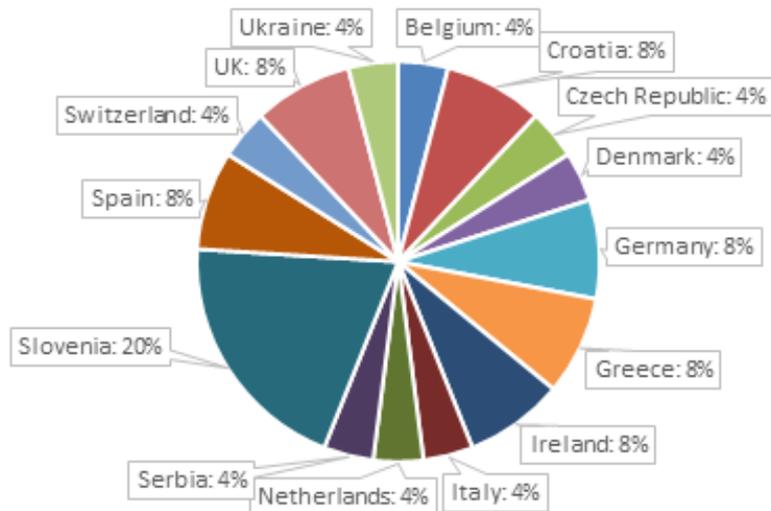
## PE ON GEOLOGICAL HERITAGE

### COORDINATOR

Mónica Sousa / Portugal / [msousa@apegeologos.pt](mailto:msousa@apegeologos.pt)

### MISSION

This panel contributes to the development of European Policies to protect the geological heritage in Europe. In collaboration with other organisations it has contributed in preparing advice documents, scientific events and dissemination activities.



## PE ON GEOTHERMAL ENERGY

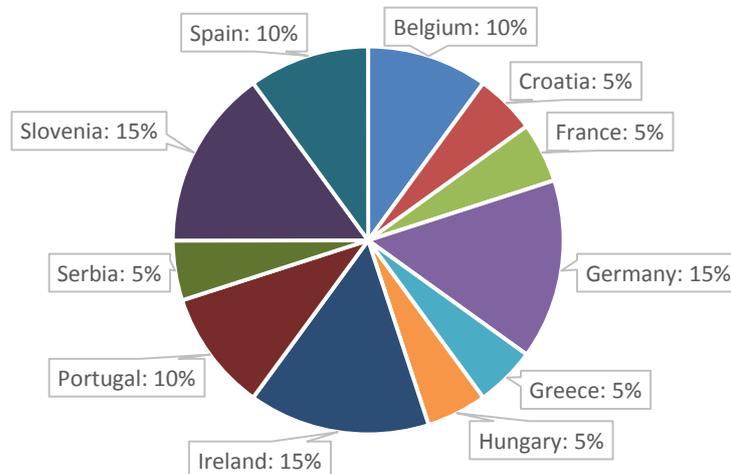
### COORDINATOR

Janos Szanyi / Hungary / [szanyi@iif.u-szeged.hu](mailto:szanyi@iif.u-szeged.hu)

### MISSION

The Panel of Experts on Geothermal Energy contributes to the development of European Policies of interest to geologists and geological issues around the European policy on Geothermal Energy. The panel has identified as sensitive problems in geothermal energy sector:

- Technological innovation.
- Predictable and coherent legislation training and promoting.



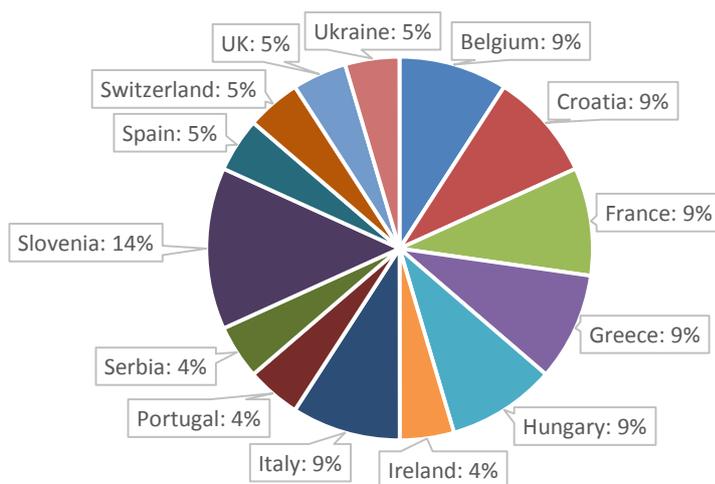
## PE ON HYDROGEOLOGY

### COORDINATOR

Marco Petitta / Italy / [marco.petitta@uniroma1.it](mailto:marco.petitta@uniroma1.it)

### MISSION

Hydrogeology is a main topic among technical and professional skills of the geologists, and it is probably the most strictly related to the environmental protection and preservation. In the 21st century, the pursuit of the equilibrium between human needs and environmental sustainability involves as a main element the water resources, representing at the same time a resource and a risk. It is a task of modern geologists to contribute to the management and protection of water resources, with particular attention to groundwater. The PE on Hydrogeology's mission is to contribute to the development of knowledge, to the introduction of policies and to the technical improvement of professional geologists in this field.



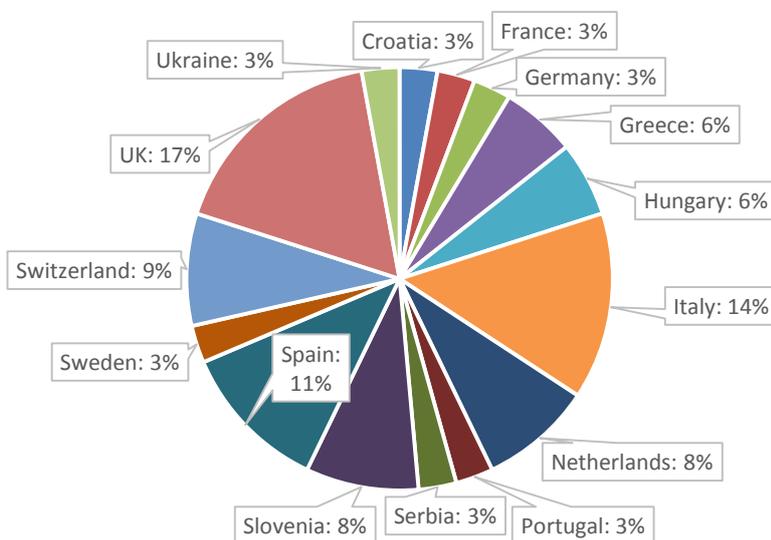
## PE ON NATURAL HAZARDS AND CLIMATE CHANGE

### COORDINATOR

Pavlos Tyrologou / Greece / [pavlos.tyrologou@gmail.com](mailto:pavlos.tyrologou@gmail.com)

### MISSION

The group has been established in March 2003, in relation to EC initiatives on Civil Protection, DG Environment, and has since then provided many contributions to the EC. The new coordinator of this Panel of Experts is Chartered Geologist and holder of EurGeol title on the field of Engineering and Environmental Geology. Furthermore, he is member of the Technical Committee in Engineering Practice of Risk Assessment and Management of the International Society for Soil Mechanics and Geotechnical Engineering.



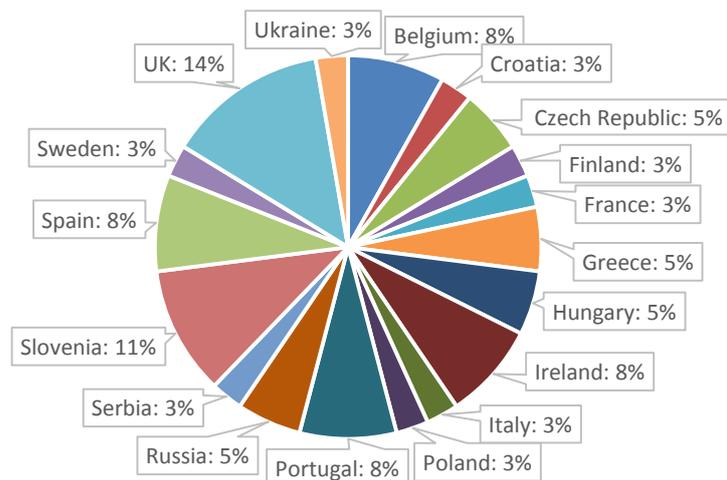
## PE ON RESOURCES AND RESERVES - MINERALS AND THEIR SUSTAINABLE USE

### COORDINATOR

Carlos Almeida / Portugal / [calmeida@apegeologos.pt](mailto:calmeida@apegeologos.pt)

### MISSION

Collaboration in, a) the adoption of The Reporting Code by the major professional geological associations in Europe and its recognition as a template for an international code; and b) in the EFG participation in the United Nations Framework Classification for Fossil Energy and Mineral Resources («UNFC») adopted by the UN in June 2004.



