

EUROPEAN FEDERATION OF CORROSION
EUROPÄISCHE FÖDERATION KORROSION
FÉDÉRATION EUROPÉENNE DE LA CORROSION



BOARD OF ADMINISTRATORS

London, UK

March 18, 2005

MINUTES

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MINUTES

Meeting of the Board of Administrators

of the

European Federation of Corrosion

London, UK, March 18, 2005

Venue of meeting: **The Institute of Materials, Minerals and Mining
1, Carlton House Terrace
London SW1Y 5DB
U.K.**

Date and time of meeting: **Friday 18 March, 10.30 a.m.**

Chairman: **Prof. Björn Linder (EFC President)**

Secretary: **Ms Pascale Bridou (Paris Office)**

EUROPEAN FEDERATION OF CORROSION

MEETING OF THE BOARD OF ADMINISTRATORS

London, 18 March 2005

ATTENDANCE LIST

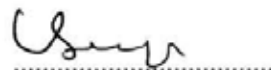
Signatures

As President of EFC :

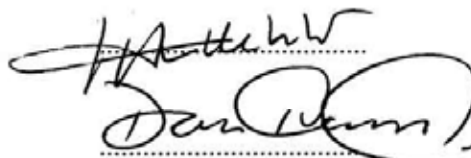
Dr. B. LINDER (Sweden)



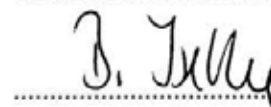
Dr. Ph. BERGE (France)



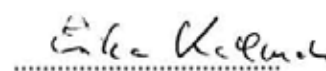
Prof. J. H. W. DE WIT (Netherlands)



Mr. D. HARROP (United Kingdom)



Prof. Dr. B. ISECKE (Germany)



Prof. Dr. E. KÁLMÁN (Hungary)

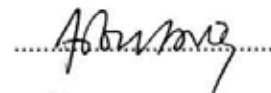
Dr. A. V. MURADOV (Russia)

Excused

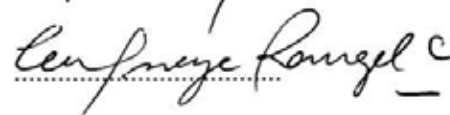
Dr. S. OLSEN (Norway)



M. A. POURBAIX (Belgium)



Dra. C. RANGEL (Portugal)



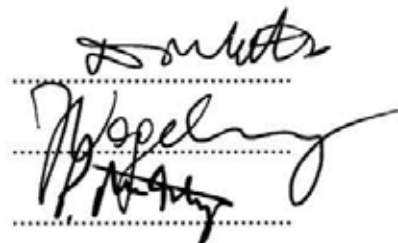
EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
London, 18 March 2005

EX OFFICIO REPRESENTATIVES

Dr. D. J. MILLS (United Kingdom), As Treasurer

Dr. J. VOGELSANG (Germany), As Chairman of the STAC

Dr. P. McINTYRE (United Kingdom), As Scientific Secretary



GENERAL SECRETARIAT

Frankfurt Office (Germany):

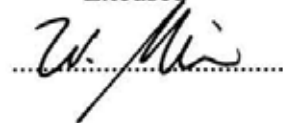
Mrs. I. HONNDORF

Prof. Dr. G. KREYSA

Dr. W. MEIER



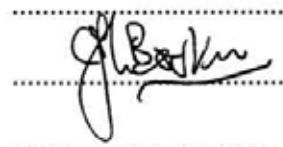
Excused



London Office (United Kingdom):

Dr. B. A. RICKINSON



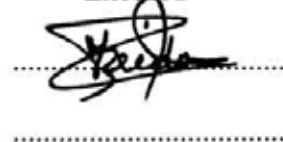


Paris Office (France):

J.-P. DAL PONT

P. BRIDOU

Excused



GUEST(S) :

Prof. M. G.S. FERREIRA (Portugal)

Prof. Dr. Ir. Walter BOGAERTS



Excused



**EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
LONDON, 18th March 2005, 10.30 a.m.**

AGENDA

- Item 01 Opening of the meeting
- Item 02 Apologies for absence
- Item 1 Approval of the Agenda and Adoption of the Minutes of the Last Meeting of BoA
- Item 2 Working Party Developments
 - 2-1 *Progress on Task Force 2: “Focussed Applications in Corrosion and Protection of Steel Structures”*
 - 2-2 *Progress on formation of the WP on “Corrosion of Polymers”*
- Item 3 Role of the EFC in Certification
 - 3-1 *Progress on Mentor C: Project on Training and Certification*
- Item 4 Liaisons with other organisations
 - 4-1 *EFC/NACE relationship*
 - 4-1.1 *Request of NACE Europe to become an EFC Member*
 - 4-1.2 *EFC Participation to International NACE Congress*
 - 4-2 *FEMS*
- Item 5 EUROCORR Series: 2004 to 2008
- Item 6 Finance
 - 6-1 *Honorary Treasurer’s Appointment*
 - 6-2 *Honorary Treasurer’s Report*
- Item 7 EFC Activities and Projects
 - 7-1 *Scientific Secretary's Report*
 - 7-2 *EFC Publications*
 - 7-3 *EFC Web Site*
- Item 8 EFC Calendar of Events
- Item 9 Administrative Matters
 - 9-1 *Opportunities for EU funding of Activities*
 - 9-2 *Co-opted Membership*
 - 9-3 *EFC Award 2005*
- Item 10 Review of EFC Statutes and Bye-Laws
- Item 11 Any other Business
 - 11-1 *EFC Presidency and Vice-Presidency*
 - 11-2 *Arrangements for the celebration of the 50th EFC anniversary*
 - 11-3 *Expression of Interest in EFC Membership by OFI (Austria)*
- Item 12 Date and Place of next BoA

