



A Meeting of the EFFC Council will be held at 14:00-17:00 13th October and 09:00-16:00 14th October at FNTP Building, 3 Rue de Berri, 75008 Paris, France.

President: Serge Borel France
Senior Vice President: Fabrizio Leoni Italy
Immediate Past President: Andreas Körbler Austria

Officers:

Bob Thompson UK
Boris Von Lübtow Germany
José Candela Spain

Working Group Chairs:

David Hard (Technical) UK
Federico Trevisani (Contracts) Italy
Lorenzo Alessi (Health & Safety) France
Chris Harnan (Sustainability) UK
David Major (Early Career) UK

Members:

Andrea Acerbi Italy
Lorenzo Alessi Italy
Maurice Bottiau Belgium
Luca Bruni Italy
Rasin Dizceer Turkey
Jaap Estié Netherlands
Kanan Garay Keller
Frank Haehning Germany
Christophe Justino France
Corrine Monnet France
Przemyslaw Nowak Poland
Thomas Pirkner Austria
Hubert Tomczak Poland
Wojciech Szwejkowski Poland

Associated Members:

Katarzyna Ria Zamara Tensar
Mattias Grävare Palanalysis
Franz-Werner Gerressen Bauer Mashinen
Johannes Rhomberg Liebherr
Nouffou Tapsoba Lafarge Holcim
Patrice Matton Lafarge Holcim

In Attendance:

Kathryn de Rochefort EFFC Secretariat
Ciaran Jennings EFFC Secretary

Owner	Action	Deadline
All	To send any photos and words on about Henck De Koning to pass onto his wife and children.	21 October
C Jennings	To ask the DFI about how the finances and how they will be split between the DFI and EFFC, given that the EFFC will be taking a larger organisational role.	4 th November
C Jennings	To circulate the General T&C's, Public Health Emergency and Retention Position Paper to the group.	28 th October
C Jennings	To add the status of all Eurocodes to the website.	28 th October
F Trevisani M Bottiau	Contract Working Group to re-energise the group with Maurice's presentation.	4 th October
C Jennings	To organise a meeting of the Mutual Recognition Task Group.	2 nd December
All	Federations to invite a person representing these ECGs to the next Executive Meeting in April.	27 th March
L Alessi	Lorenzo will develop the scheme to be presented and approved at the next Officer meeting in January.	24 th January
K de Rochefort	1. To circulate the first draft of the circular economy guide for comment.	ASAP
All	2. Everyone to offer their comments on the first draft by 21 st October.	21 st October
All	Provide Christophe Justino with sites where tests could be carried out within the next 6/9 months. Particularly > 30m depth and Diaphragm wall.	ASAP
All	National Federations to consider organising such a workshop during one of their general meetings or event.	Next Meeting
C Justino L Brunie	To clarify the status of calcinated clay within EN206.	Next Meeting

AGENDA		
Session 1: 14:00-17:00 13 th October 2022		
1.	<p>Welcome & Legal Compliance statement</p> <p>Andreas welcomed the members and stated that the purpose of the meeting was to discuss industry issues and not to engage in any way with the fixing of pricing or market activity.</p> <p>He thanked SOFFONS for hosting the meeting and Serge Borel and Corinne Monnet for their work in organising the programme.</p>	
2.	<p>Apologies for Absence</p> <p>Peter Vroom (Netherlands), David Hard (UK), Federico Trevisani (Italy), David Major (UK) and Jindřich Řičica (Czech Republic)</p>	

	<p>Ciaran announced to the group that Henk De Koning had passed away in September and asked the group think about words they may wish to say tomorrow with the intention of creating a book with pictures and comments for his wife Rosina and two children.</p>	
3.	<p>Minutes of the last meeting</p> <p>a) AGM Minutes (26th November 2021, virtual)</p> <p>The minutes of the previous meeting were approved.</p> <p>b) Executive Minutes (11th July 2022, virtual)</p> <p>The minutes of the Executive meeting were issued for information.</p>	
4.	<p>Report of the President</p> <p>Andreas thanked SOFFONs for the gala dinner and hospitality on Thursday evening and was pleased that we had gone to a venue that had a lot of meaning for the new President, Serge Borel. He also thanked José Candela for all his years of service on the Officers group and as President of the Federation.</p> <p>Andreas stated that he became President in 2019 and noted that the pandemic put a stop to many initiatives that he had intended to pursue.</p> <p>Andreas made special mention to the progress with the Rig Operator License and the testing of Working Platforms.</p> <p>He felt that it had been a frustrating presidency he had been unable to meet with everyone physically, whilst also running the Austrian Federation.</p> <p>He thanked his wife for her support as well as the members for volunteering their time to the EFFC.</p>	
5.	<p>Issues requiring a decision</p> <p>a) Finance</p> <p>1. Adoption of the 2021 Accounts (attached)</p> <p><i>I. Resolution: That the 2021 Accounts should be adopted</i> The accounts for 2021 were approved to be adopted.</p> <p>2. Appointment of Auditor</p> <p><i>II. Resolution: that Crane & Partners be reappointed as auditors of the EFFC accounts.</i></p> <p>The group approved continuing to use Crane & Partners as the auditors for the EFFC accounts.</p> <p>3. Financial Statement to Sept 2022</p>	