## PE ON RESOURCES AND RESERVES - OIL & GAS

### COORDINATOR

Viktor Sőreg / Hungary / [vsoreg@mol.hu](mailto:vsoreg@mol.hu)

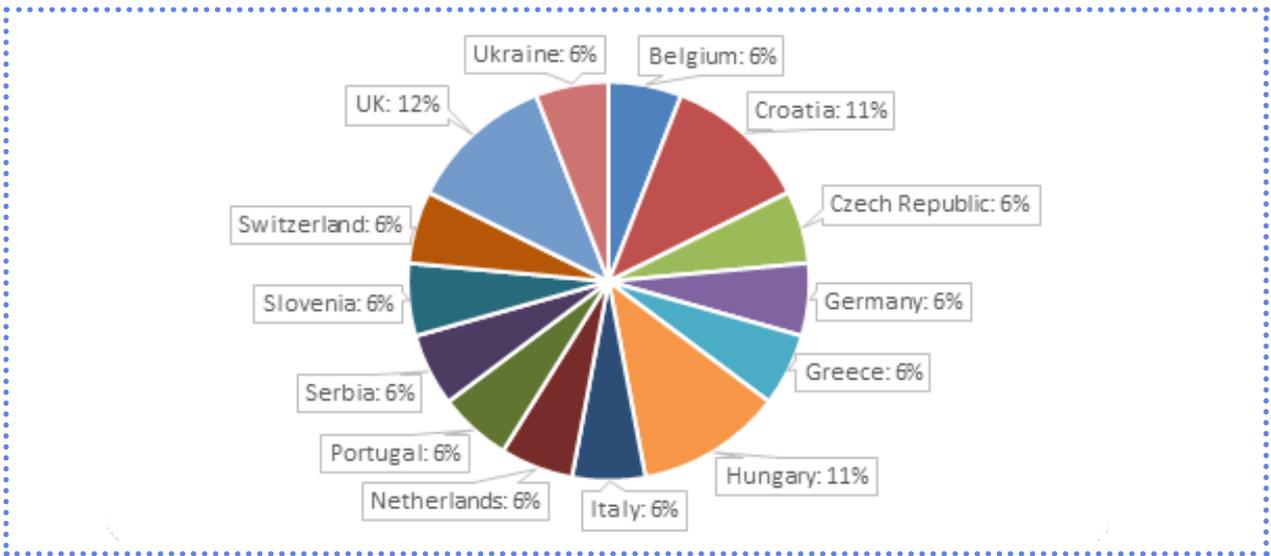
### MISSION

The oil and gas industry plays a significant role in the supply of the world's energy demand in the 21st century. While responding to this demand it has to face serious challenges like:

- continuously rising world demand and newly emerging big consumers
- uncertain energy policy
- political constraints and competition for proven reserves
- international borders
- new operational challenges for conventional resources and reserves in deep offshore, arctic regions, etc.
- unconventional resources and technology
- worsening fiscal terms
- oil price volatility, speculations, eco-political pressures
- corporate social responsibility, health, safety and environmental risks
- climate change concerns
- competition and/or collaboration with new technologies (e.g. geothermal energy)
- R&D, innovation
- lack of experienced and skilled experts/professionals.
- potential's function change of depleted hydrocarbon reservoirs (e.g. to CCS, UGS, geothermal energy production)
- exploration of upside potentials in mature accumulation zones
- advanced portfolio management techniques in hydrocarbon exploration in low oil price environment

The answers to these problems require adequate regulation systems and skill backgrounds.

The mission of the EFG PE on Oil & Gas is to support the European Institutions in finding answers to the industrial challenges and to participate in their activities.



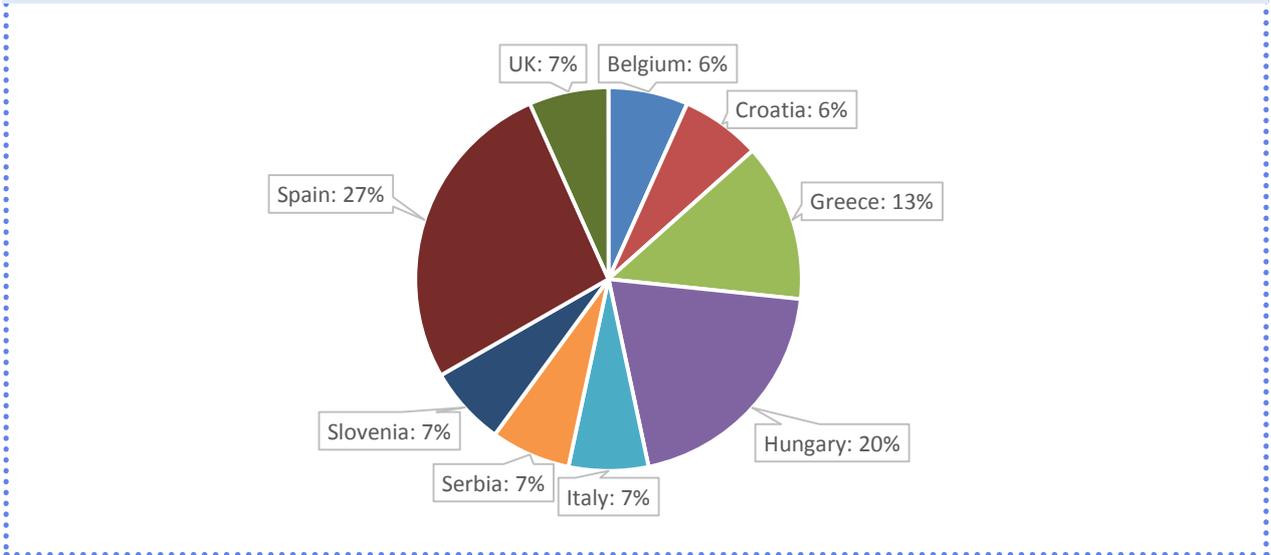
**PE ON SOIL PROTECTION**

**COORDINATOR**

Maria Jose Rubial Fernandez / Spain / [mjrubial@gmail.com](mailto:mjrubial@gmail.com)

**MISSION**

The role of geologists in soil protection covers a wide range of topics. Firstly, the geological soil-forming processes, which include those that underpin soil fertility and carbon capture in soils. Secondly, soil protection, including sediments, covers both the identification and characterization of different stressors in order to manage the potential risks and avoid contamination, starting from the understanding of the probability of a contaminant event occurring. Soil protection also includes the evaluation of the most suitable remediation techniques, and leading where necessary to the design and execution of engineering works to make a soil meet specific required quality criteria to deliver a new function. Extending from site-specific tasks, the geologist plays an important role in understanding soil processes globally, in the context of the overall Earth System. In this work, the geologist has to work closely with professionals from other disciplines, including life scientists, ecologists, geographers, hydrologists and civil engineers, as well as planners and land-use specialists.



## CONFERENCES

In the light of the major role geology plays (often unknowingly) in a multitude of economic areas, the Geological Society of London (GSL) produced in 2014 a major report named “Geology for Society” that has been translated, thanks to the collaboration of the European Federation of Geologists (EFG) and its national membership associations, into 13 languages so far. This European report has been officially launched at the European Parliament on 2 June 2015 with the aim of outlining to MEPs and EU policy makers 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. The session hosted by MEP Carlos Zorrinho (Group of the Progressive Alliance of Socialists and Democrats in the European Parliament, Member of the Committee on Industry, Research and Energy) intended to promote dialogue between policy makers and geoscientists at a European and national level.

More information: <http://eurogeologists.eu/geology-for-society-report-launch>

On 11<sup>th</sup> and 12<sup>th</sup> June 2015 the Geological Society of London (GSL) organised in collaboration with EFG a workshop with the title “Mining in a crowded country”. The workshop covered North of England’s history and development and its relation with mining, probably dating back to Roman times. Speakers presented future prospects for mining in the region and, because Europe is a heavily populated continent, challenges posed by differing views about land use and the acceptability of mining in the 21<sup>st</sup> Century. This workshop was combined with the 2015 summer Council meeting of the European Federation of Geologists attended by representatives from EFG’s 23 national membership associations.

GEOLOGY FOR SOCIETY REPORT LAUNCH  
AT THE EUROPEAN PARLIAMENT



## GLOBAL NETWORK

### OBJECTIVES AND DRIVERS

1. Share and benchmark best practice among geoscience organisations (professional, technical, scientific, etc.);
2. Seek opportunities to develop international standards based on the concept of Qualified Person or Competent Person, to ensure delivery of high levels of professional competence (see also the Strategic Action Plan VII EurGeol Competent Person);
3. Develop a common and reciprocal process for the mutual recognition of professional qualifications among kindred professional geological bodies;
4. Develop a common code of ethics for all professional geologists;
5. Attract NAs from outside Europe to join EFG, initially as Observer Members.



### OUTCOMES

1. Widen recognition and acceptance of standards based on individual professional competence;
2. Ensure the recognition of the EurGeol title and the mobility of Eurogeologists in Canada, USA, South America, Asia and Africa;
3. Reinforce the EFG network with scientific and professional geoscientific organisations.

## IUGS AFFILIATE MEMBER

Since several years, EFG is an affiliate member of the International Union of Geological Sciences (IUGS). 2015 has been a preparatory year for the 35th International Geological Congress (IGC) that will be held in Cape Town, South Africa from 27 August to 4 September 2016. As affiliate member of IUGS, founding member of the IUGS Task Group on Global Geoscience

Professionalism, TG-GGP and coordinator of the INTRAW project EFG will be involved in different sessions and promoted them actively since autumn 2015.



## TGGGP

As one of its sponsoring organisations, the European Federation of Geologists continues to support the Task Group on Global Geoscience Professionalism (“TG-GGP”) and backs its activities through administrative support.

