

BOARD OF ADMINISTRATORS

Webinar Meeting

Wednesday 24 March 2021

MINUTES

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MINUTES

Meeting of the Board of Administrators
of the
European Federation of Corrosion
24 March 2021

Venue of meeting: **Webinar Meeting**

Date and time of meeting: **Wednesday 24 March 2021 - 09:00**

Chairman: **Dr. Jörg VOGELSANG - *EFC President***

Secretary: **Mrs. Pascale Bridou Buffet - *Paris Office***

**EUROPEAN FEDERATION OF CORROSION
WEBINAR MEETING OF THE BOARD OF ADMINISTRATORS
24 MARCH 2021 - 09:00**

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EUROPEAN FEDERATION OF CORROSION
WEBINAR MEETING OF THE BOARD OF ADMINISTRATORS
24 MARCH 2021 - 09:00
ATTENDANCE LIST

24 March 2021	25 March 2021
BoA Members Prof. Mário FERREIRA (Portugal) - Elected Member Dr. Milan KOURIL (Czech Republic) - Elected Member Dr. Agnieszka KRÓLIKOWSKA (Poland) - Elected Member Dr. Bálint MEDGYES (Hungary) - Elected Member - EUROCORN 2021 Prof. J.M.C. Arjan MOL (The Netherlands) – Past-President Prof. Marie-Georges (also known as Marjorie) OLIVIER (Belgium) - Founder Member Society - EUROCORN 2023 Dr. Tomáš PROŠEK (Czech Republic) - Vice-President Mr. Marcel ROCHE (France) - Elected Member Dr. Joerg VOGELSANG (Switzerland) - President Ex Officio Representatives Dr. Roman BENDER - Scientific Secretary (Germany) Mrs. Julija BUGAJEVA - Honorary Treasurer (United Kingdom) Prof. Wolfram FÜRBETH - Chairman of the STAC (Germany) Frankfurt Office (Germany): Mrs. Ines HONNDORF Prof. Willi MEIER - Founder Member Society - Bid EUROCORN 2022 London Office (United Kingdom): Dr. Gareth HINDS - Founder Member Society Paris Office (France): Mrs. Pascale BRIDOU BUFFET Prof. Philippe MARCUS - Founder Member Society - Bid EUROCORN 2024	BoA Members Prof. Mário FERREIRA (Portugal) - Elected Member Dr. Patrick KEIL (Germany) - Elected Member Dr. Milan KOURIL (Czech Republic) - Elected Member Dr. Bálint MEDGYES (Hungary) - Elected Member - EUROCORN 2021 Prof. J.M.C. Arjan MOL (The Netherlands) – Past-President Prof. Marie-Georges (also known as Marjorie) OLIVIER (Belgium) - Founder Member Society - EUROCORN 2023 Dr. Tomáš PROŠEK (Czech Republic) - Vice-President Prof. Edoardo PROVERBIO (Italy) - Elected Member Mr. Marcel ROCHE (France) - Elected Member Dr. Patrik SCHMUTZ (Switzerland) - Elected Member Dr. Joerg VOGELSANG (Switzerland) - President Ex Officio Representatives Dr. Roman BENDER - Scientific Secretary (Germany) Mrs. Julija BUGAJEVA - Honorary Treasurer (United Kingdom) Prof. Wolfram FÜRBETH - Chairman of the STAC (Germany) Frankfurt Office (Germany): Prof. Willi MEIER - Founder Member Society - Bid EUROCORN 2022 London Office (United Kingdom): Dr. Gareth HINDS - Founder Member Society Paris Office (France): Mrs. Pascale BRIDOU BUFFET Prof. Philippe MARCUS - Founder Member Society - Bid EUROCORN 2024
Guest(s) and Observer(s): Dr. Marta MOHEDANO SANCHEZ (Spain) - Young EFC Dr. Stefan RITTER -- Leader of Task Force of Travel Grant Award - Chairman WP 4 on Nuclear Corrosion	Guest(s) and Observer(s): Representatives of Austrian Bid Dr. mont. Gerhard HACKL - Executive Member of the Managing Board, ASMET Mrs. Yvonne DWORAK - Conference Management Representatives of French Bid Laure FILLOUX - International Business Development Manager at VIPARIS Stéphanie EYRAUD International sales - Events, Conferences, Exhibitions, Association congress at VIPARIS Representatives of Norwegian Bid Dr. Ing. Prof. Torfinn HAVN (Chair of Bid committee) - Norwegian Corrosion Society Michelle MILAS - Stavanger Convention Bureau Dr. Rolf NYBORG - IFE Mr. Nils AGOTNES - Equinor Dr Tor Hemmingsen - the University of Stavanger Anne GURI SKLET - Gyro Conferenc (PCO) Per Morten HAARR - Stavanger Convention Bureau
Excused Prof. Damien FÉRON (France) Dr. Patrick KEIL (Germany) - Elected Member Prof. Edoardo PROVERBIO (Italy) - Elected Member Dr. Patrik SCHMUTZ (Switzerland) - Elected Member	Excused Prof. Damien FÉRON (France) Dr. Agnieszka KRÓLIKOWSKA (Poland) - Elected Member Mrs. Ines HONNDORF - Frankfurt Office

WORKING PAPERS OF THE EFC BOARD OF ADMINISTRATORS (BoA)

Item 1 Opening of the meeting

Dr. Jörg Vogelsang, President of the EFC and Chairman of the meeting opened the meeting and welcomed the delegates present.

Item 2 Apologies for Absence

Due to the pandemic situation, it was agreed that the BoA Meeting will be split in 2 parts:

- 24 March 2021 Morning: BoA Meeting dealing with EFC current matters;
 - 25 March 2021 afternoon: Presentation of the Bids for EUROCORN 2024 and election of the host.
- So, due to professional obligations, all the BoA members were not able to take part at these 2 successive meetings, which explains differences of presence in the attendance list for these 2 days.

In accordance with the attendance list, see the previous page, Mrs. Pascale Bridou Buffet, Paris Office, announced apologies received for absence:

24 March 2021:

- Prof. Damien **FÉRON** (France)
- Dr. Patrick **KEIL** (Germany) - **Elected Member**
- Prof. Edoardo **PROVERBIO** (Italy) - **Elected Member**
- Dr. Patrik **SCHMUTZ** (Switzerland) - **Elected Member**

25 March 2021:

- Prof. Damien **FÉRON** (France)
- Dr. Agnieszka **KRÓLIKOWSKA** (Poland) - Elected Member
- Mrs. Ines **HONNDORF** - Frankfurt Office

Item 3 Approval of the Agenda and Adoption of the Minutes of the last Meeting

3-1 The proposed agenda was approved.

3-2 The minutes of the previous Webinar Meeting that took place on 18 December 2020 were approved.

Item 4 EUROCORN Series: 2021, 2022 and 2023

4-1 EUROCORN 2021, Budapest (Hungary) - Progress with Arrangements (BM)

EUROCORN 2021 is scheduled from **19 to 23 September 2021**. The general theme will be **“Materials Science and Advanced Technologies for Better Corrosion Protection”**.

Due to ongoing global health concerns and travel restrictions resulting from the COVID-19 pandemic, the Hungarian Organisers of EUROCORN 2021, in consultation with the EFC, have announced in early February the transformation of the upcoming annual conference into a virtual event.

The report of Dr. Bálint Medgyes on the progress with arrangements for EUROCORN 2021 was illustrated with the presentation provided in **Appendix 1**.

Due to the new format of the event, the contract between the Hungarian hosts and DECHEMA is currently under discussions.

Dr. Bálint Medgyes presented the proposed registration fees for this virtual congress calculated on the basis and the experience of the Virtual EUROCORR 2020 organised by the DECHEMA, see Page 2 of Appendix 1.

These fees, that present no significative increase, will be published soon on the EUROCORR 2024 website. It was underlined that people are impatient to be informed on the fees for this virtual event.

Following a question on the date of the EUROCORR 2021 Papers Selection Meeting, it was answered that, the deadline for abstract submission having been extended to 31 March 2021, this meeting will be organised as soon as possible and probably during April.

Around 600 papers were received at the date of the meeting and it was proposed that a new deadline for late posters should be announced.

Dr. Bálint Medgyes confirmed that training courses are planned to be organised and that a minimum of k€25 would be secured for the EFC budget 2021.

4-2 *EUROCORR 2022 - Berlin (Germany) - Report on Preliminary Arrangements*

EUROCORR 2022 will be held in **Berlin**, at the former Maritim Hotel Berlin in the heart of Berlin, on **28 August to 1 September 2022**. The general theme will be "**Corrosion in a changing world - Energy, Mobility, Digitalization**". The name of the hotel will change due to a new owner.

Dr. Roman Bender reported on the preliminary arrangements for EUROCORR 2022 and presented the first announcement flyer which is currently on preparation, see **Appendix 2**.

He also announced that Prof. Martin Stratmann, first plenary speaker, is already invited, and they are looking for sponsors.

4-3 *EUROCORR 2023 - Brussels (Belgium) - Initial Progress Report (MO)*

EUROCORR 2023 will be held in Brussels, Belgium, at SQUARE (Brussels Meeting Centre) from **27 to-31 August 2023**.

Prof. Marjorie Olivier reported that, at this stage, no significant progress has been made on first arrangements for EUROCORR 2023.

Item 5 Financial issues (JB)

The Honorary Treasurer, Mrs. Julija Bugajeva presented the Financial Report on the basis of the information given in Appendix 1 of the Working Papers, and provide an updated version following BoA discussions, see **Appendix 3** and **4**.

5-1 *Draft Accounts for 2020*

The Honorary Treasurer, Mrs. Julija Bugajeva, presented the draft accounts for 2020, see **Page 1 of Appendix 3**.

She underlined that 2020 was an unusual year due to the COVID-19 pandemic that made the expenditures was significantly reduced with no travel and meeting costs or EUROCORR related participation fees.

However, EFC spent €20,000 on the development of new website. According to Belgium accounting rules, this amount is too great to be accounted for as an expenditure and therefore needs to be treated as an asset and depreciated over 5 years. Website accounting treatment can

be seen in **Annex 1 page 3 of Appendix 4**, where 2020 depreciation amount relates to the period of May-December.

The BoA agreed the provisional accounts for 2020 for presentation to the next General Assembly (GA).

5-2 *Current Subscriptions Position*

Status of 2020 membership subscriptions is shown in **Annex 3 of Appendix 4**. 2021 membership fee invoices will be sent out in April.

5-3 *Budget for 2021 and 2022*

The **budget for 2021** was initially prepared expecting the organisation of EUROCORR on a usual physical event.

Now that it is agreed that EUROCORR 2021 will be a virtual event, the Honorary Treasurer, Mrs. Julija Bugajeva, presented a revised forecast of the budget for 2021; see **Page 2 of Appendix 3**.

The forecast assumes that there will be no physical EFC meetings until the end of the year and therefore no travel expenditure will be incurred, and the income includes a minimum levy of €25,000 agreed for the virtual EUROCORR.

The forecast for 2021 also includes €5,000 President's extraordinary expenditure budget provision, see Item 5-5.

The BoA approved the revision of the budget for 2021.

The **budget for 2022** was prepared with the assumption that 2022 will be a "normal" year. Following discussions, some changes were agreed, and the updates highlighted in red in Annex 2 includes (see **Pages 6 and 7 of Appendix 4**):

- Increase in website costs to €7,000 to cover €2,000 website maintenance fee and €5,000 Dechema fee for website content management;
- €5,000 President's extraordinary expenditure budget provision;
- €10,000 contingency for administration support contract in 2022 (potential Managing Officer replacement).

Otherwise, due to the pandemic crisis and difficulties that occurred in all EFC Companies, and that the EFC is on a good financial position, the Honorary Treasurer recommended to not increase the EFC membership fees for 2022, which will be kept at the level of 2021 as follows:

	2015 - 2020	2021
Regular member	€ 1,690	€ 1,690
Affiliate member (companies)	€ 1,550	€ 1,550
Affiliate member (universities or research organisations)	€ 1,030	€ 1,030

The BoA members approved to keep the membership fee at the current level for 2022.

The BoA approved the revised budget for 2022 given in Appendix 4.

5-4 Adoption of Financial Report

The BoA approved the Financial Report presented by Mrs. Julija Bugajeva, the Honorary Treasurer.

5-5 Budget and Procedure for Extraordinary Expenses

In the frame of the day-to-day work of the EFC activities, EFC Official Representatives such as the EFC President and/or Vice-President, could need to engage some small expenses in the interval of BoA and/or GA meetings.

The BoA approved the forecast of an amount of maximum €5,000 for urgent matters with the condition that, before to engage these additional expenses, the approval of 2-person is required from the President, Vice-President, Past-President, STAC Chair and/or Scientific Secretary. The EFC Honorary Treasurer and the EFC Offices must also be informed for these above expenditures.

Item 6 Administrative Matters

6-1 Applications for EFC Membership (FO)

The Frankfurt Office recently received no new application(s) to join the EFC and/or resignation(s) since the last meeting.

6-2 Evolution of EFC and EUROCORR in the coming years (JV)

During the last BoA Meeting that took place on 18 December 2020, Prof. Willi Meier presented a proposition for a future Central Organisation, that could be part of the current EFC Digital Strategy implementation.

During the discussions on this proposal, it was pointed out the necessity to establish a business plan for this model and Dr. Jörg Vogelsang proposed the creation of a Task Force (TF) "Digital Platform" in that purpose and asked the 3 current Offices to prepare a report on the real costs engaged to support the EFC.

The EFC President, Dr. Jörg Vogelsang reported that on the last virtual President Advisory Committee Meeting (PACM) that took place on 9 March 2021, a collaborative platform called "Solved" was presented (<https://www.solved.fi>).

This tool could permit easy collaboration for the Working Parties (WPies), the administration of the EFC with the share of documents and answers a modern way of collaboration in modern societies. This platform is also online with the young corrosionists habits and operating.

Dr. Ritter, who took part at this PACM, commented that this platform could be very interesting for active WPies but will also depend of the willing of WPies members to use such a tool and Prof. Tomáš Prošek remarked that it could be a very useful tool for the elaboration of Green Books.

However, it was agreed that more time is necessary to examine this proposal and a test would be organised with the PAC Members to identify the possibilities and advantages of this platform. The EFC President invited BoA member that could be interested to join the test.

The EFC President explained also that the cost of this platform depends on the number of users and could represent around €2000 to €10,000 per year for the EFC.

On the other side, the DECHEMA is also implementing a platform which will give access to recorded congresses, webinars, live events, a permanent industrial exhibition, etc. and the prototype should be ready in April.

Prof. Willi Meier informed the BoA Members they will receive a link to explore this platform.

Regarding the evolution of the EFC in the future years, the EFC President, Dr. Jörg Vogelsang, explained that the first step is to define how we would like to structure the EFC.

As part of the establishment of a central organisation, as proposed by Prof. Willi Meier, Dr. Jörg Vogelsang informed the BoA Members that he discussed with the head of office of 2 other European Federations: EFCE (European Federation of Chemical Engineering) and EFC (European Federation of Biotechnology). At this stage, the organisation of a joint secretariat is already under discussion.

Nevertheless, further the reception of the summary of the Paris and London offices tasks and costs, and information from the Frankfurt Office dating from 2009, he presented the following table with figures of the labour time spent by the 3 EFC offices:

	hours	charged to EFC	thereoff meeting time	current cost charged	real costs	hourly rate paid	remark
office F/A	312						
WM	120						
Paris	300	140		10800	35000	55,71	HoO volunteer work
London	140		67				

This table shows that for the time being, the total of hours (~800) represents a half year for a permanent position.