Ciaran ran through the budget, stating the budget for the coming year will be €66,930.00. We are awaiting the bill from FIEC, and we are anticipating an inflation increase.

Projected surplus of €7,750 if the secretariate fee remains the same.

€10,000 has been assigned for the Carbon Calculator but the DFI are required to pay half, so we may not need the full allocation. We have been chasing the money they didn't contribute during the time that they left the project, they have said about contribute more money in the future to even up the financial contributions.

€2,000 has been assigned for the Support Fluids and Tremie Guide groups each as they have restarted their activities, with the intention of them meeting this November.

€6,500 has been assigned to the Carbon Reporting Initiative due to the time that would be required from the secretariate to chase in the data and for development of the reporting outputs from PowerBI or similar software.

€5,000 has been set aside for the Rig Operator License in case we need to pay for any expenses or for an individual's time.

4. 2022 Budget and Subscriptions

Ciaran stated that there will be no changes to the subscriptions and costs will remain flat for 2023.

b) Confirmation of the Officers [This took place on Friday 14th in Session 2]

1. *President – Serge Borel (France – Soletanche Bachy)*
2. *Senior Vice President – Fabrizio Leoni (Italy – Trevi Spa)*
3. *Officer – Bob Thompson (UK – Keller)*
4. *Officer – Boris Von Luebtow (Germany – Züblin)*
5. *Officer – Przemyslaw Nowak (Poland – Aarsleff)*
6. *Immediate Past President – Andreas Körbler (Austria – Keller)*

All officers and the new president were proposed by Andreas Körbler and seconded by Bob Thompson. Andreas wished Serge Borel all the best for the next two years.

Serge thanked the Council for accepting him as the President and offered praise to Andreas for remaining President during the pandemic and thanked him for moving the EFC forwards and keeping it together through a very difficult time when its existence was threatened.

Serge gave his personal history to the group and set out his priorities. He stated that health safety is not about statistics, it is an attitude, Lorenzo will address this further later in the meeting.

The pace of sustainability has been forced by the pandemic and the energy crisis, but we may be forced to move sustainability forwards even faster.

Serge stated that the focus on early careers people is key, the future is about the young people in Universities and those starting in geotechnical companies.

	<p>Communication, among companies and federations is essential for the health of the EFFC. He stated that we are the first ambassadors in this room and need to ensure that communication is also a top priority; Including improving communication and relationships with associate members.</p> <p>Serge asked the group to focus on three imperatives</p> <ol style="list-style-type: none"> 1. To be pragmatic, to not duplicate what is done at National level but concentrate on the added value given by the European perspective. Innovate and find practical solutions to our challenges together 2. To deliver, EFFC guides are known among the industry, but they need wider distribution, as do other initiatives generated by the Federation. 3. To focus on people, without people we can achieve nothing, we need to be motivated and look to have more active participation on WGs. <p>Serge finished by thanking everyone for their trust in him as the next President.</p> <p>Eulogy to Henk de Koning Ciaran mentioned the loss of Henk De Koning and asked for everyone to offer anything they would like to say about Henk in his memory.</p> <p>Ciaran started by stating that Henk embodied the spirit of the EFFC, he was always the person you looked for at the bar/hotel on an EFFC event. On his first meeting travelling alone to Geneva, Dianne (previous and original EFFC Secretary) told him to look for Henk, because you will know that you are in the right place. And this proved to be true then and at all the other EFFC meetings he went to. Henk was a great contributor to the EFFC's work and championed it within the Dutch Federation and more widely.</p> <p>Ciaran said that Henk means 'King' in Dutch, and felt it was ironic that his funeral was on the same day as the UK Queen's. He reflected that the funeral was all that was being shown on the television that day in the UK, but it was Henk that he was thinking about. The said Henk was a friend, a colleague and the world is less without him.</p> <p>Ciaran asked the group to send any photos and words on about Henk so that he can produce a book to pass onto his wife and children.</p>	All
6.	<p>EFFC Strategy 2023-2028</p> <ul style="list-style-type: none"> • Strategic aims for next five years <p>Ciaran reported that members were asked to respond to a condensed version of the strategy.</p> <p><i>Sustainability roadmap</i> – We asked members to support the sustainability roadmap and to commit the Carbon Reporting Initiative, which Chris Harnan will report on later. Members have supported and since offered their support.</p> <p><i>Rig Operator license</i> – We have had issues with the EFFC Rig Operator License, Sweden and Spain raised issues with the License through FIEC, as they felt it would affect their own training processes. Germany have also raised concerns that FIEC may take control of the scheme and over complicate the process.</p>	