The Task Group’s activities in 2015 have largely been focused on continuing to raise awareness of professionalism and ethics across geoscience and gearing towards significant contributions on this foundational topic as part of the program at IGC 35 in Capetown, South Africa (27 August – 4 September 2016). More information: <http://tg-ggp.org>

Formed by the International Union of Geological Sciences (IUGS) at the 34<sup>th</sup> International Geological Congress in Brisbane, Australia, in August 2012, the TG-GGP provides a single global forum for interchange on professional affairs in geoscience worldwide. Its main purpose is to ensure that geoscientists, active in all areas of geoscience, are fully engaged in the transformation of their profession – a profession that is increasingly relied upon by the public to provide expert opinions and service, and to safeguard the public interest.

## PERC

EFG also continues to provide administrative support to PERC. The Pan-European Reserves & Resources Reporting Committee, PERC, is the organisation responsible for setting standards for public reporting of exploration results, mineral resources, and mineral reserves by companies listed on markets in Europe. It is a member of CRIRSCO, the Committee for Mineral Reserves International Reporting Standards, and the PERC Reporting Standard is fully aligned with the CRIRSCO Reporting Template. PERC is established formally as a not-for-profit organisation ('asbl') registered in Brussels



by its four founding professional organisations, the Institute of Materials, Minerals, and Mining (IOM3), the European Federation of Geologists, the Geological Society of London, and the Institute of Geologists of Ireland. More information: [www.percstandard.eu](http://www.percstandard.eu)

## COOPERATION AGREEMENTS

In March 2015, the European Federation of Geologists (EFG) and the Geological Society of Africa (GSAf) signed a memorandum of understanding in Brussels to increase their mutual cooperation. Given the similar objectives and common benefits of its members, EFG and GSAf agreed to promote activities fostering cooperation in scientific research and promote scientific opportunities between members of both organisations. More information on GSAf: [www.geologicalsocietyofafrica.org](http://www.geologicalsocietyofafrica.org)

On 17 September 2015, EFG signed a Memorandum of Understanding (MoU) with the International Association for Geoethics (IAGETH). The objective of this MoU is to bring the two IUGS-affiliated organisations (IAGETH and

EFG) together to focus attention on the conjunction of geoethical aspects and best practices in the context of geosciences, through joint actions, including professional and institutional cooperation on different subjects and the production of training material, roadmaps and protocols at different levels. The memorandum was signed by EFG President Vítor Correia and IAGETH President Jesús Martínez-Frías in Bled (Slovenia). More information on IAGETH: [www.icog.es/iageth](http://www.icog.es/iageth)

EFG now has cooperation agreements with the international associations represented in the following map:

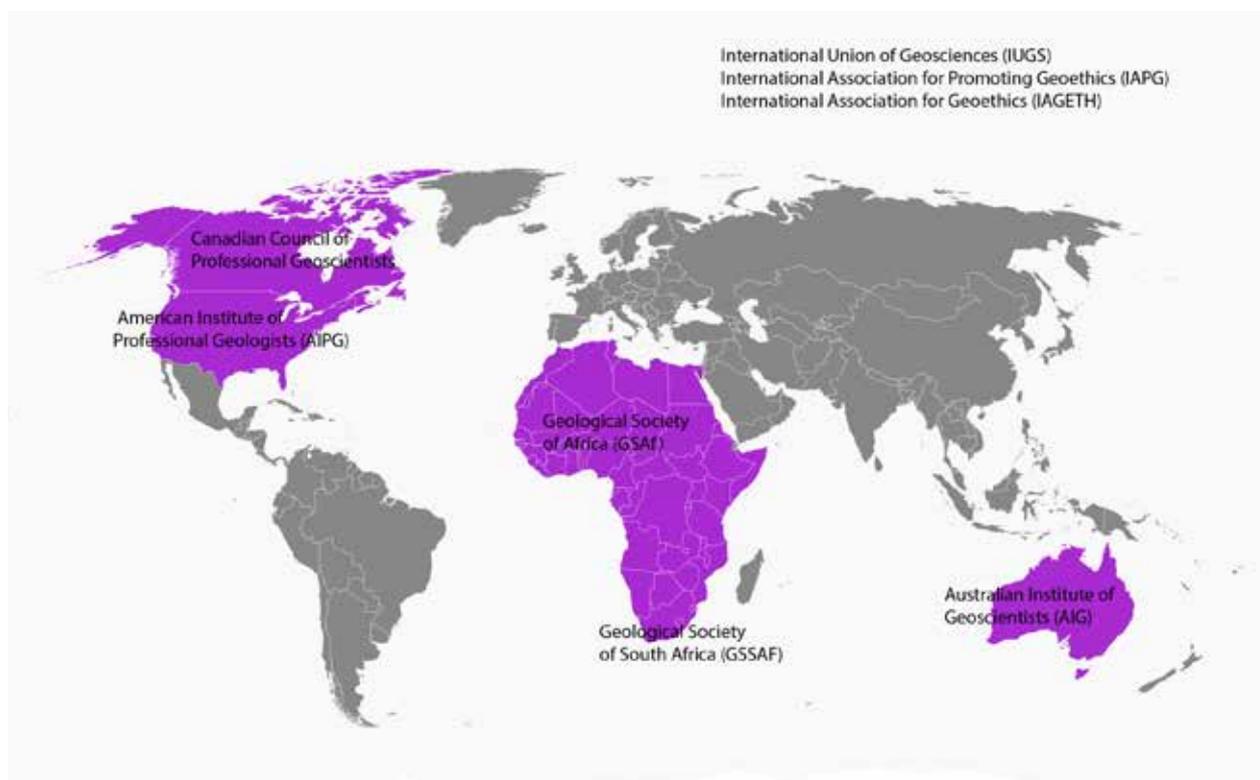


FIGURE 5: EFG'S INTERNATIONAL COLLABORATION AGREEMENTS.



## GEOEXPERT

### OBJECTIVES AND DRIVERS

1. Promote the EurGeol title to ensure delivery of high levels of professional competence based on individual responsibility;
2. Actively seek opportunities to develop global standards promoting responsible and sustainable exploitation of geological resources, based on simple and personal warrants given by an accredited professional.



### OUTCOMES

1. Increase the status of the EurGeol title;
2. Increase recognition of the EurGeol title at the National, European, and International levels;
3. Increase the number of EurGeol applications and the revenues from EurGeol fees;
4. Develop and implement new EU standards (or reinforcing existing ones) or certification schemes based on warrants given by EurGeols.

## EURGEOL TITLE

The European Geologist title (EurGeol) is a professional title created by the European Federation of Geologists which recognises the ability to deliver a high quality of services within the practice of geology. Title holders have achieved suitable academic training and a level of professional experience, skill and competence to perform tasks within their professional practice. It also means that the geologist undertakes continuing education and training, demonstrating a personal commitment to stay up to date and informed within the sphere of their professional work.



An application for the European Geologist (EurGeol) title must be submitted through one of the EFG's Licensed Bodies that are authorised to award the title. These Licensed Bodies are the:

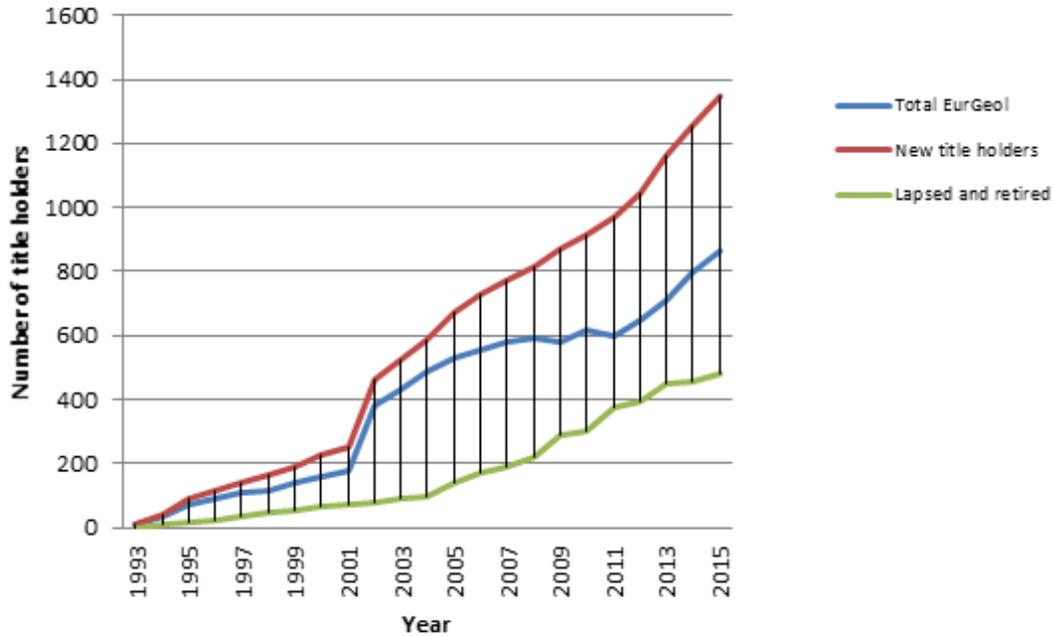
- Institute of Geologists of Ireland (IGI)
- Italian National Council of Geologists (CNG)
- Geological Society of London (GSL)
- Spanish Association of Professional Geologists (ICOG)
- Swiss Association of Geologists (CHGEOL)
- International Licensed Body (ILB)

The ILB is operated by EFG for applicants who are not members of one of the above-mentioned National Licensed Bodies. The applications to the ILB need to be presented by a National Vetting Committee (NVC).