With the departure of the Managing Officer, the reorganisation of the tasks and responsibilities of the 3 EFC secretariats are under discussions.

Prof. Willi Meier was asked to send an update of the tasks and cost of the Frankfurt Office and to provide a SWOT analysis of the strength and weaknesses of the EFC.

One or other of the two platforms would permit EFC to have more visibility and to develop its communication and collaborations.

At the time being, the evolution of the EFC structure with a central organisation is always under discussion and could start in 2025.

Consequences will also be that EUROCORRs would be under the responsibility of the EFC, the work for the hosts would be reduced and the organisers will receive a fixed levy to be decided.

6-3 Administrative Procedures and Legal Obligations in Belgium (IH, MO, JB)

The mandatory actions for the registration of the fiscal year 2019 and the publication of the composition of the new BoA being achieved, nothing significant occurred since the last meeting.

Otherwise, considering that, as of 1 January 2020, Company and Association Code (CAC) requires all associations to approve accounts and next year's budget within 6 months of the year-end, the Honorary Treasurer, Mrs. Julija Bugajeva, presented propositions and alternatives for the future GA Meetings, see **Appendix 5**.

After presenting the current situation, suggestions, alternatives and consequences of these proposals, the Honorary Treasurer, Mrs. Julija Bugajeva recommended to organise a GA Meeting 6 months after the publication of the accounts of the year Y, i.e., holding a GA meeting in May or June of the year Y+1.

This proposal presents the advantages that the EFC will not need to change the current accounting process and neither to find time and room for a GA Meeting during the EUROCORR of the year.

The BoA approved the recommendations of the Honorary Treasurer and decided to organise a Virtual GA on 29 June 2021 afternoon.

An action was placed on the EFC Paris Office to inform the EFC Members on these new obligations on behalf of the EFC President and to send out the invitation for this GA Meeting as soon as possible after the BoA Meeting.

The BoA members also considered that it is important to keep informal interactions with the EFC Members and that would be important to continue to organise dedicated meetings such as in the past with the President dinner or other social event that would bring together EFC Members.

6-4 *International Student Award (SR)*

Dr. Stefan Ritter, who succeeded to Dr. Hélène Illaire as leader of the TF on “Grants and Awards”, presented progress on the establishment of the International Student Award, see **Appendix 6**. He reminded the members of the TF, the objectives of this award (to facilitate the participation of young corrosionists in the EUROCORR Conferences with a financial support) and the proposed rules that were provided in Appendix 3 of the Working Papers and reminded in **Appendix 7** of these minutes.

The BoA agreed on this proposition and recommended the presentation of this new award at the next STAC meeting.

Subject to the STAC approval, the EFC Members would be informed at the next GA meeting on this new grant that could start in 2022.

Dr. Bálint Medgyes recommended that the selection committee would be composed at least with the chairman of the STAC, a representative of the Young EFC and one member of the BoA.

6-5 *EFC Awards for 2021 (WF, JV)*

The STAC Chairman, Dr. Wolfram Fürbeth, announced the results of the e-mail voting process organised by the Juries of the EFC Awards to be presented in 2021: the EFC Medal, the Kurt Schwabe Prize and the EUROCORR Young Scientist Grant, see **Appendix 8**.

He reported that the Paris Office received only one nomination for the **EFC Medal 2021** for a very good candidate and the jury approved to discern the prize to **Prof. Dominique Thierry**, French Corrosion Institute, Brest, France.

Otherwise, he announced that 7 nominations were received by the Paris Office for the Kurt Schwabe Prize. The Jury chaired by Prof. Judith Telegdi discerned the Prize to **Dr Richard James Barker**, Associate Professor in Corrosion Science and Engineering, School of Mechanical Engineering, University of Leeds. The evaluation of the candidatures is provided in **Appendix 9**.

5 applications were received for the **EUROCORR Young Scientist Grant**.

Based on a quality-based evaluation of the nominations received, only 2 recipients have been selected:

- **Michael Strebl**, Friedrich-Alexander-University of Erlangen-Nuremberg, Germany / Dr. Polina Volovitch, Chimie Paris Tech, PSL Research University, CNRS, Paris, France, for ***Coupling respirometric corrosion monitoring with in-situ Raman***;
- **Joshua Owen**, University of Leeds, UK / Prof. Sigrún Nanna Karlsdóttir, University of Iceland, Reykjavik, for Augmented corrosion product layers for ***enhanced corrosion protection of carbon steel in geothermal environments***.

The EFC President, Dr. Jörg Vogelsang, announced that 3 nominations have been received by the Paris Office for the **Honorary Fellow Award**. However, the jury not being able to conclude during the e-mail voting process, it was agreed to organise a virtual meeting in April to nominate the winner that will be announced later.

Item 7 EFC Activities

7-1 *Report of the Scientific Secretary (RB)*

The Scientific Secretary, Dr. Roman Bender, reminded that his report covering activities since the last December 2020 BoA meeting was presented in Appendix 4 of the Working Papers.

However, he pointed out 3 points:

- 1- He participated at different meetings dedicated to creating a white paper of the EFC in cooperation with the WCO and was assigned leader of this project. The thematic contents were compiled, and individual topics were assigned to colleagues who seem to be suitable to work on the corresponding topic. He contacted these colleagues at the beginning of March and asked for their collaboration and he underlined that a lot of colleagues are interested to participate to the writing of this White Paper. He also contacted the EFC Official journals to propose them to publish this White Paper in due time.
- 2- In the frame of actions to improve the visibility of the EFC, he announced a competition to present the topic of corrosion to the public for which he published in last February a Call for Applications for a Virtual Reality Short Film, see **Appendix 10**. The deadline for submissions was March 31. At the time of the meeting, only few people were interested to take part at this competition. However, he hopes that this project will find enough candidates to be carried out.
- 3- At the beginning of the year, he contacted the AMPP (NACE merger with SSPC) to inquire whether the EFC would benefit a free exhibit booth at the virtual CORROSION 2021 and receive the confirmation at the end of February. This event will be held online from April 19-30, 2021. More information should follow in the coming weeks. He started to gather electronic promotional materials for the booth to foster the virtual EUROCORR 2021, the "green books" and others documents to promote the EFC itself.

The BoA approved the Scientific Secretary Report.

An action was placed on Dr. Bálint Medgyes to send material on EUROCORR 2021 to Dr. Roman Bender.

7-2 *Report on Activities of Young EFC (MM)*

Details on the Young EFC network activities, covering activities since the last December 2020 BoA were given in Appendix 5 of the Working Papers.

Dr. Marta Mohedano Sanchez, leader of the Young EFC, presented a summary of the main actions undertaken that are illustrated in **Appendix 11**.

She commented some activities:

- The 2021 edition of the **Corrosion Awareness Day** was strongly supported by the YEFC (task Force leader: Leonardo Bertolucci) with the invitation of "corrosionists" to actively take part on online action(s) to raise awareness of the extensive problems caused by corrosion.
- The webinar **How to write a paper** was successfully conducted on 20th January 2021 with about 218 participants (based on Zoom data) and Prof. Arjan Mol as invited speaker. This is the first webinar of a series organised by Elsevier and YoungEFC. Based on the Post-webinar survey results it can be concluded that the initiative was successful, and that the corrosion community demand this type of knowledge and, in particular, in advance paper writing. The EFC provided the Zoom platform and technical assistance for the event.

- Aiming at increasing the **visibility of women scientists**, during February the Young EFC published pictures of female corrosionists in their workplace in contribution to the international day of women in science. About 10 pictures were received, customised and published in LinkedIn. This initiative was very warm welcome among the community.

Dr. Marta Mohedano Sanchez also informed the BoA that following the different webinars, the community increased from around 150 to 300 members.

Prof. Arjan Mol underlined the importance of the Young community for the EFC and, on behalf of the BoA Members, the EFC President thanked and congratulated Dr. Marta Mohedano Sanchez for her involvement and the great job made for the Young corrosionists community.

The BoA approved the report of Dr. Marta Mohedano Sanchez.

7-3 EFC Endorsed Corrosion Education (TP, WF)

A TF on EFC endorsed corrosion courses, lead by Prof. Daniela Zander, Chairman of the Working Party 7 on Corrosion Education, and Prof. Tomáš Prošek has been set up in 2019. The initial proposal of Prof. Daniela Zander was that EFC would become a certification body which could certify organisations and courses of Member Societies. However, the TF agreed that this possibility would be too difficult to be implemented.

The TF proposed that, in a first stage, the EFC will deliver labels / endorsement to courses. In a second stage, the EFC will aim to become a notified body, able to deliver certification for courses. This would be possible only if there exists a European regulation on corrosion, which is currently not the case. Therefore, the EFC should carry some lobbying activities so that European authorities create the missing legislation.

The TF also agreed that the work needed to collect information on courses proposed by Member Societies is not possible to be carried out by the WP7 alone. The best way to collect this information was deemed to be via the Working Parties (WP) rather than via the Member Societies.

Before to present progress of activities of the TF on Endorsed Corrosion Education, Prof. Tomáš Prošek informed the BoA Members that with the recent progression he expects that the TF should finish its job at the end of July.

After reminding the background, the expected outcomes, and the principles of the labelling already agreed, **see Pages 1 and 2 of Appendix 12**, he presented the rules for the EFC Approved Courses and the Application Form proposed by the TF that were distributed to BoA Members just before the meeting and reminded in **Appendix 13**.

He underlined that the application consists with a very simple questionnaire, that the EFC Member Societies (EFC MS) applying do not need the support from other EFC MS.

He also pointed out that this labelling should not be a “money machine” but will contribute to help the community and the EFC Member Societies to be more visible.

He presented the label “EFC Approved Course” (designed by Andressa Trentin from YEFC), **see page 3 of Appendix 12**, approved by the TF.

The TF proposes that this label would be granted for 3 years and that EFC advertised as wide as possible, i.e., via EFC webpage, EFC Newsletter, LinkedIn, GA.

Finally, he presented the TF proposals regarding the fees to be charged per course to EFC MS for this labelling, **see Page 4 of Appendix 12**.

These fees proposed by the TF have been estimated to cover administration costs and attract the maximum of EFC MS.

The TF estimated that the expected incomes for the EFC should be around €5,000 per year.

Then he asked the BoA to approve the scheme and explained the next steps:

- Approval by the STAC of the proposed selected Committee composed with Brian Wyatt, Daniela Zander, Claude Duret-Thual, Tomáš Prošek;

- Advertisement of the labelling as wide as possible: EFC webpage, EFC Newsletter, LinkedIn, General Assembly;
- Collection of Applications;
- Target: first labels to be granted in summer/autumn.

The BoA approved the scheme and actions were placed on the STAC Chairman and the Paris Office to include this item on the agendas of the next STAC and GA respective Meetings.

7-4 EFC on Social Media (MM)

Reporting on progress of EFC activities on Social Media, **see Page 4 of Appendix 11**, the representative of the Young EFC, Dr. Marta Mohedano Sanchez, announced that the EFC LinkedIn page counts more than 900 followers, and this number is regularly increasing. She mentioned that the posts show high interaction and engagement with the community.

She reminded that information to be published on this page coming from EFC MS and/or WPies, information on EUROCORN or all other initiatives are welcome and must be send via the dedicated mail **socialmedia@efcweb.org**.

7-5 EFC Publications

7-5.1 EFC Book Series (WF, RB)

The STAC Chairman, Dr. Wolfram Fürbeth informed the BoA Members that no new publication in the EFC book series is on preparation but he made an update of the status on the current publications, **see Appendix 14**.

The WPies Chairs will be encouraged to continue their efforts for publication of Green Books that are important material for the EFC visibility.

7-5.2 EFC Newsletter (RB)

Mrs. Ines Honndorf, Frankfurt Office, reported that the next E-Newsletter is currently on preparation for distribution few days before the Corrosion Awareness Day so that people would be informed of events organised for this occasion.

The deadline to send material for publication in this newsletter is 6 April 2021.

The following newsletter will be preparing as usual in summer. EUROCORN 2021 being again a virtual event, this edition will also be an electronic version.

An action was placed on Prof. Tomáš Prošek to contact the company “Nouvelle Page Communication” to inform them that, as for 2020, due to the pandemic crisis, it will be difficult to make a hard copy edition for EUROCORN 2021 especially as they should encounter difficulties to collect advertisements.

The EFC MS, Affiliate Members, WPies and Young EFC will be asked to send information by the end of June.

7-5.3 Progress with Items/Articles for Publication in the Four EFC Journals (HI, RB)

The Scientific Secretary, Dr. Roman Bender, reminded the 5 EFC Partner Journals: **“Materials and Corrosion”, “Corrosion Engineering, Science and Technology (CST)”, “Matériaux et Techniques”, “Ochrona przed Korozją”** (“Corrosion Protection”) and **“Koroze a chrana materiálu”** (Corrosion and Material Protection) .

He underlined that the Polish journal is very active in the publication of news and or articles on EFC, see **Appendix 15** and that 3 of them, Materials and Corrosion, “Ochrona przed Korozją” (“Corrosion Protection”) and “Koroze a chrana materiálu” (Corrosion and Material Protection) are willing to publish the White Paper in preparation by WCO.

He shared with the BoA Members regrets to receive only very few information from the UK colleagues and Prof. Arjan Mol and Dr. Stefan Ritter proposed to contact them to encourage contributions.

7-6 Last News from the EFC Web Site (RB)

Mrs. Ines Honndorf, Frankfurt Office, reported that the EFC website is continuously updated at each reception of information such as the announcement of events, webinars, new books, EFC activities and WPies activities.

Item 8 International activities

8-1 International Award: Corrosion Awareness Honour (DF)

The decision to create an international award together with CSCP, with the support of the WCO for the administration, was taken during the meeting with CSCP in September 2019. It was agreed with CSCP that this new award should not compete with the already existing EFC or CSCP awards, and therefore to create an award related to corrosion awareness.

The draft of the rules was presented during the last BoA Meeting that took place on 18 December 2020 and it was agreed to propose this updated version to CSCP for approval.

In the absence of Prof. Damien Féron the EFC President, Dr. Jörg Vogelsang, reported that the rules have been approved by both EFC and CSCP.

The members of the Jury have also been nominated from each part:

- CSCP representatives: Prof. Cuiwei Du and Dr. Dawei Zhang
- EFC representatives, BoA Members: Prof. Mário Ferreira and Dr. Gareth Hinds

The deadline for sending Nominations is end of May 2021.

An action was placed on the EFC Paris Office to inform Prof. Damien Féron on the EFC Representatives BoA members who agreed to take part in this jury.

8-2 NACE International: Task Force on EFC Strategy (GH)

The Minutes of the online virtual Zoom meeting between EFC and NACE that took place on 3 September 2020 were provided in Appendix 6 of the Working Papers.

Dr. Gareth Hinds reported that NACE merger with SSPC has been completed and the new entity is called Association of Materials Protection and Performance (AMPP, <https://www.ampp.org>).

This explains that the renewal of the MoU between EFC and NACE was in stand-by.

Discussions according to the draft agreed on 2020 commence now with AMPP.

An informal meeting is scheduled during the Virtual NACE event, CORROSION 2021 conference, that will take place April 19-30.

The terms of the MoU are detailed in **Appendix 16** as well as the possible collaborations.

8-3 Report on activities in Qatar (FM, FH)

The proposed Memorandum of Understanding (MoU) between the Qatar Free Zone (QFZ) and the EFC under discussions was provided in Appendix 8 of the Working Papers. One of the objectives is to give access to the EFC to all the companies or investors of the QFZ which can become EFC Members and develop activities with the EFC.

