

Task Group on Global Geoscience Professionalism
c/o European Federation of Geologists
Belgian Geological Survey
Rue Jenner 13, 1000 Brussels, Belgium

Please reply to:
Ruth Allington (Chairperson) rutha@gwp.uk.com

13 January 2019

International Union of Geological Sciences Executive Committee
Attention: IUGS Secretariat

Dear Colleagues

Re: Task Group on Global Geoscience Professionalism – 2018 Annual Report and 2019 Work Plan and Budget

In reply to the annual request from the IUGS Secretariat¹, the 2018 annual report of activities for the Task Group on Global Geoscience Professionalism (TG-GGP or “Task Group”), including its 2019 work plan, budget and funding request, is submitted with this letter.

As you know this Task Group was formed in August 2012, and 2018 was its sixth full year of operation. The Task Group maintains a website at www.tg-ggp.org, and a comprehensive set of documents evidencing its origins and activities may be found in a dedicated Dropbox folder².

In 2018, the Task Group primarily focused on consolidating progress and projects established in earlier years (particularly arising from 35IGC in Cape Town) and members were active participants in RFG2018 in Vancouver (June 2018). In September 2018, an Ad-hoc Review Committee (“ARC”) was appointed by the Executive Committee of IUGS (“EC”) to conduct a review of TG-GGP’s activities and achievements and report to the EC accordingly. In line with the recommendations of the ARC³, we have spent the final 2 months of the year developing a strategic plan for our activities in the next three years. We have developed our work plan, budget and funding request for 2019 based on this strategic plan

In March 2018, the Task Group was notified that it had been allocated \$2,500 (USD) for its 2018 activities; a significant reduction compared with previous years and insufficient to cover all of the budgeted activities for which financial support had been requested. **For 2019, we are requesting increased IUGS financial support in the amount of \$6,650 (USD)** to cover the non-voluntary contributions to our 2019 work plan. A full justification for this request is set out in this report (Section 2, Table 7), cross-referenced to our 3 year strategic plan, which is also sent with this letter.

On 10th January 2019, by email from the Secretary General, IUGS constituent groups (including TG-GGP) were asked to include in their annual reports a preliminary budget for 2020, specifically for planned activities relating to participation in 36IGC in March 2020. This request has arrived before our report has been fully finalised and therefore we have been able to incorporate our provisional 2020 budget and preliminary funding request in the report itself (Section 3, Table 9). **At this stage, our funding requirements relating to participation in 36IGC are expected to be approximately \$4,200.**

In addition to financial support, and given the ARC’s recommendations to the EC relating to improving engagement of IUGS with professional matters, we respectfully request that the Executive Committee appoints one of its members to be a principal point of contact with the Task Group. We would anticipate inviting an EC appointed representative to participate in Task Group meetings and activities, so as to foster closer engagement of IUGS on professional matters as recommended by the ARC.

¹ Emails from the Secretary General of IUGS dated 4th October and 5th December 2018

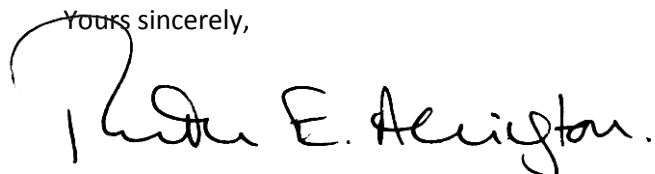
² https://www.dropbox.com/sh/ac77vm7p5rgsnhb/AABQKu273_Cg8mXD-M8Fw2p2a?dl=0

³ Received for our review and comment on 12th November 2018

The TG-GGP's report and strategic plan will be presented to the EC in Beijing by Mr Vitor Correia, who is the current President of the EFG (one of the founding organisations of TG-GGP). As part of succession planning/management, Mr Correia has recently become an EFG representative on TG-GGP with the objective of providing a substantial handover period before I plan to step down in 2020.

We trust this letter and its attached report and strategic plan meet your requirements. Should you have any questions or require any additional information please do not hesitate to get in touch with me and/or take the opportunity to ask them directly during the EC meeting in Beijing.

Yours sincerely,



Eur Geol Ruth Allington, FGS, C.Geol, FIMMM, C.Eng
Task Group Chairperson and EFG representative

Task Group on Global Geoscience Professionalism – 2018 Annual Report of Activities, and 2019 Work Plan and Budget

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1 2018 ANNUAL REPORT OF ACTIVITIES

Throughout 2018, the Task Group on Global Geoscience Professionalism (Task Group or TG-GGP) has continued work targeted directly at the aims originally set out in its accepted proposal to IUGS (July 2012)⁴ and developed further in the Strategic Plan 2019-2021 (submitted at the same time as this report).

