

BOARD OF ADMINISTRATORS

Seville, Spain

September 9, 2019

MINUTES

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MINUTES

Meeting of the Board of Administrators
of the
European Federation of Corrosion
Seville, Spain, September 9, 2019

Venue of meeting: **Barceló Sevilla Renacimiento**
Av. Álvaro Alonso Barba, s/n,
41092 Sevilla - Spain
Room Triana

Date and time of meeting: **Monday 9 September 2019 - 13h30**

Chairman: **Prof. J.M.C. (Arjan) MOL (EFC President)**

Secretary: **Mrs. Pascale Bridou Buffet (Paris Office)**

**EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
SEVILLE, 9 SEPTEMBER 2019**

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- Item 2 Apologies for absence (PBB)
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- Item 4 Report on STAC Activities (WF)
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- Item 5 Administrative Matters
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 - 5-6 Elected Membership STAC (AM, WF)
 - 5-7 Affiliate Membership Program (HI)
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 - 5-9 EFC Visibility (RB + HI)
- Item 6 Financial issues (JB)
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 - 6-4 Budget for 2020
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- Item 7 EFC Activities
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 - 7-2 Report of the Managing Officer and Approval of the Duties of the Managing Officer (HI)
 - 7-3 Report on Activities of Young EFC (YGG)
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 - 7-6 EFC Publications
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**EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
SEVILLE, 9 SEPTEMBER 2019**

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- Item 8 EUROCORRs
- 8-1 EUROCORN Organisation
 - 8-1.1 Loyalty Program for EUROCORN Exhibitors (HI)
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 - 8-2 EUROCORN Series: 2019 to 2022
 - 8-2.1 EUROCORN 2019, Seville (Spain) - Final Report
 - 8-2.2 EUROCORN 2020, Brussels (Belgium) - Progress with Arrangements
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 - 8-2.4 EUROCORN 2022, Berlin (Germany) - Initial Progress Report
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- Item 9 International activities
- 9-1 Report on activities in the Middle-East (FM, FH)
 - 9-2 NACE International: Task Force on EFC Strategy (GH)
 - 9-3 Report on Activities in Singapore (HI or DF)
 - 9-4 WCO (World Corrosion Organisation) (WM)
 - 9-5 IUPAC (International Union of Pure and Applied Chemistry) (DF)
 - 9-6 Possible Cooperations in Russia (DF, AM)
- Item 10 EFC Events and Calendar of Events.
- 10-1 EFC China 2019 Conference, October 9-12 2019, Chongqing, China (TP)
- Item 11 Any other Business (AM)
- Item 12 Date and Place of next BoA (AM)

EUROPEAN FEDERATION OF CORROSION

MEETING OF THE BOARD OF ADMINISTRATORS

Seville, 9 September 2019

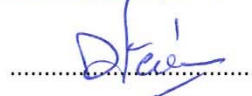
ATTENDANCE LIST

Signatures

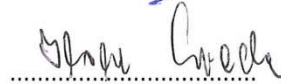
Dr. J. S. FERNANDES (Portugal)



Prof. D. FÉRON (France), Past-President



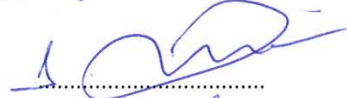
Dr. Ing. A. KRÓLIKOWSKA (Poland)
Represented by Dr. Iwona GAJECKA



Dr. J.M.C. A MOL (The Netherlands), President



Prof. Dr. A. V. MURADOV (Russia)



Prof. M.-G. OLIVIER (Belgium)



Dr. T. PROŠEK (Czech Republic)



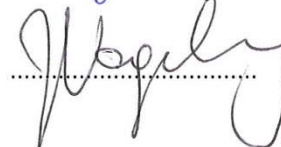
Prof. Dr. E. PROVERBIO (Italy)



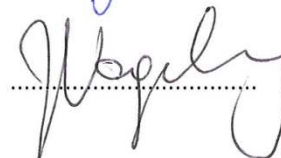
Mr. M. ROCHE (France)



Prof. Dr. T. I. TÖRÖK (Hungary)
Represented by Dr. Balint MEDGYES



Dr. J. VOGELSANG ^{Switzerland} ~~(Germany)~~, Vice-President



EUROPEAN FEDERATION OF CORROSION

MEETING OF THE BOARD OF ADMINISTRATORS

Seville, 9 September 2019

ATTENDANCE LIST

Signatures

EX OFFICIO REPRESENTATIVES:

Dr. R. BENDER, Scientific Secretary and WebSite (Germany)



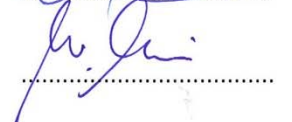
Mrs. J. BUGAJEVA, Honorary Treasurer (United Kingdom)



Mrs. H. ILLAIRE, Managing Officer (France)



Dr.-Ing. W. FÜRBETH, Chairman of the STAC (Germany)



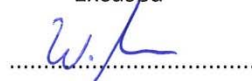
GENERAL SECRETARIATS:

Frankfurt Office (Germany):

Mrs. I. HONNDORF

Excused

Prof. Dr. W. MEIER (Germany)



London Office (United Kingdom):

Dr. G. HINDS



Dr. C. CHURCH

Excused

Paris Office (France):

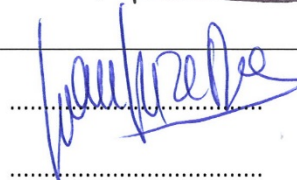
Mrs. P. BRIDOU BUFFET



Prof. Ph. MARCUS

GUEST(S) AND OBSERVER(S):

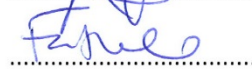
Prof. J. de DAMBORENEA, EUROCORR 2019 (SOCIEMAT, Spain)



Dr. F. HANNOUR, Relation between EFC and Middle East (Qatar)



Dr. Y. GONZALEZ GARCIA (Young EFC)



Prof. F. MONTEMOR, Relation between EFC and Middle East (Portugal)



UNCONFIRMED MINUTES OF THE EFC BOARD OF ADMINISTRATORS (BoA)

Item 1 Opening of the meeting

Prof. Arjan Mol, President of the EFC and Chairman of the meeting, opened the meeting and welcomed the delegates present (see attendance list).

Item 2 Apologies for Absence

Mrs. Pascale Bridou Buffet, Paris Office, announced apologies received for absence:

Dr. C. CHURCH (London Office, UK);
Mrs. I. HONNDORF (Frankfurt Office, Germany);
Dr. F. HANNOUR (Qatar).

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 meeting in Seville (1st & 2nd April 2019) were approved.

Item 4 Report on STAC Activities

4-1 *Summary of the STAC Meeting*

Prof. Wolfram Fürbeth, Chairman of the STAC, reported on progress of the STAC, as follows (see also **Appendix 1**):

Financial Support for Working Parties (WPies): the Working Party (WP) 7 on Corrosion Education requested financial support to develop activities with the Young EFC, education courses, "Mentoring program". The EFC Budget already provides a line dedicated to financial support for WPs. The BoA is waiting for a proposal describing the proposed actions to decide to allow financial support or not.

Transformation of the Task Force on CO₂ Corrosion in CCS-Applications into WP: The STAC approved the transformation of the TF on CO₂ into a WP. The STAC has received the written support of 5 EFC Member Societies (AIM, Croatian Society for Materials Protection, GfKORR, fks, NKF) when 4 are enough, see paragraph 14.2.2 of the Bye-Laws. The BoA agreed the transformation of the TF into a new WP for recommendation to the GA for final approval.

Formation of a Task Force on "Corrosion in Green Energy Technologies": the formation of a TF on Corrosion in Green Energy Technologies proposed by Dr. François Ropital received the support of the STAC. The leaders of this working group have to be nominated.

Collaboration with NACE: The cooperation with the EFC/NACE group on NATO is running well. Meetings are regularly organised twice a year: on the occasion of the NACE Corrosion Conference and on the occasion of EUROCORR. The last meeting was in March 2019 in Nashville. Some standards projects are to be finalised in 2019, see **page 2 of Appendix 1**. Within WP13 (Oil & Gas), a close relationship with the Upstream Oil & Gas activities can be underlined as well as the organisation of a session at NACE.

Book Series in preparation: The books in preparation are given **page 3 of Appendix 1.**

Jury Members for the EFC Medal 2020: the BoA Members were informed that Prof. Wolfram Fürbeth (as STAC Chairman), Prof. Rajan Ambat, Prof. Ralf Feser and Dr. François Ropital have been nominated as Jury Members for the EFC Medal 2020.

Poster Prize: the number of Jury Members of the Poster Prize is now 6 including the STAC Chairman, a board Member of Young EFC and four other members chosen during the meeting of the STAC that immediately precedes the Congress.

The Jury for 2019 is composed with: Prof. Wolfram Fürbeth (as STAC Chairman), Dr. Pierangela Cristiani, Dr. Wilhelm Erning Dr. Yaiza Gonzalez-Garcia (Young EFC), Dr. Stefano Mischler and Dr. Krzysztof Wolski. About 100 poster authors have registered for the prize competition.

Honorary Fellow Award: the BoA Members were informed that Prof. Ing. Wolfram Fürbeth (as STAC Chairman), Stefan Ritter and Prof. Philippe Marcus have been nominated as Jury Members from STAC for the Honorary Fellow Award 2020.

Cavallaro Award 2020: the BoA Members were informed that Dr. Wolfram Fürbeth, STAC Chairman, Dr. Delphine Neff, Mrs. Elizabeth Szala and Prof. Günter Schmitt have been nominated as Jury Members for the Cavallaro Award 2020. Dr. Fabrizio ZUCCHI, Italy, Director of the Corrosion Study Centre of the University of Ferrara will be the Chairman of the Jury.

Election of STAC Chairman: Prof. Wolfram Fürbeth reminded that the three-year term of his position as STAC Chairman will expire at the end of 2019. He announced that he has been re-elected by the STAC for a new term of 3 years starting at the beginning of January 2020.

4-2 *Nomination by the BoA of the BoA Jury Members for the Honorary Fellow Award*

BoA Members were invited to nominate the BoA Jury Members for the Honorary Fellow Award. Mr. Marcel Roche and Dr. Jörg Vogelsang were solicited and agreed to be the BoA representatives for the Honorary Fellow Award jury for 2020.

Item 5 Administrative Matters

5-1 *Strategic Plan*

The strategic plan was designed by the EFC Strategy Group when Michael Schütze was the President of EFC (2006-2008) and has been revised and updated when Prof. Philippe Marcus (2009-2012), Prof. Lorenzo Fedrizzi (2012-2014) and Prof. Fátima Montemor were the Presidents of the EFC. The BoA Members were reminded that the last revision of the Strategic Plan was established for the period 2015 - 2019 during the presidency of Prof. Fátima Montemor.

During the President Advisory Committee (PAC) Meeting, which took place on 9 July 2019 in Paris, on the basis of the current activities of the EFC, the PAC Members confirmed the necessity to revise the Strategic Plan. A Task Force EFC Strategic Plan 2020-2024 composed of the Scientific Secretary, Dr. Roman Bender, the STAC Chairman, Prof. Wolfram Fürbeth and lead by the Vice-President, Dr. Jörg Vogelsang has been set up.

Appendix 2 provides the preliminary goals presented by Dr. Jörg Vogelsang to be considered to draw a Strategic Plan for the period of 2019 – 2023 with the aim to strengthen the EFC position as the leading Federation in Europe.

Apart from the creation of events focused on industry or events organised with partners such as ACA, CSCP, NACE, WCO..., he proposed to develop the relations with representatives of EU

Commission. A first step could be to invite some EU Commissioners to EUROCORR 2020, which will take place in Brussels, to take part at the Opening Ceremony.

He announced that the next step will be the proposal of a detailed Strategic Plan with targets and action holders.

5-2 EFC Digital Strategy

A reflection to proceed with a Digital Strategy for the EFC was initiated by Prof. Willi Meier during the BoA Meeting in Kraków on 28 March 2018.

He underlined the necessity for the EFC to review its communication strategy with the community and to update its digital tools, including especially the website and the digital tools for EUROCORR. During this meeting, a Task Force has been set up composed with the Scientific Secretary, the Vice-President, the Managing Officer and a representative of the Young EFC, and led by Prof. Willi Meier. During the BoA Meeting which took place on 9 September 2018 in Kraków, Prof. Willi Meier presented the architecture of the recommended project and the costs of such scheme if realised by the Frankfurt Office.

During the General Assembly Meeting which took place on 10 September 2018 in Kraków, the BoA was asked to realise a call for tender to obtain comparable quotations from others providers.

During the PAC Meeting (PACM) which took place in London on 26 November 2018, an action was placed on Prof. Willi Meier to circulate a document presenting the characteristics/specifications of the EFC Digital System to BoA Members and Young EFC, and to send IOM3 and CEFRACOR a document that will allow to ask for quotations from third-parties.

During the BoA Meeting which took place on 1st and 2nd April in Seville, Prof. Willi Meier underlined that before realising a call for tenders, it is necessary to identify the key persons of the EFC who will use and manage the website, and to implement a project group with those people in order to design the detailed specifications in regard of the needs of the EFC.

He suggested that this Working Group will be led by himself and composed of representatives of the German, London and UK Offices, the Managing Officer, the Scientific Secretary, the Chairman of the STAC and a representative of the Young EFC.

He proposed that the document with the technical specifications designed by the Working Group will be finalised at the end of June 2019 to be sent out to some competitive providers.

Prof. Willi Meier reported on progress on the establishment of these technical specifications and the implementation of the EFC Digital Strategy.

Appendix 3 provides the elements he proposed to be taken in consideration to relaunch the EFC Website.

He suggested to consider the new EFCE Website, which will be opened the week after EUROCORR, as a base of work to establish the specifications needed for the EFC Website, this Federation being structured and functioning similarly as the EFC.

Besides, he presented an Excel file which has been established with the detailed criteria to be followed by suppliers when they will be solicited for a quotation.

These documents will be discussed during a meeting of the TF on Digital Strategy scheduled during EUROCORR 2019.

The BoA agreed to follow this process but underlined that as the work has already been done for the EFCE, if this structure is adapted for the EFC Website, the cost must be lower for the EFC.

5-3 Applications for EFC Membership

Dr. Roman Bender reported that the application from CIDETEC Surface Engineering to join the EFC as Affiliate Member was approved by the BoA and the GA not long ago by an e-mail voting process, see Appendix 1 of the Working Papers.

An application to join the EFC as Affiliate Member was received in last July from the company “Integrated Global Services”, see Appendix 2 of the Working Papers.

This company is specialised in on-site corrosion protection in the power and energy sectors. They execute 100-150 projects each year, protecting internal surfaces of pressurised vessels and boilers with High Velocity Thermal Spray coatings.

Some of their solutions have been adopted and included in corporate standards by O&G and Power sector majors as a long-term corrosion prevention measure.

They look for knowledge exchange with key corrosion experts that could lead to the development of more effective corrosion protection materials, techniques and standards.

Members of BoA agreed to recommend to the GA to approve the application of Integrated Global Services to join EFC.