UNCONFIRMED MINUTES OF THE EFC BOARD OF ADMINISTRATORS

Item 01 Opening of the meeting

Mr Linder, President of the EFC, and Chairman of the meeting, opened the meeting and welcomed the delegates present (see attendance list).

Item 02 Apologies for Absence

Apologies had been received from the following:

Mr. W. BOGAERTS, Invited Guest;
Mr. G. KREYSA, Germany;
Mr. A. MURADOV, Russia.

Item 1 Approval of the Agenda and Adoption of the Minutes of the last Meeting

1-1 The proposed agenda was approved by all the members of the new BoA.

1-2 The minutes of the Nice meeting (12 September 2004) were approved.

Item 2 Working Party Developments

2-1 *Progress on Task Force 2: “Focussed Applications in Corrosion and Protection of Steel Structures”*

The Scientific Secretary summarised progress on activities of the Task Force 2 on “Focussed Applications in Corrosion and Protection of Steel Structures”.

Mr Darowicki was expected to approach the EFC WP Chairmen in order to collect suggestions about suitable cross-working party topics for Task Force 2. The STAC Chairman should contact Mr Darovicki again to know the present situation about this recommendation.

BoA decided STAC will review the situation next September in Lisbon and make recommendation for BoA to decide the future of this Task Force.

Action 1: STAC to make recommendations to BoA concerning the future of Task Force 2 in Lisbon during September.

2-2 *Progress on formation of the WP on “Corrosion of Polymers”*

The inaugural meeting of the new WP on “Corrosion of Polymers” took place on 16th September 2004, during EUROCORN 2004 in Nice. Appendix 1 of the Working Papers provided minutes of the inaugural meeting and first workshop.

BoA strongly supports the formation of this Working Party as a recommendation for the next GA meeting on September 5, 2005, in Lisbon.

Item 3 Role of the EFC in Certification

3-1 *Progress on Mentor-C Project on Training and Certification*

The Scientific Secretary reviewed progress on the Mentor-C Project, which ended in January 2005. The general principles for the future exploitation of Mentor C Products are given in **Appendix 1**.

The proposal is as follows: 18 % or 24 % of all sales revenues are equally shared amongst the 6 core partners and the remainder is to be shared proportionally amongst producers, owners or seller, according to the table presented in page 3 of the appendix.

BoA approved this exploitation agreement of Mentor C.

Item 4 Liaisons with other organisations

4-1 *EFC/NACE (National Association of Corrosion Engineers) relationship*

4-1.1 *Request of NACE Europe to become an EFC Member*

EFC has been approached by NACE Europe requesting that NACE-Europe become a Member Society of EFC.

The NACE Articles of Incorporation, provided in Appendix 3 of the Working Papers, show that they do not fill the condition to become a Member Society of EFC.

BoA asked the Scientific Secretary to answer NACE Europe, stating that if it can modify its statutes in order to satisfy the conditions of the EFC Statutes, BoA would support its application to become a member society. If not, NACE Europe could be admitted as an Associate Member of the EFC.

Action 2: Scientific Secretary to inform NACE Europe about what requirements must be fulfilled before it can be considered eligible for full membership of EFC. On compliance with these requirements, the BoA will propose NACE Europe to the GA for admission to the Federation.

4-1.2 *EFC Participation to International NACE Congress.*

NACE had invited EFC to participate in the International Forum to be held during CORROSION/2005 in April 2005. BoA members approved the participation of the President and Scientific Secretary in CORROSION/2005 and the International Forum. They will be also be responsible for looking after the EFC Stand in the CORROSION/2005 Exhibition.

Action 3: EFC President and Scientific Secretary to participate in CORROSION/2005 during April 2005 in Houston to represent the Federation at the International Forum and at the EFC Stand.

4-2 **FEMS (Federation of European Materials Societies)**

In connection with his work for FEMS, the EFC Scientific Secretary had been involved in the establishment of the European Materials Forum (EMF). The founder members of the Forum include FEMS, E-MRS (the European Materials Research Society), EPS (the European Physical Society), ESF (the European Science Foundation) and ALLEA (the European Federation of National Academies of Sciences and Humanities).