Without progress since the last weeks, this item is postponed for another BA Meeting.

8-4 Activities in Russia (DF)

At the time being, no formal cooperation's exist between EFC and Russia.

The BoA agreed to remove this item from the agenda until something new occurs.

8-5 Activities in Singapore (DF)

At the time being, no formal cooperation's exist between EFC and Singapore despite many tentative of contact. Otherwise, a NACE Branch is active in this country.

The BoA agreed to remove this item from the agenda until something new occurs.

8-6 Activities in China / CSCP (TP)

The Minutes of the virtual meeting between EFC and CSCP that took place on 25 September 2020 were provided in Appendix 9 of the Working Papers.

Prof. Tomáš Prošek reported that the International Conference on Corrosion Protection and Application (ICCPA) organised in 2019 was successful and it was envisaged to be organised every 2 years. However, with the pandemic crisis, 2021 is not a favourable year.

Prof. Tomáš Prošek informed the BoA Members that CSCP colleagues are preparing the organisation of a webinar planned for December 2021 and proposed the EFC to establish a contract for sharing the incomes (around 30 US \$).

This proposal is still under discussion.

8-7 WCO (World Corrosion Organization) (DF)

In the absence of Prof. Damien Féron, WCO President, Prof. Willi Meier, WCO General Secretary, reported that the main current activities of WCO are dedicated on the preparation of the Corrosion Awareness Day of 24 April and some events are in preparation for this occasion. He invited EFC MS to send information on events dealing with the Corrosion Awareness Day.

8-8 ICC (International Corrosion Council) (JV)

Prof. Tomáš Prošek reported that, due to the pandemic crisis, ICC is currently a sleeping organisation.

The ICC web site announce that the 21st International Corrosion Congress in São Paulo is postponed until July 20th to 23rd 2021.

The current President is Prof. Dr. Günter Schmitt.

8-9 Other International Activities (JV)

None

Item 9 EUROCORR 2024 - Bids Presentations and Selection of the Host

Due to the cancellation of EUROCORR 2020 in its physical format, during the Webinar BoA Meeting that took place on 31 March 2020, the BoA Members agreed that EUROCORR 2023 will be organised in Brussels and the 3 EUROCORR 2023 bidders agreed to renew their bid for 2024. During its meeting that took place on 18 December 2020, the BoA Members agreed to organise a virtual meeting especially dedicated to the presentations of the Bids for 2024 and nomination of the host. This meeting was planned on Thursday 25 March 2021 where the bidders were invited to present their updated proposals as follows:

- Bid from Austria (Salzburg);
- Bid from France (Paris);
- Bid from Norway (Stavanger).

The proforma document of each bid were provided respectively in Appendix 10, 11 and 12 of the Working Papers while Appendix 13 provided an update made by the Paris Office of the Evaluations of the bids initially realised for the BoA of 30 March 2020 by a Selection Committee composed with a representative of the Paris, Frankfurt and London Offices, as well as the EFC Vice President.

The French bid being presented by Prof. Philippe Marcus, also BoA Member, it was decided that he will be oriented in a virtual waiting room during the presentations of the bids from Austria and Norway but could join again the BoA meeting for the discussions and the votes.

During its meeting that took place on 18 December 2020, the BoA Members agreed that each bidder would have 15 minutes for presentation following with 15 minutes for BoA questions.

Following the presentations and deliberations, an electronic secret ballot, prepared by the Paris Office, was carried out by the 14 voting members present or represented of the BoA.

The winner was France's bid from CEFRA COR, which will host EUROCORR 2024 in Paris, on 1 to 5 September 2024. **Appendix 17** contains the French presentation.

The EFC President, Dr. Jörg Vogelsang, thanked the bidders for their efforts in this special period for the preparation of their bid and congratulated them for the excellent presentations as well the winner for the future organisation of the EUROCORR 2024.

He explained that the vote was very tight but gave a clear decision on favour of France. He recommended Austria and Norway to reiterate their bid next year.

Item 10 Any other Business

10-1 Items to be discussed by STAC before to be addressed to the GA

Mrs. Ines Honndorf, Frankfurt Office, raised that some items discussed during the meeting, such as the rules for the International Student Award (Item 6-4) and the nomination of the experts for the selecting Committee for the labelled courses (Item 7-3), need to be discussed by the STAC before to be addressed to the GA.

However, in Item 6-3, the BoA agreed the organisation of a Virtual GA Meeting within 6 months after the publication of the approved accounts of the year 2020 and not any more at the occasion of the EUROCORR of the year after the STAC and BoA Meetings.

Prof. Wolfram Fürbeth proposed that an e-mail voting process would be conducted by the Scientific Secretary in due time before the Virtual GA Meeting.

The BoA approved this proposition and fixed the Virtual GA Meeting on **29 June 2021, 14:00**.

10-2 Diversity and Inclusion Policy

Then, the EFC past-President, Prof. Arjan Mol, raised whether EFC should have an active policy on “**Diversity and Inclusion**” as the topic is given increased attention from people inside and outside of communities, industries, organisations etc.

In a nutshell, is the EFC sufficiently empowering people by respecting and appreciating what makes them different, in terms of e.g. age, gender, ethnicity, religion, disability, education, and national origin. Inclusion should be an organisational effort and practices in which different groups or individuals having different backgrounds are culturally and socially accepted and welcomed, and equally treated. As far as Prof. Arjan Mol oversees, EFC has no such policy for e.g. board and committee positions nor its award portfolio, at least seemingly not explicit nor actively practiced.

It was agreed that a TF "Diversity and Inclusion" was established, chaired by Marta Mohedano and Dr. Gareth Hinds and Prof. Arjan Mol as members. They will make a first reflection on the topic and will check diversity and inclusion policies implemented at their own and other organisations for possible applicability to EFC also.

Item 11 Date and Place of next BoA

The BoA Members agreed that the next virtual meeting will be held on **29 September 2021, 09:00**, after the Virtual EUROCRR 2021. The virtual STAC meeting was also fixed the day before, on 28 September 2021.

APPENDICES

EUROCORR 2021 - Arrangements for Virtual Event

ARRANGEMENTS FOR EUROCORR 2021 IN VIRTUAL FORM

Bálint MEDGYES 24.03.2021

Agreement about Virtual Eurocorr

- Dechema and HOST (Hunkor + DC) has agreed in terms of virtual Eurocorr 2021
- Novel Agreement is under construction
- Publication of registration fees

EUROCORR 2021 - Arrangements for Virtual Event (Continued)

Registration fees in Euros

	Eurocorr 2020	Eurocorr 2021
Full Registration late	445	465
Full Registration Member late	395	420
Full Registration	400	415
Full Registration Member	350	370
Day Ticket	325	345
Student	150	150
Student late	190	190

EUROCORR 2022 - First Announcement

28th August – 1st September 2022
 Berlin, Germany

EUROCORR 2022

European Corrosion Congress

Corrosion in a Changing World –
 Energy, Mobility, Digitalization



ANNOUNCEMENT

www.eurocorr2022.org



EUROCORR 2022 - First Announcement (Continued)

INVITATION

The EUROCORR local conference organising committee is pleased to invite you to the European Corrosion Congress 2022 which is to be held in Berlin, Germany.

The conference programme will include plenary meetings, key-note lectures, oral and poster presentations, supported by the various EFC Working Parties along with specific workshops.

Berlin stands for freedom, tolerance and diversity of lifestyles. Go on a journey through time and discover the scenes of world history in Berlin. You should therefore note the date and plan a trip to Berlin in autumn 2022.

SAVE THE DATES:

Paper Submission Deadline: 14 January 2022

Early Bird Registration: 31 May 2022

EXHIBITION AND SPONSORSHIP

The exhibition will be a showcase for all participants and a valuable communication tool. Companies are invited to display their full spectrum of instruments, equipments and services to the international congress delegates.

The wide range of congress sponsorship initiatives are designed to increase the visibility of your company and to optimise participation in EUROCORR.

ORGANISER & CONTACT

DECHEMA e.V.
Andrea Köhl
60486 Frankfurt am Main
E-Mail: eurocorr@dechema.de



HONORARY TREASURER'S REPORT TO BOA

FINANCE REPORT – BOARD OF ADMINISTRATORS

24 March 2021 – virtual BOA

Results for 2020

	Results 2020	Budget 2020	Results 2019
Total income	84,142	101,000	119,553
Total expenditure	(57,644)	(98,300)	(85,668)
Operating surplus	26,497	2,700	33,885
Strategic actions	(2,667)	(45,000)	0
Overall surplus/(deficit)	23,831	(42,300)	33,885
Bank balance at 31 December	344,047		342,928



HONORARY TREASURER'S REPORT TO BOA (Continued)

2022 membership fees

	2015-2021	2022
Regular member	€1,690	€1,690
Affiliate member (companies)	€1,550	€1,550
Affiliate member (universities or research organisations)	€1,030	€1,030



Budget for 2021-2022

	Budget 2021	Forecast 2021	Budget 2022
Total income	99,000	81,000	103,000
Total expenditure	(95,500)	(57,600)	(63,700)
Operating surplus	3,500	23,400	35,700
Strategic actions	(11,000)	(14,000)	(14,000)
Additional expenditure		(10,000)	(10,000)
Overall surplus/(deficit)	(7,500)	(600)	11,700



HONORARY TREASURER'S REPORT TO BOA (Continued)

Extraordinary expenditure

- ❑ Currently all expenditure is pre-approved by BOA
- ❑ Sometimes additional expenditure is required for the benefit of EFC
- ❑ Delay in launching projects while waiting for BOA approval
- ❑ Allow President to spend up to €5,000 / year without prior BOA approval

HONORARY TREASURER'S REPORT TO BOA (Continued)

EFC FINANCE REPORT TO BOA (MARCH 2021)

The enclosed finance report covers results for 2020, forecast for 2021 and proposed budget for 2022.

Results for 2020 (annex 1)

Results for 2020 are shown in Annex 1 and I am pleased to report that EFC made an overall surplus of €23,831 despite a difficult year.

On the income side, just over €53,000 were received in membership subscriptions. Minimum guaranteed royalty of €25,000 was paid to EFC following virtual EUROCORR.

As expected, EFC expenditure was significantly reduced in 2021 with no travel and meeting costs or EUROCORR related participation fees. Expenditure provision still includes support for working parties and Young EFC activities to cover any virtual events they might want to have.

EFC spent €20,000 on the development of new website. According to Belgium accounting rules, this amount is too great to be accounted for as an expenditure and therefore needs to be treated as an asset and depreciated over 5 years. Website accounting treatment can be seen in Annex 1 page 3, where 2020 depreciation amount relates to the period of May-December.

Forecast for 2021 (annex 2)

It has now been agreed that 2021 EUROCORR will be virtual and given that travel is unlikely to resume, financial forecast for 2021 has been revised and is shown in Annex 2.

Income includes a minimum levy of €25,000 agreed for the virtual EUROCORR. The forecast assumes that there will be no physical EFC meetings until the end of the year and therefore no travel expenditure will be incurred. After taking into account all changes, it is expected that EFC will end 2021 with a surplus of €9,400.

Budget for 2022 (annex 2)

Budget for 2022 is also shown in Annex 2. It assumes that Berlin EUROCORR will take place and usual EFC activities resume once again.

2020 subscription fees (annex 3)

Status of 2020 membership subscriptions is shown in Annex 3. 2021 membership fee invoices will be sent out on April.

Given continuing economic impact of Covid-19 on member societies, it is proposed that there is no increase in membership subscription fees in 2022.

Julija Bugajeva
EFC Honorary Treasurer
24 February 2021

UPDATE 26 MARCH 2021

As discussed during the BOA meeting, a number of changes were made to 2021 forecast and 2022 budget. These are highlighted in red in Annex 2 and include:

- Increase in website costs to €7,000 to cover €2,000 website maintenance fee and €5,000 Dechema fee for website content management
- €5,000 President's extraordinary expenditure budget provision. Additional expenditure can be authorised by President, Vice-President, STAC Chair and Scientific Secretary by informing EFC Honorary Treasurer. 2 person approval is required for the above expenditure
- €10,000 contingency for administration support contract in 2022 (potential Managing Officer replacement)

EUROPEAN FEDERATION OF CORROSION

Treasurer's report

Income and expenditure account for the year ended 31 December 2020

Annex 1 - Page 1

	2020 budget		2020 results		2019 results	
	€	€	€	€	€	€
Income						
Net subscriptions receivable	50 000		53 097		51 534	
Eurocorr levy	45 000		25 000		65 048	
Grant for Young Scientist Award	0		3 000		0	
Publishing income	6 000		3 045		2 972	
Total		101 000		84 142		119 553
Expenditure						
Membership services						
Science secretary costs	10 000		7 500		10 279	
Support for working parties	4 000		0		2 130	
Newsletter (inc Editor's travel costs)	9 500		10 027		9 987	
Website	5 000		5 000		5 000	
Medals and awards	6 500		4 548		4 774	
		35 000		27 075		32 169
Membership/product development growth						
Publicity	500		0		608	
EFC international activities	2 000		0		0	
Young EFC expenses	4 000		0		2 148	
President's dinner at Eurocorr	3 000		0		3 518	
		9 500		0		6 273
International visibility						
NACE participation costs	2 000		0		780	
World Corrosion Organisation	3 000		3 000 (est)		3 038	
International Union of Chemistry	50		47		45	
		5 050		3 047		3 863
Administrative costs						
Paris secretariat fee & travel costs	11 500		7 968		10 085	
Advisory committee meeting costs	2 500		0		317	
Honorary Treasurer travel costs	1 500		0		2 108	
Managing officer fee & travel costs	27 500		23 745		25 500	
PO Box in Brussels	1 500		1 213		1 410	
Legal & professional fees in Belgium	3 000		6 119		2 434	
		47 500		39 045		41 853

EUROPEAN FEDERATION OF CORROSION

Treasurer's report

Income and expenditure account for the year ended 31 December 2019 (Continued)

Annex 1 - Page 2

	2020 budget		2020 results		2019 results	
	€	€	€	€	€	€
Other costs / (income)						
Sundry expenses	100		0		275	
Bank charges	150		157		65	
Old exchange gains			(11 679)			
		250		(11 522)		340
Belgium VAT						
		1 000		0		1 170
Total costs		98 300		57 644		85 668
Operating surplus/(deficit)		2 700		26 497		33 885
Strategic actions						
Development of website & training courses	45 000		0		0	
Depreciation charge	0		2 667		0	
		45 000		2 667		0
Overall surplus/ (deficit) for the year		(42 300)		23 831		33 885
Surplus brought forward		316 343		316 343		282 458
Surplus carried forward		274 043		340 174		316 343

EUROPEAN FEDERATION OF CORROSION

Treasurer's report

Balance sheet as at 31 December 2020 and 2019

Annex 1 - Page 2

	Note	Balance at 31/12/2020 €	Balance at 31/12/2019 €
Fixed assets			
Website	(1)	17 333	0
		<u>17 333</u>	<u>0</u>
Current assets			
VAT account balance		2 394	0
Bank balance		344 047	342 928
		<u>346 441</u>	<u>342 928</u>
Current liabilities			
Creditors and accruals	(2)	19 575	22 560
Net assets		<u>344 199</u>	<u>320 368</u>
 General fund		 340 174	 316 343
Education fund		4 025	4 025
Total funds		<u>344 199</u>	<u>320 368</u>