PROGRESS SUMMARY

Key activities of note during 2018 comprised:

Promotion of the principles and practice of professionalism in the geological sciences

- Task Group meetings *via* Go-To-Meeting (and one in-person meeting at RFG2018 Vancouver), as well as regular email communication throughout the year on a variety of topics. In addition, in the first 6 months of the year, there were discussions, correspondence, and final programme planning between members of the Task Group involved in programme planning and presentations at RFG2018.
- Oliver Bonham (Secretary of TG-GGP)⁵ was a member of the both the Steering Committee and the Program Committee for the IUGS-sponsored RFG2018 (*Resources for Future Generations*) conference in Vancouver, in June of 2018. Through his engagement, professionalism was a cross-cutting strand at this inaugural event in IUGS' new inter-IGC conference series and the list of sessions and short-course offerings reflects this.
- Ruth Allington (Chairperson of TG-GGP)⁶ gave an invited plenary speech at the 5th Slovenian Geological Congress on 4th October 2018. This was entitled "*Breaching the boundaries between Science and Profession - an imperative for geoscience in the service of society*" and was an abridged and updated version of the invited plenary lecture first presented at 35IGC in Cape Town in 2016.
- Members of the Task Group made presentations in and/or convened sessions focusing on geoscience professionalism at RFG2018 (Vancouver, June 2018). At RFG2018, Task Group members participated in and/or were organizers for the following sessions (some were in several parts):

⁴ [Link to 2012 proposal document](#)

⁵ Representative of Task Group member Geoscientists Canada.

⁶ Representative of Task Group member EFG

- *Early Career Program Panel Discussions - Professional Reliance – Navigating the Professional Aspect of Your Career in Science*
- *EK1: Public Engagement in Earth Science*
- *EK14: Attracting Earth Science Educators*
- *EK17: Bridging the Gap: Skills Training for Geoscience Graduates*
- *RS8: Geoethics and Responsible Conduct of Scientists (IAPG)*
- *RS9: Geoethics in Georisks Management for a Safer and More Resilient Society (IAPG)*
- *RS13: Geoethics and Environmental and Social Responsibility: Doing the Right Thing to Develop Resources for Future Generations*
- *RS39: Exploration Activities Communication and Public Engagement In Populated Regions RS4: Regulating the Profession of Geoscience*
- *RS40: Sustainable Mineral Resource Management: Role of International Resource / Reserve Reporting Codes*
- In addition to RFG2018, a range of other presentations were also made during the year by Task Group members on professionalism in geosciences as is set out in more detail in Annex 1.
- Isabel Fernandez (Treasurer of TG-GGP)⁷ was appointed by the Task Group as Communications Officer in November 2018, tasked with ensuring dissemination on social media and *via* IUGS channels and member organisations of news of the Task Group's activities and publication of articles and papers on professionalism in the geosciences. Initial items of news were provided for the IUGS e-Bulletin in December (for publication in early 2019) and posted on the IUGS website⁸. Regular posting of the news and articles from the Task Group is a specific action identified in the Strategic Plan 2019-2021⁹.
- Although minor updates and adjustments were made to the Task Group website at www.tg-ggp.org, the planned re-design and launch of a revamped website on a new platform was put on hold during the year given reduced funding available. Development of the website is a specific action in the 2019-2020 Strategic Plan¹⁰.
- Members of the Task Group were, as usual, involved in bringing content to sessions of EGU 2018 in Vienna in April organised by the IAPG, and close links between the Task Group and IAPG have been maintained through the year.

Professional practice support to the geoscience community

- By email dated 3rd January 2019 (Annex 2), the Task Group (as the body within IUGS with responsibility for professionalism), was formally invited to participate with the UNECE "Competent Person Task Force" to identify common requirements and standards for professional geoscientists and thereby contribute to the development of a competency framework for professionals using the United Nations Framework Classification for estimation of a wide range of natural resource quantities. Taking up this invitation is a specific action incorporated in the 2019-2021 Strategic Plan¹¹.
- Task Group member The European Federation of Geologists (EFG) completed two large resources policy related projects in 2018 that are relevant to professionalism in geoscience in Europe, with connections to the broader international arena. These were INTRAW (<http://intraw.eu/>), which EFG coordinated, and MINATURA 2020 (<http://minatura2020.eu/>), in which EFG was the consortium member with responsibility for dissemination and communication. Members of the Task Group are closely involved in the INTRAW legacy project: *The International Observatory on Raw Materials*, (<https://intraw.eu/>) which completed its first year of operation in November 2018. This aims to foster closer inter-disciplinary international collaboration between organisations (including geoscience organisations) involved in the current and future supply of raw materials and is anticipated to be a forum for discussions and research. Some of the member organisations of TG-GGP are founding members of the Observatory. Its objects are highly relevant to the themes of RFG2018 and to a number of TG-GGP's strategic aims. EFG is also active

⁷ Representative of Task Group member EFG

⁸ http://iugs.org/uploads/Reports/IUGS_Task%20Group_Global_Geoscience_Professionalism_December_2018.pdf (posted 17th December 2018)

⁹ Action I-A

¹⁰ Action I-C

¹¹ Action II-A

as a partner in a number of other H2020 project consortia where it can contribute expertise in dissemination and awareness raising of professionalism in geoscience and promoting the outputs of the projects to professional geoscience practitioners.