5-4 Elections to BoA

It was reminded that, according to Article 14 of the EFC Statutes:

“The BoA shall consist of a President and Vice-President as the most powerful executives of the Association, the Immediate Past President and twelve administrators all with full voting rights, supported by the *ex officio* offices of Treasurer and Scientific Secretary who have no voting rights. The twelve administrators shall be drawn from Member Societies of the Association in good standing as follows:

- a. Four administrators, one each nominated by the three countries providing the General Secretariat offices (France, Germany and UK) and one from the country of registration in law (Belgium) of the Association;
- b. A minimum of three elected administrators drawn from amongst European Member Societies in countries other than the countries providing the four administrators in (a);
- c. Subject to satisfying (b), five elected administrators, drawn from amongst the EFC Member Societies at large, i.e. European and International Member Societies.

The four nominated administrators are subject to ratification by the General Assembly. The eight elected administrators are subject to election by the General Assembly.

Each Member Society can nominate one candidate for election in accordance with the above BoA composition with only one administrator from a Member Society sitting on the BoA at any one time.

The General Assembly shall endeavour to maintain on the BoA a balance between representatives of industry and academia.

All elected administrators shall serve on the BoA for a period of three years in the first instance. At the expiry of this term of office, they may seek re-election/nomination to serve for one further term (3 years). After that they are not eligible to stand as an administrator until a further term (3 years) has elapsed.”

The EFC President, Prof. Arjan Mol, reminded that the Frankfurt Office has solicited nominations for election of the new BoA from the Member Societies. The responses received were as follows:

Administrators nominated by the three countries providing the General Secretariat Offices and from the country of registration in law:

Belgium	Prof. Marjorie OLIVIER, <i>to be confirmed</i> (Founder Member country)
France	Prof. Philippe MARCUS (Founder Member country)
Germany	Prof. Willi Meier (Founder Member country)
UK	Mr. Gareth HINDS (Founder Member country)

Nominated by European Member Societies drawn from European Members in countries other than the four administrators:

AIM (Italy)	Prof. Edoardo PROVERBIO (proposed for re-election)
AKI (Czech Republic)	Dr. Milan KOURIL (proposed for election)
CEFRACOR (France)	Mr. Marcel ROCHE (proposed for re-election)
DECHEMA and GfKORR (Germany)	Dr. Patrick KEIL (proposed for election)
Hungarian Corrosion Society (Hungary)	Dr. Bálint MEDGYES (proposed for election)
Polish Corrosion Society (Poland)	Dr. Eng. Agnieszka KRÓLIKOWSKA (proposed for re-election)
SPM (Portugal)	Prof. Mario G. S. FERREIRA (proposed for election)
Swiss Society for Surface Treatment	Dr. Patrik SCHMUTZ (proposed for election)

The CVs of the nominated persons received were provided in alphabetic order in Appendices 3 – 10 of the Working Papers.

The BoA approved the submission of these candidates to the General Assembly for the election. The GA will be invited to elect up to eight individuals who have been proposed for election or re-election.

5-5 Elections to STAC

The EFC President, Prof. Arjan Mol, reminded that the Frankfurt Office has solicited nominations for STAC from the Members Societies. The responses received were as follows:

AIM (Italy)	Dr. Pierangela CRISTIANI (proposed for election, <i>to be confirmed</i>)
CEFRACOR (France)	Mr. Marcel ROCHE (proposed for re-election)
DECHEMA and GfKORR (Germany)	Prof.-Ing. Ralf FESER (proposed for re-election)
Hungarian Corrosion Society (Hungary)	Dr. Bálint MEDGYES (proposed for election)
ANTIKOR (Russia)	Prof. Alexander V. MURADOV (proposed for election)

The CVs of Prof.-Ing. Ralf FESER and Prof. Alexander V. MURADOV were provided respectively in Appendices 11 and 12 of the Working Papers.

The EFC President, Prof. Arjan Mol reminded that the STAC also includes all the Working Party Chairmen as full members with voting rights. So, as Dr. Pierangela Cristiani is already a Working Party Chair, she is already a STAC member. In case she will not resign from this position, her nomination will not be proposed to the GA.

The BoA approved the submission of all the four other candidates to the GA for inclusion in the election.

The BoA was reminded that the maximum number of elected representatives to the STAC is 6. The GA will be invited to elect up to six representatives of the individuals who have been proposed for election or re-election.

5-6 Elected Membership

In accordance with the EFC Bye-Laws, six members of the STAC are elected by the GA. However, in practice, their possible contribution to the STAC activities is not always used to its full potential and they put a burden on the yearly EUROCORR budget as they have complimentary registration. The election of STAC members (on top of the WP Chairs) stems from the early days of EFC when the number of WPs was limited and extra brain power from the elected members was welcomed. Due to the fact that more than 20 Working Parties belong to the EFC and that the WP Chairs are members of the STAC, this body may be considered to have outgrown itself.

During the PACM which took place on 9 July 2019 in Paris, the proposal of the EFC President to reconsider the addition of elected members to STAC in the future starting at the end of the period 2020-2022 was endorsed.

The BoA Members were reminded that the position of elected member of the STAC were historically important when the number of Working Parties were smaller.

At the time being, the number of Working Parties is more than 20 and this number will certainly continue to grow up in the future with the development of the EFC activities.

After a vote, a majority of the BoA Members were in favour of abandoning the elected members for the STAC.

This recommendation in addition with the necessity to update the related article of the EFC Bye-Laws will be presented to the GA for final approval. The item 12 of the EFC Bye-Laws would be proposed to be modified as follows:

"12 THE SCIENCE AND TECHNOLOGY ADVISORY COMMITTEE

The Science and Technology Advisory Committee shall advise the EFC on scientific, technological and educational matters and the implementation of decisions concerning these.

12.1 Membership of the Science and Technology Advisory Committee

Three ~~Four~~ groups of people may attend meetings of the Science and Technology Advisory Committee, as follows:

~~12.1.1 Elected members~~

~~*The General Assembly shall elect six members from names submitted by Member Societies having Full Member status. The Frankfurt Office will issue a call for nominations at least six months before the date of the General Assembly at which the election is to be made. The nominations should be submitted by the Frankfurt Office to the BoA who will examine the list of candidates to ensure that at least five countries will be represented in the list for submission to the General Assembly. The BoA may not withhold any name from the list but will seek to obtain further nominations from Member Societies if the "five country representation" requirement is not being met. The list of nominations should be included in the working papers for the General Assembly.*~~

~~*The six elected members may exercise a vote in the Science and Technology Advisory Committee.*~~

~~*It is desirable that elected members include representation from industrial organisations, including consultants.*~~

~~*The elected members of STAC shall hold office for three years and may be reappointed.*~~

12.1.12 ~~*Chairmen of EFC Working Parties are full members with the same voting rights as elected members. The Scientific Secretary and the Chairmen of the STAC Task Forces are invited to attend meetings of STAC in an ex officio capacity without the right to vote.*~~

12.1.23 ~~*The President and Vice-President of the EFC, a representative of the Young EFC as well as representatives of the EFC Secretariat may attend meetings but without voting rights.*~~

12.1.34 ~~*Others who can contribute to the work of the EFC may attend meetings of the Science and Technology Advisory Committee by invitation of the STAC Chairman but without voting rights. [...]"*~~.

5-7 Affiliate Membership Program

The Managing Officer, Dr. Hélène Illaire, reported that the package for Affiliate Membership was presented at the April 2019 BoA Meeting in Seville. This package is available for exhibitors at

EUROCORR 2020 and it was possible for them to register during EUROCORR 2019. The deadline to benefit of this package is 28 February 2020.

BoA Members were reminded that the package gives a 16% discount on the Affiliate Membership and 25% discount on the booth at EUROCORR 2020.

This package is available on the websites of EFC, EUROCORR, and EUROCORR 2020. A special registration form was designed.

This package was also promoted with a mailing sent to all exhibitors and past exhibitors. It is also planned to be advertised during EUROCORR 2019 with an article in the EFC Newsletter included in the delegate bags, information sheets distributed directly to the exhibitors and a slide to be shown in conference rooms before and between sessions.

5-8 UBO Register in Belgium

Due to a European Directive whose main aim is to combat money laundering and the financing of terrorism, a Royal Decree of 30 July 2018 on the operating procedures of the UBO (Ultimate Beneficial Owner) Register entered into force in Belgium on 31 October 2018. The deadline for the registration for all Belgian Associations is 30 September 2019.

The Managing Officer, Dr. Hélène Illaire, explained that the UBOs are not only the administrators, but also the persons entitled to represent the association, and the persons in charge of the daily management. The list of concerned EFC representatives is as follows:

- Administrators;
- Persons entitled to represent the a(i)sbl;
- Persons in charge of the daily management of the a(i)sbl or the foundation;
- The foundation's founders;
- The natural persons or, when those persons have yet to be determined, the class of persons in whose main interest the legal arrangement or entity is set up or operates;
- Any other natural person exercising ultimate control over the a(i)sbl or the foundation by other means.

This register, maintained by the SPF Finance, General Treasury Administration, must centralize adequate, accurate and current information on the beneficial owners of incorporated companies in Belgium, trusts, foundations, (international) non-profit associations, and legal entities similar to trusts.

The Managing Officer, Dr. Hélène Illaire, underlined that this UBO forces all societies to establish this register. She has already collected the requested documents and this registration will be done by Veerle Fincken, from the EFC Belgian Office.

5-9 EFC Visibility

During the BoA Meeting which took place on 1st and 2nd April in Seville, Dr. Roman Bender reported that many European people are visiting the EFC Booth each year at NACE Conference, and most do not know about EUROCORR.

During the BoA Meeting in Seville, the Past-President, Prof. Damien Féron suggested to make the promotion of the EFC on the occasion of other events like the EFCE Congress proposing them to present EFCE during the EUROCORR. The same could also be done with EUROMAT.

It has also been proposed to advertise EFC during theACHEMA, for example with a common booth with GfKORR.

During the BoA Meeting in Seville, an action was placed on Dr. Roman Bender to prepare a plan and budget on how to give more publicity for EUROCORR.

Appendix 4 provides a list of events where the EFC can participate with booth (for free or paying) or to be present for more visibility. This table presents also the corresponding estimated costs and it clearly appears that it will be expensive for the EFC Budget.

Dr. Roman Bender recommended that the EFC would have more visibility distributing EFC Flyers, printed Newsletters during these events. He also proposed to distribute promotional material labelled EFC, which is cheaper than to have a booth taking into account the travel expenses and the time spent.

The BoA approved the proposal that when an EFC Member will ask for an EFC Event Number, they will be requested to distribute the promotional material which will be sent for that purpose.

Appendix 5 provides 3 examples of pens with the associated budget for 1.000 items. These pens would be available only at the EFC Booth for people visiting the stand.

The BoA approved this proposal and agreed on the cheapest model.

On the other side, Prof. Fátima Montemor suggested to also provide for another category of gifts to be distribute to “high level people” such as Chinese’s representatives or EU Commissioners.

Item 6 Financial Report

Appendix 6 provides the Financial Report presented by the Honorary Treasurer, Mrs. Julija Bugajeva.

6-1 Current Subscriptions Position

The Honorary Treasurer, Mrs. Julija Bugajeva, reported that at 1st January 2019, the EFC has 35 Member Societies (MS). At the time of the meeting, 29 EFC Members Societies have paid the 2019 subscription fees while 4 Member Societies (MS) are still to pay.

It has to be noted that the membership has been suspended for 2 MS in accordance with the article 11 and 12 of the EFC Statutes and article 8.4 of the Bye-Laws, see **page X of Appendix 6**.

6-2 Accounts for 2018 and Budget for 2019

The Honorary Treasurer, Mrs. Julija Bugajeva, presented the provisional accounts for the year 2018 and the budget for 2019, see **pages X of Appendix 6**.

She underlined that 2018 was a successful year because in addition of the €48,000 received as subscription fees the EUROCORN levy was more than €30,000.

Further, the expenditure for publicity (such as support for Working Parties and EFC visibility) was lower than budgeted.

The BoA approved the budget for 2018 to be proposed for final agreement by the GA.

The BoA agreed the proposed budget for 2019 as shown to be presented at the GA for final approval.

6-3 EFC Subscription Fees for 2020

Considering that the EFC is in good financial statement, even if the EFC member subscription fees have remained at the same level, despite of the inflation level of 1,1%, the Honorary treasurer recommended to not increase the subscription fee for 2020.

The Honorary Treasurer, Mrs. Julija Bugajeva, proposed to maintain the subscription fees for 2020 as the same level than 2018 and since 2015 as follows:

	2015 - 1018	2019
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 agreed to not increase the EFC membership fees according to the inflation with 7 approval and 5 against.

The BoA agreed on the proposed subscription fees for recommendation to the General Assembly for final approval.

She reminded that only 5 EFC Member Societies to 18 based in EU are not registered for VAT in their home countries. The EFC will continue to pay the VAT on behalf of these societies.

6-4 Budget for 2020

The Honorary Treasurer, Mrs. Julija Bugajeva, presented proposals for the budget for 2020, see **page X of Appendix 6**.

Following the STAC Meeting, expenditures for support for Working Parties could be revised upwards upon request.

€45,000 has been earmarked for strategic actions planned for 2020 such as increasing the EFC visibility and support for Young EFC actions. These strategic actions also include:

- redevelopment of EFC website to a more modern and mobile friendly version (approx. cost €40,000), and
- development of common standards for corrosion training courses, particularly in the countries where courses are not offered by member societies (approx. cost €5,000).

The BoA approved the proposed budget for 2020.

6-5 Adoption of Financial Report

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

Item 7 EFC Activities

7-1 Report of the Scientific Secretary

The report of the Scientific Secretary, Dr. Roman Bender, covering activities since the last April 2019 BoA meeting was provided in Appendix 14 of the Working Papers.

The BoA approved the Scientific Secretary Report.

7-2 Report of the Managing Officer and Approval of the Duties of the Managing Officer (HI + AM)

7-2.1 Report of the Managing Officer

The report of the Managing Officer, Dr. Hélène Illaire, covering activities since the last April 2019 BoA meeting was presented in Appendix 15 of the Working Papers.

The BoA approved the Managing Officer Report.

7-2.2 Duties of the Managing Officer

The contract of the Managing Officer must be renewed.

In accordance with the article 17.1 of the EFC Bye-Laws, the “duties of the Managing Officer are detailed in the contract of the Managing Officer and are decided by the PAC and approved by the BoA”.

Prof. Philippe Marcus underlined that the activities of the Managing Officer concerned not only actions for increasing incoming money but include the coordination of EFC activities as well as some administrative tasks.

A meeting was planned during EUROCORN 2019 to discuss these duties for the period 1st September 2019 → 31st December 2020.

7-3 Report on Activities of Young EFC

A report of the Young EFC network activities, covering activities since the last April 2019 BoA meeting were provided in Appendix 16 of the Working Papers.

Appendix 7 presents a summary of this report.

The BoA approved of the Young EFC report presented by Dr. Yaiza Gonzalez-Garcia.