EUROPEAN FEDERATION OF CORROSION

Treasurer's report

Notes to the financial statements for the year ended 31 December 2020

Annex 1 - Page 3

	2020 €	2019 €
1) Fixed assets		
Website cost	20 000	
Depreciation charge	(2 667)	
Website value at 31.12.2020	17 333	
2) Creditors and accruals		
Paris secretariat fees and expenses	7 968	10 085
Legal fees in Belgium	3 280	2 214
WCO 2020 fee	3 000	
Grants & prizes awarded - to be claimed	3 000	1 500
2021 subscription received in advance	1 358	
IOM3 creditor account	842	
PO box fee	127	146
Managing officer fees and expenses		5 330
Science Secretary costs		1 946
Honorary Treasurer travel costs		433
Newsletter		409
Travel & meeting costs		308
Publicity costs		189
	19 575	22 560

EUROPEAN FEDERATION OF CORROSION
Budget for 2021 - 2022

Treasurer's report
 Annex 2 - Page 1

	2020 results <i>Virtual Eurocorr</i>		2021 budget <i>approved by GA</i>		2021 forecast <i>Virtual Eurocorr</i>		2022 budget <i>Berlin Eurocorr</i>	
	€	€	€	€	€	€	€	€
Income								
Membership subscriptions	53 097		50 000		53 000		55 000	
Eurocorr levy	25 000		45 000		25 000		45 000	
CSCP grant for Young Scientist Award	3 000							
Publishing income	3 045		4 000		3 000		3 000	
Total		84 142		99 000		81 000		103 000
Expenditure								
Membership services								
Science secretary fee & travel costs	7 500		10 250		7 500		10 000	
Support for working parties	0		4 000		4 000		4 000	
Newsletter fee & Editor's Eurocorr attendance	10 027		10 000		10 000		10 000	
Website	5 000		2 000		7 000		7 000	
Medals and awards	4 548 (est)		6 500		6 500		6 500	
		27 075		32 750		35 000		37 500
Membership/product development growth								
Publicity costs	0		500		0		500	
EFC visibility (inc Qatar)	0		2 000		0		2 000	
Young EFC activities	0		4 000		4 000		4 000	
President's dinner at Eurocorr	0		3 000		0		3 000	
		0		9 500		4 000		9 500
International visibility								
NACE participation costs	0		2 000		0		2 000	
World Corrosion Organisation	3 000 (est)		3 000		3 000		3 000	
International Union of Chemistry	47		50		50		50	
		3 047		5 050		3 050		5 050

EUROPEAN FEDERATION OF CORROSION
Budget for 2021 - 2022 (Continued)

Treasurer's report
Annex 2 - Page 2

	2020 results <i>Virtual Eurocorr</i>		2021 budget <i>approved by GA</i>		2021 forecast <i>Virtual Eurocorr</i>		2022 budget <i>Berlin Eurocorr</i>	
	€	€	€	€	€	€	€	€
Administrative costs								
Paris secretariat fee & travel costs	7 968		11 500		8 000		11 000	
Advisory committee meeting costs	0		2 500		0		1 000	
Honorary Treasurer travel costs	0		2 000		0		1 500	
Managing officer fee & travel costs	23 745		27 500		5 800		0	
PO Box in Brussels	1 213		1 500		1 500		1 500	
Legal & professional fees in Belgium	6 119		3 000		5 000		5 000	
		39 045		48 000		20 300		20 000
Other costs								
Miscellaneous expenses	0		100		100		100	
Bank charges	157		100		150		150	
Old exchange gains	(11 679)							
		(11 522)		200		250		250
Total costs		57 644		95 500		62 600		72 300
Operating surplus/(deficit)		26 497		3 500		18 400		30 700
Strategic actions								
Development of training courses			10 000		10 000		10 000	
Depreciation charge	2 667				4 000		4 000	
President's extraordinary expenditure allowance					5 000		5 000	
Contingency for administration support							10 000	
		2 667		10 000		19 000		29 000

EUROPEAN FEDERATION OF CORROSION
Budget for 2021 - 2022 (Continued)

Treasurer's report
 Annex 2 - Page 3

	2020 results <i>Virtual Eurocorr</i>		2021 budget <i>approved by GA</i>		2021 forecast <i>Virtual Eurocorr</i>		2022 budget <i>Berlin Eurocorr</i>	
	€	€	€	€	€	€	€	€
Belgium VAT	—		—	1 000	—		—	
Overall surplus/(deficit) for the year		23 831		(7 500)		(600)		1 700
Surplus brought forward		316 343		316 343		340 174		339 574
Surplus carried forward		340 174		308 843		339 574		341 274

EUROPEAN FEDERATION OF CORROSION

Treasurer's report to BoA

STATUS OF 2020 SUBSCRIPTIONS

Annex 3 - Page 1

INVOICE	SOCIETY	COUNTRY	Fees 2020	Arrears b/fwd	Received 2020	Write off	Owing	Type of member
			€	€	€	€	€	
1	The Austrian Society of Metallurgy & Materials	Austria	1 690,00		1 690,00		0,00	Regular
6	CEFRACOR	France	1 690,00		1 690,00		0,00	Regular
8	GfKORR	Germany	1 690,00		1 690,00		0,00	Regular
9	DECHEMA eV	Germany	1 690,00		1 690,00		0,00	Regular
10	Associazione Italiana di Metallurgia AIM	Italy	1 690,00		1 690,00		0,00	Regular
15	Norsk Korrosjonsteknisk Forening	Norway	1 690,00		1 690,00		0,00	Regular
17	Sociedade Portuguesa de Materiais	Portugal	1 690,00		1 690,00		0,00	Regular
19	Swedish Corrosion Institute	Sweden	1 690,00		1 690,00		0,00	Regular
21	SGO-SST	Switzerland	1 690,00		1 690,00		0,00	Regular
22	Institute of Corrosion	UK	1 690,00		1 690,00		0,00	Regular
23	The Institute of Materials, Minerals and Mining	UK	1 690,00		1 690,00		0,00	Regular
25	Croatian Society for Materials Protection	Croatia	1 690,00		1 690,00		0,00	Regular
26	Czech Association of Corrosion Engineers	Czech Republic	1 690,00		1 690,00		0,00	Regular
28	Hungarian Corrosion Society	Hungary	1 690,00		1 690,00		0,00	Regular
30	Polskie Stowarzyszenie Korozyjne	Poland	1 690,00		1 690,00		0,00	Regular
32	Institute of Metals and Technologies	Slovenia	1 690,00		1 690,00		0,00	Regular
37	ANTI KOR - Int. Sci. & Educ. Corr. Centre	Russia	1 690,00				1 690,00	Regular
38	The Corrosion Association	Turkey	1 690,00				1 690,00	Regular
43	Gdansk University of Technology	Poland	1 030,00		1 030,00		0,00	Affil U/RO
44	NACE Europe	Europe	1 690,00		1 690,00		0,00	Regular
47	Oerlikon Metco Europe GmbH	Germany	1 550,00		1 550,00		0,00	Affil Company
49	Stopaq BV	The Netherlands	1 550,00		1 550,00		0,00	Affil Company

EUROPEAN FEDERATION OF CORROSION

Treasurer's report to BoA

STATUS OF 2020 SUBSCRIPTIONS

Annex 3 - Page 1 (Continued)

INVOICE	SOCIETY	COUNTRY	Fees 2020	Arrears b/fwd	Received 2020	Write off	Owing	Type of member
			€	€	€	€	€	
51	Bond voor Materialenkennis	The Netherlands	1 690,00		1 690,00		0,00	Regular
54	ATV-SEMAPP	Denmark	1 690,00		1 690,00		0,00	Regular
57	APCE	Italy	1 690,00		1 690,00		0,00	Regular
59	VOM vzw	Belgium	1 690,00		1 690,00		0,00	Regular
60	SOCIEMAT	Spain	1 690,00		1 690,00		0,00	Regular
62	Water Technologies Laboratory Ltd	Russia	1 550,00				1 550,00	Affil Company
63	National Institute for Nuclear Science and Technology	France	1 030,00				1 030,00	Affil U/RO
64	Chinese Society for Corrosion and Protection (CSCP)	China	1 690,00	1 690,00	3 380,00		0,00	Regular
65	fkks-Fachverband Kathodischer Korrosionsschutz e.V	Germany	1 690,00		1 690,00		0,00	Regular
69	Chongqing Wujiu Periodicals Press	China	1 550,00		1 550,00		0,00	Affil Company
71	Helmut Fischer GmbH	Germany	1 550,00		1 550,00		0,00	Affil Company
73	Vereniging Industrieel Oppervlaktebehandelend Nederland (Association ION)	The Netherlands	1 690,00		1 690,00		0,00	Regular
74	Integrated Global Services	Czech Republic	1 550,00		1 550,00		0,00	Affil Company
76	LBBC Baskerville	UK	1 550,00		1 550,00		0,00	Affil Company
			58 540,00	1 690,00	54 270,00	0,00	5 960,00	

Scenarios for Future General Assembly

FUTURE GENERAL ASSEMBLY

Current situation:

- As of 1 January 2020 Company and Association Code (CAC) requires all associations to approve accounts and next year's budget within 6 months of the year-end (by 30 June for EFC)
- Extensions were allowed in 2020 due to Covid19
- In December 2020 Royal Decree modified CAC to allow all nonprofit international associations to hold virtual General Assembly (without authorisation in the Articles of Association)



FUTURE GENERAL ASSEMBLY

Proposal:

- Keep EFC year-end date as 31 December
- Spring BOA to approve yearend accounts (2020) and next year's budget (2022)
- Hold virtual GA in May/June going forward
- Benefit:
 - No need to change accounting yearend
 - No need to find time / room during EUROCRR



Scenarios for Future General Assembly (Continued)

FUTURE GENERAL ASSEMBLY

Alternative:

- To continue holding GA during EUROCRR, we need to change EFC year-end date to 31 March, process below:
 - Change Bye-Laws to show new yearend date,
 - Have the change approved by GA,
 - Do this in advance, so 2021 GA approved the change and then EFC has long accounting year from 1 January 2022- 31 March 2023,
 - Publish all of the above in the Gazette,
 - Find solution to GA for 2021 and 2022 to comply with 6 months deadline.



International Student Award



EUROCORR TRAVEL GRANT FOR YOUNG CORROSIONISTS

- **Task force members:** Patrick Keil, Saman Hosseinpour, Cem Örnek, Stefan Ritter, Helene Illaire.
- **Objective:** The EUROCORR Travel Grant (hereafter called Grant) provides financial support to young corrosionists to facilitate their participation in the EUROCORR conference. The Grant is intended for students from countries or organisations where they encounter difficulties to travel to the venue of EUROCORR, because of financial constraints.
- **Development:**
 - First draft version was discussed at the BoA meeting on Dec 18.
 - Improved version discussed at the PAC meeting on Feb 9.
 - Current version submitted for approval by the BoA (today).
 - If accepted, first time it would be awarded for EUROCORR 2022.

24 March, 2021

EFC

1



EUROCORR TRAVEL GRANT FOR YOUNG CORROSIONISTS

- **Grant:** Each year **up to three Grants worth maximum € 700** per applicant and an additional coverage of the conference registration fee, will be awarded. The amount of each Grant and number of Grants awarded each year may change and is at the discretion of the President, Vice President and Honorary Treasurer. It is intended that **the funding for this Grant is covered by sponsors or EFC Member Societies**
- The conditions of **eligibility** to the Grant competition are as follow:
 - the applicant is not older than 30 years on the 1st of September of the year the Grant is awarded,
 - the applicant is a student (including doctoral) and works on a project that is about or related to corrosion science, engineering or awareness,
 - the applicant participates in the EUROCORR conference taking place the year when the Grant is awarded, and
 - the applicant has submitted an abstract for the respective EUROCORR conference.

24 March, 2021

EFC

2

International Student Award (Continued)
- Proposed rules -

RULES OF THE EUROCORR TRAVEL GRANT FOR YOUNG CORROSIONISTS

Presented by the European Federation of Corrosion

Introduction

The EUROCORR Travel Grant (hereafter called Grant) provides financial support to young corrosionists to facilitate their participation in the EUROCORR conference. The Grant is intended for students from countries or organisations where they encounter difficulties to travel to the venue of EUROCORR, because of financial constraints. A Grant Selection Committee, under the lead of the STAC Chair, makes the Grant selection based on brief proposals submitted. The Grant will be presented at the annual EUROCORR conferences and on the EFC website.

Grant

- 1.1 Each year up to three Grants worth maximum € 700 per applicant and an additional coverage of the conference registration fee, will be awarded. The amount of each Grant and number of Grants awarded each year may change and is at the discretion of the President, Vice-President and Honorary Treasurer. It is intended that the funding for this Grant is covered by sponsors or EFC Member Societies. Any sponsors will be mentioned in the corresponding area(s) of the EFC website and at the award ceremony during the EUROCORR conference. The EFC reserves the right not to open a call for Grant applications in a given year.
- 1.2 The Grant shall be used to cover part or all of travel and accommodation costs for EUROCORR attendance and will only be paid if the EUROCORR conference has been attended.
- 1.3 The transfer of the Grant money will be handled by the EFC London Office within a period of four weeks after EUROCORR and after receiving the receipts/proof of costs and bank information needed for this money transfer. In exceptional cases, a partial pre-payment to cover the costs will be made. Such applications are to be made directly to the EFC London Office and will need to include proof of costs incurred.
- 1.4 Only the nominated applicant is the Grant holder. Nominated Grants cannot be transferred to a third person.
- 1.5 The Grant is to be spent for the attendance to the EUROCORR to which the Grant is awarded. The Grant cannot be delayed or put on hold.
- 1.6 The EFC refuses to take any liability in the context of this Grant and attendance of the EUROCORR.

International Student Award (Continued)

- Proposed rules -

Rules

- 2.1 To enter the competition, the applicants need to send the appropriate form (provided on the EFC website under "Awards"), together with all the documents listed in Article 2.6 below, electronically to the EFC Frankfurt Office (c/o Roman Bender, roman.bender@dechema.de).
- 2.2 The submission deadline is 15th of February in the year of the EUROCORR to which the Grant is awarded. Submissions after this deadline will not be considered.
- 2.3 The conditions of eligibility to the Grant competition are as follow:
 - a) the applicant is not older than 30 years on the 1st of September of the year the Grant is awarded,
 - b) the applicant is a student (including doctoral) and works on a project that is about or related to corrosion science, engineering or awareness,
 - c) the applicant participates in the EUROCORR conference taking place the year when the Grant is awarded, and
 - d) the applicant has submitted an abstract for the respective EUROCORR conference.
- 2.4 The Grant is supporting gender equality, diversion and inclusion.
- 2.5 The Grant Selection Committee consists of the STAC Chair (chair of the Committee), a representative of the Young EFC, and one further member from the EFC Leadership and Administration (appointed by the STAC Chair). The Selection Committee members are not eligible to receive the Grant and shall remain in office until the Grant recipient(s) has/have been designated.
- 2.6 The Grant proposals will be judged by the Selection Committee solely based on the quality of applications and the need for the financial support, which takes into account:
 - e) a short (maximum 400 words) motivation letter, written by the applicant, in which she/he expresses the benefits toward her/his career success and her/his need of support for attending the EUROCORR,
 - f) the applicant's CV (maximum two pages), including birth date and publications or achievements (patents, etc.) the applicant has authored or co-authored, and
 - g) the quality and impact of her/his abstract submitted to the EUROCORR.
- 2.7 The recipients of other EFC grants in a given year will not be considered for this Grant.
- 2.8 The Selection Committee informs the STAC and BoA about their decision no later than 31st of March. The decision of the Selection Committee shall be considered as final and not arguable. The winner will be notified by e-mail (until 30th of April) and announced on the EFC website.