- Representing Task Group member American Institute of Professional Geologists (“AIPG”), Barbara Murphy has coordinated the compilation of a database of Task Group meetings and conference calls and members’ publications, presentations, and participation in conferences and working groups relevant to the aims of the Task Group – the most recent version of this is in the Task Group Dropbox folder¹². This compilation includes initial member meetings to form the TG-GGP, listings of conference involvement and presentations, the minutes of the Task Group Go-to-Meeting conference calls or in-person meeting, and illustrates the ongoing dedicated work of the Task Group members. Development of this as a web-based resource is a specific action incorporated in the 2019-2021 Strategic Plan¹³.
- An online survey of Task Group member entities was completed that has assembled baseline information on how each entity operates as a professional body. This captures comparative information on such topics as: structure and constitution, member categories, admissions requirements, code of ethics and codes of conduct and the use of practice guidelines. Upon completion this will provide the IUGS, the Task Group and all their respective member entities with a valuable global benchmark for ongoing reference and future refinement. The information from this survey will provide the basis for development of a web-based directory of national regulation and organisation of professional geoscience around the world, as a specific action in the 2019-2021 Strategic Plan¹⁴.
- A sub-committee, led by Aaron Johnson of AIPG, was formed in 2017 and has made some progress in 2018 assembling information on the different CPD (Continuing Professional Development) programmes in use in geoscience professional bodies around the world. The study aims to understand the range of approaches to mandatory annual CPD reporting, criteria applied, and how hours of participation are variously accounted for, etc. The objective was to issue a best practices guideline on CPD in during 2018, but lack of resources to support the analysis and presentation of the data has led to this being deferred – it is a specific action incorporated in the 2019-2021 Strategic Plan¹⁵.

TASK GROUP MEMBERSHIP AND ADMINISTRATION

The Task Group is co-ordinated by professional geoscience organisations with similar aims and objectives. In addition, as noted in the summary above and in previous annual reports, we work with a range of international organisations with interests relevant to the promotion, regulation, and support of professionalism in geoscience as collaborating organisations.

Except on very rare occasions, the Task Group meets using web-based remote meeting arrangements (GoToMeeting) and communicates via e-mail.

Professional Geoscience Organisations

The Task Group’s work is co-ordinated and led by an Executive Committee comprising Officers representing the professional geoscience organisations listed below. The Task Group members routinely provide information to their professional geoscience organisation membership and frequently develop program content at their professional meetings to include many of the global topics of the Task Group as well as providing printed material about the Task Group and its web site for further information.

In 2019, it is hoped that we can encourage additional national participation in the Task Group to further increase geographical coverage, and we will continue to consult with colleagues in international organisations (including CRIRSCO¹⁶, the IUGS (both EC and constituent bodies and organisations), UNECE etc) to identify appropriate geoscience organisations in new member countries and candidate member countries. In addition to those who joined the Task Group in 2018, there is further interest from national-level professional geoscience organisations

¹² [Link to TG-GGP activities master-list 2012 to date](#)

¹³ Action I-D

¹⁴ Action II-F

¹⁵ Actions II-G and II-H

¹⁶ Committee for Mineral Reserves International Reporting Standards

that are already represented as part of an organisation with continent wide coverage (e.g. EFG national member associations).

The membership of the Task Group has grown year-on-year since its formation and this continued in 2018; it now stands at 16 professional geoscience organisations, as is set out in Table 1.

Table 1: *Current member organisations of TG-GGP*

From Year	Organization	Country/region	Contacts	Position
2012	American Institute of Professional Geologists, AIPG	USA	Barbara Murphy	Past President (2012)
			Aaron W. Johnson	Executive Director
	Australian Institute of Geoscientists, AIG	Australia	Kaylene Camuti	Past President
			Wayne Spilsbury	
	European Federation of Geologists, EFG	Europe	Ruth Allington	Past President
			Vitor Correia	President
			Isabel Fernandez	Executive Director
	Geoscientists Canada (formerly CCPG)	Canada	Ollie Bonham	Past CEO
			Andrea Waldie	CEO
2013	Colegio de Geólogos de Bolivia	Bolivia	Osvaldo Arce	President
	GSSA, The Geological Society of South Africa	South Africa	Tania Marshall	VP Professional Affairs
			Dr. Craig B Smith	Executive Manager
			Ed Swindell	President
2015	Masyarakat Geologi Ekonomi Indonesia (MGEI)	Indonesia	Arif Zardi Dahlius	Chairman
			Sukmandaru Prihatmoko	
2016	Colegio de Geologos de Chile	Chile	Lucia Cuitiño Gallegos	
			Alejandra Avila	
	National Association of State Boards of Geology (ASBOG)	USA	John Williams	Past President
			Deana Sneyd	ASBOG Executive
	Sociedad Colombiana de Geología	Colombia	Alberto Ochoa Yarza	
			Clemencia Gomez	President
2018	South African Council for the Natural Scientific Profession	South Africa	Pradesh Rampersadh	SACNASP Executive Director
	Association of Greek Geologists	Greece	Xenofon Stavropoulo	AGG President
	Geological Society of London, GSL	UK	John Talbot	GSL Vice President, Chartership
	Hungarian Geological Society	Hungary	Péter Pál Scharek	
	Official Spanish Association of Professional Geologists, ICOG	Spain	Carlos Garcia Arroyo	ICOG Vice President
	Professional Association of German Geoscientists, BDG	Germany	Hans-Jürgen Weyer	BDG Executive Director