List of NVCs:

- Belgium/Luxembourg: UBLG
- Czech Republic: CALG
- Finland: YKL
- France: GSF
- Germany: BDG
- Hungary: MFT
- The Netherlands: KNGMG
- Poland: Polish Association of Mineral Asset Valuers
- Portugal: APG
- Russia: NAEN
- Serbia: SGS
- Slovenia: SGS
- Sweden: NA
- Ukraine: UAG

As the following graph shows, the European Geologist title continued to gain popularity in the past few years. In total, nearly 1.350 titles have been awarded and 863 titleholders are currently in good standing with EFG what means that they comply with the obligation of submitting records of their Continuing Professional Development (CPD) on a regular basis.



Source: EFG Office. Data provided through national association reports.

FIGURE 6: EURGEOL TITLE EVOLUTION.

## INTERNATIONAL RECOGNITION

Professional titles have become important in demonstrating the suitability of a professional to provide geological services. The professional title provides a quality mark to demonstrate to clients, regulators and the public that the individual is competent to provide geological advice, and allows employers to offer competitive commercial services. To adapt to the current and future challenges within the geo-political framework of the European Union, it is necessary that geologists achieve, and can demonstrate, a high degree of professional experience to be able to respond to the demands of society in practicing their profession.

Thanks to the harmonisation of training and experience underlying the EurGeol certification, the title acts as a

passport to professional practice in Europe, thereby encouraging free movement of professionals.

At international level, mutual recognition agreements have been set with the American Institute of Professional Geologists (AIPG) and the Canadian Council of Professional Geologists (CCPG). On a practical level, European Geologists are recognised by the mineral reporting authorities in Australia, Canada, Peru, South Africa, UK and the USA as professionals accredited to sign reports on mineral resources within their area of expertise and in the valuation of mining companies quoted on the Stock Exchanges.

## CPD PROVIDER AGREEMENTS

Based on the agreement signed between EAGE, the European Association of Geoscientists and Engineers, and EFG in March 2013:

- EAGE promotes the EurGeol Title to its European members, and maps the EurGeol Title competency matrix with EAGE's portfolio of training and educational programmes that could support those preparing for an application or the CPD of existing title holders.;

- EFG recognises EAGE as an official CPD point provider in the EurGeol title process.

In November 2013, EFG signed agreements with its national association members BLUG/UBLG (Belgium/Luxemburg) and BDG (Germany) with a view to increasing the promotion of the European Geologist title. Both associations are recognised as official CPD point providers.

## SERVICES

### OBJECTIVES AND DRIVERS

1. Enhance the dialog between EFG and its stakeholders;
2. Enhance the value for mobility of geologists both within and outside Europe;
3. Establish web services relating to the EurGeol title, allowing the holders to upload personal data and to download information regarding job offers and training opportunities, and the general public to run queries (searching for EurGeols);
4. Establish an e-learning platform and develop training courses.



### OUTCOMES

1. Increase the status of the EurGeol title;
2. Increase the number of EurGeol applications and the revenues from EurGeol fees;
3. Increase the income from training courses and reinforce relations with NAs willing to cooperate in professional training (for example, in developing courses, teaching, promoting, publicising).

## EURGEOL TOOL: INTERACTIVE DIRECTORY OF EUROPEAN GEOLOGISTS

The EurGeol Tool is an electronic service for European Geologist title holders (EurGeols), companies, public authorities and other stakeholders:

- EFG has created an interactive directory allowing companies and organisations to search for European Geologists, EurGeols, active in one specific country and/or one specific professional geology domain.
- The section ‘EurGeol searcher’ provides information about all professional geologists (EurGeols) registered and validated by the European Federation of Geologists. The title held by a professional geologist means that the holder has achieved suitable academic training and a sufficient level of professional experience. In addition the geologist

undertakes continuing education and training activities, and is required to abide by the EFG Code of Ethics.

- In the section ‘EurGeol Service’, European Geologists can complete their annual record of Continuing Professional Development (CPD) online, and create their electronic CV or visit card.
- In terms of quality control each EFG Licensed Body can supervise and audit the EurGeol’s CPD records in the section “Licensed Bodies service”. Each Licensed Body has access to the details of the EurGeols registered in its organisation.

## E-LEARNING PLATFORM

The EFG e-learning platform has been established in 2012 with the aim of providing a forum for electronic training for geoscientists.

Since 2013, the platform hosts a course on CO<sub>2</sub> capture and storage (CCS). It provides in-depth understanding of

the role of CCS in the climate change mitigation portfolio, the technical approaches on CO<sub>2</sub> capture and transport, the science behind geological storage, site selection and risk evaluation, and the role of policy in establishing market and business opportunities for CCS.

## TRAINING

As a further service towards its members, EFG co-organised and promoted different training opportunities in 2015:

### PERC short course: Towards reliable mineral resources reporting / Helsinki / Finland / 13 March 2015

EFG’s Finnish member Geologiliitto and PERC organised a one-day short course on mineral resources reporting in Helsinki. The course was led by Edmund Sides from

AMEC. The course followed the PERC Reporting Standard but is also applicable to all CRIRSCO compliant reporting codes.

The course covered principal topics of exploration results and resources reporting codes.

- self-assessment of required skills and experience
- sampling data and techniques
- reporting of exploration results
- reporting of mineral resources

- reporting of mineral reserves
- commodity-specific and other special situations

**PERC Reporting course / Lennestadt / Germany / 17 September 2015**

In the framework of the cooperation agreement between EFG and BDG, a PERC training course was organised in September 2015. The course entitled “PERC

Reporting - Best Practise for Assessment and Reporting of Exploration Results, Mineral Resources and Mineral Reserves” was delivered by Ed Sides. The training was directed to geoscientists active in the reporting of mineral resources and was recognised as a Continuing Professional Development activity for European Geologists in general.

**ENDORSED TRAINING COURSES**

**E**FG’s training course endorsement programme is a free service with benefits to both course providers and EurGeol title holders. Applications are welcomed from the providers of short training courses, seminars, workshops, etc.

Benefits for course providers:

- Course endorsement raises your institution’s profile and fosters recognition within the European and international geoscience community.
- Your event is advertised to European Geologist title holders and others who visit EFG’s website, as well as the readership of EFG’s monthly newsletter GeoNews (dissemination to more than 40.000 geoscientists all over Europe).

Benefits for European Geologist title holders:

- Information on CPD training approved by EFG provides quality reassurance.
- EurGeols benefit from a discount of 20% on the registration fee.

Endorsement is valid for 3 years, subject to receipt of satisfactory feedback from EurGeol title holders.

Please see EFG’s event calendar for information on dates, venues and fees for endorsed courses.

## Projects

### OBJECTIVES AND DRIVERS

1. Ensure funding of EFG's current activity through participation in dissemination tasks (or management/co-ordination tasks) of EU funded projects where there is a geoscience element;
2. Strengthen the bond between the EFG, the NAs and national entities (countries and organisations in Europe and elsewhere) related to innovation and R&D;
3. Enhance the prestige and credibility of the EFG within the EU institutions, businesses and institutions of R&D;
4. Involve as (staff and individual members with appropriate expertise) for their financial benefit.



### OUTCOMES

1. Build on the existing accumulated project surplus funds to allow funding of all EFG non-core (investment) activities;
2. Make at least a 40% contribution to core funding before 2017 allowing reduction of NA fee budget;
3. Enhance the competences of EFG in communicating to the public, the community of geoscientists and decision makers;
4. Enhance the competences of EFG in the preparation of applications for EU funded projects and in delivering excellence as a project partner or co-ordinator;
5. Strengthen EFG relationships with NAs, Laboratories and Universities of the countries (European or not) involved in the applications/projects;
6. Establish EFG and its member NAs as 'first choice' partners for pan European dissemination of geoscience topics and leading to a 'pipeline' of unsolicited invitations to participate.

**H**orizon 2020 is the biggest EU Research and Innovation programme ever, with nearly €80 billion of funding available to secure Europe's global competitiveness in the period 2014-2020.

Following its *Initiative Looking Forward*, the EFG Board put a lot of energy in developing and participating in several project proposals within the Horizon 2020 programme.

From the beginning of 2015 the Federation is involved in four Horizon 2020 projects: INTRAW, KINDRA, MINATURA2020 and ¡VAMOS!.

Three new projects started at the beginning of 2016: UNEXMIN, CHPM2030 and MICA.

## INTRAW

642130 - INTRAW

*International cooperation on Raw materials*

START DATE: 1 February 2015

DURATION: 36 MONTHS



INTRAW, which started in February 2015, aims to map best practices and develop new cooperation opportunities related to raw materials between the EU and technologically advanced countries (Australia, Canada, Japan, South Africa and the United States) in response to similar global challenges. The outcome of the mapping and knowledge transfer activities conducted in the first two years of the project will be used as a baseline to set up and launch the European Union's International Observatory for Raw Materials as a permanent raw materials knowledge management body.

### EFG Role:

EFG is the coordinator of a consortium of 15 partners from different countries including Australia, the United States and South Africa. Most of EFG's members are also part of the consortium as Linked Third Parties.