Details of the contents of the application will be treated as confidential and handling of the information will be in compliance with the General Data Protection Regulation of the European Union. De-personalized general information may be disclosed for publicity reasons.

EFC Awards 2021 Recipients

EFC AWARDS 2021

Wolfram Fürbeth – March 24, 2021

EFC Medal 2021

- Prof. Dominique Thierry,
French Corrosion Institute,
Brest, France



(just one nomination)



EFC Awards 2021 Recipients (Continued)

Kurt Schwabe Prize 2021

- Dr. Richard James Barker,
Associate Professor in Corrosion
Science and Engineering,
University of Leeds, UK



(Selection made from 7 nominations)



EUROCORR Young Scientist Grants 2021

Applicant	Co-applicant	Topic
Michael Strebl, Friedrich-Alexander-University of Erlangen-Nuremberg, Germany	Dr. Polina Volovitch, Chimie Paris Tech, PSL Research University, CNRS, Paris, France	Coupling respirometric corrosion monitoring with in-situ Raman
Joshua Owen, University of Leeds, UK	Prof. Sigrún Nanna Karlsdóttir, University of Iceland, Reykjavík	Augmented corrosion product layers for enhanced corrosion protection of carbon steel in geothermal environments

(Selection made from 5 applications)



Evaluation of applicants of the Kurt Schwabe Prize in 2021

It was very impressive that seven young scientists handed in their application for the Kurt Schwabe Prize announced for young specialist in 2021. The young applicants are located in the following countries: Italy (2), UK (2), The Netherlands (1), China (1), and Hungary (1). The evaluation was based on the following criteria: results achieved in corrosion, number of publications, impact factors, other scientific factor (e.g. h index), years spent on corrosion, awards, teaching activity, activity as reviewer, membership in editorial boards of international journals, other information given in the supporting letters.

As there were several very good applications, the selection was very difficult for the jury.

All of the applicants spent at least 5 years on corrosion research. Almost in all cases they took actively part in teaching. There were differences in the number of publication, in some cases the number of publications (62 and 59) was very impressive; in other cases fewer publications covered impressive sum of impact factors. For some applicants the publication activity was not so high, but they took part at different international conferences and meetings demonstrating and evaluating their research activity and results. In one case one activity was much more decisive than in other cases.

A careful study of all available information finally led to the following decision:

The **winner of the Kurt Schwabe Prize in 2021 is**

Dr Richard James Barker

Associate Professor in Corrosion Science and Engineering; School of Mechanical Engineering,
University of Leeds.

He studied at the University of Leeds. His further career bonded him to the same university. His main research interest lies in the areas of electrochemistry, material and corrosion science and his expertizes are the follows:

- Experimental studies,
- Understanding processes at the material-electrolyte interface across length scales,
- Numerical methods,
- Research to generate industrial impact,
- Bespoke methodologies, designs and *in situ* techniques

His expertise was particularly devoted to corrosion measurement in extreme environments, predominantly in the context of the energy and carbon abatement sectors.

He has received ten awards or honors, has authored or co-authored an impressive number of 59 journal papers and supervised 15 PhD students, just to mention some achievements.

The Jury of the Kurt Schwabe Prize, 2021

Virtual Reality Short Film



Call for Applications - Virtual Reality Short Film

The European Federation of Corrosion wishes to promote innovative concepts in the field of Virtual Reality (VR). The term "VR" is appreciably broad and includes all types of simulations in a VR environment, such as VR experiences / VR animations / augmented reality (AR) or technology-oriented production approaches based on VR / AR.

In a short film, specific corrosion phenomena are to be presented to the public in a clear and effective way. The length of the film should be between 2 and a maximum of 5 minutes.

The call for applications will start on 22 February 2021 and the deadline for applications is 31 March 2021. Institutions, groups as well as individuals can apply. Concepts from young students who are still studying or working on graduate studies in the field of materials science, chemical engineering, chemical engineering, or a related discipline are especially desirable.

Applicants should cover at least the areas of directing, look, technical directing and production. The basis of the application should be a project concept. After pre-selection, up to 6 teams will be invited to interviews. Then, up to three projects will be selected. During the entire project, from the concept phase to the prototype ready for presentation, EFC's experts are available at any time for consultations. After submission, a jury will evaluate the work and the best application will be awarded the prize money. The EFC may not award any prizes if no qualified applications are received by the EFC.

The prizes consist of:

- 1st prize: certificate and 1,250 euros
- 2nd prize: certificate and 500 euros
- 3rd prize: certificate and 250 euros

Applications must be submitted in English and include a concept that should cover the following aspects of their project design:

- Content and storytelling
- Graphics, design and technical implementation
- Scientific relevance, if applicable
- Production plan
- Biography of the participants

For further information and submission of applications please contact Dr. Roman Bender (roman.bender@dechema.de).

Young-EFC Report Activities



UPDATES DECEMBER 2020-MARCH 2021

Marta Mohedano

Corrosion Awareness Day

- ☐ Announcement of CAD 2021 edition (January) via email, social media, network
- ☐ The registration is open until 1st of April
- ☐ Up to now there are 11 activities registered from different parts of Europe

Corrosion
Awareness Day

Leonardo Coelho
Andressa Trentin

CORROSION AWARENESS DAY 2021



WHY?

- To spread the awareness of corrosion in our society and industries.
- To increase the visibility of your research, group and expertise.

HOW TO PARTICIPATE?



1 REGISTRATION (BEFORE APRIL 1ST)

- Submit the title of the activity with a brief description (max. 100 words);
- Provide a link to the event (if possible);
- Send the name and affiliation of the organizers (max. 3 people);



2 PARTICIPATION

- (FROM APRIL 24TH TO MAY 24TH)
- Send the summary of the activity (max. 200 words) with a representative photo.
- Content of your activity will be posted on our site/EFC LinkedIn account: <http://efcweb.org/YoungEFC.html> <http://bit.ly/youngefc>



3 CERTIFICATES (AFTER MAY 24TH)

- The organizers will receive a certificate validated by the EFC.



WHAT TO DO?



To organize an activity related to Corrosion Science and Engineering in your Research Institute, University, City, Province... to be launched in the frame of the Corrosion Awareness Day (24th April).

The activity can be focused on researchers, engineers, managers, students and/or the general public. The main goal is to raise awareness about corrosion and corrosion protection around the world.



We will help you to advertise and make visible your activity all around the world. We will post the event at the EFC and WCO website platforms. Furthermore, both official organizations will provide a certificate to the organizers of the event.

Examples of activities: dissemination talks, workshops, photo competition, articles in scientific and technical journals or in newspapers, exhibitions of corrosion experiments, Master class in Universities, webinar, etc.



Young-EFC Report Activities (Continued)

Webinars

- ☐ First webinar of a series organised by Elsevier and YoungEFC (January 2021)

- ☐ 218 participants

- ☐ Prof. Arjan Mol as invited speaker.

- ☐ Very positive feedback

- ☐ Demand of this type of skills

- ☐ Working on a new one

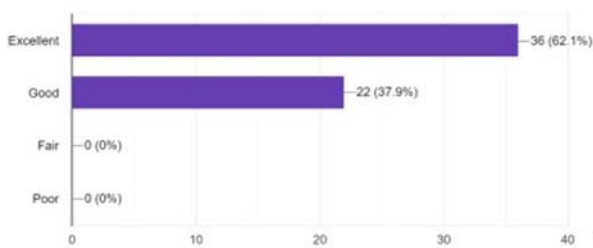


Which subject would you choose for the next webinar?



Overall session evaluation

58 responses



Corrosion Community (Webinar Carrer Path)

- ☐ Concept for informal webinar series
- ☐ inviting established as well as early career corrosionists from academia and industry to discuss their career path.
- ☐ This will provide the audience with an overview about the diversity of careers within the corrosion community

Corrosion
Community

Noemie Ott

Young-EFC Report Activities (Continued)

Women in Corrosion



FEBRUARY 11
International Day of Women in Science



February 11th is the International Day of Women in Science and the Young European Federation of Corrosion (YEFC) wants to join this initiative!

During this month, we will give visibility to **female corrosionists** in their workplace through a series of posts to support women and girls in science.

WOMEN IN CORROSION!



FÁTIMA MONTEMOR
Instituto Superior Técnico, Universidade de Lisboa

WOMEN IN CORROSION!



MAHLA SEYEDI
Corrosion and Metallurgy Study Centre 'Aldo Ducco' - University of Ferrara - Italy

WOMEN IN CORROSION!



YOLANDA HEDBERG
University of Western Ontario, Canada

WOMEN IN CORROSION!



SARAH BILL ULAETO
Rhema University Nigeria

very well welcome among the community!

LinkedIn page

WOMEN IN CORROSION!



FÁTIMA MONTEMOR
Instituto Superior Técnico, Universidade de Lisboa

WOMEN IN CORROSION!



FARZANEH AKVAN
Founder and Director Manager of FarCorrosion platform

WOMEN IN CORROSION!



MARÍA PANERA, ALICIA MONTES, LUCÍA SUÁREZ
IDONIAL

WOMEN IN CORROSION!



MAHLA SEYEDI
Corrosion and Metallurgy Study Centre 'Aldo Ducco' - University of Ferrara - Italy

WOMEN IN CORROSION!



BIEZMA MORALEDA
University of Cantabria

WOMEN IN CORROSION!



SARAH BILL ULAETO
Rhema University Nigeria

WOMEN IN CORROSION!



CLAUDIA MARTÍNEZ PINÓN
CorrosionRADAR

WOMEN IN CORROSION!



KAROLINE NEUMANN
Wood and Hamburg University of Technology

EFC

Unconfirmed BoA Minutes

Webinar - 24/03/2021

Young-EFC Report Activities (Continued)

Social Media

(Andressa Trentin/Marta Mohedano)

- The EFC LinkedIn Page counts with 901 followers and the number is increasing
- Better communication with MS and WP (please send info to socialmedia@efcweb.org)
- The posts show high interaction and engagement with the community



Other activities

- Participation in the discussion of the proposal 'Excellence in Canadian corrosion education through internationalization, equity, and interdisciplinarity' led by Dr. Yolanda Hedberg (Western University, Canada)
- Participation in the discussion of travel grant (Cem Ornek)
- Active exchange of news and advertisement of events (conferences, doctoral schools) with the YEFC network

EFC Endorsed Corrosion Education: EFC Approved Courses

TF EFC ENDORSED EDUCATION

Tomáš PROŠEK – 24/03/2021

Background

- Strong efforts of international organizations to expand training activities in Europe
- EFC not active in training so far
- Plan to create individual training and certification program, led by WP7: long-term process
- To speed up the process, BoA decided to create a *Labelling Scheme* for existing courses of EFC Member Societies (MS s)



EFC Endorsed Corrosion Education: EFC Approved Courses (Continued)

Expected outcome

- **MSs** sell more courses
- **Corrosionists** find right training option
- **EFC** sets foot in corrosion training
- Task Force Members: Brian Wyatt, Trevor Osborne, Daniela Zander, Claude Duret-Thual, Antoine Surbled, Damien Ferón, Tomas Prosek



Prepared documents

Rules

Rules for the EFC Approved Course Label Scheme
Granted by the European Federation of Corrosion

GENERAL RULES

- The EFC is an international non-profit association with the objective to contribute to the general advancement of the science of corrosion and of the corrosion protection of materials.
- The purpose of the EFC Approved Course Label (hereafter the Label) is to support the education and training of corrosion professionals in limiting the detrimental impacts of corrosion on assets, the environment, and health.
- The Label is granted to courses reviewed in detail and proposed by EFC Member Societies, who are responsible for the course content and delivery. The course has to be focused on corrosion, corrosion prevention, or corrosion protection.
- It is not intended that the Labeling Scheme will deliver profits towards the wider activities of the EFC. It is intended, as in Clause 2, to support education and training.
- Any Member Society of the EFC is entitled to apply for the Label. The application comprises submission of a questionnaire on the course governance. It shall be delivered by e-mail to the EFC Scientific Secretary at scien.bende@ecfcorrosion.de.
- The application is examined by the EFC Course Endorsement Committee (hereafter the Committee) composed of four respected volunteers and the EFC Scientific Secretary. Members of the Committee do not receive remuneration or expenses for the examination work. The chair and members of the Committee will be ratified by the Science and Technology Advisory Committee (STAC) at their first meeting after their nomination. The period of membership for the Committee will be three years, which may be extended.
- The Committee will consider if the course outcomes, content, and governance are appropriate in view of the Label objectives stated above. In case of doubt, the Committee can ask the applicant for additional information. This assessment is to be preceded by the Member Society assessment of the course, the course developer(s), and the tutor(s) before the application, which is expected to be more detailed than any assessment that is appropriate to be undertaken by the Committee.
- The decision of the Committee is anticipated to be by agreement or will be by a majority vote of all voting members. Committee members associated to a Member Society which applied for the labeling is (are) not entitled to vote. The EFC Scientific Secretary shall not be the chair and shall not vote. The chair shall hold a casting vote under the common convention of having a second vote to be applied only if the first vote by all members (including the chair) results in a tie and further open discussion between the members cannot subsequently resolve the tie. The decision of the Committee is final.
- The EFC Scientific Secretary shall inform the applicant about the outcome of the assessment within 3 months after the first delivery of the documents by the applicants to the Scientific Secretary.
- The applicant can start using the Label on the day the labeling fee is paid. The labeling fee is 500 Euro for the first labeled course of a Member Society and 300 Euro for any further course or course re-examination. The labeling fee is non-refundable.
- Course Label approval shall be valid for 3 years; no annual fee shall accrue.
- The EFC shall advertise the labeled courses on its web page and elsewhere at no additional charge to the applicant.
- The applicant is obliged to inform the EFC Scientific Secretary of any substantial change recognized by the Member Society in the course governance or content (e.g., course structure, new or novel content, departure from the present basis of technology or learning) within 2 months after the change occurs. The Committee will decide whether a new examination of the application is necessary. It can decide to revoke the Label.

Version: 15/05/2021 3 / 2

Questionnaire

EFC ENDORSED EDUCATION

APPLICATION FOR EFC COURSE ENDORSEMENT AND LABELLING

Course Name	
Course Subject ¹	
Course Level ^{2,3}	
Short summary of course ⁴	
Contact link to web site for information, to be included on EFC web site	
Course Language	
Examination Language	
Course location Country/Countries	
EFC European Member Society making this application ⁵	Margin to be used by assessors to approve/disapprove
Does the Society Own this course?	
If NOT, who does?	
Is the Society responsible for the teaching/delivery of the course?	
If the Society does not deliver the course, who does?	

¹ Examples: cathodic protection, pipe coating inspection, industrially accelerated corrosion, atmospheric corrosion testing.
² E.g., ISO 15280 Levels 1 to 5 or the Council of the European Union Recommendation 2107/C 109/02 Levels 1 to 5. Note, by comparison the ISO L3 is EU L6, the ISO L4 is EU L6 or L7, ISO L3 is EU L3 or L4, ISO L2 is EU L1 and ISO L1 is EU L1.
³ Applicants are encouraged to submit multiple levels of courses, where they exist and for which Labeling is required, to facilitate efficient administration.
⁴ 1 line maximum.
⁵ It is mandatory that any application is supported and proposed by a European EFC Member Society and that Society confirms the accuracy of the information submitted. By making the Application the Society confirms that it considers the course to be competent and professionally delivered.