The Officers appointed from this group (see Table 2 below) drive the day-to-day affairs of the Task Group. They will continue to serve until the next IGC in 2020. However, over the next two years, in anticipation of the change of officers in 2020, successors will be identified and encouraged to take an active part in the running of the group so as to facilitate a smooth transition and ongoing renewal to take place in Executive Committee membership. It is up to participating professional geoscience organisations to follow their own internal procedures for nominating representatives to serve on the Task Group Executive Committee. Generally there are up to 2 people representing each member organisation, with more where handover (as part of succession planning) is taking place).

Table 2: TG-GGP's Executive Committee - Officers

Chairperson Eur Geol Ruth Allington , C.Geol, C.Eng, (UK) Past President (2009-2013) European Federation of Geologists Joint Senior Partner GWP Consultants LLP Upton House, Market Street Charlbury, Oxfordshire, OX7 3PJ United Kingdom Tel: +44 (0)1608 810374 Fax: +44 (0)1608 810093 Email: RuthA@gwp.uk.com	Vice Chair Barbara H. Murphy , RG, CPG (USA) 2012 President American Institute of Professional Geologists Senior Geologist Clear Creek Associates 6155 E. Indian School Road #200 Scottsdale, AZ 85251 USA Tel: +1-480-659-7131 Fax: +1-480-659-7143 Email: BMurphy@clearcreekassociates.com
Secretary Oliver Bonham , P.Geo (Canada) Former Chief Executive Officer/Chef de la direction Geoscientists Canada/Géoscientifiques Canada 200- 4010 Regent St, Burnaby, B.C., Canada V5C 6N2 Tel: 604-412-4888 Fax: 604-889-3529 Email: olliebonham@gmail.com	Treasurer Dr. Isabel M Fernández Fuentes , EurGeol, (Belgium) Executive Director European Federation of Geologists Rue Jenner 13, 1000 Brussels, Belgium c/o Belgium Geological Survey Tel: +32(0)2 7887636 Fax: +32(0)2 6477359 Email: i.fernandez.efg@outlook.com

Collaborating organisations

The Task Group aims to create a network, not only with very wide geographical coverage but also bringing together organisations with interests relevant to the promotion, regulation and support of professionalism in geoscience. We are referring to these organisations as “collaborating organisations”. The current list of organisations with which we are already in contact or to which approaches are planned is as follows:

Table 3: TG-GGP's collaborating organisations

Collaborating organisation	Geographic area
African Association of Women in Geosciences(AAWG) (www.aawg.org)	Africa
Committee for Mineral Reserves International Reporting Standards(CRIRSCO) (www.criresco.com)	International
Young Earth Scientists Network(YES Network) (www.networkyes.org)	International
International Association for Promoting Geoethics (IAPG) (www.iapg.geoethics.org).	International
American Geosciences Institute (AGI) (www.agiweb.org)	North America
UNECE Expert Group on Raw Materials, specifically the Competent Person Task Force of UNFC (https://www.unece.org/energy/welcome/areas-of-work/unfc-and-resource-management/areas-of-work.html)	International (based in Geneva)

The Task Group aims to continue to increase this list of collaborating organisations in 2019 and beyond and also to build on initial contacts listed above to work on projects and initiatives – especially in relation to continuing to expand our website to provide a range of accessible and up-to-date information of interest to a wide range of geoscientists internationally as they anticipate a professional career in geoscience or to support their established geoscience careers (whether in academia, government, or industry).

2018 FUNDING AND EXPENDITURE

The Task Group was notified in March 2018 that funding in the amount of \$2,500 (USD) for 2018 had been allocated by the Executive Committee. This is gratefully acknowledged. During the past year, \$3,546 was spent on the activities of the Task Group (see summary below). The expenditure in excess of the \$2,500 allocated by IUGS is currently being covered by deferred payment of expenses to Ruth Allington and Barbara Murphy.