### Current status:

The experts appointed to the three INTRAW Panels on "Research & Innovation", "Education & Outreach" and "Industry & Trade" gathered in Bled (Slovenia) on 15 and 16 September 2015 to provide their views on international raw materials policies and the key factors that are most influential in developing and sustaining successful raw materials sectors.

The INTRAW repository and its database process manual were completed and submitted (as deliverables) on time to the European Commission. The repository consists of a database of documents used and generated by the project, searchable by a variety of metadata elements as well as by free text from document abstracts or executive summaries. The repository is designed to operate online as a self-contained unit that is already accessible through the INTRAW website, and is now being populated.

In February 2016 the consortium officially launched a set of reports analysing the contextual environment of the project's five "Reference Countries". The reports present the countries' historical economic development during the 20<sup>th</sup> and 21<sup>st</sup> centuries in general, and in relation to primary raw materials management in particular.

The launch of these reports was actively promoted in March and April through a press release and social media: <http://intraw.eu/publications>.

The publication of three transactional reports on Research & Innovation, Education & Outreach and Industry & Trade is currently in preparation and scheduled for September.

### EFG Linked Third Parties

#### EFG member associations:

- Belgo-Luxembourg Union of Geologists (Belgium-Luxembourg)
- Croatian Geological Society (Croatia)
- Czech Association of Economic Geologists (Czech Republic)
- The Finnish Union of Environmental Professionals (Finland)
- French Geological Society (France)
- Professional Association of German Geoscientists (Germany)
- Association of Greek Geologists (Greece)
- Hungarian Geological Society (Hungary)
- Institute of Geologists of Ireland (Ireland)
- Italian National Council of Geologists (Italy)
- Royal Geological and Mining Society of the Netherlands (The Netherlands)
- Polish Association of Minerals Asset Valuers (Poland)
- Portuguese Association of Geologists (Portugal)
- Slovenian Geological Society (Slovenia)
- Serbian Geological Society (Serbia)
- Official Spanish Association of Professional Geologists (Spain)
- Geosection, Swedish Association of Scientists (Sweden)
- Swiss Association of Geologists (Switzerland)
- Ukrainian Association of Geologists (Ukraine)
- Geological Society of London (UK)

#### International counterparts:

- American Institute of Professional Geologists (USA)
- Australian Institute of Geoscientists (Australia)
- Geological Society of South Africa (South Africa)
- Geoscientists Canada (Canada)

More information: [www.intraw.eu](http://www.intraw.eu)

**KINDRA**

642047 - KINDRA

*Knowledge Inventory for hydrogeology research*

START DATE: 1 January 2015

DURATION: 36 MONTHS



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.

**EFG Role:**

The European Federation of Geologists (EFG) is the leader on the data collection and processing to carry out EU-wide assessment of existing practical and scientific knowledge (using the developed HRC-SYS) focusing on EU, national, regional, international and EU-third party scientific activities. This assessment will be implemented with the help of the national members of EFG (Linked Third Parties). EFG is also involved in the dissemination activity.

**Current status:**

According to the Third Parties Cooperation Agreement, EFG's members support the project by identifying an expert on hydrogeology who will gather national information concerning hydrogeology from diverse sources, such as government bodies, universities, research centers, regional authorities, and will map existing practical and scientific knowledge, using KINDRA's Hydrogeological Research Classification System in English provided by EFG. In the first phase of the project, a survey has been carried out in order to create an inventory of hydrogeology information sources on the state of groundwater knowledge related to national and international projects, documents, databases and initiatives.

Due to the high security alert level announced in Brussels in November 2015, the workshop "State of the knowledge for hydrogeology research in Europe" was cancelled. The consortium agreed to re-schedule the

workshop in Sevilla, Spain, on 4 and 5 February 2016 in combination with a consortium meeting. The workshop focussed on the training of national experts (delegates from the EFG KINDRA Third Parties) who will actively take part in the KINDRA activity "Data collection and processing". The day was divided in two main sessions: Harmonised Research Classification System (HRC-SYS) and European Inventory of Groundwater Research (EIGR) that help demonstrating the large variation and importance of different groundwater research areas. Finally, the Third Parties Experts participated in a practical training session to learn and demonstrate the classification system.

**EFG Linked Third Parties**

- Belgo-Luxembourg Union of Geologists (Belgium-Luxembourg)
- Croatian Geological Society (Croatia)
- Czech Association of Economic Geologists (Czech Republic)
- Danish Geological Society (Denmark)
- The Finnish Union of Environmental Professionals (Finland)
- Professional Association of German Geoscientists (Germany)
- Association of Greek Geologists (Greece)
- Hungarian Geological Society (Hungary)
- Institute of Geologists of Ireland (Ireland)
- Italian National Council of Geologists (Italy)
- Royal Geological and Mining Society of the Netherlands (The Netherlands)
- Polish Association of Minerals Asset Valuers (Poland)
- Portuguese Association of Geologists (Portugal)
- Slovenian Geological Society (Slovenia)
- Serbian Geological Society (Serbia)
- Official Spanish Association of Professional Geologists (Spain)
- Swiss Association of Geologists (Switzerland)
- Ukrainian Association of Geologists (Ukraine)
- Geological Society of London (UK)

More information: [www.kindraproject.eu](http://www.kindraproject.eu)

## MINATURA2020

642139 - MINATURA 2020

*Developing a concept for a European minerals deposit framework*

START DATE: 1 February 2015

DURATION: 36 MONTHS



MINATURA2020 was launched in February 2015 as a response to social needs to safeguard mineral deposits of public importance for the future. The overall objective of this three-year project is to develop a concept and methodology for the definition and subsequent protection of “Mineral Deposits of Public Importance” (MDoPI) in order to ensure their best use in the future.

### EFG role:

EFG is involved in the establishment of the Council of Stakeholders and leads the Work Package on Dissemination.

### Current status:

In the framework of Work Package 1 on land use assessment, two workshops were held in autumn 2015 in Wageningen (The Netherlands) with the aim of tagging potential mineral extraction areas for a selection of important minerals and identifying the extent and/or significance of competition with other land uses.

From 24 to 26 October 2015 a MINATURA2020 workshop was held in Lisbon, Portugal, with the aim of informing Portuguese stakeholders on the project scope and facilitating discussions on experiences in land use planning

and mining in Portugal between stakeholders, members of the MINATURA2020 Advisory Board and consortium partners.

Members of the consortium gathered in Vienna, Austria, on 21 January 2016 in order to close the definition of “Mineral Deposits of Public Importance”. The project team agreed on a working definition that will be used for engagement with stakeholders: “A mineral deposit is of public importance where information demonstrates that sustainable exploitation could provide economic, social or other benefit to the EU (or the member states or a specific region/municipality.”

On the MINATURA2020 website national pages were launched at the beginning of 2016, where information on the project is provided in all languages represented in the consortium: <http://minatura2020.eu/national-pages>

A survey on “Mineral Deposits of Public Importance” aims currently to collect information in order to achieve a Pan-European approach on the topic of safeguarding non-energy minerals. Detailed instructions are available on the website.

Several stakeholder workshops were organised at national level in the participating countries. More events will follow in the coming months. Full information is available in the news section and the events calendar of the project’s website.

More information: [www.minatura2020.eu](http://www.minatura2020.eu)

**¡VAMOS!**

642477 - VAMOS

*¡Viable and Alternative Mine Operating System!*

*START DATE: 1 February 2015*

*DURATION: 42 MONTHS*



The aim of the EU-funded ¡VAMOS! (Viable Alternative Mine Operating System) project is to design and build a robotic, underwater mining prototype with associated launch and

recovery equipment, which will be used to perform field tests at four EU mine sites.

**EFG role:**

EFG supports the project through stakeholder engagement and dissemination activities.

**Current status:**

Presentations on ¡VAMOS! were given during the EFG meeting 2015, on 11 June, in Newcastle. A visit to SMD's workshop facilities was also organised.

The project consortium passed a major milestone in September 2015 with the successful delivery of conceptual design plans of the prototype and all associated equipment.

Site visits to the 4 pre-trial locations were completed in April 2016. An evaluation of all acquired data will be taken into account in the selection process of test sites, which are due to take place from mid-2017. The locally available knowledge and documentation about each site's exploitation history and the nearby availability of associated facilities for the test campaign will be relevant to the selection process.

On 21 April 2016 EFG organised a workshop in São Domingos (Portugal), a mining village founded to support the exploitation of a copper-zinc mine in the Iberian Pyrite Belt in the 19<sup>th</sup> century. The mine closed in the 1960s and is now abandoned. The aim of this workshop was to bring together a wide group of local and regional stakeholders with interests in the Iberian Pyrite Belt, and to collect their views and insight on possible development scenarios linked to the reopening of some of the abandoned mines in the future. Public participation and public discussion were encouraged and nearly 50 people, representing regional authorities and local stakeholders, attended the workshop. The information collected is being processed and will be incorporated in the project deliverables.

More information: <http://vamos-project.eu>

## COMMUNICATION

### OBJECTIVES AND DRIVERS

1. Improve the use of geoscientific information on decision-making in public policies;
2. Raise public awareness of the importance of geosciences;
3. Improve elementary knowledge of the public on geology and geological processes.