7-4 European Corrosion Directory

Mr. Gilbert Assant, the current publisher of the EFC Newsletter, contacted sometimes ago Dr. Damien Féron to propose to the EFC a project of European Corrosion Directory.

The idea is to gather in a book the corrosion-related companies in Europe obtained from lists collected from professional directories from each European countries.

During the PACM Meeting which took place in London on 26 November 2018, Mr. Gilbert Assant proposed to take the financial risk of such a publication and to realise the ‘issue zero’ without the EFC logo and without advertisements. If this first issue proves to be successful, the future issues could be published in cooperation with the EFC who could receive percentage of the benefits.

The PAC Members asked Mr. Gilbert Assant to prepare a detailed agreement for this project, with the help of Prof. Damien Féron. This proposed agreement in English and in French was circulated by the Paris Office to the BoA Members on 22 March 2019, and given in Appendix 13 and 14 of the BoA WP for the Meeting which took place on 1st and 2nd April 2019 in Seville.

During this meeting, Prof. Damien Féron reminded that EFC Member Societies will be invited to provide the areas where people are involved in corrosion in their country. Mr. Gilbert Assant will contact companies to sell them advertisement in order to finance the edition of this directory. Even if he plans to implement offices in different areas of Europe to organise the commercial market, this company is well known by Company members of CEFRACOR because publishing the yearbook of the CEFRACOR members.

During this meeting on 1st and 2nd April 2019, Prof. Damien Féron reminded that EFC Member Societies will be invited to provide the areas where people are involved in corrosion in their

country. Mr. Gilbert Assant will contact companies to sell them advertisement in order to finance the edition of this directory. Even if he plans to implement offices in different areas of Europe to organise the commercial market, this company is well known by Company members of CEFACOR because publishing the yearbook of the CEFACOR members.

During this meeting on 1st and 2nd April 2019, the BoA asked that this project must be described in more details on the planned process of action(s) to implement this directory.

Mr. Gilbert Assant was invited to the President Advisory Committee Meeting which took place on 9 July in Paris to present more detailed specifications of this project and he has been suggested him to prepare an issue "zero" of the European corrosion directory, without the EFC endorsement and without the EFC logo and without the guarantee that EFC will subsequently partner with this project.

Prof. Damien Féron reported that he has had no more contact with Mr. Gilbert Assant since the PACM of July on which he was not able to take part.

Even if this European Directory is a good idea, the BoA Members pointed out that:

- It will be difficult to be sure that all the companies involved in corrosion would be listed in this directory;
- this kind of directory with members of Member Societies would compete with national directories, and thus is not desirable;
- The process proposed to implement and produce this directory seems not to be the good approach.

The BoA decided to wait until the production of the issue "0" but to not take part for the moment.

7-5 Relations with EFC Member Societies

Due to a lack of time, this item is postponed.

7-6 EFC Publications

7-6.1 EFC Book Series

BoA Members were informed that a new book in the EFC book series was published by Elsevier at the end of July 2019. It was edited by Working Group 13 under the lead of Marc Willms and Chris Fowler. It is entitled "Corrosion Resistant Alloys for Oil and Gas Production", see **Appendix 8**.

7-6.2 EFC Newsletter (RB)

The BoA Members were reminded that three EFC newsletters are published annually, one printed and two in electronic form. The printed version is distributed to all participants of the EUROCORR conference. The first annual electronic newsletter appears on the occasion of the Corrosion Awareness Day on 24th April. The second, usually in mid-October/early November, recapitulates EUROCORR and the prizes awarded there. In addition, this newsletter provides a second Call for Papers for the upcoming EUROCORR. The electronic newsletters are edited and sent out by the Frankfurt Office, also with the editorial support of Dr Douglas Mills and Dr Ruth Bingham. The coordination of the printed newsletter also takes place in the Frankfurt Office. The typesetting is taken over by Nouvelle page Communication, free of charge.

7-6.3 Progress with Items/Articles for Publication in the Four EFC Journals

The BoA Members were reminded that articles about the work of the EFC, collected by systematic contacts between the Scientific Secretary and the Working Party Chairmen, appear regularly in the four official journals of the EFC: "**Materials and Corrosion**", "**Corrosion Engineering, Science and Technology (CST)**", "**Matériaux et Techniques**" and "**Ochrona przed Korozją**" ("Corrosion Protection"), see **Appendix 9**. The visibility of the EFC in the new EFC Journal "Ochrona przed Korozją" is particularly noteworthy.

7-7 Last News from EFC Website

The website of the EFC is maintained by the Frankfurt Office. Regular updates appear especially on the pages of the Working Parties and the Calendar of Events, see **Appendix 10**.

The BoA members were kindly reminded of the login and password, which allows them direct access to the restricted area of the website:

Login: **efc-boA**

Password: **member2017BoA**

Item 8 EUROCORRs

8-1 EUROCORR Organisation

8-1.1 Loyalty Program for EUROCORR Exhibitors

The Managing Officer, Dr. Hélène Illaire, reported that the Loyalty Programme, which was requested by exhibitors from previous editions of EUROCORR, was implemented for the first time for EUROCORR 2019 with some measure of success because 19 exhibitors registered as a result of the the mailing advertising the Loyalty Programme. This programme benefits also to the organisers because the exhibitors register early.

This Loyalty Programme will be renewed for EUROCORR 2020 and the deadline for application will be 24 of April 2020.

8-1.2 Evolution of EUROCORR Organisation: Task Force Report

During its meeting in Kraków on 9 September 2018, the BoA approved the creation of an EUROCORR Task Force (TF) composed with the EFC President, Prof. Arjan Mol, the Honorary Treasurer, Mrs. Julija Bugajeva, the Managing Officer, Dr. Hélène Illaire, Prof. Agnieszka Królikowska (EUROCORR 2018), Dr. Tomáš Prosek (EUROCORR 2017) and a representative of each of the EFC General Secretariats offices, to work on possible evolution(s) of the organisation of the EUROCORRs.

The first meeting of this TF took place during the lunch on Monday 1st April 2019 in Seville, just before the first half day of the BoA Meeting. The Managing Officer, Dr. Hélène Illaire, agreed to take the lead of the Task Force.

The discussions covered on how to improve the bidding procedure and the presentation of the bids.

It was agreed to use the very detailed documents sent by the ICCA, International Congress and Convention Association, received by the Manager Officer and distributed to the members of the TF, as a basis to improve the EFC Guide for Bidders including a model of congress budget streamlined as possible but efficient.

The Managing Officer, Dr. Hélène Illaire, explained that a meeting of this Work Group was scheduled in the afternoon of Tuesday 10 September 2019 during which she proposed to discuss the following items:

- finding an alternate period for the organisation of EUROCORR;
- preparation of an EFC Manual for Bidders, including a model of congress budget, on the basis of the manual and budget sent by ICCA (attached);
- preparing a proposal to the BoA regarding the possibility to centralise the organisation of EUROCORRs

The Managing Officer, Dr. Hélène Illaire, will report at the next BoA Meeting the progress of this Task Force.

8-2 EUROCORR Series: 2019 to 2022

8-2.1 EUROCORR 2019 - Sevilla (Spain) - Final Report

Prof. Juan J. de Damborenea reported on the preliminary results of **EUROCORR 2019 in Seville**.

He announced that the number of attendees at the date of the opening of the congress was 1 248 registered, coming from 50 countries. 700 oral presentations 236 Posters were planned.

He underlined that most of the European participants are coming from France, followed by Germany and Spain.

A good participation from China with 92 delegates has also to be noted.

He deemed that most of the cancellation received were related with VISA problems.

He mentioned that most of the courses had to be cancelled due to a lack of participants registering.

He also informed the BoA that the organisers of the ISO Meetings complained about the cost they must pay.

8-2.2 EUROCORR 2020 - Brussels (Belgium) - Progress with Arrangements

EUROCORR 2020 will be held on **6th to 10th of September** in **Brussels**, Belgium, at **SQUARE** (Brussels Meeting Centre). The general theme will be **“Closing the Gap Industry and Academia. Corrosion Predictions by Advanced Measuring, Modelling and Monitoring”**.

Prof. Marjorie Olivier reported on the progress with the arrangements for EUROCORR 2020, see **Appendix 11**.

She underlined that the plenary speakers are already defined as well as the Invited speakers.

She mentioned that a link from the EUROCORR 2020 website directly points to the page of the EFC website dedicated to the Loyalty program.

She also announced that they will implement electronic poster instead the classical exhibition of posters. The BoA members were concerned about this organisation of the posters.

8-2.3 EUROCORR 2021 - Budapest (Hungary) - Report on Preliminary Arrangements

EUROCORR 2021 will be held on **19th to 23rd of September 2021** in **Budapest** Congress Centre, Hungary. The general theme will be **“Materials Science and Advanced Technologies for Better Corrosion Protection”**.

On behalf of Prof. Tamas Istvan Török, Dr. Bálint Medgyes, a member of HUNKOR, reported on the preliminary arrangements for EUROCORR 2021, see **Appendix 12**.

He underlined that the Sponsorship Form and the Exhibition Form are already available as well as the Sponsor Kit.

The proposal of Prof. Alexander Muradov to organise a special event in the memory of Prof. Erika Kalman was well received.

8-2.4 EUROCORR 2022 - Berlin (Germany) - Initial Progress Report

EUROCORR 2022 will be held in **Berlin** at ESTREL Hotel & Congress Centre.

The organisers reported on the initial progress for EUROCORR 2022. They announced that the Congress will take place a week before to not compete with other events, i.e. **28 August to 1st September 2022**.

The general theme is not yet defined.

8-2.5 EUROCORR 2023

Call for Bids for EUROCORR 2023: BoA Members were reminded that bids to host **EUROCORR 2023** should be submitted in writing to the EUROCORR Congress Secretariat at the Frankfurt Office **by mid-January 2020** with a copy to the Scientific Secretary and the Paris Office.

Item 9 International Activities

9-1 Report on activities in the Middle-East

Prof. Fátima Montemor reported on evolution of the activities in the Middle East, see **Appendix 13**. Prof. Fátima Montemor reminded the BoA Members that Dr. Fouzia Hannour had left the Qatar Foundation in last July and that she has now a new position as Director of Strategy of materials and chemicals for the Qatar Free Zone Authority and that she has been approved in March 2018 by the BoA as the official Director of the Middle East Branch.

The aim of the EFC Middle East Branch at Qatar is to be the enabler to capitalize expertise and to develop dedicated solutions for solving current technological challenges related to coatings for assets reliability and corrosion protection, in cooperation with industry and international experts, to strengthen competences in Qatar and to enhance economic and social impacts.

The Qatar Free Zone is a non-profit organization, with important facilities and which gathers key stakeholders interested in oversea collaborations.

The Qatar Free Zone envisions to enhance knowledge and collaborations in the field of coatings, both for conventional and emerging applications.

The QFZ intends to strength links with the EFC, acting as enabler with local stakeholders. Indeed they organised an event during EUROCORR 2019 accessible only by invitation, launching the Branch during a Workshop at the early of 2020 before to ask to join the EFC as International Member.

9-2 NACE International: Task Force on EFC Strategy

During the EFC-NACE meeting in September 2018, NACE informed that they will open an office in Europe.

During the PACM Meeting which took place in London on 26 November 2018, Dr. Gareth Hinds informed that NACE is contacting targeted EFC Member Societies in Europe regarding the Global Partnership Agreement they propose worldwide.

He expressed that the EFC should need a common strategy and policy for its members regarding NACE actions.

An action was placed to Dr. Gareth Hinds to set up a Task Force on EFC Strategy regarding NACE.

Dr. Gareth Hinds reported that the new NACE European Area Manager, M. Stuart Bond, was appointed in Cambridge, UK, with remit to develop NACE relationships at higher level fora (standards, EFC, national associations).

He mentioned that the EFC has received clear acknowledgement from NACE that they will not organise events in Europe with a general corrosion theme. This item should be included in the collaboration agreement.

Regarding the Global Partnership Agreement they propose worldwide, the official position of the EFC is to recommend that Member Societies should not sign it.

A meeting of the Task Force on EFC Strategy regarding NACE was planned during EUROCORR 2019 to discuss on possible collaboration with NACE, see page 2 of **Appendix 14**.

Dr. Gareth Hinds will report on progress of this TF at the next BoA Meeting in spring in Brussels.

9-3 *Report on Activities in Singapore*

Due to a lack of time, this item was not discussed.

9-4 *WCO (World Corrosion Organization)*

Due to a lack of time, this item was not discussed.

9-5 *IUPAC (International Union of Pure and Applied Chemistry)*

Due to a lack of time, this item was not discussed.

9-6 *Possible Cooperations in Russia*

Due to a lack of time, this item was not discussed.

Item 10 EFC Events and Calendar of Events

BoA Members will be reminded that the Calendar of Events is regularly updated on the EFC website by DECHEMA.

The BoA will also be reminded that EFC Calendar of Events also includes non EFC-sponsored events in an attempt to draw outside interest to the EFC as a central source of information on corrosion events throughout the world.

An application form is available in the restricted area for the BoA Members to apply for an EFC Event Number.

10-1 EFC China 2019 Conference, October 9-12 2019, Chongqing, China

Dr. Tomáš Prošek previously reported that he was approached by Chinese corrosionists wishing to organise an event in China in collaboration with EFC. It was agreed that he will represent the EFC in the organisation of the EFC China 2019 1st International Conference on Corrosion Protection which will be held on 9-12 October 2019 in Chongqing, China. This event received the Number 448 as EFC Event Number, which could guarantee a good quality of the scientific level. This event would permit to promote and increase the visibility of the EFC.

During its meeting which took place on 1st and 2nd April in Seville (Spain), the BoA agreed the necessity to establish a contract in English between EFC and the Chinese organisers for which the assistance of an international lawyer would be desirable to take into consideration the Chinese laws.

The Honorary Treasurer, Mrs. Julija Bugajeva, proposed to seek assistance of some of her contacts and the EFC Vice-President, Dr. Jörg Vogelsang proposed that the translation of the contract in Chinese will be overseen by somebody of his team. During Spring 2019 it was decided to use an adapted EFC-EUROCRR agreement as the basis for the contract.

The agreement sent to the local organisers was signed, see **Appendix 14**. The EFC will receive a levy of 10% of the total of registration fee paid by the delegates.

The EFC President, on behalf of the BoA, thanked Dr. Tomáš Prošek for his involvement in this collaboration and the good result obtained for the EFC.

Item 11 Any other Business

Members were invited to raise any other matters.

Prof. Damien Féron, the new WCO President, announced that several WCO coming Events (including sessions during EUROCRR 2020) will deal with potable water, digital strategy corrosion and green energy.

Item 12 Date and Place of next BoA

The next BoA meeting will be held in spring 2020, at a time and place to be announced later.