Table 4: Summary of Task Group (TG-GGP) Expenditure – 2018

Item	USD
Geoscientists Canada – TG-GGP website hosting	\$250
GoToMeeting (web based conferencing used for meetings)	\$375
Payment of travel expenses for attendance at RFG2018: Ruth Allington (Chairperson) – 50% of actual costs Barbara Murphy (Vice-Chair) – a contribution towards actual costs	\$1750 \$500
Travel and accommodation expenses, R. Allington and I. Fernandez for attendance at ARC review meeting (London, September 2018)	\$723
TOTAL	\$3546

In addition to the actual expenditure summarised above, each of the participating organisations, the employers of the representatives on the Task Group, and the representatives themselves contributed substantial support by covering travelling expenses, abstract submission fees, staff time for administration, and time off for volunteers to participate in the work of the Task Group.

2 2019 WORK PLAN AND FUNDING REQUEST

Activities during 2019 will be in accordance with the Strategic Plan 2019 to 2021. The Strategic Plan submitted with this report identifies a number of core/continuing activities as summarised in Table 5 below.

Table 5: Core/continuing activities of TG-GGP in 2019

Strategic aims to which the actions are relevant	Strategic Plan references ¹⁷	Description of core/continuing activities
1. Communication and dissemination	Action I-A.	Submit at least one piece of TG-GGP news to each E-bulletin of IUGS and one article on professionalism per year in <i>Episodes</i> . Disseminate news items also through TG-GGP and member organisation websites and social media.
	Action I-B.	Make and implement an annual plan to convene and co-convene sessions and make presentations on professional practice matters at international, national, and regional geoscience conferences (in 2019, plan for 36IGC in 2020).
	Action I-F.	In addition to Action I-A, write and disseminate at least one article or paper about professional practice matters in geoscience in international journals/periodicals, and/or in member organisation publications.
2. Networking and strengthening the Task Group	Action I-H.	Engage all member organisations of TG-GGP in its work – seeking their views on what they want to get out of belonging and what they are prepared to put in, and supporting representatives to report back to their home organisations.
	Action I-I.	Identify additional organisations within the IUGS family with which TG-GGP has commonalities and/or that TG-GGP can assist and work with to further the “Service to Society” aims of IUGS. This action will prioritise making connections with China and other SE Asian countries (suitable contacts to be identified with assistance from IUGS secretariat and other contacts in the region).
3. Grow the Task Group membership	Action I-K.	Based on networking activities, enlist geoscience organisations not traditionally associated with ‘professional’ geoscience as members of the TG-GGP network and promote and/or support creation of such organisations, especially identifying potential members from the IUGS membership countries (see Action I-H).

In addition to the continuing/core activities that are identified in the Strategic Plan, three specific projects are planned (subject to resources being available to execute them) in 2019. These are summarised in Table 6 below.

¹⁷ See Strategic Plan, Sections 3 and 4

Table 6: Projects planned in 2019

2019 projects	Strategic Plan references ¹⁸	Description of 2019 projects
Project 2019-A	Goal I ¹⁹ , Aim 1 ²⁰ , Action I-C.	Redesign and re-launch TG-GGP website to improve functionality and support other strategic priorities.
Project 2019-B	Goal II ²¹ , Aim 4 ²² , Action II-A.	Participate with the UNECE “Competent Person Task Force” to identify common requirements and standards for professional geoscientists and contribute to the development of a competency framework for professionals using the United Nations Framework Classification for estimation of a wide range of natural resource quantities.
Project 2019-C	Goal II, Aim 6 ²³ , Action II-G.	Analyse CPD/mentoring data, and report findings to Task Group and in articles and presentations disseminated to the wider community (especially students, academia and HR).

Table 7 provides an outline of the activities to which funding will be directed during 2019, if approved by IUGS, and identifies planned expenditure in addition to the voluntary and in-kind support of the member organisations of \$6,650. **TG-GGP therefore requests financial support of \$6,650 to fulfil its core/continuing activities and the three special projects it has identified for 2019.**

Table 7: Budget for 2019 and funding request

2019 planned activities (for more detail, see TG-GGP Strategic Plan 2019-2021)		Expenditure (in USD)
FUNDING REQUIRED TO SUPPORT CORE/CONTINUING ACTIVITIES		
Routine website content management and production of posters and pamphlets for conferences and meetings	<i>Financial support requested would be matched funding for organisation providing a member of staff to undertake this work as and when needed</i>	\$500
Web-hosting costs	<i>Financial support requested is the actual cost of web-hosting</i>	\$250
Online meeting - software licence	<i>Financial support requested is the actual cost of online meeting software licence</i>	\$400
Travel subsidies for 4 individuals to attend and present on professional matters at 1 conference each	<i>Financial support requested is for up to \$500 per conference</i>	\$2,000
SUB TOTAL CORE/CONTINUING ACTIVITIES		\$3,150
FUNDING REQUIRED TO SUPPORT 2019 SPECIFIC PROJECTS		
PROJECT 2019-A: Redesign and re-launch TG-GGP website to provide functionality to support strategic actions	<i>Financial support requested to pay web designer/developer</i>	\$1,500
PROJECT 2019-B: Participate fully with UNECE “Competent Person Task Force” in an advisory role and providing benchmarking	<i>Financial support requested to pay for one individual to travel to Geneva in April for face to face meetings of the Expert Group and the CP Task Force</i>	\$650
PROJECT 2019-C: Analysis and reporting of CPD/mentoring research and wider dissemination	<i>Financial support requested to pay for services of a researcher to compile and analyse results</i>	\$1,350
SUB TOTAL 2019 SPECIFIC PROJECTS		\$3,500
TOTAL PLANNED EXPENDITURE IN ADDITION TO THE VOLUNTARY AND ‘IN KIND’ INPUTS THAT WILL BE MADE BY MEMBERS OF THE TASK GROUP		\$6,650