### OUTCOMES

1. Reinforce the use of the EFG communication tools: EGM, GeoNews and webpage;
2. Reinforce the dissemination capacity between EFG Members NA;
3. Raise awareness of EFG, among the public and policy makers, as a trustworthy source for geoscientific information;
4. Reinforce EFG capabilities to contribute to the development of EU policies relating to the geosciences;
5. Strengthen the bonds between EFG, NAs and mineral industry associations;
6. Coorganise the EU Geology Day.



## WEBSITE

In June 2014 EFG presented its newly designed web page to the public. The aim was to develop a modern and dynamic design and base the page's organisation around the seven thematic actions of EFG's strategic plan for 2014 to 2017.

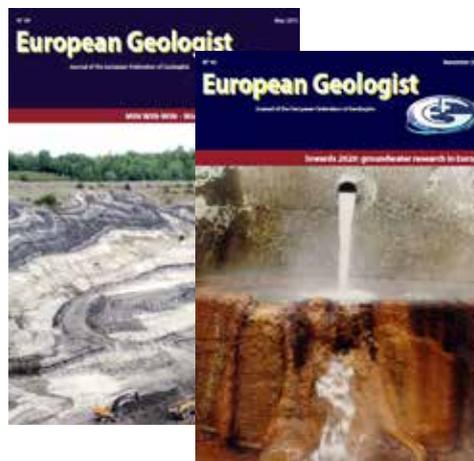
In 2015 only small content updates were applied and the website has been moved to a new and safer server that hosts all EFG platforms (main website, EurGeol tool, internal documents, e-learning platform).

The website is available at [www.eurogeologists.eu](http://www.eurogeologists.eu).

## EUROPEAN GEOLOGIST JOURNAL

European Geologist is the Journal of the European Federation of Geologists. It is published twice per year and carries articles on geological issues, both technical, professional and other matters.

The May edition (EG39) is a special issue named "Minerals Reporting Standards". It was dedicated to the MIN WIN-WIN conference organised in November 2014 by EFG and PERC. Speakers of the conference were invited to submit articles on mineral reporting standards. It is available for online reading at [http://issuu.com/efgoffice/docs/egj39\\_final](http://issuu.com/efgoffice/docs/egj39_final). The November edition (EG40) is related to the KINDRA project and is entitled "Towards 2020: groundwater research in Europe". It is available at [https://issuu.com/efgoffice/docs/egj40\\_final](https://issuu.com/efgoffice/docs/egj40_final)



## NEWSLETTERS

Since several years, the EFG Office produces GeoNews, a monthly newsletter with the most relevant information for the European Geologists community such as events, reports, regulations, or consultations for the main activity areas (Hydrogeology, Soil Protection, Geothermal Energy, CCS, etc).



The GeoNews is disseminated once per month to EFG's network of more than 40.000 geoscientists all over Europe and via the social media LinkedIn, Facebook and Twitter.

Since September 2015, GeoNews comes up with new design and contents. The cover now features one of the EAGE/EFG photo contest pictures. We also introduced a new category: the «European Geologist of the month». Each month one of the EurGeol title holders tells us about his professional experiences and which role the title plays for his career.

More information: <http://eurogeologists.eu/geo-news>

EFG project news is EFG's new quarterly publication on the status of ongoing Horizon2020 projects. The first three issues have been distributed to EFG delegates in May, August and November 2015.

## SOCIAL MEDIA

The popularity of all social media profiles is increasing steadily. All three accounts are electronically linked with each other and regularly updated with GeoNews, EGJ, events and other geoscience related news.

- Facebook: Account created in April 2011: +1138 likes
- Twitter: Account created in June 2012 : +226 followers
- LinkedIn: Account created in June 2012: +1,883 connections



## PHOTO CONTEST

As in the past two years the photo contest “Geoscientists at work” has been organised in collaboration with EAGE. This year four subcategories were introduced: Education & training; Landscapes & environment; Fieldwork; Energy. By the deadline for participation (1 March 2015) almost 140 photos were submitted (the number of entries has doubled compared to past years!). Following a quality check by an internal jury, the Top12 photos have then been selected in March through public voting. Those twelve pictures were displayed at several geosciences events in summer and autumn 2015. A desktop calendar for 2016 has also been produced.

The Top3 winners are:

- First prize: ‘Erosional Act by Nature’ by Abhimanyu Maitra
- Second prize: ‘From the Volcano to the Sunset’ by Daria Chisari
- Third prize: ‘Trusting in Trusting’ by Christian Rambousek

More information:

[www.houseofgeoscience.org](http://www.houseofgeoscience.org)



# 6 FINANCIAL REPORT

## JPS ACCOUNTING AND TAX NETWORK

“JPS A.T.N”

Société Civile à forme de société privée à responsabilité limitée  
Avenue de Jette, 32 / 3 - 1081 Koekelberg

### EUROPEAN FEDERATION OF GEOLOGISTS REPORT OF THE CHARTERED ACCOUNTANT ON THE CONTROL OF THE ACCOUNTS OF THE FINANCIAL YEAR ENDING ON 31 DECEMBER 2015

I undersigned, Jean-Pierre Verstraeten, Chartered Account, partner of the SPRL JPS ATN, certify by this document that, in accordance with statutory regulations. I have proceeded to the checking of annual accounts established under the responsibility of the management of the non-profit organisation “European Federation of Geologists” for the financial year ending on 31 December 2015 for which profit and loss accounts shows a profit of € 6.099,02 and a total balance of € 351.268,54.

The impact of project on the result is € 3.587,96, consequence of € 293.750,72 of turnover and € 290.162,76 of costs. There is deferred income on project of € 220.237,59. The total of cash in hand and in bank is € 329.965,54.

This certificate is delivered without reservations as far as annual accounts are concerned.

My auditing has been effected in conformity with the norms of the “Institut des Experts Comptables”. These professional norms require that the audit is organised and done in a way to reach a fair certainty that the annual accounts do not have significant inaccuracies with regard to this statutory regulations applied to balance sheets in Belgium.

In accordance to these norms, I have taken into account the administrative and accounting structures of the Belgian branch organisation and of its internal control dispositions. The director of the Belgian branch has replied with clarity to my request for explanations and information, I have assessed the major evaluation and estimation accounting rules used by the Belgian branch. I come to the conclusion that it gives a fair ground for the expression of my opinion.

In my opinion, and in the light of the applicable laws and regulations, the annual accounts with closing date of 31 December 2015 reflect in a complete, faithful and correct way to assets, financial situation and results of the association.

Without prejudice to formal aspects of minor importance, the accounting of the “European Federation of Geologists” is in accordance with the regulations applicable in Belgium.

Yours faithfully,  
Brussels, 18<sup>th</sup> February 2016

JP VERSTRAETEN

Chartered Accountant IEC (Institut des Experts Comptables)

Tel : +32 2 318.11.40  
office@jpsatn.be

expert-comptable  
conseil fiscal  
iec  
Institut des Experts-comptables et des Conseils fiscaux  
224392 3 EFF12  
RPM : TVA BE0508.893.771

IBAN : BE31 3631 1399 5955  
BIC : BBRUBEBB

<b>001 EUROPEAN FEDERATION OF GEOLOGISTS</b>	Date	9/02/2016
<b>General accounts balance</b>	Time	15:32:12
<b>Year 2015 - Periods REP to CLO</b>	Currency	EUR
<b>Popsy 3.1.975</b>	Page	1

Reference	Wording	Debit	Credit	Balances	
				Debit	Credit
<b>14</b>	<b>Accumulated profits / losses</b>				
140000	Accumulated profits	0,00	77.414,00	0,00	77.414,00
140015	Result 2015	0,00	6.099,02	0,00	6.099,02
<b>Total 14</b>		<b>0,00</b>	<b>83.513,02</b>	<b>0,00</b>	<b>83.513,02</b>
<b>40</b>	<b>Amounts receivable - Trade debtors</b>				
400000	Customers	112.739,70	91.436,70	21.303,00	0,00
404000	Income receivable	120,00	120,00	0,00	0,00
<b>Total 40</b>		<b>112.859,70</b>	<b>91.556,70</b>	<b>21.303,00</b>	<b>0,00</b>
<b>44</b>	<b>Trade debts</b>				
440000	Suppliers	332.267,68	339.160,43	0,00	6.892,75
444000	Invoices to be received	14.917,72	41.465,23	0,00	26.547,51
<b>Total 44</b>		<b>347.185,40</b>	<b>380.625,66</b>	<b>0,00</b>	<b>33.440,26</b>
<b>45</b>	<b>Taxes, remuneration &amp; social security costs</b>				
451100	VAT to pay intracommunity	0,00	11.735,61	0,00	11.735,61
453000	Advance deduction - professional	9.344,66	9.344,66	0,00	0,00
454000	Social security contribution	25.418,41	25.418,41	0,00	0,00
455000	Remunerations	48.527,43	48.527,43	0,00	0,00
456000	Holiday pay employees - provisions	0,28	0,28	0,00	0,00
<b>Total 45</b>		<b>83.290,78</b>	<b>95.026,39</b>	<b>0,00</b>	<b>11.735,61</b>
<b>48</b>	<b>Other amounts payable</b>				
480110	PARTNERS INTRAW	924.608,18	924.608,18	0,00	0,00
489000	Other various debts	0,00	2.342,06	0,00	2.342,06
<b>Total 48</b>		<b>924.608,18</b>	<b>926.950,24</b>	<b>0,00</b>	<b>2.342,06</b>
<b>49</b>	<b>Regularization and suspense accounts</b>				
493010	Renewal to be deferred	0,00	96,00	0,00	96,00
493101	Incomes to be deferred INTRAW	0,00	89.266,25	0,00	89.266,25
493111	Incomes to be deferred KINDRA	0,00	70.273,09	0,00	70.273,09
493121	Incomes to be deferred MINATURA	0,00	37.539,75	0,00	37.539,75
493161	Income to be deferred MICA	0,00	23.062,50	0,00	23.062,50
499000	Suspense accounts	87.652,31	87.652,31	0,00	0,00
<b>Total 49</b>		<b>87.652,31</b>	<b>307.889,90</b>	<b>0,00</b>	<b>220.237,59</b>
<b>55</b>	<b>Credit institutions</b>				
550001	BNP MAIN	1.632.648,53	1.303.476,67	329.171,86	0,00
550002	BNP OFFICE	3.081,55	2.075,34	1.006,21	0,00
550100	Visa	1.719,95	1.719,95	0,00	0,00
<b>Total 55</b>		<b>1.637.450,03</b>	<b>1.307.271,96</b>	<b>330.178,07</b>	<b>0,00</b>
<b>58</b>	<b>Internal transfers of funds</b>				
580000	Internal transfers of funds	3.016,55	3.016,55	0,00	0,00
580001	Visa	1.453,19	1.665,72	0,00	212,53
<b>Total 58</b>		<b>4.469,74</b>	<b>4.682,27</b>	<b>0,00</b>	<b>212,53</b>
<b>60</b>	<b>Provisioning and goods</b>				
600010	EurGeols costs	142,53	0,00	142,53	0,00
<b>601</b>	<b>PROJECTS</b>				
<b>60110</b>	<b>INTRAW</b>				
601101	Intraw Conference	32.279,72	0,00	32.279,72	0,00
601102	Intraw Inhouse consulting	49.083,47	0,00	49.083,47	0,00
601103	Intraw Travel	6.420,06	0,00	6.420,06	0,00
601104	Intraw Other	3.490,92	151,15	3.339,77	0,00
601105	Intraw salary cost	18.289,64	0,00	18.289,64	0,00