Version: 15/05/2021 1

EFC Endorsed Corrosion Education: EFC Approved Courses (Continued)

Principles of the *Labelling*

- Not a money machine for EFC but **help to the community and MSs**
- **Only courses developed in Europe can be labelled**
- **MS is responsible for the course quality**
- **MS applies for the label** using a simple questionnaire
- **Application is assessed by EFC Course Endorsement Committee** composed of the EFC Scientific Secretary and four volunteers approved by STAC



Principles of the *Labelling*

- **MS can use a label EFC Approved Course** (designed by Andressa Trentin from YEFC)
- Label granted for 3 years, re-examination after changes
- **EFC will advertise labelled courses** on the web site and elsewhere



EFC Endorsed Corrosion Education: EFC Approved Courses (Continued)

Principles of the *Labelling*

- **EFC will charge MS for each labelled course**
reasonable fee covering administration costs
- Application in 2021 or 2022:
 - ▣ 300 Euro for the 1st labelled course for 3 years
 - ▣ 100 Euro for any further course for 3 years
- Application in 2023 and later:
 - ▣ 500 Euro for the 1st labelled course for 3 years
 - ▣ 300 Euro for any further course for 3 years
- Expected income for EFC: 5000 Euro/year



Next steps

- BoA: Approve the Scheme
- STAC: Approve the Committee (Brian Wyatt, Daniela Zander, Claude Duret-Thual, Tomáš Prošek)
- Advertise the Scheme – EFC webpage, EFC Newsletter, LinkedIn, General Assembly
- Collection of applications
- First labels can be granted in summer/autumn



EFC Approved Courses: General Rules and Application

Rules for the EFC Approved Course Label Scheme Granted by the European Federation of Corrosion

GENERAL RULES

1. The EFC is an international non-profit association with the objective to contribute to the general advancement of the science of corrosion and of the corrosion protection of materials.
2. The purpose of the EFC Approved Course Label (hereafter the Label) is to support the education and training of corrosion professionals in limiting the detrimental impacts of corrosion on assets, the environment, and health.
3. The Label is granted to courses reviewed in detail and proposed by EFC Member Societies, who are responsible for the course content and delivery. The course has to be focused on corrosion, corrosion prevention, or corrosion protection.
4. It is not intended that the Labelling Scheme will deliver profits towards the wider activities of the EFC; it is intended, as in clause 2, to support education and training.
5. Any Member Society of the EFC is entitled to apply for the Label. The application comprises submission of a questionnaire on the course governance. It shall be delivered by e-mail to the EFC Scientific Secretary at roman.bender@dechema.de.
6. The application is examined by the *EFC Course Endorsement Committee* (hereafter the Committee) composed of four respected volunteers and the EFC Scientific Secretary. Members of the Committee do not receive remuneration or expenses for the examination work. The chair and members of the Committee will be ratified by the Science and Technology Advisory Committee (STAC) at their first meeting after their nomination. The period of membership for the Committee will be three years, which may be extended.
7. The Committee will consider if the course outcomes, content, and governance are appropriate in view of the Label objectives stated above. In case of doubt, the Committee can ask the applicant for additional information. This assessment is to be preceded by the Member Society assessment of the course, the course developer(s), and the tutor(s) before the application, which is expected to be more detailed than any assessment that is appropriate to be undertaken by the Committee.
8. The decision of the Committee is anticipated to be by agreement or will be by a majority vote of all voting members. Committee member(s) associated to a Member Society which applied for the labelling is (are) not entitled to vote. The EFC Scientific Secretary shall not be the chair and shall not vote. The chair shall hold a casting vote under the common convention of having a second vote to be applied only if the first vote by all members (including the chair) results in a tie and further open discussion between the members cannot subsequently resolve the tie. The decision of the Committee is final.
9. The EFC Scientific Secretary shall inform the applicant about the outcome of the assessment within 3 months after the first delivery of the documents by the applicants to the Scientific Secretary.
10. The applicant can start using the Label on the day the labelling fee is paid. The labelling fee is 500 Euro for the first labelled course of a Member Society and 300 Euro for any further course or course re-examination. The labelling fee is non-refundable.
11. Course Label approval shall be valid for 3 years; no annual fee shall accrue.
12. The EFC shall advertise the labelled courses on its web page and elsewhere at no additional charge to the applicant.
13. The applicant is obliged to inform the EFC Scientific Secretary of any substantial change recognized by the Member Society in the course governance or content (e.g., course structure, new or novel content, departure from the present basis of technology or learning) within 2 months after the change occurs. The Committee will decide whether a new examination of the application is necessary. It can decide to revoke the Label.

EFC Approved Courses: General Rules and Application (Continued)

14. If there is no substantial change in the course governance and content, the applicant Member Society is not obliged to re-apply for the Label after its expiration. The Label may be renewed upon a simple written request addressed to the Committee via the EFC Scientific Secretary and, subject to agreement of the Committee, payment of a 3-year labelling fee. The Committee may determine to call for re-application if there are any doubts relating to the validity of the use of the Label or the course quality and outcomes.

TRANSITIONAL PROVISIONS

15. In the initial period, the labelling scheme is reserved for courses owned, developed, and maintained by European Member Societies of the EFC, or supported by the European Member Societies. In future, the Label may be open to all EFC members.
16. Only European Member Societies of good standing are entitled to apply for the Label.
17. There is an initial reduction of the labelling fee for applications delivered in 2021 and 2022 of 200 Euro per course.
18. The labelling fee scheme shall be re-examined in the future in view of the documented administration costs and advantages provided to the Member Societies.

EFC Approved Courses: General Rules and Application (Continued)**ENDORSED EDUCATION****APPLICATION FOR EFC COURSE ENDORSEMENT AND LABELLING**

Course Name		
Course Subject¹		
Course Level^{2,3}		
Short summary of course⁴		
Contact link to web site for information, to be included on EFC web site		
Course Language		
Examination Language		
Course location Country/Countries		
EFC European Member Society making this application⁵		Margin to be used by Assessors to approve/disapprove
Does the Society Own this course?		
IF NOT, who does?		
Is the Society responsible for the teaching/delivery of the course?		
IF the Society does not deliver the course, who does?		

¹ Examples: cathodic protection, pipe coating inspection, microbially assisted corrosion, atmospheric corrosion testing

² E.g., ISO 15256 Levels 1 to 5 or the Council of the European Union Recommendation 2107/C 189/03 Levels 1 to 8. Note, by comparison the ISO L5 is EU L8, the ISO L4 is EU L6 or L7, ISO L3 is EU L3 or L4, ISO L2 is EU L1 and ISO L1 is EU L1

³ Applicants are encouraged to submit multiple Levels of courses, where they exist and for which Labelling is required, to facilitate efficient administration

⁴ 5 lines maximum

⁵ It is mandatory that any application is supported and proposed by a European EFC Member Society and that Society confirms the accuracy of the information submitted. By making this Application the Society confirms that it considers the course to be competent and professionally delivered

EFC Approved Courses: General Rules and Application (Continued)**ENDORSED EDUCATION**

Was the course authored by the Society		
IF NOT, who did?⁶		
Is there a governing procedure for course development, assessment and delivery?*		
Is there a governing procedure for training centres or places of course delivery?*		
IF the course is in accordance with a published National, CEN or ISO Standard, what is that Standard? Or if directed towards a particular Technical Subject, related to corrosion, what is it?		
Outline the audit/review/update process to ensure the course content and delivery are to the required standard/quality		
Is there a detailed Syllabus?*		
Is there related practical, field, instrumentation or laboratory training and assessment?		
Are there defined learning outcomes?*		
Can the course lead to Certification?		
IF YES, by whom / to what Standard and to what Levels		
Who delivers the course (the 'trainers/tutors')?		

⁶ For example, a University or a particular Specialist in conjunction with an EFC Member Society

EFC Approved Courses: General Rules and Application (Continued)**ENDORSED EDUCATION**

What qualifications do the trainers or tutors have?		
Is there a formal feedback process from the course attendees?		
IF YES, how is the feedback collated and assessed?		
How often is the course content reviewed / updated?		
Is there an examination linked to the course? Who sets the questions?		
IF YES, who marks the examination?		
Is the marking moderated (checked by other Examiners)?		
IF YES, what % of marking is moderated?		
Outline examination duration and type⁷		
Summarise what procedures are in place to ensure impartiality of course delivery, assessment and any qualification or certification being issued		
Are the procedures in accordance with standards, e.g. EN/IEC 17024 or ISO 29993?		
FOR RE-APPLICATION Report of Records of Attendee Satisfaction, Complaints and Comments		

*** Copies of documents may be requested by the EFC**

⁷ Examples, open book, closed book essay and multiple choice mix, essay only, multiple choice only

EFC Approved Courses: General Rules and Application (Continued)**ENDORSED EDUCATION****Contact information**

Representative of the Applicant	
Phone number	
E-mail	
Legal address for invoicing the labelling fee	
VAT Number	

EFC Book Series

EFC BOOK SERIES

Wolfram Fürbeth – March 24, 2021

EFC Book Series: to be published

- 1st edition Vol. 70: Mechanical and (electro) -chemical interactions under tribocorrosion (Eds. Pierre Ponthiaux, Jean-Pierre Celis)
Announced for 1st August 2021
- 1st edition: Humidity and electronics: corrosion reliability issues and preventive measures (Eds. Rajan Ambat, Kamila Piotrowska)
Announced without date
- 1st edition: Corrosion in amine treating units (Ed. Johan van Roij)



EFC Book Series (Continued)

EFC Book Series: in preparation

- 1st edition: „Corrosion in sea water cooling systems“ (V. Bour-Beucler, F. Ropital, WP 9+15) – preparation ongoing
- 1st edition: „Corrosion resistant low alloy structural steels“ (Prof. Xiaogang Li in cooperation with WP 6&8) – draft written
- 1st edition: „Protection of cultural heritage against corrosion“ (from WP21) - preparation ongoing
- 1st edition: „Recent advances made on the understanding of carbon steel corrosion mechanisms in marine media“ (from WP9) – status unknown
- Revised edition Vol. 16: „Carbon steel cracking in oil & gas“ (from WP13) - status unknown
- 1st edition: „Corrosion and low carbon energies“ (Damien Feron from EFC-WCO workshops in 2020) – just started
- 4th edition Vol. 55: „Corrosion under insulation“ (Gino de Landtsheer, WP 15) – revision of 3rd ed. planned for 2023/2024



Polish journal Publication (Continued)

WYDARZENIA



Wirtualny EUROCORR 2020

Europejska Federacja Korozyjna – działalność w 2020 roku

Europejska Federacja Korozyjna (European Federation of Corrosion – EFC) zrzesza europejskie (i nie tylko) firmy i organizacje we wspólnych działaniach w obszarze korozji i ochrony przed korozją. Za cel stawia sobie postęp w dziedzinie nauki w zakresie ochrony przed korozją poprzez promowanie współpracy międzynarodowej. W styczniu 2020 r. EFC liczyła 38 stowarzyszeń członkowskich (Member Societies and Affiliate Members), reprezentując interesy ponad 25 000 inżynierów i naukowców.

EFC z dumą przedstawia najważniejsze wydarzenia z 2020 roku; w 2021 roku i w kolejnych latach będzie kontynuować działania na rzecz zrzeszonych w niej stowarzyszeń.

WYBORY

Od 1. stycznia 2021 dr. Jörg Vogelsang, z Sika Technology AG w Zurychu zastąpił prof. Arjana Mola na stanowisku Prezydenta Federacji. Zespół EFC serdecznie dziękuje profesorowi Arjanowi Molowi za dwuletnią owocną i intensywną pracę i wita dra Jörga Vogelsanga w tej roli, jak również prof. Tomáša Proška (Uniwersytet w Pradze, Czechy), jako nowego Wiceprezydenta EFC.



Dr. Jörg Vogelsang



Prof. Tomáš Prošek

EUROCORR

Europejska Federacja Korozyjna z powodzeniem organizuje udane wydarzenia online: wirtualny Kongres EUROCORR, który odbył się w dniach 7–11 września 2020 r. i zgromadził około 600 osób, które mogły wysłuchać blisko 400 wykładów wygłoszonych w 8 równoległych sesjach. Wykłady były dostępne online dla zarejestrowanych uczestników do końca listopada 2020 r.

Kongres EUROCORR planowany w Brukseli został odwołany z powodu kryzysu Covid-19 i przesunięty na 2023 rok.



We protect and
beautify the world™

High-Temperature Resistance

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81-537 Gdynia
tel. 58 774 99 00
fax 58 774 99 01
customers@ppg.com

Polish journal Publication (Continued)

WYDARZENIA



Prof. Stuart Lyon



Dr Philippe Dillman



Prof. Fabrizio Zucchi

NAGRODY EFC

Profesor Stuart Lyon (Wielka Brytania) otrzymał **Medal Europejskiej Federacji Korozyjnej**;

Dr Philippe Dillman (Francja) został uhonorowany **członkostwem honorowym EFC**;

Profesor Fabrizio Zucchi (Włochy) otrzymał **Medal Cavallaro**.

Podczas Kongresu EUROCORR przyznano także inne nagrody: **Best Poster Award, Best Presentation Award i EUROCORR Young Scientist Grant**.

Prof. Stuart Lyon został nagrodzony za znaczący wkład w badania nad korozją atmosferyczną i ochroną przed korozją powłokami organicznymi, jak również za badania korozyjne przy użyciu nowatorskich technik analitycznych stosowanych w celu pogłębienia wiedzy na temat mechanizmów korozji. Prof. Lyon zdobył międzynarodowe uznanie jako naukowiec w dziedzinie korozji, który oprócz prac na poziomie akademickim zajmował się praktycznym zastosowaniem wiedzy w zakresie ochrony przed korozją. Znajduje to odzwierciedlenie w jego dużym dorobku publikacyjnym w wielu wysoko ocenianych czasopiśmie.

Jury doceniło wybitne osiągnięcia Dra Philippe Dillmana w badaniu mechanizmów korozji artefaktów, a także w opracowaniu odpowiednich metod konserwacji tych artefaktów. Philippe Dillman utworzył Grupę Roboczą nr 21 „Korozja artefaktów metalowych dziedzictwa kulturowego” (*Corrosion of Heritage Metallic Artefacts*), obecnie znaną pod nazwą „Korozja artefaktów archeologicznych i historycznych” (*Corrosion of Archaeological and Historical Artefacts*), której był pierwszym przewodniczącym przez sześć lat (2007–2013). Jest jednym z redaktorów

„Zielonej księgi” EFC poświęconej zabytkom dziedzictwa kulturowego, *Corrosion of Heritage Metallic Artefacts* (EFC nr 48) oraz publikacji EFC nr 65 *Corrosion and Conservation of Cultural Heritage Metallic Artefacts*.

Prof. Fabrizio Zucchi otrzymał medal Cavallaro za wkład w rozwój i rozpowszechnianie wiedzy w zakresie ochrony przed korozją za pomocą inhibitorów stosowanych do hamowania korozji ogólnej, korozji wżerowej, wnikania wodoru i naprężeniowego pękania korozyjnego różnych stopów konstrukcyjnych. Jego badania przyczyniają się do pogłębienia wiedzy na temat ochrony przed korozją za pomocą silanów, do zrozumienia mechanizmów naprężeniowego pękania korozyjnego stali nierdzewnych, niklu, mosiądzu, stopów aluminium, stali duplex i superduplex oraz do uzyskania informacji o korelacji między naprężeniowym pękaniem korozyjnym a wnikaniem wodoru w stalach węglowych i z procesu duplex, a także do zrozumienia zachowania korozyjnego materiałów dentystycznych – w szczególności materiałów dentystycznych w sztucznej ślinie, amalgamatów rtęci i cementów gipsjonometrycznych do stomatologii zachowawczej oraz stopów złota o różnej szlachetności dla protetyki.