¹⁸ See Strategic Plan, Sections 3 and 4

¹⁹ Goal I: Promote the principles and practice of professionalism in the geological sciences

²⁰ Aim 1: Communication and dissemination

²¹ Goal II: Offer tangible professional practice support across the IUGS and beyond to all parts of the geoscience community

²² Aim 4: Common definitions and professional codes and standards

²³ Aim 6: Mentoring and CPD schemes

3 PROVISIONAL 2020 WORK PLAN AND OUTLINE BUDGET

In addition to the continuing/core activities that are identified in the Strategic Plan, three specific projects are planned (subject to resources being available to execute them) in 2020. These are summarised in Table 8 below.

Table 8: Projects planned in 2020

2020 projects	Strategic Plan references ²⁴	Description of 2020 projects
Project 2020-A	Goal I ²⁵ , Aim 1 ²⁶ , Action I-D.	Create and maintain on TG-GGP website an open source record of presentations and articles relevant to professionalism in geoscience and their status (planned, delivered <i>etc</i>), including active links to the presentation materials and other resources produced by the Task Group and by others (dependent on completion of Action I-C).
Project 2020-B	Goal I, Aim 1, Action I-E.	Create a set of (approximately 4) core slides on the fundamentals of professional geoscience practice and the aims and objectives of the IUGS concerning professionalism for TG-GGP members to include in presentations.
Project 2020-C	Goal II, Aim 6 ²⁷ , Action II-H.	Create templates and guidance materials based on best international practice for mentoring and CPD schemes (fundamental principles, documents/materials).

Detailed planning (and therefore budgeting) for these projects will necessarily take account of progress with the 2019 projects which, in turn, will be influenced by resources (especially financial support) available to the Task Group in 2019. Nevertheless (and as requested by the EC *via* the Secretary General on 10th January 2019, we have created a preliminary 2020 budget, assuming that our activities in 2019 proceed as planned. Table 9 provides an outline of the activities to which funding is expected to be directed during 2019, if approved by IUGS; it identifies planned expenditure in addition to the voluntary and in-kind support of the member organisations of \$6,850. **TG-GGP therefore provisionally expects to request financial support of \$6,850 to fulfil its core/continuing activities and the three special projects it has identified for 2020. Of this, \$4,200 would be to support TG-GGP's participation in 36IGC, through convening and co-convening sessions on professional matters.**

Table 9: Provisional budget for 2020 and preliminary funding request

2020 planned activities (for more detail, see TG-GGP Strategic Plan 2019-2021)		Expenditure (in USD)
FUNDING REQUIRED TO SUPPORT CORE/CONTINUING ACTIVITIES		
Routine website content management and production of posters and pamphlets for conferences and meetings	<i>Financial support requested would be matched funding for organisation providing a member of staff to undertake this work as and when needed</i>	\$500
Web-hosting costs	<i>Financial support requested is the actual cost of web-hosting</i>	\$250
Online meeting - software licence	<i>Financial support requested is the actual cost of online meeting software licence</i>	\$400
Travel subsidies for 5 individuals to attend and present on professional matters at 36IGC and 50% cover of the Chairperson's travel costs for attendance at 36IGC	<i>Financial support requested is for up to \$500 per conference for 5 individuals and 50% of the Chairperson's cost of attendance at the congress (estimated at \$1,700, based on recent costs of RFG2018)</i>	\$4,200
SUB TOTAL CORE/CONTINUING ACTIVITIES		\$5,350
FUNDING REQUIRED TO SUPPORT 2020 SPECIFIC PROJECTS		
PROJECT 2020-A: Create and maintain on TG-GGP website an open source repository of articles, guidance, and other materials produced by the Task Group	<i>Financial support requested to pay for uploading interactive searchable database on website</i>	\$500
PROJECT 2020-B: Create core presentation slides on professionalism	<i>No financial support necessary</i>	\$0

²⁴ See Strategic Plan, Sections 3 and 4


²⁵ Goal I: Promote the principles and practice of professionalism in the geological sciences

²⁶ Aim 1: Communication and dissemination

²⁷ Aim 6: Mentoring and CPD schemes

2020 planned activities (for more detail, see TG-GGP Strategic Plan 2019-2021)		Expenditure (in USD)
PROJECT 2020-C: Create templates and guidance materials based on best international practice for mentoring and CPD schemes.	<i>Financial support requested to pay for services of a designer to create physical and e-documents for dissemination</i>	\$1,000
SUB TOTAL 2019 SPECIFIC PROJECTS		\$1,500
TOTAL PLANNED EXPENDITURE IN ADDITION TO THE VOLUNTARY AND 'IN KIND' INPUTS THAT WILL BE MADE BY MEMBERS OF THE TASK GROUP		\$6,850