Serge suggested that it would be worth starting on a smaller scale and grow over time so that we can control the progress and accelerate it when we are ready. With regards to FIEC, it would be simpler to start independently. Our initiative could be a trial that FIEC could expand and adapt further and later to other rigs.

Jaap explained that our industry is too small for EU level, but when we met with a representative of the EU Commission, they were very interested that we were using an examination process to harmonise standards of competence. Through FIEC we can be recognised on a larger scale, but ultimately, we do not require funding from FIEC.

Frank suggested that all of the EFC federations signed up to the license in principle we can take it to the EU to gain its backing and recognition. Ciaran stated that the only way to achieve EU recognition would be to go via FIEC as they have formal status within the Social Dialogue. The alternative is to build up multilateral recognition at the level below this, however the challenge here is to define and run a quality assurance process that will meet the national legal criteria set by their authorities.

It was agreed that the first step shall be to bring together an initial group of Federations that want to recognise the scheme and to build mutual recognition from this point, involving the relevant national authorities.

Ciaran to organise a meeting of the Mutual Recognition Task Group

EFFC Early Careers Group – Andreas reported that forming ECG across the federations has not been very successful, but we will look at more later in the agenda.

Improving Working Platforms – Jim de Waele has been testing working platforms on site, a full update will be provided tomorrow. National federation have been in support of this, and some federations are developing their own working platform certificates.

The last thing we have asked of members is to promote EFFC webinars. The group had a general discussion about promoting the EFFC more widely as many people working within construction have never heard of the EFFC.

Ciaran presented the ten key strategic points to group and asked if they are still happy with the current points going forwards.

Jaap felt that sustainability should be expanded to cover where we are going with machines, and that the ECG should also have a clear path. Bob stated that in relation to machinery this was in the hands of the manufacturers as we do not have insight into which technologies are the most appropriate and promising.

Maurice presented a condensed version of the John Mitchell Lecture that he presented at the EFFC/DFI Berlin Conference.

Maurice stated that clients are increasingly expecting competitive bidding which means we are faced with more disputes. He believed we need to change the way the industry is currently working.

C Jennings

	<p>He argued that a more collaborative approach is needed in the industry with contractual models that do not seek to penalise the contractor but reflect that they are a critical part in addressing the challenges on site. He noted that there are also challenges created by the modern business environment, e.g., digitalisation. The digital age can help but only when we use it correctly, we need to evolve codes, practices and mind set so that we are transparent and that our role is respected rather this being used to transfer risk and liability. We need to work together across the board to help avoid disputes.</p> <p>The executives felt that this should be taken forwards with the Contract Working Group and likely to re-energise the group given that it has struggled recently to have a large amount of participation.</p>	<p>M Bottiau F Trevisani</p>
7.	<p>Coffee break (15:15)</p>	
8.	<p>Attracting talent – ECG proposal</p> <p>David Major was unable to attend the meeting, Andreas presented on his behalf.</p> <p>Andreas explained that a group of young university graduates have formed their own ECG in Austria and connected with the German ECG.</p> <p>Their goal is to get into contact with contractors to gain good contacts and give them the opportunity to break into the industry. Andreas thought this was an excellent example and suggested that Members reach out and connect with similar groups in their countries and invite them to the next Executive meeting.</p> <p>It was agreed to ask federations to invite a person representing these groups to the next Executive Meeting in April.</p>	<p>All</p>
9.	<p>DFI-EFFC Relationship</p> <p>a) Collaboration on working groups and projects</p> <p>Ciaran reported that the DFI have not been active within the sustainability WG to produce their input into the Carbon Reduction guide or move the other planned Guides forward, which was disappointing. The decision had therefore been taken for the EFFC to continue to produce its Guides as planned and not wait for the DFI. He noted on the Carbon Calculator, Tremie and Support Fluids groups and the conference the participation is still strong.</p> <p>b) Updates on conference</p> <p>Ciaran stated that the conference made €300 but more or less we have broken even overall, due to a lack of sponsorship packages being purchased. He noted that the pricing of these and the decision not to give an option to do day – only tickets would need to be looked at for the next conference.</p> <p>The DFI have agreed that they are happy for the next DFI/EFFC Conference in 2025 to avoid competing with ISSMGE in Austria in 2026.</p> <p>The location will be in Belgium, either Brussels or Bruges, the EFFC will take a greater organisational role as the DFI have a 50th anniversary event to plan, Maurice will help to spear head organisation with Belgium.</p>	