APPENDICES

Report from STAC



BOARD OF ADMINISTRATORS REPORT FROM STAC

Wolfram Fürbeth – September 09, 2019

Working Party Issues

- Financial support:
 -
- Decision for transformation of TF „CO₂ Corrosion in Industrial Applications“ into WP
- Formation of a new TF on „Corrosion in Green Energy Technologies“
 - supported; leaders to be nominated



Report from STAC (Continued)

EFC/NACE group on NATO standards for marine coatings

- regular semi-annual meetings, e.g. at NACE CORROSION
- last meeting in Nashville in March 2019
- standards to be finalized in 2019
 - AEP59 now SP21416-20XX:
formal approbation of all parties after NACE ballot
 - AEP60 now SP21417-20XX:
last review before approval in March 2019
 - AEP61 now SP21418-20XX:
keep AEP61 with only update of standards; finalize at NACE
 - AEP63 now SP21419-20XX:
last review before approval in March 2019



Cooperation with NACE

- ☐ Within WP13 (Oil & Gas) long-lasting, close relationship with the Upstream Oil & Gas activities and session at NACE; „fruitful and energizing collaboration“
- ☐ Discussion about how EFC/NACE could benefit from each other in the future



Report from STAC (Continued)

EFC Book Series in preparation

- New: „50 years of Nuclear Corrosion – a Review“ (from WP4)
- Revision of EFC Guideline 46 „Amine units corrosion in refineries“ (from WP15)
- No. 55 „Corrosion under insulation guidelines“ (WP 15)
- Best practice guideline on „Corrosion in sea water heat exchangers“ (WP 9+15)
- New: „Protection of cultural heritage against corrosion“ (from WP21)
- New: „Recent advances made on the understanding of carbon steel corrosion mechanisms in marine media“ (from WP9)
- New: „Corrosion reliability of electronics“ (from WP23)



EFC Medal

- EFC Medal Jury 2020:
Wolfram Fürbeth (as STAC Chairman)
Rajan Ambat
Ralf Feser
Francois Ropital



Report from STAC (Continued)

EFC Poster Prize

- Jury 2019:
 Wolfram Fürbeth (as STAC Chairman)
 Yaiza Gonzalez-Garcia (YoungEFC)
 Krzysztof Wolski, Pierangela Cristiani, Stefano Mischler,
 Wilhelm Erning
- About 100 poster authors have registered for the prize competition



EFC Honorary Fellow Award

- Honorary Fellow Award Jury 2020:
 EFC President
 STAC Chairman
 2 members from STAC: Stefan Ritter
 Philippe Marcus
 2 members from BoA: ?
 ?



Strategic Plan: Preliminary goals



STRATEGIC PLAN 2019 – 2023

Jörg Vogelsang – 2019-09-09

Purpose

- The purpose of the strategic plan is to strengthen the position of EFC as the leading European society on corrosion and corrosion protection in a competitive world.
- The main objectives are to strengthen membership relations, to improve international cooperation, to increase EFC visibility worldwide, to ensure a sustainable modus operandi of EFC and consolidate EUROCORR as THE global scientific event in corrosion-related topics.



Strategic Plan: Preliminary goals (Continued)

Strategic goals

1. To strengthen the EFC position as the leading federation in Europe in close dialogue and collaboration with its member societies based on sound, efficient and sustainable internal organisation of EFC.
2. To disseminate the highest level of scientific knowledge by organising globally - recognised events.
3. Enhanced global visibility of EFC by consolidating strategic partnerships in various regions of the world.
4. Increase the number of members with special focus on affiliate memberships.
5. Influence European research agendas with suitable lobbying measures.
6. Establish a European scheme for training and qualification of personal.
7. Knowledge exchange platform for industry in Europe

Details 1

- 1. Strengthen the EFC position
 - Create a sound, efficient and sustainable internal organisation of EFC (President Vice-President / 2020-21)
 - Create a series of industry-focused events (50 to 100 people) in cooperation with member societies (Managing officer / first event in 2021)
- 2. To disseminate knowledge (WP Chairs / STAC / Managing officer)
 - Organising Webinars on special topics e.g. Videos of special lectures from EUROCORR
 - Training Webinars for special measurement techniques or experimental methods
 - Publication of white papers
 - Feasibility studies (e.g. EU)

Strategic Plan: Preliminary goals (Continued)

Details 2

- 3. Enhanced global visibility
 - Organising joint events with e.g. WCO, NACE, ACA, CSCP and others (President and BoA members)
 - Booth during events of partner organisations such as NACE CORROSION (Scientific secretary)
- 4. Increase the number of members
 - Regain lost members and acquire new members with convincing membership packages (Managing officer)
- 5. Influence European research agendas with suitable lobbying measures
 - Invite European Research Commissioner to conferences
 - Invite EU Commission to EUROCORR in Brussels (Marie Olivier begin 2020)
 - Make appointments with EU officials in Brussels

Details 3

- 6. Training and qualification schemes
 - EFC Corrosion passport
 - Influence relevant standardising actions and harmonise qualification across Europe
- 7. Knowledge exchange platform for industry
 - Session at EUROCORR for application oriented industrial presentations
 - Industry centred EUROCORR lecture schedule for industry sectors (Keynote lectures or lectures selected by the WP Chair)
 - Provide show rooms during EUROCORR and other EFC events

Digital Strategy: Specifications New EFC Website

EFC

Relaunch efcweb.org

Concept Responsive Website

Date: 05.09.2019
Contact: Willi Meier
Version: 2.0
Status: *in preparation*

Digital Strategy: Specifications New EFC Website (Continued)

1. Introduction
2. Goals
3. Analysis of Target Groups
 - 3.1. Target Groups
 - 3.2. Person Prototypes
 - 3.2.1. Person New Personal Member (coming via Member Society)
 - 3.2.2. Person Interested Industrialist
 - 3.2.3. Person Volunteer
 - 3.2.4. Person Young Professional
 - 3.2.5. Person Student
 - 3.2.6. Person Industrial Researcher
4. Domains und Languages
5. Navigation
6. Layouts
 - 6.1. Landing Page
 - 6.2. Content Page
 - 6.3. Topic Page
 - 6.4. Search Page
 - 6.5. Event Page
 - 6.6. News Overview
 - 6.7. News Details Page
7. Content Elements
8. Technical Details
9. Documentation

Digital Strategy: Specifications New EFC Website (Continued)

1. Introduction

This document describes the structure and functionalities of the future website and serves as a basis for further implementation after approval by the customer.

2. Goals

- **New target groups**, especially young scientists and students, are addressed.
- The new websites are visually attractive.
- The navigation is clear, the users are stringently guided to the desired content - nobody gets lost.
- The website can be used in its entirety **via smartphone and tablet** (especially conferences/events).
- Double maintenance is avoided, contents are easier to maintain (through better display options and better preparation of contents).
- There are fewer PDF downloads.
- The workflows are identical across all internal areas.
- The website provides a homogeneous view from the outside (even if different editorial offices enter content on the website).

Digital Strategy: Specifications New EFC Website (Continued)

3. Target Group Analysis

3.1. Target Groups

Target Group	Remarks	Priority
Volunteers	Including Working Groups etc	1
New Member		1
Interested Industrialist	End User B2B	1
Students, PhD		2
Professors, Scientists Head of Department		2
Young Scientist		2
Active Researchers (Industry)		2
Press, Journalists		3
Politicians		3
Public		3

3.2. (Person) Target Group Prototypes

In the following the requirements of the different groups concerning the website are listed

3.2.1. Person: New Personal Member (coming via Member Society)

- Wants to find his/her topic well represented
- Wants to find like-minded people
- Wants to find information
- Wants to find people helpful for career
- Wants to find collaboration partner
- Registration for Events
- Registration for different services
- Platform for Presentation of his work

Digital Strategy: Specifications New EFC Website (Continued)

3.2.2. Person: Interested Industrialist

- New Results from Research
- Participant in Events
- Looking for Collaboration Partner
- Position Papers
- Data Bases
- Schedule of Events

3.2.3. Person: Volunteer (WP, Section Member)

- Exchange with Colleagues
- Information about State of the Art
- Publication of own Results
- Looks for Acknowledgement
- Looking for young scientists
- Looking for Cooperation Partner
- **Wants to do something** for his profession
- Registration for Events
- Information about Working Party Meetings
- Wants to become a volunteer (Sections), looks for ways to join

3.2.4. Person: Young Professionals

- **Wants to create networks**
- Research Funding
- Wants to present himself at events
- Scientific Information
- Publication
- Call for projects (EU, etc.)

3.2.5. Person: Student

- Wants to find like-minded people
- Wants to get information about current R&D
- Looking for information about career choices
- Establish contacts to potential employers

Digital Strategy: Specifications New EFC Website (Continued)

3.2.6. Person: Industrial Researcher

- Needs Information about his topic (pushed by his company)
- Focused on specific topic
- Attends conferences, gives lectures
- No interest to become member of a WP

4. Domains and Languages

The website www.efcwb.org and www.efce.info will be the landing address of the Federation web presentation.

The website will be available in English language, it must be checked if national contributions from the different member societies should be published on the website in the respective language. Web Services like deepl. could be linked such that an easy access to a translation engine is possible.

5. Navigation

The following chapters show the planned navigation structure for efcweb.org in the top levels.

As a matter of principle, the numerous cross jumps within the navigation structure that still exist should be avoided as far as possible, as these are very confusing for users. A click on a navigation point should never lead to a change of context. Current and new structure are shown in the following figures.

5.1 Current Website Structure

The Current Website Structure was created around 10 years ago and has experienced some historical grow which led to a complex and even confusing structure. The following figures show the current structure, which indicate the need for a completely new structured way to present the EFCE on our Website.

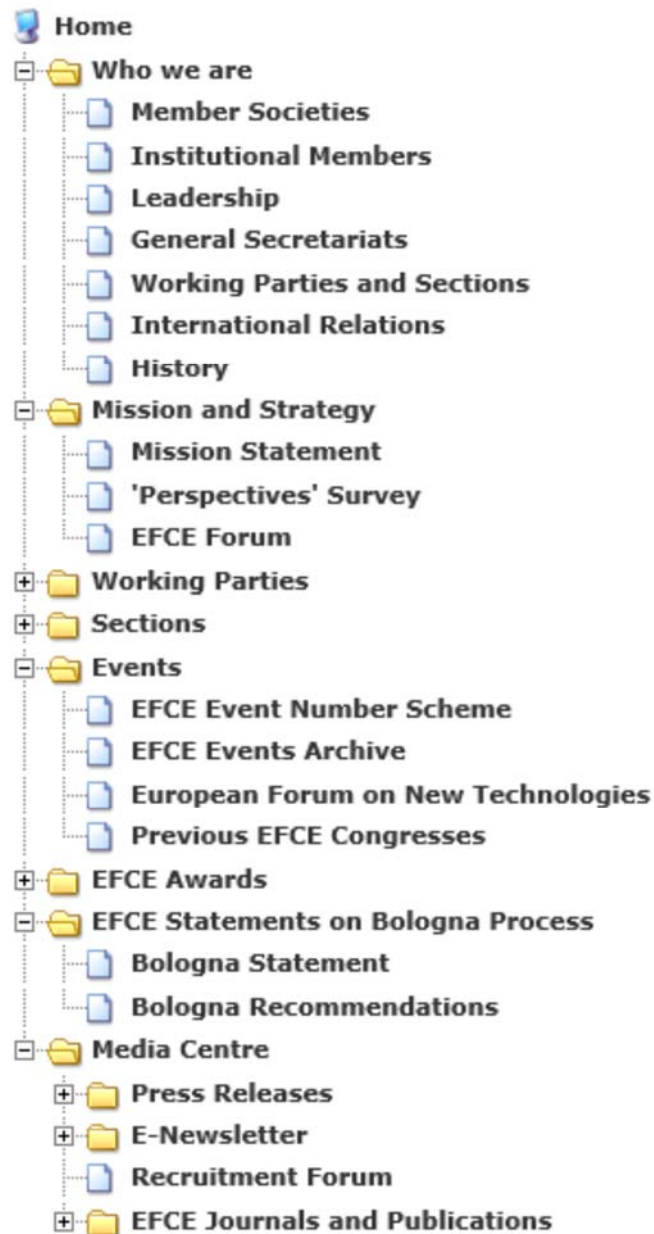
Fig. 5.1:Current Top Level Structure



Digital Strategy: Specifications New EFC Website (Continued)

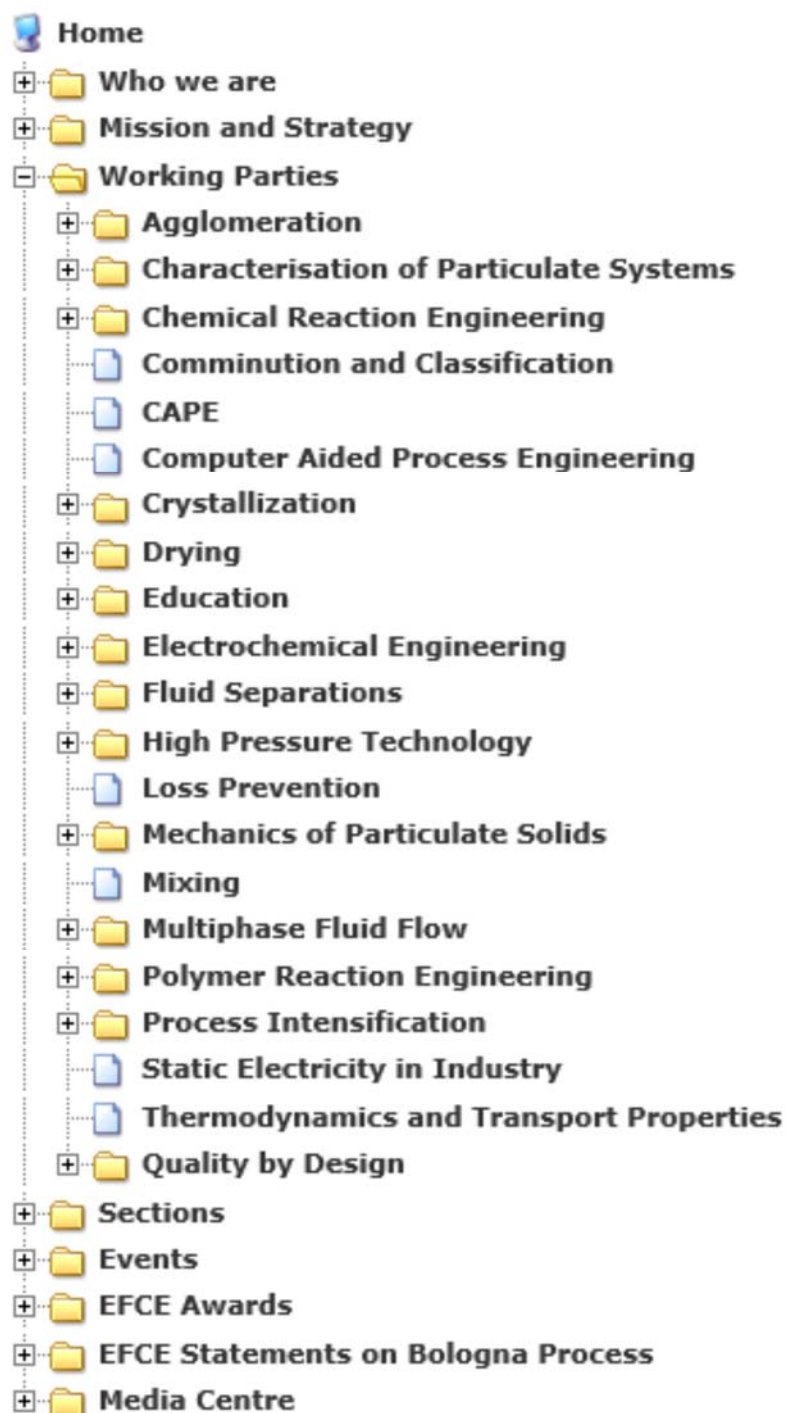
Fig. 5.2: Current Second Level Structure