Respectfully submitted



Ruth E. Allington.
 Eur Geol Ruth Allington, FGS, C.Geol, FIMMM, C.Eng
 Task Group Chairperson and EFG representative

ANNEX 1: LIST OF TASK GROUP ACTIVITIES IN 2018

IUGS Task Group on Global Geoscience Professionalism: Summary of Activities 2012 to date
ACTIVITIES IN 2018

Last updated 10/01/2019

Date	Presenter/participant names	Affiliation(s)	Email	Activity (meeting or presentation or other)	Title of Presentation (include authors)	Name of Conference and Location (estimated conference registration)
2018-03-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Article for the Professional Affairs Corner in the Geobulletin, a quarterly news publication of the GSSA	An introduction to professionalism in the geosciences	
2018-03-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to South African Council for Natural Scientific Professions (SACNASP)	Professionalism in the Geosciences	SACNASP quaterly Board meeting, Management Enterprise Building Suite L4, Mark Shuttleworth Street, Innovation Hub, Pretoria, South Africa
2018-04-10	Representatives of TG-GGP member organisations			TG-GGP Conference Call/ Go-to-Meeting		Hosted via GoToMeeting by EFG Brussels, Belgium
2018-04-19	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to WimSA (Women in Mining, South Africa) members	Professionalism for WimSA members (Tania Marshall)	3M, 146 Kelvin Drive, Woodmead, Johannesburg, South Africa.
2018-05-31	Barbara Murphy	AIPG: American Institute of Professional Geologists	bmurphy@geo-logic.com	Participated as panelist (IUGS TG-GGP noted) AIPG-AGI webinar Geoscience Ethics Case Histories Conflicts of Interest	Geoscience Ethics Case Histories Conflicts of Interest by David Abbott with Barbara Murphy, Skip Hobbs, Sara Pearson, Jon Price, and Betsy Suppes	AIPG-AGI webinar Geoscience Ethics Case Histories Conflicts of Interest
2018-06-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to workshop delegates: industry & government professional geoscientists, academics, early career geoscientists, students	The role of the GSSA in promotng Professionalism for Competent Persons (Tania Marshall)	An introduction to SAMREC, SAMVAL and JSE Reporting Practices Workshop, Glenhove Conference Centre, Johannesburg, South Africa
2018-06-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to workshop delegates: industry & government professional geoscientists, academics, early career geoscientists, students	1. Reporting of Diamond Exploration Results, Diamond Resources and Diamond Reserves. 2. How to compile a CPR for the JSE	An introduction to SAMREC, SAMVAL and JSE Reporting Practices Workshop, Glenhove Conference Centre, Johannesburg, South Africa

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2018-06-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to workshop delegates: industry & government professional geoscientists, academics, early career geoscientists, students	Reporting of Diamond Exploration Results, Diamond Resources and Diamond Reserves	SAIMM: Diamonds - Source to Use Conference, Johannesburg South Africa
2018-06-18	Oliver Bonham	Engineers & Geoscientists BC	olliebonham@gmail.com	Presented TG-GGP information talk to geoscience community conference audience/ with Q&A following. Talk joint authored with Ruth Allington and Ed Swindell	"Promoting and Regulating the Responsible Conduct of Geoscientists - the Role of Codes and Standards"	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)
2018-06-19	Ollie Bonham	Geoscientists Canada	olliebonham@gmail.com	Ollie Bonham on organizing committee	N/A	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)
2018-06-19	Ruth Allington	Chairperson TG-GGP, EFG	rutha@gwp.uk.com	Presented TG-GGP information talk to geoscience community conference audience/ with Q&A following.	EK17: "The essential elements of professional practice standards in geoscience and the importance of acquisition of appropriate skills" Ruth Allington, Barbara Murphy	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)
2018-06-19	Ruth Allington	Chairperson TG-GGP, EFG	rutha@gwp.uk.com	Presented TG-GGP information talk to geoscience community conference audience/ with Q&A following.	Session RS8: Geoethics and responsible conduct of scientists: "Promoting and regulating the responsible conduct of geoscientists – the role of codes and standards"	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)
2018-06-19	Barbara Murphy	AIPG: American Institute of Professional Geologists	bmurphy@geo-logic.com	Talk Presentation	Public Perceptions of What Geoscientists Do – The Role of Professional Geoscience Organizations in Communicating What a Geologist Does - Barbara Murphy, Vice Chairperson, IUGS TG-GGGP	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)