LAUREACI GRANTÓW DLA MŁODYCH NAUKOWCÓW

Na kongresie EUROCORR 2020 przyznano po raz piąty granty dla młodych naukowców. Celem grantów, wprowadzonych przez EFC w 2016 r., jest stymulowanie interakcji i współpracy w ramach międzynarodowej społeczności korozyjnej poprzez zapewnienie wsparcia finansowego młodym korozjonistom, aby mogli nawiązać współpracę i odwiedzić zagraniczne ośrodki zajmujące się ochroną przed korozją. Każdego roku na kongresie przyznawane są najwyższe trzy stypendia dla młodych naukowców, wynoszące maksymalnie 1500 euro każde.

Ponadto, w ramach partnerstwa między EFC a Chińskim Towarzystwem Korozji i Ochrony przed Korozją (Chinese Society for Corrosion and Protection – CSCP), darowizna z CSCP umożliwia przyznanie dodatkowej dotacji w wysokości 1500 euro. Oprócz tego CSCP przyznaje bezpośrednie wsparcie w wysokości 3000 euro zwycięzcom, których współpraca obejmuje podróżowanie między Chinami a Europą.

W tym roku granty otrzymali:

- **Safiya Al Abri**, Uniwersytet w Manchesterze (UK), która odwiedzi dr Joao Tedima, na Uniwersytecie w Aveiro (Portugalia), gdzie będzie pracować nad organiczno-ceramicznymi powłokami hybrydowymi do ochrony aluminium przed korozją;
- **Edoardo Basilico** z IFP Energies nouvelles/INSA-Lyon (Francja), który odwiedzi prof. Anne Neville, na Uniwersytecie w Leeds (UK), gdzie będzie zajmował się badaniami zwiększonej cementytem aktywności katodowej i jej wpływem na miejscową korozję stali węglowej.

Więcej informacji o stypendium EUROCORR:

<http://efcweb.org/ysg>, zakładka „EFC Awards”.

Polish journal Publication (Continued)

WYDARZENIA

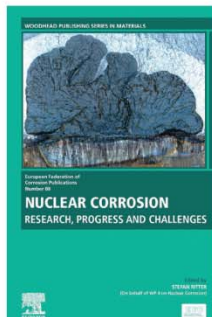
PUBLIKACJE

W sierpniu 2020 roku opublikowano 2 nowe książki z serii EFC:

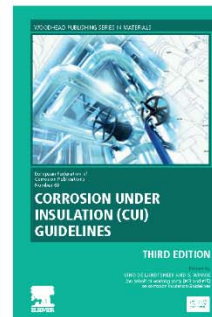
- *Nuclear corrosion: research, progress and challenges*, pod redakcją Grupy Roboczej nr 4 „Nuclear Corrosion”, pod przewodnictwem Stefana Rittera;

- Trzecie wydanie *Corrosion Under Insulation (CUI) guidelines* opracowane przez Grupę Roboczą nr 13 (Corrosion in Oil and Gas production) i 15 (Corrosion in the Refinery and Petrochemistry industry), pod przewodnictwem Gino De Landtsheera.

Członkowie EFC otrzymują 30% zniżki na wszystkie publikacje EFC zamawiane w sklepie Elsevier.



NOWOŚĆ. Książka EFC nr 69. Omówienie w „Ochronie przed Korozją”, nr 10/2020, str. 349



Książka EFC nr 55, III edycja

AKTYWNOŚĆ NAUKOWA

EFC realizuje swoje najważniejsze działania poprzez grupy robocze i grupy zadaniowe zajmujące się różnymi aspektami korozji i jej zapobiegania. Oprócz publikacji i organizacji sesji EUROCORR, Grupy Robocze regularnie organizują inne wydarzenia, np. seminaria internetowe EFC nt. „Ochrona przed korozją za pomocą powłok organicznych” oraz „Korozja jądrowa”, które odbyły się w maju i czerwcu 2020 r. Powołano również nową grupę roboczą „Korozja atmosferyczna”, której przewodniczy prof. Tomáš Prošek.

AKTYWNOŚĆ W INTERNECIE

EFC poprawiła swoją obecność i widoczność w Internecie dzięki nowej stronie internetowej uruchomionej w maju 2020 r. Strona ta oferuje poszczególnym członkom EFC możliwość logowania się i otrzymywania wiadomości związanych z określonymi przez nich obszarami zainteresowań.

EFC jest teraz obecna również na LinkedIn, na którym utworzono dwie strony: oficjalną stronę EFC, na której regularnie publikowane są wydarzenia i wiadomości oraz grupę dyskusyjną EFC, na której członkowie społeczności korozyjnej mogą wymieniać informacje, szczególnie na tematy naukowe i techniczne.

YOUNG EFC

Young EFC, poza silnym zaangażowaniem w Dzień Świadomości Korozyjnej 24 kwietnia 2020 r., proponuje działania wspierające społeczność młodych korozjonistów. Działania Young EFC w 2020 roku obejmowały program mentorski, organizację bezpłatnego webinarium pt. „Jak napisać referat” prof. Arjana Moła, które odbyło się 20 stycznia 2021 r., a także promowanie równości płci poprzez wyeksponowanie działalności kobiet – korozjonistek. Więcej informacji i zapisy na wydarzenia proponowane przez Young EFC dostępne są na stronie EFC.

CZŁONKOSTWO

Specjalna oferta obejmująca członkostwo stowarzyszone i stoisko wystawiennicze na EUROCORR cieszyła się zainteresowaniem w 2020 roku i została odnowiona na EUROCORR 2021 wraz z Programem lojalnościowym dla wystawców. Termin przystąpienia do tych programów to 28 lutego 2021 r. Więcej informacji można znaleźć na stronie Europejskiej Federacji Korozyjnej.

DZIEŃ ŚWIADOMOŚCI KOROZYJNEJ

Edycja Dnia Świadomości Korozyjnej w 2020 r., który przypada 24 kwietnia, była silnie wspierana przez Young EFC. Zaproszono młodych naukowców do aktywnego udziału w działaniach online związanych z nauką i inżynierią korozyjną.

Działania te obejmowały konkurs fotograficzny, rozpowszechnianie artykułów i filmów, bezpłatne kursy i seminaria internetowe – wszystkie organizowane przez studentów, stowarzyszenia i firmy zrzeszone w EFC. Podsumowanie tych działań jest dostępne na stronie internetowej EFC. Odbyło się również udane seminarium internetowe na temat technologii niskoemisyjnych zorganizowane przez Światową Organizację Korozji (WCO).

Dr. Hélène Illaire, EFC Managing Officer



Oficjalna strona EFC na LinkedIn



Grupa dyskusyjna EFC na LinkedIn



Dostęp do strony EFC



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fax 58 774 99 01
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Report on Task Force on EFC Strategy



EFC-NACE TASK FORCE

Gareth Hinds – 24th Mar 2021

Collaboration

- Narrowed down areas of potential collaboration and identified lead contacts for EFC and AMPP
- Young people is main area for collaboration – linking Young EFC and AMPP, outreach activities
- Joint meetings are attractive to both organisations, e.g. energy transition, additive manufacturing
- AMPP can provide advice to EFC on lobbying EU Commission to highlight importance of corrosion
- Will avoid standards (except in oil and gas sector) and training courses, as these are competing



Report on Task Force on EFC Strategy (Continued)

Strategy

- Terms of MoU
 - ▣ EFC will provide 2 complementary EuroCorr registrations to AMPP (matching AMPP offer)
 - ▣ Both EFC and AMPP agree not to organise conferences on each other's territory, other than those with a specific corrosion theme
 - ▣ Both organisations agree to contact the other directly rather than through individual societies or local organising committees



Collaboration

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- Young people is main area for collaboration – linking Young EFC and AMPP, outreach activities
- Joint meetings are attractive to both organisations, e.g. energy transition, additive manufacturing
- AMPP can provide advice to EFC on lobbying EU Commission to highlight importance of corrosion
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EUROCORR 2024 - Paris: Bid from France

**EUROCORR 2024 in Paris, France
1-5 September 2024**

Presentation of the bid to the EFC Board of Administrators

Presenters:

Philippe Marcus, Chimie ParisTech, CEFRA COR, Paris (F)
Laure Filloux, VIPARIS (F)

Organisers:

CEFRACOR
Chimie ParisTech
DECHEMA

EUROCORR 2024 will focus on

“A step forward in societal awareness of material degradation issues”



EFC Virtual BoA meeting, 25 March 2021

1

The recent history and the near future of EUROCORR

EUROCORR of the past 7 years:

EUROCORR 2014, Pisa, Italy (8-12 September 2014)
EUROCORR 2015, Graz, Austria (6-10 September 2015)
EUROCORR 2016, Montpellier, France (11-15 September 2016)
EUROCORR 2017, Prague, Czech Republic (3-7 September 2017)
EUROCORR 2018, Krakow, Poland (9-13 September 2018)
EUROCORR 2019, Seville, Spain (9-13 September 2019)
Virtual EUROCORR 2020 (7-11 September 2020)

The 3 years to come:

EUROCORR 2021, Budapest, Hungary (19-23 September 2021), Virtual
EUROCORR 2022, Berlin, Germany (28 August-1 September 2022)
EUROCORR 2023, Brussels, Belgium (6-10 September 2023)

This bid:

EUROCORR 2024, Paris, France (1-5 September 2024)

EFC Virtual BoA meeting, 25 March 2021

2

EUROCORR 2024 - Paris: Bid from France (Continued)

Paris, The Place To Meet

- Paris is the world's leading tourist destination with 50 millions of visitors per year
- Easily accessible from anywhere in the world
- City with an exceptional architectural cultural and historical heritage
- World's most competitive International Convention Destination Ranking 2019–Gaining Edge
- Resources and expertise for hosting international congresses Paris ranks 1st city in the 2019 ICCA's rankings
- 1,084 congresses gathering 922,900 delegates in 2019.
- Paris is also a mix of atmospheres and cultures with something new to offer around every corner: monuments, architecture, historic avenues, parks and gardens ...
- Average attendance of international congresses between 10 and 30% higher when held in Paris



3

PARIS, AN EASILY-ACCESSIBLE CITY



Paris Region is connected to the world thanks to its infrastructures and its central geographic position.

- 2 international airports**
Paris – Charles de Gaulle & Paris – Orly with more than **112 million passengers (2019)**
- 14,000 flights** a week
- Both international airports operate services to and from **697 cities ; 78 cities** in more than **30 countries** are linked to Paris by low-cost airline companies

EFC Virtual BoA meeting, 25 March 2021

4

EUROCORR 2024 - Paris: Bid from France (Continued)

THE EUROPEAN CROSSROADS FOR RAIL TRAVEL

- **6 train stations** located in the city and **train station in the region**
- Linked to **20 European cities**
- European & French high-speed trains: **425 high-speed trains a day**
- **6,200 trains** travelling daily on the 3,900 km Paris region network
- **19 million TGV passengers** travelling from Paris to main European destinations



DESTINATIONS	LENGTH OF JOURNEY	NUMBER OF DIRECT TRAINS PER DAY
AMSTERDAM	3hrs15	10
BARCELONA	6hrs25	2
BASEL	3hrs05	6
BRUSSELS	1hr20	25
COLOGNE	3hrs15	5
FRANKFURT	3hrs50	3
GENEVA	3hrs05	8
LONDON	2hrs15	19
LUXEMBOURG	2hrs05	6
STRASBOURG	2hrs20	12

EFC Virtual BoA meeting, 25 March 2021

5

Efficient and diversified public transport network

- 16 Metro lines serving 304 stations
- 13 suburban train lines
- 9 green & noiseless tramlines
- 378 bus lines
- 18,000 taxis
- 21,000 TNC
- 10,000 Velib' (Parisian bikes) at 800 stations
- 3,500 electric scooter bikes
- 3,500 km of cycle lanes
- 3 companies renting kick scooters

NEW: PARIS "NAVIGO EASY" CARD

- Contactless plastic card
- No photo ID required
- No subscription required, no conditions
- Access to Paris metro, regional buses*, tramways, trains in central city (*except airport buses)
- Rechargeable (up to 30 trips)
- Valid 10 years



6

EUROCORR 2024 - Paris: Bid from France (Continued)

Palais des Congrès de Paris

- **Exceptional location** in the city center close to the Champs-Élysées and the Arc de Triomphe
- **Excellent visibility** in the heart of this fast evolving Parisian district
- 45 min by car / shuttle bus from Roissy CDG Airport
- Prime environment with exclusive shops, restaurants and different means of transportation
- **On-site accommodation** with more than 2,000 hotel room
- **Versatile venue** tailored to host events from 600 up to 5,000 + participants
- 19,000 sqm of exhibition space, 4 auditoria (from 373 up to 3,723 seats), 104 modular meeting rooms
- **Years of experience** well known for professional events, numerous international European congresses

The **EUROCORR congress at The Palais des Congrès de Paris**
will offer your delegates the opportunity to **experience Paris like a Parisian**



7

15 minutes' walk from the Arc de Triomphe, Champs-Élysées, wooded parks (Bois de Boulogne) and La Défense business district