	<p>The group questioned if this would change the split of profits and the management fee, Ciaran will raise this with the DFI.</p>	C Jennings
10.	<p>Early Career Perspective</p> <ul style="list-style-type: none"> • Presentation from Kanan Garayev, Keller UK <p>Kanan stated that he started at Keller 6 years ago and holds a position as a Project Manager.</p> <p>He explained grouting techniques and that he started as a Senior Site Engineer on the Thames Tideway Project.</p> <p>Blackfriars Bridge Foreshore: first time using double-special jet grouting technology in the UK, reaching 52m in depth. Monte Carlo analysis was used to assess the site.</p> <p>Kana stated that one of the main challenges was that the site operated 24/7 which was exhausting and finding the necessary people to work three shifts over 4 months was very crucial learning curve.</p> <p>Serge questioned why not a diaphragm wall, Kanan highlighted that there were large Victorian buildings with businesses, a busy main road and Victorian sewage systems, using a diaphragm wall would have required closing a large section of central London, along with all of the other mitigating factors.</p> <p>London Power Tunnels: Chalk Grouting: tunnels running below South London for electricity. Fissure grouting was used to reduce the amount of chalk.</p> <p>Kanan explained that the site was very congested and presented high risks due to the number of electrical services beneath the site.</p> <p>HS2 S1-S2 Jet and Chalk Grouting: 50-60 operatives working underneath him and 12 hr shifts. Deepest holes were up to 70m deep, again using a double-special technique but on a bigger scale.</p> <p>Kanan stated that the skills he has learnt are problem solving, management skills (people, projects, equipment etc) and incentivising people.</p> <p>Fabrizio questioned if they measure the diameter; Kanan stated that they do not as it is a more or less shape as it more operationally effect.</p> <p>Frank asked if the fissure was first, Kanan state that they did not need to do one before the other, it varied.</p>	
Session 2: 09:00 – 16:00 14th October 2022		
11.	<p>WG updates</p> <ul style="list-style-type: none"> i) Safety <ul style="list-style-type: none"> • WG Presentation <p>Lorenzo updated the group that several webinars have been completed, the next webinar will be held on October 19th about Lifting Operations and another on 9th February 2023 on Working Platform Safety.</p> <p>Lorenzo proposed having two EFC European Safety Innovation Award to encourage members to share, innovate and collaborate. We hope to launch in January 2023</p>	

and members will have 8 months to submit their applications and then present the awards at the next AGM in October 2023.

The group agreed this is a great idea but suggested having other people on the judging panel then just the H&S WG members and that it is just an award, not a money prize.

Lorenzo will develop the scheme so it can be presented and approved at the next Officer meeting in January.

- **Working Platforms TG update**

Ciaran reported that the first addition of the guide for working platforms has been published and there are currently tests happening across Europe using different methods, anyone who might have a site available should contact the Secretariat so that they can be put in touch with Jim de Waele. The DFI are also testing platforms in America.

- **EFFC Rig operator License – update**

Ciaran reported that the EFFC are trying to create a license certification scheme that will be recognised across borders but national authorities.

We have looked at different exams for different countries and all are more or less the same, so we want to standardise the process. Currently we have been working with FIEC, but we are looking to pull together the national federations to maintain control.

- ii) **Sustainability**

- WG presentation

Chris introduced himself as the Chair of the SWG and as an active participant in the Tremie and Support Fluid guides.

Chris presented guide No.1 Carbon Reduction; this is key as construction produces a significant amount of carbon. Legislation is coming down the line, client demand due to EU taxonomy laws, risk management and employee demand will force companies to start recording and reducing carbon.