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2018-06-19	Many representatives of TG-GGP member organisations attending IUGS RFG2018			Task Group meeting while many members attending IUGS RFG2018		RFG2018, Resources for Future Generations, Vancouver Convention Center, Vancouver, BC, Canada (An IUGS Event)
2018-06-21	Barbara Murphy, Isabel Fernandez, Kaylene Comuti, Andrea Waldie	TG-GGP (representatives of AIPG, EFG, AIG, and Geoscientists Canada)		Participated Panel Discussion/ Gave presentation and responded to discussion	Professional Reliance - Navigating the Professional Aspect of Your Career in Science. Panel organized by Lindsay Steele	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)
2018-06-21	Kaylene Camuti	Australian Institute of Geoscientists (AIG)	lantana@beyond.net.au	Participated Panel Discussion/ Gave presentation and responded to discussion	Professionalism & Australian Geoscientists (Kaylene Camuti, Member IUGS TG-GGP)	RFG2018, Resources for Future Generations, Vancouver Convention Center, BC, Canada (An IUGS Event)
2018-07-19	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to geoscience community conference with Q&A	What does it mean to be a professional geoscientist	Geocongress 2018, University of Johannesburg, South Africa
2018-08-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to workshop delegates: industry & government professional geoscientists, academics, early career geoscientists, students	1. Reporting of Diamond Exploration Results, Diamond Resources and Diamond Reserves. 2. Reporting of Exploration Results 3. How to compile a CPR for the JSE	Advanced SAMCODES workshop. University of the Witwatersrand, Johannesburg, South Africa
2018-09-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Article for the Professional Affairs Corner in the Geobulletin, a quarterly news publication of the GSSA (contributed by SACNASP)	Professional registration at SACNASP	Professional registration at SACNASP

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2018-09-26	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to early career geoscientists, students	Professionalism in the Geosciences	Bridge the Gap, University of the Witwatersrand, South Africa
2018-09-26	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to workshop for GSSA/SACNASP registered members	CPD for GSSA members (Tania Marshall)	CPD Workshop, Mandela Mining Precinct, Johannesburg, South Africa
2018-10-04	Ruth Allington	Chairperson TG-GGP, EFG	rutha@gwp.uk.com	Invited plenary lecture	Breaching the boundaries between Science and Profession - an imperative for geoscience in the service of society	5 th Slovenian Geological Congress, Valenja, Slovenia
2018-10-18	Ken Lomborg	GSSA	marshall.tania@gmail.com	Presentation to the delegation from The Mineral Resources and Reserves Evaluation Centre (MMREC) of the Ministry of Natural Resources of the P. R. of China	Reporting according to The SAMREC Code (with K Lomborg)	Overseas Training Programme in South Africa, hosted by the SAMCODES Standards Committee in Johannesburg and Cape Town, South Africa
2018-10-18	Tania Marshall	GSSA	marshall.tania@gmail.com	Presentation to the delegation from The Mineral Resources and Reserves Evaluation Centre (MMREC) of the Ministry of Natural Resources of the P. R. of China	The role of the Readers Panel at the JSE	Overseas Training Programme in South Africa, hosted by the SAMCODES Standards Committee in Johannesburg and Cape Town, South Africa

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2018-10-18	Ed Swindell	GSSA	edward.swindell@gmail.com	Presentation to the delegation from The Mineral Resources and Reserves Evaluation Centre (MMREC) of the Ministry of Natural Resources of the P. R. of China	The role of the Professional/industry organisations in Public Reporting - the GSSA	Overseas Training Programme in South Africa, hosted by the SAMCODES Standards Committee in Johannesburg and Cape Town, South Africa
2018-12-01	Tania Marshall	GSSA	marshall.tania@gmail.com	Article for the Professional Affairs Corner in the Geobulletin, a quarterly news publication of the GSSA	Continuing Professional Development for GSSA members	
2018-12-10	Representatives of TG-GGP member organisations			TG-GGP Conference Call/ Go-to-Meeting		

ANNEX 2: EMAIL DATED 3RD JANUARY 2019 INVITING PARTICIPATION IN UNFC COMPETENT PERSON TASK FORCE TO REPRESENT IUGS

Ruth Allington

From: Vitor Correia <vcorreia@apegeologos.pt>
Sent: 03 January 2019 18:40
To: Ruth Allington
Cc: isabel.fernandez@eurogeologists.eu; olliebonham@gmail.com; 'Harikrishnan TULSIDAS'
Subject: Advancement of common definitions in professional codes & standards

Dear Ruth

I am chairing the Competent Person Task Force established by the Expert Group on Resources Classification of UNECE, and we are now in the process of developing a competency framework for professionals using the United Nations Framework Classification.

We believe that we should seek alignment with existing competency systems, and I'm addressing you, as Chair of the IUGS Task Group on Global Geoscience Professionalism, because we'd like to start a dialogue on common requirements and standards for professional geoscientists that perform estimations of quantities or volumes of natural resources.

We believe that, through the engagement with the IUGS, such dialogue will be more inclusive, and we look forward to hearing you opinion and to define next steps.

With kind regards

Vitor

Vitor Correia / President
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