open | close



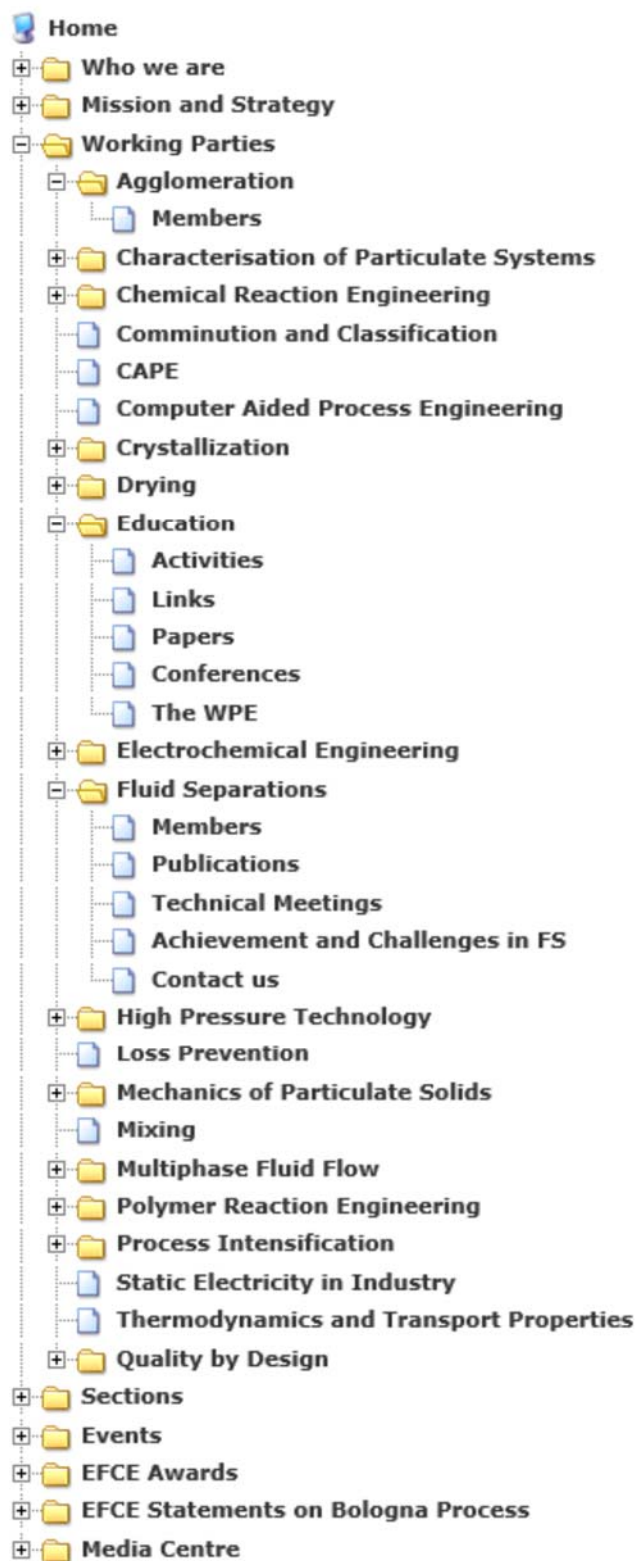
Digital Strategy: Specifications New EFC Website (Continued)

Fig. 5.3: Current Top Level Structure of the Working Party Presentation



Digital Strategy: Specifications New EFC Website (Continued)

Fig. 5.4: Current Second Level Structure of selected Working Party Presentation



Digital Strategy: Specifications New EFC Website (Continued)

The last figures 5.3 and 5.4 show clearly the natural grow of the website. The Working Parties are presented in a very different way such that it is difficult for website visitors to find a common way to access the information of each Working Party.

5.2 Proposed New Structure of the Website

As learned from the aims and requirements of the target groups as outlined in 3.2 it is obvious that a high level structure website structure needed which fulfills the requirements of a quick access to the administration issues like Working Party Matters or Event Registration but also a comfortable access to the scientific topics the Federation is dealing with. It is therefore proposed to introduce topics of common public interest where the work of chemical engineers has an major impact. These topics could be

Energy, Climate Change, Mobility, Food, ...

There are surely more to be listed here. The introduction of these topics would also attract the interest of generally interested people, like politicians and journalists and would raise the profile of EFCE within these groups.

Possible Items of the First Level Navigation could be:

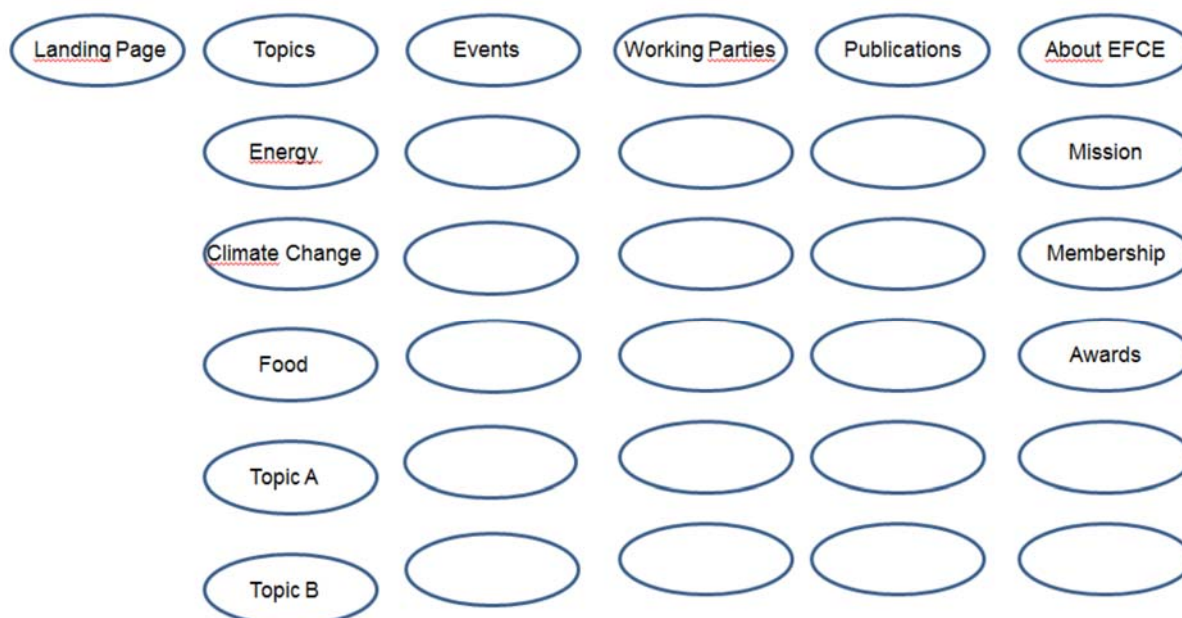
- Landing page
- Topics
- Events
- Working Parties and Sections
- Publications
- About EFCE

The second level should allow direct and comfortable access to the information the visitor is looking for. More than two mouse clicks without any hint of progress concerning the search is no longer accepted by the visitors. The missing elements of the second level structure have to be defined by the project advisory group.

Digital Strategy: Specifications New EFC Website (Continued)

A potential structure of the new website is shown in figure 5.5.

Fig. 5.5: Potential New Website Structure of EFCE



5.3 Single Sign On

It is absolutely necessary to fulfill modern requirements that all services of EFCE could be accessed by a “Single Sign On” procedure. Every “EFCE-Customer” will create his account with username (normally email address) and password and he/she can access all the information/services via his personal EFCE dashboard.

The following services should be available

Address Management

One can customize both your private and your business address, which is stored in our database. You can also specify here, to which address we should send your mail

Interests

By participating in conferences and meetings or activity in committees, we assign areas of Interest. One can see it here and change it if necessary

Publications

One can find Publications of EFCE, matching the interests of the customer.

Digital Strategy: Specifications New EFC Website (Continued)

Events

To guarantee that a customer don't not miss any important event, the list the events are presented that reflects the respective interest

One will also have an insight into his/her personal conference EFCE history.

Committees

If one is active in committees of EFCE, one has access to all necessary information in the committee.

Favorite EFCE pages

One can create favorites which will give s shortcut to the respective EFCE website

Publications

Here one will find publications matching your interests.

6. Layouts

This chapter does include the potential layout for the website.

Digital Strategy: Specifications New EFC Website (Continued)

6.1 Homepage

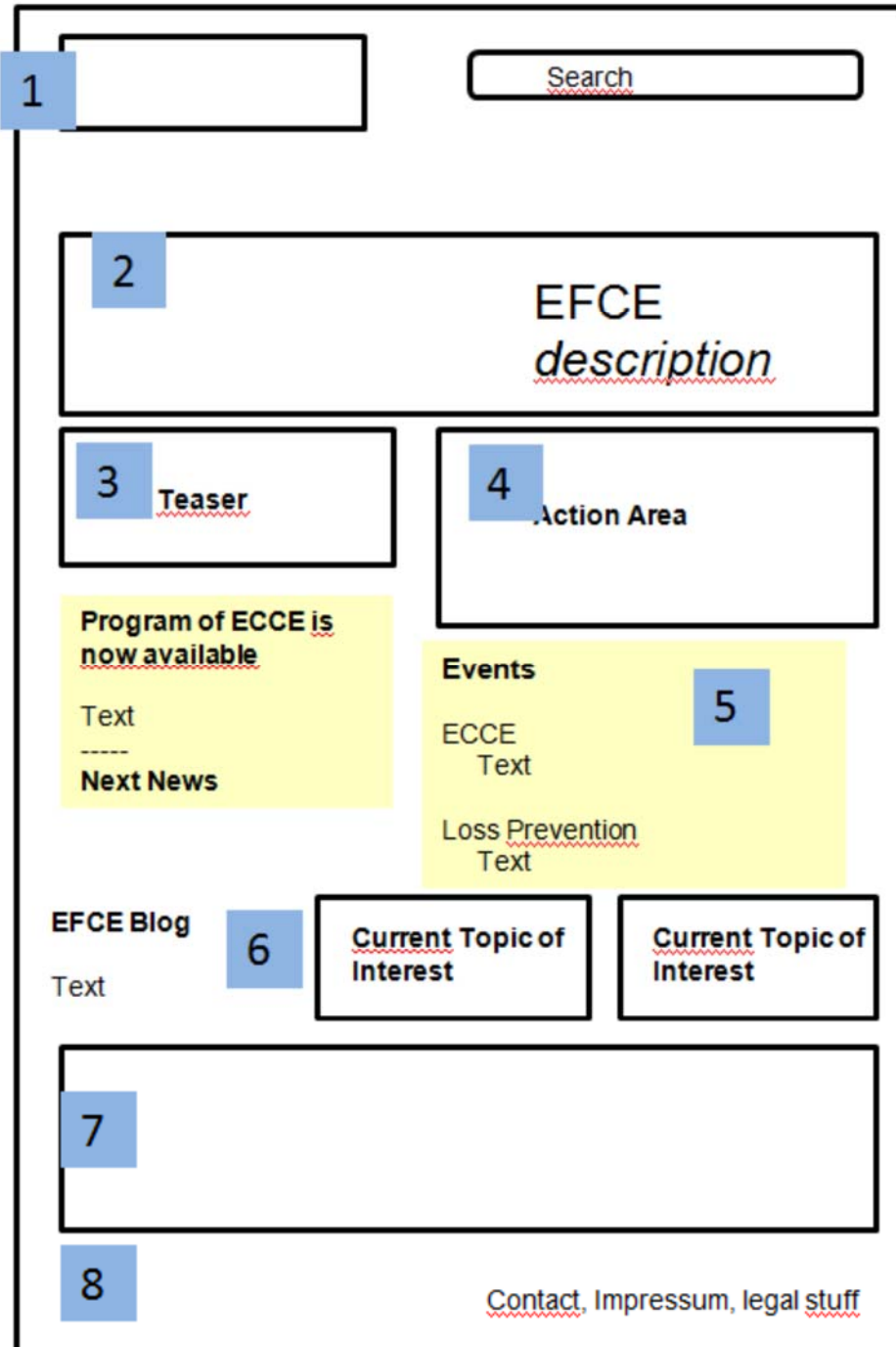


Fig. 6.1 Structure of the EFCE Homepage

Digital Strategy: Specifications New EFC Website (Continued)

	Name	Description
1	Header	The header area is the same on each page. It contains the logo, a meta navigation, a search field and the main navigation
2	Key-visual with self-description and call-to-action	Large format title graphic. On the right hand side (or in Smartphone view below) is a short description of EFCE.
3	Current News	The latest news. The first post is displayed with a picture (if available) and a short marker. The following news only show the title. All contributions are linked on the entire surface (title, picture, teaser) with the respective detail page. The number of contributions can be controlled editorially. (to adjust the length of the block to the right column).
4	Action Page	If required, an additional block can be integrated as a prominent action area. Here, for example, the current ECCE could be pointed out. If not needed, the following contents will slide up.
5	Events	This block shows the next upcoming events with date and location. The entire area is linked to the respective event.
6	Advertising Block	Further content can be presented on three advertising blocks. One block shows the latest blog posts (title only). On the remaining width either a block with 2/3 width can be bound, or two 1/3 wide blocks. E.g. teaser to the founder price or to the research promotion.
7	SEO	At the end of each page, a comparatively unobtrusive text block can optionally be inserted. This serves primarily to provide supplementary texts for search engines.
8	Footer	The footer area is the same on each side. It contains a compact sitemap, links to the social media channels and a footer navigation.

Tab. 6.1: Elements of the EFCE Homepage

6.2 Content Page

On the content page, any content can be integrated and used at all levels. A normal content page consists of a header (1), a main content area (2), the subnavigation (3), a service column below the subnavigation (4), and the footer (5).

Digital Strategy: Specifications New EFC Website (Continued)

Responsive Behaviour:

- The "Content Area" container becomes narrower at first, while the "Service Column" container initially retains its width.
- At a certain point (defined in the conversion), the content area takes up the entire width. The subnavigation is omitted and the service column is arranged below the main area.
- The elements within a container are displayed one below the other in reading direction from left to right (line by line).

	Name	Description
1	Header	The header is always displayed in the header area. The header contains the navigation.
2	Content Area	Different content elements can be included in the content area. The individual elements are described in more detail in Chapter 7.
3	Subnavigation	The subnavigation shows the page tree starting from the second level (see chapter 7).
4	Service Column	Below the subnavigation different teaser elements can be integrated.
5	Footer	The footer is always displayed in the footer area.