The green deal (approved 2020) means that Europe should be carbon neutral by 2050.

Chris explained that there is political agreement, the Corporate Sustainability Reporting Directive (taking over from the NFRD), will hit companies that meet at least two of the following criteria: turnover more than 40 million a year turnover, balance sheet over 20 million or more than 250 employees. This will be implemented in 2023/24/25, a final date has not been settled but it is coming.

Chris highlighted this will come down the supply chain as well, even if you do not fall under the requirements, it will still be likely to affect you.

The group raised concerns about how this will be sold to companies, Chris stated that as the EFFC we need to help smaller companies that will struggle to dedicate their time to reporting.

L Alessi

<p>DR E1-5-DR E1 12 are the key standards that will be required by companies do not necessarily meet the requirements to report under CSRD.</p> <p>Fabrizo asked where you report it. Chris stated that there will be an electric database called the EU single access point where it shall be submitted along with all the other financial reporting of the company.</p> <p>We are seeking 50+ companies to report on their carbon using an MS form to be filled out each quarter, which will all remain confidential. Everyone in the group was happy to join the reporting initiative.</p> <p>Guide No.2 (Circular Economy) is being finalised and will be shared for comment within one month.</p> <ul style="list-style-type: none"> • Future of the Carbon Calculator <p>Luca introduced himself as the Chairman of the Carbon Calculator group.</p> <p>Luca stated that the project was originally a joint project between the DFI and EFFC and published the Carbon Calculator in 2014. The DFI decided to leave the project in 2016 and the EFFC stopped the group in 2018, joining the SWG.</p> <p>In July 2022 the DFI decided to re-join, and we are looking to regain momentum to update the carbon calculator. The first phase will be to do a small update costing between €3-4,000 in 2022 consisting particularly to update the emission factor database. This is agreed during the meeting.</p> <p>Then do a major update in 2023/24 requiring a budget of €20,000 will be examined.</p> <p>Luca asked for more volunteers to join the carbon calculator TG, possibly ECG members.</p> <p>Luca also suggested that a webinar is required to explain the Carbon Calculator for those who have never used it.</p> <p>Bob enquired if the EU have a carbon calculator, Chris stated that he is not aware of an EU carbon calculator. The group showed strong support for the project.</p> <p>iii) Quality</p> <ul style="list-style-type: none"> • Contracts WG Presentation <p>Ciaran reported on behalf of Federico and stated that there has been an extreme lack of attendance.</p> <p>The group have recently completed three papers that are now ready for publication. Looking to the future we will look at Maurice's presentation and possibly the CSRD as it may have contractual implications.</p> <p>Ciaran will circulate the completed documents to the group (General T&C's, Public Health Emergency and Retention Position Paper) with a 4-week minimum deadline to respond with any comments.</p> <ul style="list-style-type: none"> • Digitisation – Maturity scheme and contractor survey 	<p>K de Rochefort All</p> <p>C Jennings</p>
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	<p>No discussion took place.</p> <ul style="list-style-type: none"> Technical WG Presentation <p>The technical group met in Vienna on 8th and 9th September.</p> <ul style="list-style-type: none"> • Water tightness of retaining walls, reviewing document. • EN206 App D work is continuing, main document will not be reviewed for 2 years. • Formal enquiry is now open for EN1997 parts 1-3 • Revising bored piles and diaphragm walls due to start before the end of 2022. • Revising displacement piles and mini piles. • There have not been any volunteers for soil nails. • Drafting standards for artificial freezing. • The status of all codes will be added to the website. • The next meeting to be held in May 2023, David is still searching for a new Vice Chair for the Technical Group. <p>Serge indicated that the coordination of contractor representatives is key, in order to influence efficiently the standardisation process. The Technical working group is the right structure to prepare position papers and map the contractor presence within national and European standardisation groups.</p> <ul style="list-style-type: none"> Update Support Fluids TG <p>Christophe Justino presented regarding the Support Fluids field research.</p> <p>The original purpose of the joint venture between DFI/EFFC was to acquire field data on support fluids using standard and non-standard tests, monitoring the support fluid during excavation, base cleanliness concrete levels and properties and interface layer.</p> <p>Christophe explained that COVID delayed testing, but testing has now recommenced.</p> <p>Five sites have been completed in Europe, seven sites in the US and one finalised academic study on filter cake for D-walls. We have also been working with Swansea University Smart Project (Fluid modelling data collected analysis).</p> <p>Next steps will be the concrete and support fluid TG will be meeting on the 8th – 9th November. We need more companies to offer suitable sites in Europe, the end goal is to have ten sites in Europe and ten in the US with a hope to publish Edition 2 of the support guide in 2023/24.</p> <p>Provide Christophe Justino with sites where tests could be carried out within the next 6/9 months. Particularly > 30m depth and Diaphragm wall.</p>	<p>C Jennings</p> <p>All</p>
12.	Coffee break	
13.	Safety Leadership Workshop – Lorenzo Alessi	