**001 EUROPEAN FEDERATION OF GEOLOGISTS**  
**General accounts balance**  
**Year 2015 - Periods REP to CLO**

Date 9/02/2016  
 Time 15:32:12  
 Currency EUR  
 Page 2

**Popsy 3.1.975**

Reference	Wording	Balances			
		Debit	Credit	Debit	Credit
601109	Intraw Third parties	45.168,75	1.968,75	43.200,00	0,00
<b>Total 60110</b>		<b>154.732,56</b>	<b>2.119,90</b>	<b>152.612,66</b>	<b>0,00</b>
<b>60111</b>	<b>KINDRA</b>				
601111	Kindra Conference	4.853,46	78,69	4.774,77	0,00
601112	Kindra Inhouse consulting	9.999,01	0,00	9.999,01	0,00
601113	Kindra Travel	2.858,24	0,00	2.858,24	0,00
601115	Kindra salary cost	20.811,24	0,00	20.811,24	0,00
601119	Kindra Third parties	66.825,23	3.465,00	63.360,23	0,00
<b>Total 60111</b>		<b>105.347,18</b>	<b>3.543,69</b>	<b>101.803,49</b>	<b>0,00</b>
<b>60112</b>	<b>MINATURA</b>				
601122	Minatura Inhouse consulting	5.655,00	0,00	5.655,00	0,00
601123	Minatura Travel	1.551,82	0,00	1.551,82	0,00
601124	Minatura Other	3.838,13	58,48	3.779,65	0,00
601125	Minatura salary cost	10.972,84	0,00	10.972,84	0,00
<b>Total 60112</b>		<b>22.017,79</b>	<b>58,48</b>	<b>21.959,31</b>	<b>0,00</b>
<b>60113</b>	<b>VAMOS</b>				
601132	Vamos Inhouse consulting	6.974,99	0,00	6.974,99	0,00
601133	Vamos Travel	3.523,20	0,00	3.523,20	0,00
601135	Vamos salary cost	951,11	0,00	951,11	0,00
<b>Total 60113</b>		<b>11.449,30</b>	<b>0,00</b>	<b>11.449,30</b>	<b>0,00</b>
<b>60114</b>	<b>CHPM 2030</b>				
601143	Chpm 2030 Voyages	154,80	0,00	154,80	0,00
601144	Chpm 2030 Divers	40,96	0,00	40,96	0,00
<b>Total 60114</b>		<b>195,76</b>	<b>0,00</b>	<b>195,76</b>	<b>0,00</b>
<b>60119</b>	<b>TGGGP</b>				
601193	TGGGP Travel	819,89	0,00	819,89	0,00
601194	TGGGP Others	1.015,34	0,00	1.015,34	0,00
601195	TGGGP salary cost	164,48	0,00	164,48	0,00
<b>Total 60119</b>		<b>1.999,71</b>	<b>0,00</b>	<b>1.999,71</b>	<b>0,00</b>
<b>Total 601</b>		<b>295.742,30</b>	<b>5.722,07</b>	<b>290.020,23</b>	<b>0,00</b>
<b>Total 60</b>		<b>295.884,83</b>	<b>5.722,07</b>	<b>290.162,76</b>	<b>0,00</b>
<b>61</b>	<b>Services and other goods</b>				
<b>610</b>	<b>OFFICE</b>				
610004	Regional Tax	89,00	0,00	89,00	0,00
<b>Total 610</b>		<b>89,00</b>	<b>0,00</b>	<b>89,00</b>	<b>0,00</b>
<b>611</b>	<b>OFFICE EQUIPEMENT</b>				
611000	Office supplies	258,46	0,00	258,46	0,00
611001	Computer equipments - IT	50,00	0,00	50,00	0,00
611012	Internet	166,57	0,00	166,57	0,00
611013	Post	66,37	0,00	66,37	0,00
611015	Printings (business card,...)	115,92	0,00	115,92	0,00
<b>Total 611</b>		<b>657,32</b>	<b>0,00</b>	<b>657,32</b>	<b>0,00</b>
<b>612</b>	<b>MAGAZINE</b>				
612000	Printing	4.794,65	0,00	4.794,65	0,00
612010	Layout	2.178,00	0,00	2.178,00	0,00
612020	Post	97,85	0,00	97,85	0,00

<b>001 EUROPEAN FEDERATION OF GEOLOGISTS</b>	Date	9/02/2016
<b>General accounts balance</b>	Time	15:32:12
<b>Year 2015 - Periods REP to CLO</b>	Currency	EUR
<b>Popsy 3.1.975</b>	Page	3

Reference	Wording	Debit	Credit	Balances	
				Debit	Credit
<b>Total</b>	<b>612</b>	<b>7.070,50</b>	<b>0,00</b>	<b>7.070,50</b>	<b>0,00</b>
<b>613</b>	<b>COMMUNICATION</b>				
613000	Website	1.083,91	0,00	1.083,91	0,00
613010	Photo contest	490,91	0,00	490,91	0,00
<b>Total</b>	<b>613</b>	<b>1.574,82</b>	<b>0,00</b>	<b>1.574,82</b>	<b>0,00</b>
<b>614</b>	<b>MISCELLANEOUS</b>				
614001	Light meals	266,11	0,00	266,11	0,00
<b>Total</b>	<b>614</b>	<b>266,11</b>	<b>0,00</b>	<b>266,11</b>	<b>0,00</b>
<b>615</b>	<b>PROFESSIONAL SERVICES</b>				
615000	Accountancy	1.756,98	0,00	1.756,98	0,00
615001	Payroll and social contribution office	1.245,33	0,00	1.245,33	0,00
615020	Legal announcements	3,09	0,00	3,09	0,00
615100	Professional Cotisations	425,44	0,00	425,44	0,00
<b>Total</b>	<b>615</b>	<b>3.430,84</b>	<b>0,00</b>	<b>3.430,84</b>	<b>0,00</b>
<b>616</b>	<b>TRAVELS</b>				
616000	Travel EFG	1.897,33	220,70	1.676,63	0,00
616001	Travel Board	7.059,02	0,00	7.059,02	0,00
<b>Total</b>	<b>616</b>	<b>8.956,35</b>	<b>220,70</b>	<b>8.736,65</b>	<b>0,00</b>
<b>617</b>	<b>EXTERNAL SERVICES</b>				
617000	External services Stein Anita	30.337,87	0,00	30.337,87	0,00
617100	People placed at the disposal	1.775,00	0,00	1.775,00	0,00
<b>Total</b>	<b>617</b>	<b>32.112,87</b>	<b>0,00</b>	<b>32.112,87</b>	<b>0,00</b>
<b>619</b>	<b>EVENTS-MEETINGS</b>				
619000	Council Meeting	3.983,17	0,00	3.983,17	0,00
619020	Events EU	8.511,04	220,80	8.290,24	0,00
<b>Total</b>	<b>619</b>	<b>12.494,21</b>	<b>220,80</b>	<b>12.273,41</b>	<b>0,00</b>
<b>Total</b>	<b>61</b>	<b>66.652,02</b>	<b>441,50</b>	<b>66.210,52</b>	<b>0,00</b>
<b>62</b>	<b>Remunerations, social security costs and pensions</b>				
620200	Management staff - part-time	64.871,09	0,00	64.871,09	0,00
621000	Social security costs - employer	16.469,71	376,80	16.092,91	0,00
623000	Other personnel costs	2.295,09	359,54	1.935,55	0,00
623100	Meal cost	1.911,30	270,32	1.640,98	0,00
<b>Total</b>	<b>62</b>	<b>85.547,19</b>	<b>1.006,66</b>	<b>84.540,53</b>	<b>0,00</b>
<b>65</b>	<b>Financial charges</b>				
650000	Interests, commissions - fees related debts	353,50	0,00	353,50	0,00
650010	PAYPAL COST	94,81	0,00	94,81	0,00
<b>Total</b>	<b>65</b>	<b>448,31</b>	<b>0,00</b>	<b>448,31</b>	<b>0,00</b>
<b>67</b>	<b>Income taxes</b>				
670000	Income taxes & withholding taxes due or paid	24,63	0,00	24,63	0,00
<b>Total</b>	<b>67</b>	<b>24,63</b>	<b>0,00</b>	<b>24,63</b>	<b>0,00</b>
<b>69</b>	<b>Appropriation account</b>				
693000	Profit to be carried forward	6.099,02	0,00	6.099,02	0,00
<b>Total</b>	<b>69</b>	<b>6.099,02</b>	<b>0,00</b>	<b>6.099,02</b>	<b>0,00</b>
<b>70</b>	<b>Turnover</b>				