1 Porte Maillot

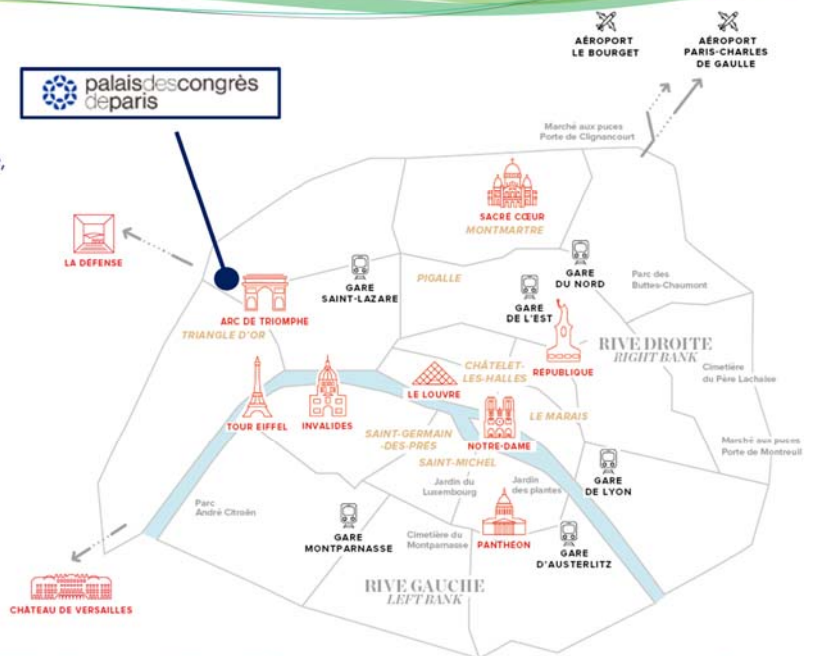
C Neuilly - Porte Maillot

43 73 82 244 PC1 PC3
Air France Bus
Shuttle to Beauvais Airport

3 taxi stand in close proximity

P Public parking area with 1,500 spaces

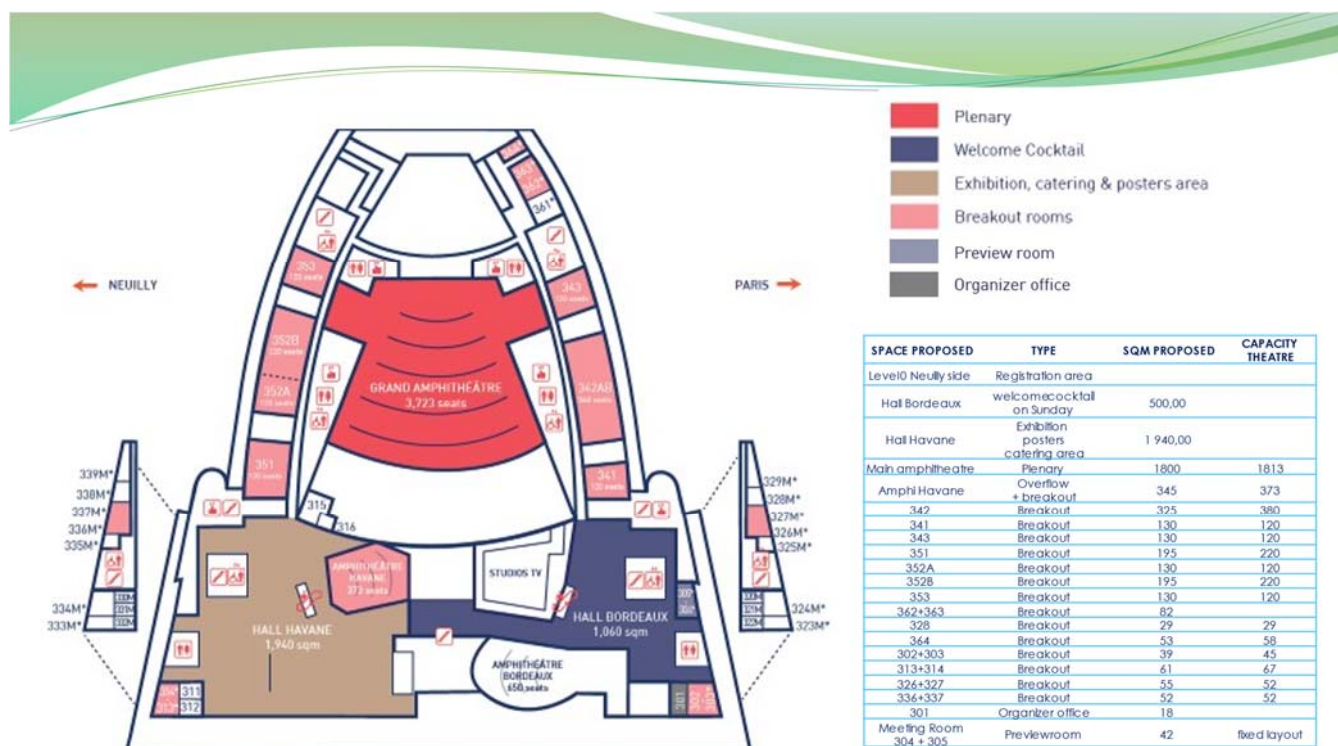
25 minutes from Roissy Charles-de-Gaulle and Orly airports



EFC Virtual BoA meeting, 25 March 2021

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EUROCORR 2024 - Paris: Bid from France (Continued)

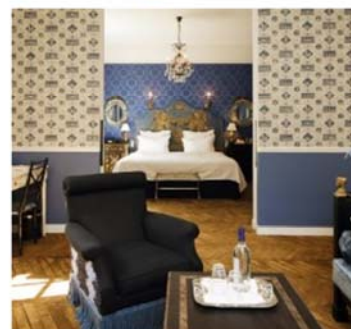


Hotels for every taste and every budget

Paris's accommodation offer includes a **wide range** of hotels for every taste and every budget:

- ✓ World's biggest hotel capacity
- ✓ Greater Paris has 121,646 rooms
- ✓ 87,539 rooms in central Paris in 2,056 hotels
- ✓ 202 aparthotels
- ✓ 9,310 beds in youth accommodation

HOTELS AND ROOMS IN GREATER PARIS IN 2019		
CATEGORY	Number of hotels	Number of rooms
5*	94	8,678
4*	493	40,247
3*	819	42,395
2*	246	13,480
1*	25	787
UNRATED	379	16,059
TOTAL	2,056	121,646



Affordable accommodation will be available for PhD Students and young researchers (average rate per night is of 29€)

An housing agent dedicated to EUROCORR 2024 will be appointed for facilitating negotiation and contracting room blocks.

EUROCORR 2024 - Paris: Bid from France (Continued)**EUROCORR 2024 Budget**

INCOMES		EXPENSES	
Registration fees	650 000	Congress Center	350 000
		Catering	200 000
		Promotion and Publications	35 000
Sponsors	120 000	Administration Secretariat	100 000
		EFC Levy	60 000
		Miscellaneous	25 000
Total	770 000	Total	770 000

EFC Virtual BoA meeting, 25 March 2021

11

EUROCORR 2024 Registration Fees

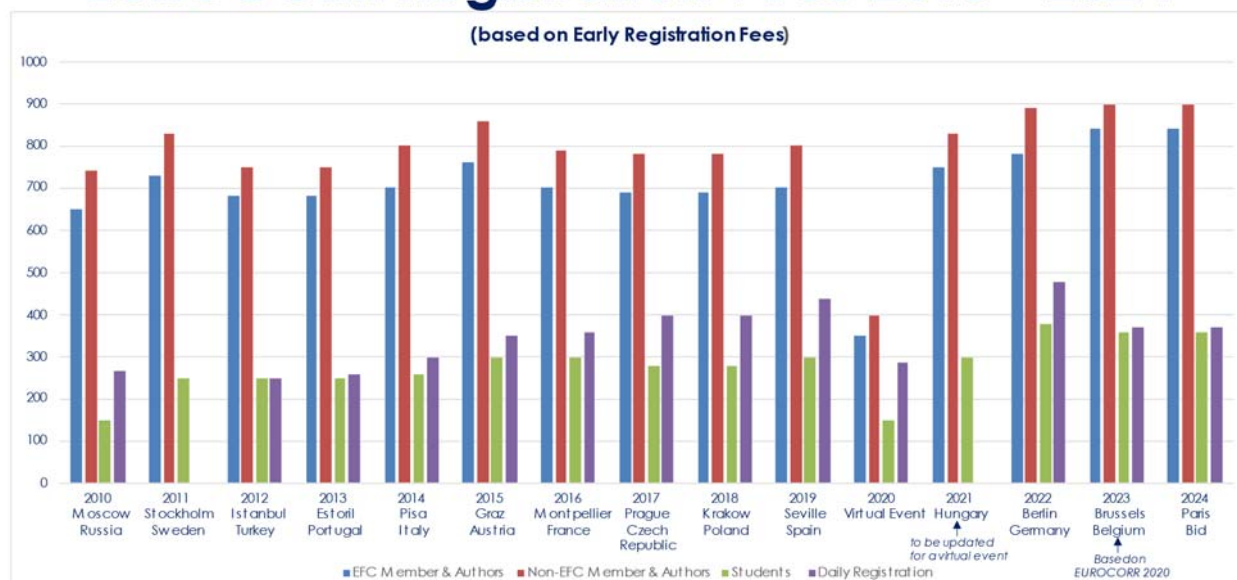
Registration fees (€)	early	regular	on site
Member EFC	840	910	970
Non-Member EFC	900	960	1020
Students	360	400	450
One Day	370	420	450

EFC Virtual BoA meeting, 25 March 2021

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EUROCORR 2024 - Paris: Bid from France (Continued)

EUROCORR Registration Fees 2010 - 2024



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The scientific program of EUROCORR 2024

EUROCORR 2024 general theme:

“A step forward in societal awareness of material degradation issues”

In addition to the scientific areas covered by the Working Parties, the following topics will be included:

- Corrosion and corrosion protection issues in additive manufacturing
- Design and performance of corrosion resistant High Entropy Alloys (Multi-Principal Element Alloys)
- Durability of materials for hydrogen-based energy systems
- Certification in corrosion and corrosion protection

EFC Virtual BoA meeting, 25 March 2021

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EUROCORR 2024 - Paris: Bid from France (Continued)

The Scientific Program at a Glance

Sunday, 1 September 2024														
10:30 - 19:30 Registration and Welcome Reception														
Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	
08:45 - 10:15 Opening Ceremony														
10:15 - 10:45 Award Ceremony														
10:45 - 11:15 Award Lecture														
11:30 - 12:15 Plenary Lecture														
12:15 - 14:00 Lunchtime														
14:00 - 14:30	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1
14:30 - 14:45	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2
14:45 - 15:00	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3
15:00 - 15:15	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4
15:15 - 15:30	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5
15:45 - 16:15 Coffee Break														
16:15 - 16:30	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6
16:30 - 16:45	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7
16:45 - 17:00	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8
17:00 - 17:15	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9
17:15 - 17:30	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10
17:30 - 18:00 Exhibition Opening Ceremony and Reception														
Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	
08:40 - 09:00	Keynote	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1
09:00 - 09:15	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2
09:15 - 09:30	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3
09:30 - 09:45	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4
09:45 - 10:00	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5
10:00 - 10:30 Coffee Break														
10:30 - 11:15	oral 6	oral 6	Keynote	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6
11:15 - 11:30	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7
11:30 - 11:45	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8
11:45 - 12:15	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9
12:15 - 12:30	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10
12:30 - 14:00 Lunchtime														
14:00 - 14:30	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11
14:30 - 14:45	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12
14:45 - 15:00	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13
15:00 - 15:15	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14
15:15 - 15:30	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15
15:45 - 16:15 Coffee Break														
16:15 - 16:30	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16
16:30 - 16:45	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17
16:45 - 17:00	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18	oral 18
17:00 - 17:15	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19	oral 19
17:15 - 17:30	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20	oral 20
17:30 - 18:00 Poster Session Party														

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The Scientific Program at a Glance

Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	
08:40 - 09:20 Plenary Lecture														
09:20 - 09:40 Break for changing rooms														
09:40 - 10:00	Keynote	oral 1	oral 1	Keynote	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1
10:00 - 10:20	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2
10:20 - 10:50 Coffee Break														
10:50 - 11:10	oral 3	Keynote	oral 3	oral 3	Keynote	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3
11:10 - 11:30	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4
11:30 - 11:50	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5
11:50 - 12:10	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6
12:10 - 12:30	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7
12:30 - 14:00 Lunchtime														
14:00 - 14:20	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8
14:20 - 14:40	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9
14:40 - 15:00	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10	oral 10
15:00 - 15:20	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11	oral 11
15:20 - 15:40	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12	oral 12
15:40 - 16:10 Coffee Break														
16:10 - 16:30	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13	oral 13
16:30 - 16:50	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14	oral 14
16:50 - 17:10	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15	oral 15
17:10 - 17:30	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16	oral 16
17:30 - 17:50	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17	oral 17
18:00 Conference Dinner														
Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11	Room 12	Room 13	Room 14	
09:00 - 09:20	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1	oral 1
09:20 - 09:40	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2	oral 2
09:40 - 10:00	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3	oral 3
10:00 - 10:20	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4	oral 4
10:20 - 10:50 Coffee Break														
10:50 - 11:10	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5	oral 5
11:10 - 11:30	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6	oral 6
11:30 - 11:50	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7	oral 7
11:50 - 12:10	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8	oral 8
12:10 - 12:30	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9	oral 9
12:30 End of EUROCORR 2024														

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EUROCORR 2024 - Paris: Bid from France (Continued)

Conference Dinner at the City Hall of Paris



The City of Paris will be happy to welcome EUROCORR 2024 in one of its most prestigious reception rooms at:

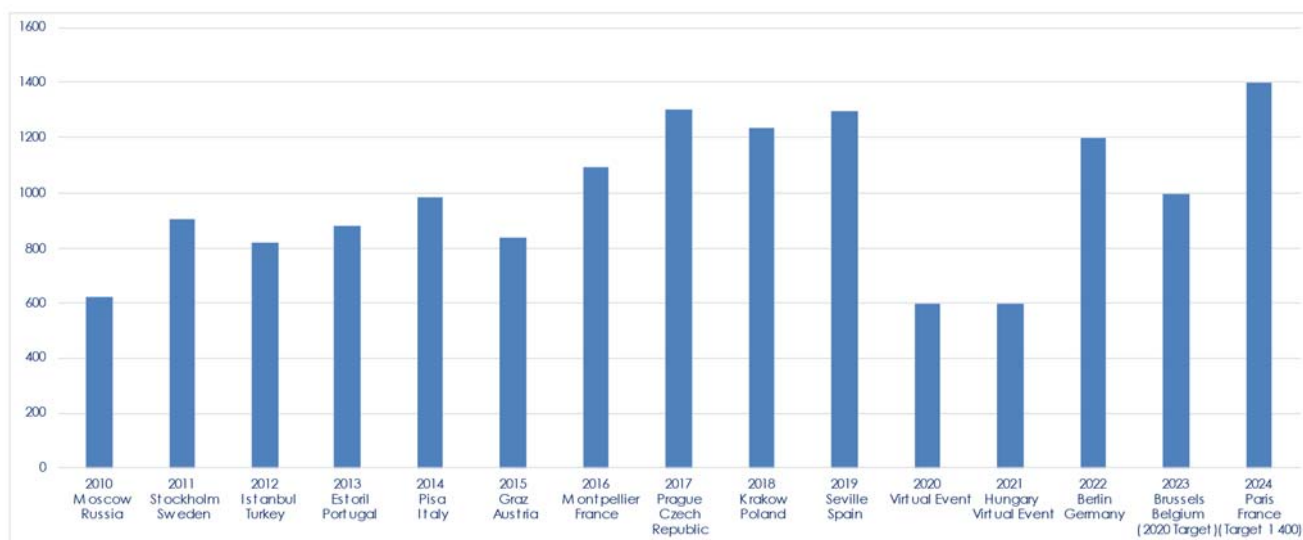
The "Hôtel de Ville" (City Hall)

- ✓ Right at the heart of events that marked French history
- ✓ Highly symbolic building
- ✓ Located right in the middle of the city next to Notre-Dame Cathedral
- ✓ Capacity: up to 1,200 guests
- ✓ Travelling time from the Palais des Congrès to the venue: 22 minutes by public transportation

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Attendance to EUROCORR since 2010



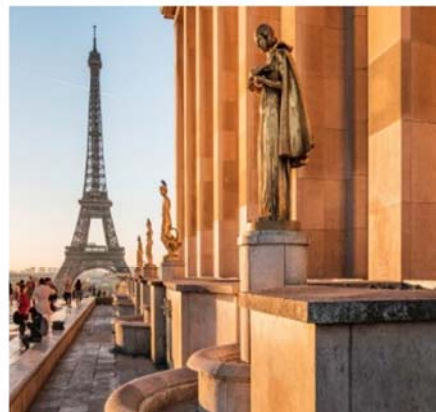
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EUROCORR 2024 - Paris: Bid from France (Continued)

TOP 10 REASONS TO COME TO PARIS

1. Location of EUROCORR 2024 in Paris will attract more people and enhance the EFC worldwide visibility
2. 15% to 30% more attendance than anywhere else in the world
3. Easy access for delegates worldwide
4. Conference center located inside the city
5. Accommodation offer for every taste and every budget (including students)
6. Attractive and prestigious cultural destination
7. One of the world's cheapest and most comprehensive city transport network
8. Special events for PhD students, social events and a strong exhibition will make the whole conference more attractive
9. Strong and motivated scientific community including academia (several universities), national research centers (CNRS, CEA) and industry (aeronautic, automotive, energy, oil and gas and more).
10. Expertise and experience in hosting congresses



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You are cordially invited to Paris
for a fruitful conference and an exciting time!



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