Tab. 6.2: Elements of the EFCE Content Page

Digital Strategy: Specifications New EFC Website (Continued)

6.3 Topic Page

On the topic page, all offers on a specific topic are summarized. Users can further narrow down the selection using filter settings. The contents are sorted according to the time of their creation in the editorial system (newest first).

Layout Example for a Topic Page (based on Energy page at DECHEMA)

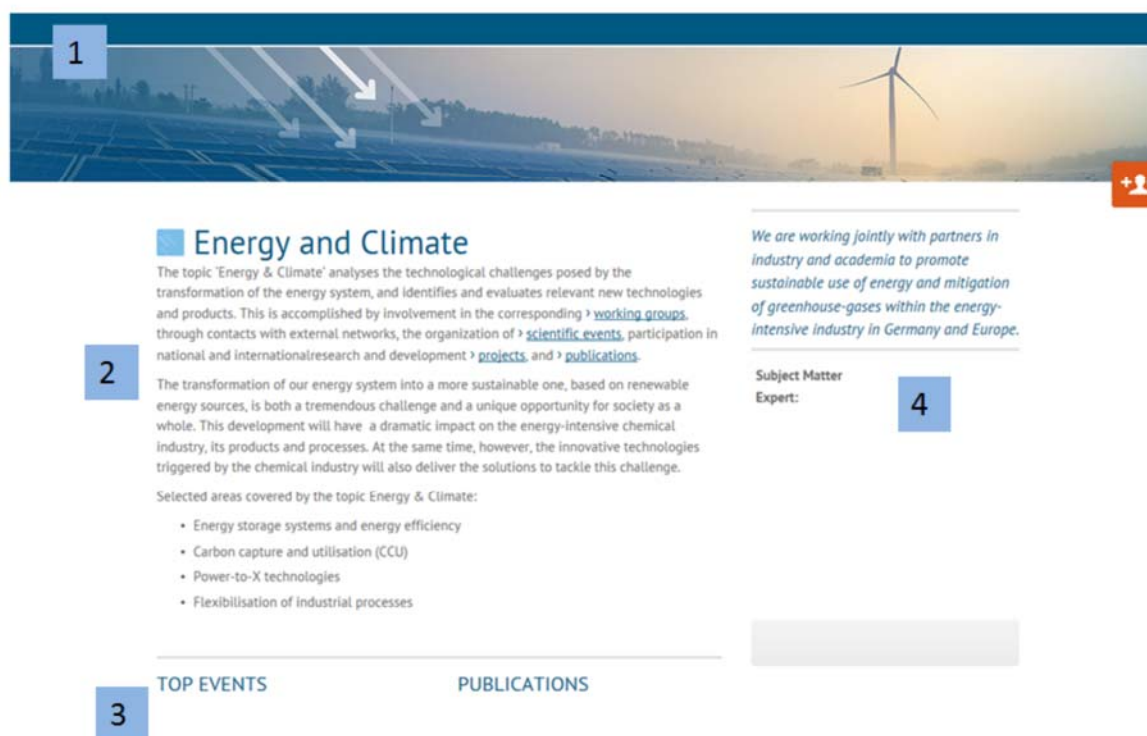


Fig. 6.2: Layout Example for the EFCE Topic Page

Digital Strategy: Specifications New EFC Website (Continued)

Name	Description
Key Visual	For each topic, a title image is displayed in a wide format. This is omitted in the minimum state.
Title, short description and number of results per page.	The title of the topic, followed by a short description. The description is expected to be provided by EFCE and will vary per topic.
Results	All content available on the topic. An icon indicates whether the content is a committee, a publication, an event or a project. The color indicates from which area the content originates.
Filter Settings	Users can further limit the selection using filters. The following filters are available: Type of result: "Committees" (specialist groups, working groups, etc.); publications (status papers, position papers, etc.); events (conferences, meetings, etc.) and projects. Period: Provides the filter option according to the time of publication of the content. Periods are grouped according to the structure of the existing content. For example, the most recent 5 years individually and several years before in groups (2000-2005, 2006-2010). Search term: Additional filtering for content containing the specified search term. Each filter, with the exception of the search term filter, is followed by the number of contents available above it. Below the filters is the total number of contents available for the current filter combination. The "Filter" button updates the display to accept changed filter settings.
Contact	Give the Topic a "face for the EFCE community". Who is our expert for Energy?

Tab. 6.3: Elements of the EFCE Topic Page

- 6.4. Search Page
- 6.5. Event Page
- 6.6. News Overview
- 6.7. News Details Page
- 7. Content Elements
- 8. Technical Details
- 9. Documentation

Digital Strategy: Specifications New EFC Website (Continued)

European Federation of Corrosion Tender for New Website and Customer Relationship -Management System (CRM)

Nr.	Description	Remark of Supplier	Quantity	Price	Σ	Remark EFC
1.	Licence Cost					
1	Licence Cost				0	
2	Support Cost per year				0	
	Sum Licence				0	
2.	Service and Implementation					
3	Design: Concept (Blueprints)				0	
4	Customizing				0	
5	Adaptionsprogramming				0	
6	Migration				0	
7	Training				0	
8	Basic Installation				0	
9	Hosting				0	
	Summe Service and Implementation				0	
3.	Description of Functions					
10	CRM					
11	<i>In general, the organization, person and address administration ("Extended Contact and Address Management") provides the basis for the provision of all "contact master data" for the administration of</i> • Membership Administration • Event Management • Data Bases • Newsletter					
12	Membership application Membership application - via paper, pdf, e-mail or online etc. Manual entry in extended CRM Online via interface to the egoCMS website				0	
13	Event Management, Data Base, Event Promotion via Newsletter etc.				0	
14	Data Base, Membership Database, Participant				0	
	Sum CRM				0	
15	Website					
11	<i>Redesign of EFC Website, Responsive Elements</i>				0	
12	Connectivity to Data Base				0	
13	Membership Area, My EFC				0	
4	Connectivity to Newslettersystem				0	
	Sum Website				0	

EFC Visibility: List of Events for possible Participation of EFC with a Booth

EFC visibility

Presentation of the EFC at congresses and exhibitions

	Cycle	Booth	Travel expenses
NACE CORROSION (spring)	annually	0	1500-2000
ECCE conference (summer)	two years	~ 3000	~ 1000
ACHEMA (summer)	three years	0	0
EUROCORR (autumn)	annually	0	0
EUROMAT (autumn)	two years	~ 2000	~ 1000
Stainless Steel conference (autumn)	annually	~ 3000	~ 1000
MSE - Materials Science and Engineering (autumn)	two years	~ 2000	500-1000
ACA Corrosion & Prevention (winter)	annually	0 ?	1500-2000
Event of members (e.g. GfKORR annual meeting)	annually	0	0



EFC visibility

EFC visibility

Seville - 09/09/2019

HONORARY TREASURER'S REPORT TO BOA (Continued)

FINANCE REPORT BOARD OF ADMINISTRATORS

9 September 2019 Seville

Introduction

1. Current subscriptions position
2. Results for 2018
3. Proposed subscription fees for 2020
4. Proposed budget for 2020



HONORARY TREASURER'S REPORT TO BOA (Continued)

Membership subscriptions

- 35 member societies at 1 January 2019
 - ▣ 29 societies fully paid (€47,270 received)
 - ▣ 4 societies still to pay (€10,000 outstanding, including 2018 fees)
 - ▣ 2 societies suspended membership



Non-paying societies

- **Article 11**
For [societies] not in good standing, resignation becomes effective within the fiscal year subject to the direction of the Board of Administrators.
- **Article 12**
Any [society] which fails to respect the obligations ... may be excluded from the Association. It is the duty of the BoA ... to report to the General Assembly which has the sole power of decision in the matter.
- **Bye-Law 8.4**
[Society] shall be deemed to have left EFC when the annual subscription is in arrears of more than twelve months from the date of issue of the invoice.



HONORARY TREASURER'S REPORT TO BOA (Continued)

Results for 2018

	Budget 2018	Results 2018	Results 2017
Total income	80,000	83,006	98,592
Total expenditure	(91,720)	(79,607)	(91,432)
Surplus / (deficit)	(11,720)	3,399	7,160
Opening reserves	279,059	279,059	271,899
Closing reserves	267,339	282,458	279,059



Results for 2018

Income

- EUROCORR levy
€30,853
- Subscription fees
€48,014

Expenditure

- Low expenditure on
publicity, support for
working parties and
EFC visibility
(saving of €9,600)
- Significant reduction
in legal fees



HONORARY TREASURER'S REPORT TO BOA (Continued)

2020 membership fees

	2015-2019	2020
Regular member	€1,690	€1,690
Affiliate member (companies)	€1,550	€1,550
Affiliate member (universities or research organisations)	€1,030	€1,030



2020 membership fees

- No change to subscription fees in 2020
- Only 5 of 18 EU based societies are not registered for VAT
- EFC will continue paying VAT on behalf of European societies not registered for VAT (cost to EFC €1,467)



HONORARY TREASURER'S REPORT TO BOA (Continued)

Budget for 2020

	Results 2018	Budget 2019	Budget 2020
Total income	83,006	101,000	101,000
General expenditure	(79,607)	(88,750)	(98,300)
Strategic expenditure		(12,000)	(45,000)
Surplus / (deficit)	3,399	250	(42,300)
Opening reserves	279,059	282,458	282,708
Closing reserves	282,458	282,708	240,408



Budget for 2020

Changes in income

- Small increase in subscriptions income through attracting new members

Changes in expenditure

- Small increase in support for working parties
- Inflationary increase in other expenditure
- €45,000 for website redevelopment



Young EFC Report



YOUNG EFC BoA MEETING

Yaiza Gonzalez-Garcia – Sevilla 2019

Activities – Eurocorr 2019



- Dissemination Workshop
- Co-organization of Corrosion Course
- Preparation of flyers and souvenir
- Co-organization of EFC poster prize application
- Other activities



Young EFC Report (Continued)

Budget

	Income	Item
BUDGET 2019		
Income	2 000	Allocated by BoA
Surplus year 2018	1 876	Approved by BoA
Total Budget 2019	3 876	
Expenses	2084	
	476	Flyers & Souvenir for EUROCORN 2019
	750	Big Van Science Workshop
	858	Get-together party
BUDGET 2020		
Income	2000	
Surplus year 2019	1792	+ income registration: max. 200
Total Budget 2020	3 792	

Points of Discussion

- ☐ Low participation of Young researchers in courses & activities

Young EFC Report (Continued)

Points of Discussion



- ☐ Elsevier Workshops – Information of the upcoming events sponsored by EFC
 - ☐ Webminars
 - ☐ Workshops (face-to-face)

Thank you



EFC Publications

EFC Book Series in preparation

- ❑ New: „50 years of Nuclear Corrosion – a Review“ (from WP4)
- ❑ Revision of EFC Guideline 46 „Amine units corrosion in refineries“ (from WP15)
- ❑ No. 55 „Corrosion under insulation guidelines“ (WP 15)
- ❑ Best practice guideline on „Corrosion in sea water heat exchangers“ (WP9+15)
- ❑ New: „Protection of cultural heritage against corrosion“ (from WP21)
- ❑ New: „Recent advances made on the understanding of carbon steel corrosion mechanisms in marine media“ (from WP9)
- ❑ New: „Corrosion reliability of electronics“ (from WP23)



EFC Publications

EFC Green Book (working MoE):
50 Years of (EFC Working Party) Nuclear Corrosion - a Review

A 50th anniversary book celebrating the 50th anniversary of the EFC, was edited by Prof. Dr. Barbara Glaser, President of the EFC, and Prof. Dr. Barbara Glaser, President of the EFC, and Prof. Dr. Barbara Glaser, President of the EFC.

Preliminary content:

1. Fifty years of nuclear corrosion: from a pioneer period to a mature industry and corrosion science. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
2. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
3. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
4. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
5. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
6. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
7. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)

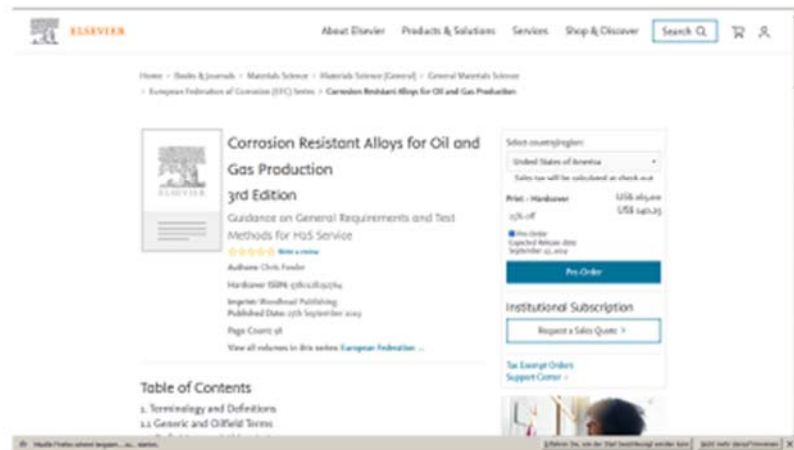
Table of Contents:

- 1. Fifty years of nuclear corrosion: from a pioneer period to a mature industry and corrosion science. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
- 2. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
- 3. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
- 4. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)
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- 7. Corrosion in the nuclear industry: a review of the state of the art. Glaser, B. (Ed.). [in: Corrosion 2019, 10-12](#)



EFC Book Series (Continued)

EFC Publications



EFC Publications

EFC Publications

Seville - 09/09/2019

EFC Publications in the EFC Journals (Continued)

EFC Publications

Publication in the four EFC Journals



EFC Publications

Publication in the four EFC Journals



EFC Publications

[illegible]

EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements



Academia : **degradation mechanisms with** **highly advanced tools**

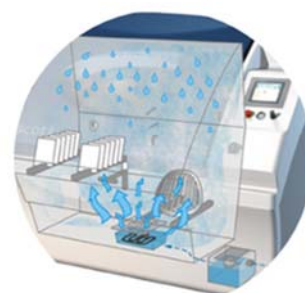
- Mechanism of degradation of a subsystem
- Measurements in infinite solutions not directly linked with the real case
- Kinetics in ideal systems



EUROCORR 2020 **Brussels**

Link between Academia and Industry

- Measuring, Modelling and Monitoring
- Relevant Environments



Industry : industrial **accelerated tests**

- Sometimes arbitrary corrosion evaluation
- High cost
- No real information about degradation mechanism
- No real information about the kinetics

EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)

EUROCORR 2020 SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION

MANAGEMENT ISSUES - LC



Prof. Marjorie Olivier (UMONS)

Dr. Y. (Yaiza) Gonzalez Garcia

Dr V. Vitry (UMONS)

Dr M. Poelman (Materia Nova)

Veerle Fincken (VOM)

Prof. Herman Terryn (VUB)

Prof. Iris De Graeve (VUB)