001 EUROPEAN FEDERATION OF GEOLOGISTS  
**General accounts balance**  
 Year 2015 - Periods REP to CLO

Date 9/02/2016  
 Time 15:32:12  
 Currency EUR  
 Page 4

Popsy 3.1.975

Reference	Wording	Debit	Credit	Balances	
				Debit	Credit
<b>700</b>	<b>Membership</b>				
700000	MEMBERSHIP	0,00	62.431,00	0,00	62.431,00
700001	Memberships previous year	0,00	1.000,00	0,00	1.000,00
700010	EUROGEOL RENEWAL	466,00	5.950,51	0,00	5.484,51
700011	EUROGEOL NEW	0,00	2.178,50	0,00	2.178,50
700020	NLB	0,00	18.187,00	0,00	18.187,00
<b>Total 700</b>		<b>466,00</b>	<b>89.747,01</b>	<b>0,00</b>	<b>89.281,01</b>
<b>701</b>	<b>PROJECTS</b>				
<b>70110</b>	<b>INTRAW</b>				
701101	Intraw EFG	89.266,25	198.033,75	0,00	108.767,50
701109	Intraw Third parties	0,00	43.200,00	0,00	43.200,00
<b>Total 70110</b>		<b>89.266,25</b>	<b>241.233,75</b>	<b>0,00</b>	<b>151.967,50</b>
<b>70111</b>	<b>KINDRA</b>				
701111	Kindra EFG	133.633,32	172.125,23	0,00	38.491,91
701119	Kindra Third parties	0,00	63.360,23	0,00	63.360,23
<b>Total 70111</b>		<b>133.633,32</b>	<b>235.485,46</b>	<b>0,00</b>	<b>101.852,14</b>
<b>70112</b>	<b>MINATURA</b>				
701121	Minatura EFG	37.539,75	64.546,87	0,00	27.007,12
<b>Total 70112</b>		<b>37.539,75</b>	<b>64.546,87</b>	<b>0,00</b>	<b>27.007,12</b>
<b>70113</b>	<b>VAMOS</b>				
701131	Vamos EFG	0,00	8.274,18	0,00	8.274,18
<b>Total 70113</b>		<b>0,00</b>	<b>8.274,18</b>	<b>0,00</b>	<b>8.274,18</b>
<b>70116</b>	<b>MICA</b>				
701161	Mica Feg	23.062,50	23.062,50	0,00	0,00
<b>Total 70116</b>		<b>23.062,50</b>	<b>23.062,50</b>	<b>0,00</b>	<b>0,00</b>
<b>70119</b>	<b>TGGGP</b>				
701190	TGGGP	0,00	4.649,78	0,00	4.649,78
<b>Total 70119</b>		<b>0,00</b>	<b>4.649,78</b>	<b>0,00</b>	<b>4.649,78</b>
<b>Total 701</b>		<b>283.501,82</b>	<b>577.252,54</b>	<b>0,00</b>	<b>293.750,72</b>
704000	DONATION	0,00	1.500,00	0,00	1.500,00
707000	Sales - Services - TF project	0,00	810,00	0,00	810,00
<b>Total 70</b>		<b>283.967,82</b>	<b>669.309,55</b>	<b>0,00</b>	<b>385.341,73</b>
<b>71</b>	<b>Increase/decrease in stocks &amp; work in progress</b>				
<b>712</b>	<b>MAGAZINE</b>				
712000	Sales	0,00	2.400,00	0,00	2.400,00
712001	Sponsoring	0,00	7.750,00	0,00	7.750,00
<b>Total 712</b>		<b>0,00</b>	<b>10.150,00</b>	<b>0,00</b>	<b>10.150,00</b>
<b>719</b>	<b>EVENTS-MEETINGS/PAF</b>				
719000	Contribution to costs	140,00	180,00	0,00	40,00
<b>Total 719</b>		<b>140,00</b>	<b>180,00</b>	<b>0,00</b>	<b>40,00</b>
<b>Total 71</b>		<b>140,00</b>	<b>10.330,00</b>	<b>0,00</b>	<b>10.190,00</b>
<b>74</b>	<b>Other operating incomes</b>				
740100	PERC	0,00	535,67	0,00	535,67

<b>001 EUROPEAN FEDERATION OF GEOLOGISTS</b>	Date	9/02/2016
<b>General accounts balance</b>	Time	15:33:20
Year 2015 - Periods REP to CLO	Currency	EUR
<b>Popsy 3.1.975</b>	Page	5

Reference	Wording	Balances			
		Debit	Credit	Debit	Credit
740200	Other income	0,00	100,00	0,00	100,00
749999	Salary project	0,00	51.189,31	0,00	51.189,31
<b>Total 74</b>		<b>0,00</b>	<b>51.824,98</b>	<b>0,00</b>	<b>51.824,98</b>
<b>75</b>	<b>Financial income</b>				
750000	Income from financial fixed assets	0,00	122,91	0,00	122,91
757000	Differencies in payment	0,00	6,15	0,00	6,15
<b>Total 75</b>		<b>0,00</b>	<b>129,06</b>	<b>0,00</b>	<b>129,06</b>
<b>Total accounts</b>		<b>3.936.279,96</b>	<b>3.936.279,96</b>	<b>798.966,84</b>	<b>798.966,84</b>

# 7 SPONSORSHIP

EFG broadly disseminates geology-related information among geologists, geoscientific organisations and the private sector, which is an important employer for its professional members, but also to the general public.

By means of its communication tools, EFG reaches approximately 50,000 European geologists as well as the international geology community. For each of these tools EFG proposes different advertisement possibilities. For the individual prices of these different options please refer to the table on the right side.

In addition, EFG proposes an advantageous annual advertisement-package of 3,500€ including the subscription of your company's logo to the EFG homepage, the GeoNews and in the European Geologist Magazine (full page colour ad).

The benefits for your company are:

- Increasing visibility of your company profile with a direct link to your website via the different communication tools of EFG.
- Broad distribution of your company news in the newsfeed of our homepage and in the GeoNews.
- Promotion of your events, publications or new products relevant to our geologists' community.
- Ads of your job offers relevant to our members in the job section of our webpage.

Since 2013, EFG proposes to its member organisations a reduction of their annual membership fee if they support EFG by introducing new sponsors or advertisers. Companies that sponsor EFG and its National Associations through this advertisement system contribute to the enhancement of the EurGeol professional title. Professional titles have become important in demonstrating the suitability of a professional to provide geological services. The professional title provides a quality mark to demonstrate to clients, regulators and the public that the individual is competent to provide geological advice, and allows employers to offer competitive commercial services. According to the EFG regulation, sponsorships can benefit directly to EFG's National Associations when they are concluded via the latter.

Media	Ad description	1 issue	2 issues	Package
EUROPEAN GEOLOGIST JOURNAL	Full page colour	820€	1320€	X
	Half page colour	420€	670€	
	Quarter page colour	220€	350€	
	Full page b&w	420€	670€	
	Half page b&w	220€	350€	
	Quarter page b&w	120€	200€	
	Business card size	90€	150€	
	Preferential location	+25%		
	Outside back cover colour	1200€	1900€	
	Second page colour	1000€	1600€	
	Second last page	1000€	1600€	
GEONEWS	Ad at the bottom of the newsletter and regular newsfeed	1500€		X
EFG HOMEPAGE	Advertisement column on the right hand side of the homepage and regular newsfeed	1500€		X
UNIVERSITY AD	Ad for training opportunities in the job area of the homepage	500€		
PACKAGE	Full page colour ad in 2 issues of EGJ, GeoNews and Homepage.			3500€

EFG THANKS ITS CURRENT SPONSORS ROCKWARE ([WWW.ROCKWARE.COM](http://WWW.ROCKWARE.COM)) AND MOL ([WWW.MOL.HU/EN](http://WWW.MOL.HU/EN)) FOR THEIR SUPPORT.





European Federation of Geologists  
Rue Jenner 13 - B-1000 Brussels  
[www.eurogeologists.eu](http://www.eurogeologists.eu)