	<p>Lorenzo gave his presentation on Safety Leadership. This is available on the EFFC website in the Members area and encourages leaders in their businesses to create a generative culture of health and safety to drive improvement in their business.</p> <p>Serge asked the National Federations to consider organising such a workshop during one of their general meetings or event. This would allow to touch SME.</p>	All
14.	Lunch (12.00 – 13.00)	
15.	<p>Associate Member Presentations (13:00 – 15:30)</p> <p>I. Holcim – Nouffou Tapsoba</p> <p>Nouffou stated that the goal of his presentation is to show how companies can become greener with the advances in construction materials. Holcim have the object to decarbonise and begin circular construction. Holcim use ECO-Pact Zero which provides the opportunity to offset and compensate any remaining embodied carbon from ready-mix concrete.</p> <p>Serge questioned about the future of slag, Nouffou stated that they use but do not produce slag and instead see calcinated clay as the future alternative.</p> <p>Status of calcinated clay within EN206 to be clarified.</p> <p>Christophe Justino and Luca Bruni were keen to meet with Nouffou to discuss integrating their green products into the Carbon Calculator and understanding their performance in comparison to current carbon intensive alternatives.</p> <p>II. Pålanalyt – Mattias Gråvare</p> <p>Mattias stated that he is from Pålanalyt, a pile testing company in Scandinavia.</p> <p>Mattias reported that they use online real time software, barcode scanning piles, traceability, and data for individual piles, can be viewed in 2D and 3D on any device with access to the internet. The piles can be filtered by colour, indicating the piles status.</p> <p>Statistics and invoices can also be created from the programme for clients.</p> <p>III. Tensar – Katarzyna Ria Zamara</p> <p>Katarzyna introduce herself as the Technology Manager of the Eastern Hemisphere for Tensar.</p> <p>Katarzyna stated that Tensar has been part of research across 10 years on temporary working platforms. Geogrids saves cost, reduce CO2, and save time.</p> <p>BRE 470 review allows for alternatives if you remain within three parameters: Object safety is preserved, based on credible and representative research, and validated by well documented case studies.</p> <p>Geogrid plane when the soil stabilises. Additional shear strength from Tensar geogrid stabilisation.</p>	C Justino L Brunie

	<p>Contact to be maintained with the Working Platform Task Group in order to consider the geogrid stabilisation within their proposals.</p> <p>IV. Liebherr- Johannes Rhomberg</p> <p>Johannes presented the new range of electrically powered piling rigs that Liebherr have produced. He took the group through their performance levels and noted that they are able to operate and comparative levels to diesel powered rigs.</p> <p>There is a need to recharge them or run them from the dedicated power source. He noted that the rigs were generally equipped with sockets for the most common 400V available on construction sites.</p> <p>He reflected that the costs of the rigs were around 30% higher overall in capital expenditure though he noted that operational expenditure was generally a lot lower as there were no diesel costs and less maintenance required as there was not a diesel engine with lots of moving parts in the machine.</p> <p>Johannes suggested that the EFFC could usefully create some best practice guidance around what is needed on site to support the use of electrically powered rigs. The group agreed.</p> <p>Officers to discuss the best way forward during the January meeting.</p>	
16.	<p>New President's closing statement</p> <p>Serge Borel thanked the Associate Members for their presentations. All the topics were closely related to EFFC strategy and active initiatives. This demonstrates the value of the Associate Members scheme.</p> <p>Serge thanked everyone for their attendance, and he reminded them to please focus on his three drivers for the EFFC:</p> <ul style="list-style-type: none"> • Being pragmatic • Delivering on our initiatives • Focusing on people to achieve our aims. 	
17.	<p>Any Other Business</p> <p>No other business.</p>	
18.	<p>Dates of 2023 Meetings</p> <p>Officer Meeting Monday 23rd January 2023 (Vienna) Executive Meeting Thursday 20th - Friday 21st April 2023 (Amsterdam) AGM – Thursday 28th – Friday 29th September 2023 (Istanbul)</p>	