EUROCORR 2020 SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION

MANAGEMENT ISSUES – SCIENTIFIC COMMITTEE

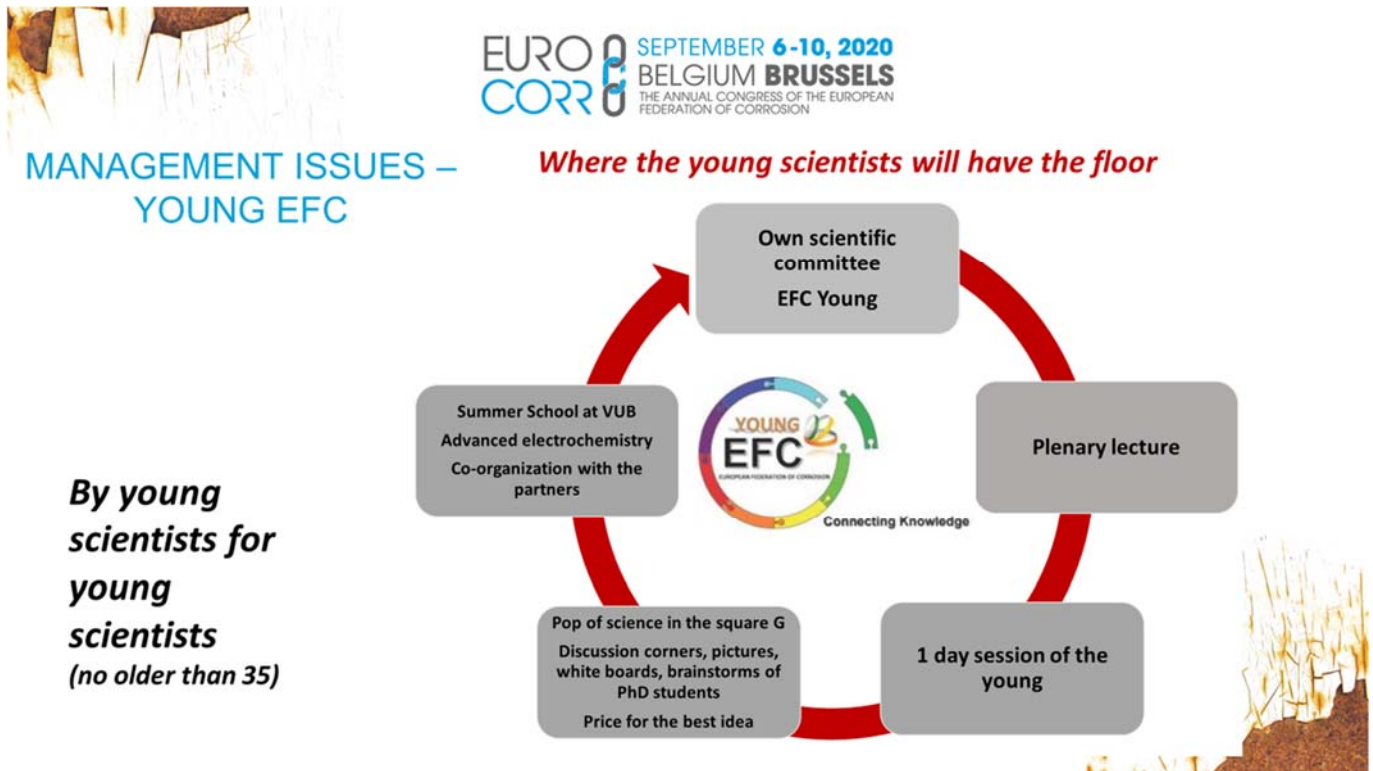
❖ SCIENTIFIC PROGRAM

- **PLENARY SPEAKERS**
- Prof. Maria Forsyth (Australia): Environmentally friendly multifunctional corrosion inhibitor systems
- Dr Theo Hack (Airbus, Germany): Drivers for Corrosion Protection in Aeronautics – Challenges to be overcome by Industry and Academia.
- Dr Carol Frances Glover (University of Swansea) – Young EFC: The many colours of metal-based primers: corrosion protection mechanisms and latest developments
- Dr Oumaïma Gharbi (Sorbonne Paris)- Young EFC, subject : Microstructure and corrosion of Al alloys
- **3 Plenary sessions**
 - 1st plenary session on Monday
 - 3 plenary sessions on Wednesday - including young EFC, speakers






EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)



EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)



IMPORTANT DATES

- Call for abstracts – on-line forms open: October 2019
- Registration on-line open: October 2019
- Abstract Submission: 15 January 2020
- Late Abstract Submission: 14 days after the regular deadline (15 January will be decided about date extension)
- Spring Meetings (paper selection and BoA Meeting): 30 and 31 March 2020 (Brussels)
- Submission of late posters: April 2020
- Notification of acceptance to authors: 30 April 2020
- Early Registration Deadline: 29 May 2020
- Submission of full papers: 17 June 2020
- Late Registration Deadline: 28 August 2020
- EUROCORR 2020: 6 - 10 September 2020

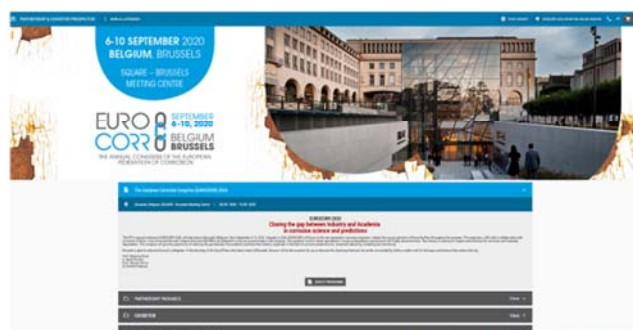
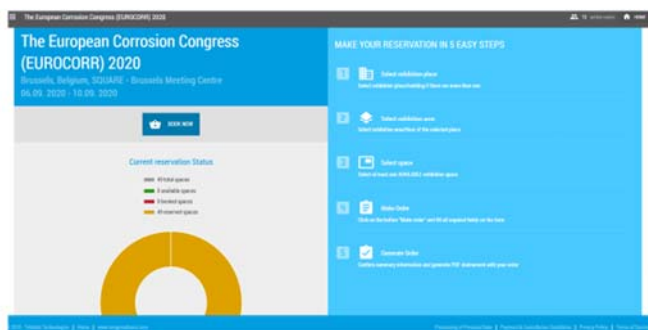


PARTNERSHIP & EXHIBITION

Online EXHIBITION BOOKING system and Partnership Prospectus

- <https://exhibition.congresshome.com/eurocorr2020>
- <https://sponsorship.congresshome.com/eurocorr2020>

Online Partnership Prospectus - This prospectus is compatible with all browsers, except of outdated version of Internet Explorer



EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)

CONGRESS DINNER

Autoworld is both a museum and an events venue for large and small events. Autoworld can accommodate up to 1,000 persons, in one of the halls, on the 2.000m² mezzanine or along the 'blue boulevard' amongst the restored and beautifully preserved cars.

Entertainment

The Expendables, Sharp Dressed Men et al.



EUROCORR SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION



PROMOTIONAL MATERIAL

EUROCORR SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION



WELCOME TO EUROCORR 2020
BEING HELD IN
BRUSSELS, BELGIUM
6-10 SEPTEMBER
2020

Uniquely in 2020, EUROCORR will focus on the new generation of corrosion engineers. Indeed, the young scientists will have the floor throughout the congress. The organizers, VCM (in collaboration with the University of Mons (UMONS), the Vrije Universiteit Brussel (VUB), MIRA, Nova and DECHEMA are pleased to invite you to the congress. The academic world is rather specialized in studying degradation mechanisms with highly advanced tools, the industry is looking for support and solutions for corrosion and materials degradation. The congress will aim at reducing the gap between the academic world and the industry, especially in the field of corrosion predictions by advanced measuring, modelling and monitoring.

Brussels is glad to welcome EuroCorr's delegates. Close to the GrandPlace, the historic heart of Brussels, EuroCorr will give you the opportunity to discover the charming historical city center surrounded by Gothic Art, Modern Art and Architectural architecture that colours the city.

With more than 1000 delegates expected, the aim of the congress is to provide opportunities to create contacts from all countries to facilitate the networking and to exchange knowledge and latest findings between scientists, academics, researchers, students and industry related to corrosion.

Brussels will become the capital of corrosion in 2020, with the EFC's annual congress EUROCORR, Europe's most renowned corrosion event.

SAVE THE DATE
6-10 September 2020
SQUARE - BRUSSELS MEETING CENTRE

TOPICS

- ✓ Corrosion and Scale Inhibition (WP1)
- ✓ Corrosion by Hot Gases and Combustion Products (WP2)
- ✓ Nuclear Corrosion (WP3)
- ✓ Environment Sensitive Fracture (WP4)
- ✓ Corrosion Mechanisms, Electrochemical Methods in Corrosion Research and Modelling of Corrosion Processes (WP5 & WP6)
- ✓ Corrosion Education (WP7)
- ✓ Marine Corrosion (WP8)
- ✓ Microbial Corrosion (WP9)
- ✓ Corrosion in Oil and Gas Production (WP10)
- ✓ Corrosion in Biomedical (WP11)
- ✓ Corrosion in Oil and Gas Production (WP12)
- ✓ Coatings (WP13)
- ✓ Corrosion in Railway and Petrochemistry (WP14)
- ✓ Cathodic Protection (WP15)
- ✓ Automotive Corrosion (WP16)
- ✓ Micro-Corrosion (WP17)
- ✓ Corrosion of Polymer Materials (WP18)
- ✓ Corrosion and Corrosion Protection of Drilling Rotor Systems (WP19)
- ✓ Corrosion of Archaeological and Historical Artefacts (WP20)
- ✓ Corrosion Control in Aerospace (WP21)
- ✓ Corrosion Reliability of Electronics (WP22)
- ✓ CO₂ - Corrosion in CCS Applications (WP23)
- ✓ Atmospheric Corrosion (WP24)
- ✓ Advances in New Corrosion Protection Methods
- ✓ EUROCORR Young Scientist Session
- ✓ Corrosion in Additive Manufacturing (WP25)

IMPORTANT DATES

- Call for abstracts - on-line forms opening: **OCTOBER 2019**
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EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)

CONGRESS DINNER

Autoworld is both a museum and an events venue for large and small events. Autoworld can accommodate up to 1,000 persons, in one of the halls, on the 2.000m² mezzanine or along the 'blue boulevard' amongst the restored and beautifully preserved cars.

Entertainment

The Expendables, Sharp Dressed Men ea..



EUROCORR SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
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FEDERATION OF CORROSION



PROMOTIONAL MATERIAL

EUROCORR SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION



WELCOME TO
EUROCORR 2020

BEING HELD IN
BRUSSELS, BELGIUM
6-10 SEPTEMBER
2020

Closing the gap between
industry and academia
in corrosion science and
prediction.

Brussels will become the
capital of corrosion in
2020, with the EFC's annual
congress **EUROCORR**,
Europe's most renowned
corrosion event.

SAVE THE DATE
6-10 September 2020
SQUARES - BRUSSELS MEETING CENTRE

EUROCORR SEPTEMBER
6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION

Uniquely in 2020, EUROCORR will focus on the new generation of corrosion engineers. Indeed, the young scientists will have the floor throughout the congress. The organizers, VCM and in collaboration with the University of Mons (UMONS), The Vrije Universiteit Brussel (VUB), Middelheim and DECHEMA, are pleased to invite you to the congress. The academic world is other specialized in studying degradation mechanisms with highly advanced tools. The industry is looking for support and solutions for corrosion and materials degradation. The congress will aim at reducing the gap between the academic world and the industry, especially in the field of corrosion predictions by advanced measuring, modelling and monitoring.

Brussels is glad to welcome Eurocorr's delegates. Close to the GrandPlace, the historic heart of Brussels, Eurocorr will give you the opportunity to discover the charming historical city center surrounded by Gothic Art, Modern Art and Renaissance architecture that colour the city.

With more than 1000 delegates expected, the aim of the congress is to provide opportunities to create contacts from all countries, to facilitate the networking and to exchange knowledge and latest findings between scientists, academics, researchers, students and industry related to corrosion.

TOPICS

- ✓ Corrosion and Scale Inhibition (WPI1)
- ✓ Corrosion by Hot Gases and Combustion Products (WPI2)
- ✓ Nuclear Corrosion (WPI3)
- ✓ Environment Sensitive Fracture (WPI4)
- ✓ Corrosion Mechanisms, Electrochemical Methods in Corrosion, Research and Modelling of Corrosion Processes (WPI5 & WPI6)
- ✓ Corrosion Education (WPI7)
- ✓ Marine Corrosion (WPI8)
- ✓ Microbial Corrosion (WPI9)
- ✓ Corrosion of Steel in Concrete (WPI10)
- ✓ Corrosion in Oil and Gas Production (WPI11)
- ✓ Coatings (WPI12)
- ✓ Corrosion in Railway and Petrochemistry (WPI13)
- ✓ Cathodic Protection (WPI14)
- ✓ Automotive Corrosion (WPI15)
- ✓ Biocorrosion (WPI16)
- ✓ Corrosion of Polymer Materials (WPI17)
- ✓ Corrosion and Corrosion Protection of Drinking Water Systems (WPI18)
- ✓ Corrosion of Archaeological and Historical Artefacts (WPI19)
- ✓ Corrosion Control in Aerospace (WPI20)
- ✓ CO₂ - Corrosion in CCS Applications (WPI21)
- ✓ Atmospheric Corrosion (WPI22)
- ✓ Advances in New Corrosion Protection Methods
- ✓ EUROCORR Young Scientist Session
- ✓ Corrosion in Additive Manufacturing (WPI23)

IMPORTANT DATES

Call for abstracts - on-line forms opening: **OCTOBER 2019**

Registration on-line opening: **OCTOBER 2019**

Abstract Submission: **15 JANUARY 2020**

Notification of acceptance to authors: **30 APRIL 2020**

Submission of full papers: **17 JUNE 2020**

SEPTEMBER 6-10, 2020

BELGIUM BRUSSELS

THE ANNUAL CONGRESS OF THE EUROPEAN FEDERATION OF CORROSION

PROMOTIONAL MATERIAL

**EURO
CORR** 2020

SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
 THE ANNUAL CONGRESS OF THE EUROPEAN
 FEDERATION OF CORROSION

**6-10 SEPTEMBER 2020
BELGIUM BRUSSELS**

The annual event of the European Federation of Corrosion **EUROCORR2020**

Closing the gap between industry and academia in corrosion science and protection

Organized by:

WELCOME ADDRESS

The 10th year of the annual congress of the European Federation of Corrosion is a special occasion for the industry and academia to meet and exchange ideas and experiences. The congress is a unique opportunity for the industry and academia to meet and exchange ideas and experiences. The congress is a unique opportunity for the industry and academia to meet and exchange ideas and experiences.

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**6-10 SEPTEMBER 2020
BELGIUM BRUSSELS**

SQUARE - BRUSSELS MEETING CENTRE

[Back to homepage](#)

BELGIUM BRUSSELS

MONUMENTS

TRAVEL

ACCOMMODATION

VENUE

GENERAL INFORMATION

GENERAL INFORMATION

- ☐ Brussels
- ☐ Good to Know
- ☐ What to See
- ☐ Getting Around
- ☐ Visa Information

REGISTRATION

Registration is open for all participants. Please visit the registration page for more information.

VENUE

General information

EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)

[illegible]



SEPTEMBER 6-10, 2020
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION

ELECTRONIC POSTER



POSTERS

The Electronic Poster is designed to display presentation in electronic form

- Search, display and evaluate electronic posters
- Displaying additional information on the event (Schedule, general information, information about the venue, etc.)
- Displaying news



EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)

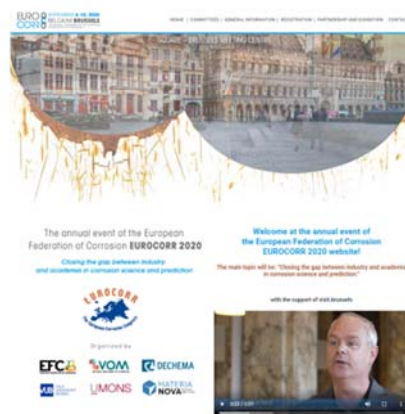


MOBILE APPLICATION

- Thanks to the app, participants will have all the important information always at hand.
- The application offers a variety of modules for participants with valuable information about the event.
- It is always available for downloading at Google Play and the Apple Store.



PROMOTION – PROMOTIONAL VIDEO



EUROCORR 2020, Brussels (Belgium) - Progress with Arrangements (Continued)



**EURO
CORR**  **SEPTEMBER 6-10, 2020**
BELGIUM BRUSSELS
THE ANNUAL CONGRESS OF THE EUROPEAN
FEDERATION OF CORROSION

WE ARE READY TO TAKE OFF

**THANK YOU FOR YOUR
ATTENTION. QUESTIONS? DO
NOT HESITATE TO CONTACT US!**



EUROCORR 2021, Budapest (Hungary) - Report on Arrangements



Preparations of **EUROCORR 2021**

Budapest
September 19-23.

Presenter: Dr. Bálint Medgyes



Photo: Zoltán Adrián

EUROCORR 2021, Budapest (Hungary) - Report on Arrangements (Continued)



MOTTO of the Event: Materials Science and Advanced Technologies for Better Corrosion Protection

In which Milestone are we in?

Sponsorship and Exhibition Form is ready and available in printed form

Sponsor Kit is also Ready and available in printed form.

EUROCORR 2021 9-12 September 2021
Budapest, Hungary

SPONSORSHIP AND EXHIBITION FORM

Name of the company: _____

Postal address: _____

Invoice address (if different from above): _____

Name of the contact person: _____

Phone: _____

E-mail: _____

DIB V&F Number: _____

Please tick the appropriate boxes

Sponsorship Categories	
Platinum Package	10,000 EUR+vat ☐
Gold Package	5,000 EUR+vat ☐
Silver Package	4,000 EUR+vat ☐
Sponsorship of the Welcome Cocktail	4,000 EUR+vat ☐
Sponsorship of the Coffee Breaks / Day	1,000 EUR+vat ☐
Sponsorship of the Poster Session	1,000 EUR+vat ☐
Lunchtime seminar	4,000 EUR+vat ☐
Sponsorship of Delegate Bags	4,000 EUR+vat ☐
Sponsorship of Lapel and Badge Holders	1,000 EUR+vat ☐
Sponsorship of Newspapers	2,000 EUR+vat ☐
Sponsorship of Pens	2,000 EUR+vat ☐
Sponsorship of QR for Delegates	1,000 EUR+vat ☐
Sponsorship of Staff T-shirt	5,000 EUR+vat ☐
Sponsorship of Net Corner	5,000 EUR+vat ☐
Sponsorship of "Standby" Ready Room	5,000 EUR+vat ☐

EUROCORR 2021, Budapest (Hungary) - Report on Arrangements (Continued)

Every suggestions related to the organisation of Eurocorr 2021 are warmly welcome!😊



Photo: Diamond Congress Ltd.

Report on Middle East Activities



QATAR BRANCH ROADMAP V2

EFC-BoA-SEPT 2019



EFC MEBranch@QATAR

MISSION STATEMENT

The EFC Middle East Branch at Qatar (ME Branch @ Qatar) is the enabler to capitalize expertise and to develop dedicated solutions for solving current technological challenges related to coatings for assets reliability and corrosion protection, in cooperation with industry and international experts, to strengthen competences in Qatar and to enhance economic and social impacts.



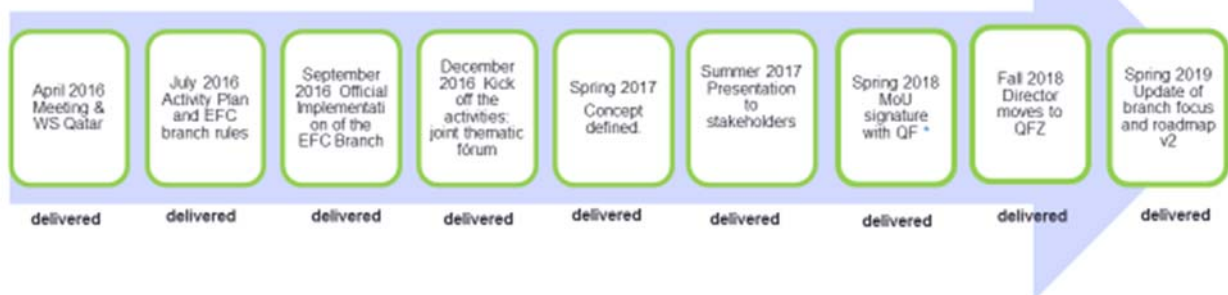
Report on Middle East Activities (Continued)

EFC MEBBranch@QATAR



3

ACTIVITIES DELIVERED



MoU with QF was a key distinction to give visibility to EFC in the country

EFC MEBBranch@QATAR



Report on Middle East Activities (Continued)



EFC MEBranch@QATAR

QFZ - EFC MEBranch@QATAR

FOCUS: Coatings for conventional and emerging applications

• ACTIVITIES DELIVERED IN COOPERATION WITH EFC MS AND RESPECTIVE AFFILIATES

- Enabling coating solutions for surface protection and assets reliability
- Coating development (from conventional chemistries to nanotechnology Hi-Tech functionalities)
- Coating selection and application
- Coating Monitoring, Inspection and State of Health
- Standards and guidelines
- Consultancy on coatings for surface protection
- R&D and training
- Project/service based partnerships to face R&D challenges
- Training of scientists and technical staff



EFC MEBranch@QATAR

ORGANIZATION

DIRECTOR*

Activity Manager**

STAKEHOLDERS

Companies

Local institutions

Other International organizations

*reports to EFC and seats in the Board on a volunteer basis;

** organizes activities, links to experts and ensures delivery (self paid)

Report on Middle East Activities (Continued)



EFC MEBBranch@QATAR

LINKS WITH EFC

NEXT STEPS

- Eurocorr 2019 – QFZ organises meetings and a closed event (only by invitation)
- Winter 2019 - Visit to QFZ & local meetings
- Early 2020 - Organization of the ME branch first WS
- **Fall 2020 - QFZ becomes EFC member**
- EFC Branch Labelled* activities ("a la carte")
- Eurocorr 2020 – QFZ Booth and organization of a WS in a selected topic (tbd)

* EFC is the enabler; activities are delivered by experts from EFC Member Societies subjected to the EFC label and respective royalties

EFC MEBBranch@QATAR



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ACTIVITIES ROADMAP Update



MoU with QF was a key distinction to give visibility to EFC in the country

Task Force on FC Strategy



EFC-NACE TASK FORCE

Gareth Hinds – 9th Sept 2019

Update

- Good relationships established with senior NACE officers, primarily through regular meetings at EuroCorr and NACE conferences
- NACE has increased focus on coatings and is in advanced talks with SSPC over a merger
- New NACE European Area Manager, Stuart Bond, appointed in Cambridge, UK, with remit to develop NACE relationships at higher level fora (standards, EFC, national associations)



Task Force on FC Strategy (Continued)

Strategy

- EFC has received clear acknowledgement from NACE that they will not organise events in Europe with a general corrosion theme – include in collaboration agreement?
- EFC position on proposed NACE Global Partnership Agreement should be that individual Member Societies will not sign it
- EFC needs to develop strategy to combat NACE targeting smaller European Member Societies to gain foothold in Europe



Collaboration

- Young people
- ISO standards
- Influencing organisations such as IMO
- Joint oil and gas symposia at EuroCorr/NACE conferences
- Common themes such as materials sustainability



Task Force on FC Strategy (Continued)

Task Force meeting

- 'Task Force on EFC Strategy with NACE' is listed in the EuroCorr 2019 programme
- Now propose to focus only on areas for potential collaboration at this meeting
- Originally planned Task Force meeting will be held at another time
- EFC meeting but NACE representatives will be welcome if they choose to attend



ICCPA Agreement**International Conference on Corrosion
Protection and
Application (ICCPA 2019)****Oct. 9-12, 2019
Chongqing, China****AGREEMENT****on Hosting and Organisation of ICCPA 2019****in Chongqing, China**

ICCPA Agreement (Continued)

THIS AGREEMENT IS MADE BETWEEN

A. The European Federation of Corrosion (hereinafter called EFC)

The EFC shall fulfil its obligations deriving from the present agreement through the following office of its General Secretariat.

European Federation of Corrosion, General Secretariat - London Office
c/o The Institute of Materials, Minerals and Mining
297 Euston Road, London NW1 3AQ, United Kingdom
Phone: +44 20 7451 7332; Fax: +44 20-7839 2289
E-mail: EFC@iom3.org

B. HOST SOCIETY (hereinafter called HOST)

Chongqing Wujiu Periodicals Press
No.33 Yuzhou Road, Jiulongpo District, Chongqing, China

WHERE AS

- i) ICCPA is a conference event of EFC, Chongqing Association for Science and Technology and Chinese Society for Corrosion and Protection.
- ii) The HOST is an EFC Affiliate Member Chongqing Wujiu Periodicals Press selected by EFC to organise ICCPA 2019.
- iii) ICCPA 2019 will take place in Chongqing, China on October 9–12, 2019.
- iv) The International Scientific Committee which may be named Academic Committee and which consists of selected representatives of EFC and members selected by Chongqing Wujiu Periodicals Press.
- v) The Organising Committee which consists of members selected by the HOST and must include a representative of EFC, is responsible for the preparation of the Conference. For the duration of this agreement, the HOST shall hold a permanent secretariat through:

Name: Yingying Zhang
Address: No.33 Yuzhou Road, Jiulongpo District, Chongqing, China
Phone: 023-68792193
E-mail: wjgkbn@163.com

1. The Agreement

EFC and the HOST agree to organise ICCPA 2019. The parties to the agreement shall cooperate to ensure that the Conference provides a high-quality and representative international forum for corrosion experts from academia and industry.

2. Use of Intellectual Property Rights

The EFC shall grant to the Organising Committee the right to use the name "EFC Event No. 448" and the EFC logo and to issue all documentation for the

ICCPA Agreement (Continued)

Conference with such insignia and on behalf of the European Federation of Corrosion.

3. Responsibilities of the International Scientific Committee

The International Scientific Committee shall determine the content, structure and duration of the scientific programme and guarantee the quality of contributions.

This committee may be involved in the following areas, in connection with the Organising Committee:

- the themes and speakers for keynote addresses and plenary sessions;
- the number and choice of topics and speakers of parallel sessions;
- the selection of poster displays.

4. Responsibilities of the Organising Committee

The Organising Committee shall oversee and control the planning and running of the Conference (in association with the HOST):

- financing (budget, expenditures, search for sponsors, registration fees, etc.);
- conference facilities (conference halls, meeting rooms, poster display areas, press, communications, etc.);
- technical installations (video, LCD projection, etc.);
- accommodation (hotel reservations for participants, special arrangements for students, etc);
- conference documentation (announcements, information leaflets, calls for papers, abstracts, conference programmes, press releases, city maps/guides for foreign participants, etc.); all the electronic and printed versions must acknowledge the EFC and the conference programme must dedicate one full page to the EFC.
- the social programme of the Conference (conference dinner).

5. Responsibilities of the HOST

The HOST shall assume the financial responsibility and risk of the conference. As such the HOST will have total control of the budget and no expenditure can be incurred without its prior agreement.

The HOST will pay EFC a levy of 10% of the total registration fee paid by delegates. The levy will be payable within six months after the end of ICCPA. The bank details are:

Account name: Federation Européenne de la Corrosion
 IBAN: BE56 0013 6419 7488
 BIC / SWIFT: GEBABEBB
 Bank name and address: BNP Paribas Fortis SA, Chaussée de Boondael
 466, 1050 Ixelles, Belgium

The HOST shall provide complimentary registrations including the conference dinner, cover travel and accommodation costs (Please note that these are

ICCPA Agreement (Continued)

within the limits of the invitation letter) and provide speech reward to up to 18 (eighteen) experts selected by the EFC, who will give speeches during ICCPA.

Any other complimentary registrations will be at the discretion of the HOST. Reduced registration fee must be offered to EFC members (members of EFC Member Societies and employees of EFC Affiliates).

The HOST shall ensure that a discount (of approx. 20%) on the complete exhibition package is offered to all EFC Affiliate Members and Member Societies wishing to be an exhibitor at the ICCPA 2019 exhibition.

6. Responsibilities of the EFC

The EFC, by granting the use of its name to the event, is responsible for the scientific quality of the Conference and for the efforts deployed to ensure its success, notably by:

- providing substantial contributions to the scientific programme from the EFC Working Parties;
- promoting the Conference which must be enhanced by the supportive action of the EFC (provision of mailing lists, newsletter, systematic announcement of the Conference, for example via Internet, etc.) in order to achieve for the event a genuine international dimension;
- Encouraging and inciting that 17 EFC experts (Professor Arjan MOL, Professor Michael ROHWERDER, et al) give speeches on time according to the organizer's arrangement.

7. Duration of this Agreement

This agreement shall take effect upon signature by all parties. It shall end after payment of the levy by HOST.

8. Changes

This agreement may only be varied if such variation is in writing and signed by a duly authorised officer of each of the parties.

Signatures:

Date 2019.9.26

Date 2019.9.5



Name *Prof. Dr. J.M.C. Mol*
EFC President



Name
HOST

ICCPA Agreement (Continued)**ANNEX****ICCPA REPORT FORM**
(TO BE COMPLETED AFTER THE EVENT)DATES OF EVENT VENUE

OVERALL THEME OF THE CONFERENCE:

ACTUAL NUMBERS OF DELEGATES RELATIVE TO TARGETS:

CATEGORY**TARGET
NUMBERS** **ACTUAL
NUMBERS**

Committee Members, etc. (Invited)

Invited Speakers

EFC Member Delegates

Non-Member Delegates

Students

Day tickets (and others)

Exhibitors

Total:

Total number of complimentary registrations

ICCPA2019 LEVY: 10 % of total fees paid by delegates = €

SESSION / WORKSHOP (numbers and titles to be added)	NUMBER of sub- mitted ABSTRACTS	NUMBER of scheduled ORAL PRESENTATIONS	NUMBER of NO-SHOWS
1			
2			
3			
4			
5			