The objectives of the EMF, which is an umbrella organisation providing a strong voice for the European materials community, are:

- To promote materials R&D in national and European research programmes
- To develop a European strategy and structure in materials science and technology
- To ensure good collaboration between policy makers, academia and industry

A report on progress concerning the formation of the European Materials Forum was provided in Appendix 5 of the Working Papers.

The Scientific Secretary also plans to report on progress in EFC Newsletter 15 which will be available in September.

As IOM3 is the main financier of FEMS, EFC is well represented in this Federation.

Action 4: Scientific Secretary to report progress of the European Materials Forum in EFC Newsletter 15.

Item 5 EUROCORR Series

5.1 EUROCORR 2004

The Paris Office reported on the results of EUROCORR 2004. The situation is the same as those presented in Appendix 6 of the Working Papers. The final amount of the EUROCORR 2004 levy is 10.763 €.

At the date of the BoA meeting, 10 % of registration had not been paid by the participants despite of many reminder letters. CEFACOR and SCI will provide a list of the names and addresses of these non-payers to the organisers of future EUROCORR events. They will also provide a list of authors of presentations who failed to show up during the congress without sending apologies.

5-2 EUROCORR 2005

EUROCORR 2005 will be held in Lisbon, on **4 – 8 September 2005**.

Mr Ferreira presented progress on the organisation of EUROCORR 2005 (see **Appendix 2**). At the date of the meeting, 620 abstracts had been received, including 440 Oral Presentations and 180 Posters. 17 technical sessions are planned with up to 5 parallel sessions and in addition there are expected to be 9 workshops.

EUROCORR 2005 Organisers expect 500 delegates.

Action 5: EFC President to pursue his invitation to Mr Janez Potočnik, European Commissioner for Science and Research, or another senior EU representative, to participate in the Opening Ceremony of EUROCORR in Lisbon.

On-line registration is now available on the EUROCORR Web Site (www.eurocorr2005.org) with special fees for early registration before June 15, 2005.

BoA Members drew attention to the need for rooms to be provided by the organisers for the meetings of the STAC and BoA on Sunday, September 4, and the meeting of the GA on Monday, September 5.

Action 6: Mario Ferreira to make provision for EFC meetings to be held in Lisbon during EUROCORR 2005, as follows:

STAC	Sunday 4 th September, 09.00 – 13.00 (Boardroom layout for up to 40);
BoA	Sunday 4 th September, 14.00 – 18.00 (Boardroom layout for up to 20);
GA	Monday 5 th September, 18.00 – 19.00 (Lecture theatre layout for up to 50).

5-3 **EUROCORR 2006**

EUROCORR 2006 will be held in Maastricht, The Netherlands, organised by NCC.

In the absence of Mr Nijhof, he has provided by e-mail information about the preliminary arrangements for EUROCORR 2006, as follows:

“The first announcement was presented in Nice.

The call for papers, including the scientific and the organisation committee, will be completed in the coming months and presented at EUROCORR 2005 in Lisbon and mailed afterwards to the DECHEMA mailing list.

The contract with the location MECC in Maastricht is signed.

The sponsor information map will be completed in May.

A first contact was made with KU Leuven about the input from Belgium into the programme.

The exhibitors of last year will be contact in the coming months.

The cooperation with DECHEMA will be discussed in May.

Action 7: Scientific Secretary to remind Mr Nijhof of the action on him from the meeting of the BoA in Nice to invite NACE to contribute to the organisation of a session at EUROCORR 2006.

5-4 **EUROCORR 2007**

EUROCORR 2007 will be held in Germany, on **September 9 - 13**, 2007, in the Concert Hall.

Mr Meier reported the preliminary arrangements on behalf of the organisers. Prof. Isecke has been selected as Chairman of the Congress. The level of provisional registration fees are the following: 200 € for students, 590 € for Academic and 760 € for Industry. The first flyer will be produced for distribution at EUROCORR 2005.

5-5 **EUROCORR 2008**

Only one bid was received for hosting EUROCORR 2008, from the Institute of Corrosion in the UK, supported by The Institute of Materials, Minerals and Mining, with the Conference Department at the University of Manchester as the local organisers .

Mr. Lyon, University of Manchester presented the project (see **Appendix 3**) which was approved by BoA.

EUROCORR 2008 will be held **on 7 - 11 September 2008**, in Edinburgh at the International Conference Centre.

Action 8: Stuart Lyon, the President of ICorr, to proceed with arrangements for EUROCORR 2008 to take place in Edinburgh, following discussions with the EFC Congress Secretariat.

5-6 **EUROCORR 2009**

Members are reminded that all bids to host EUROCORR 2009 must be submitted in writing to the Scientific Secretary **by 31st December 2005**.

Item 6 **Finance**

6-1 **Honorary Treasurer's Appointment**

On behalf of BoA, the EFC President expressed gratitude for the work of Mr. Booker as Honorary Treasurer for many years.

Mr Douglas Mills was proposed as Mr Booker's successor. BoA members confirmed the nomination of Mr Mills as EFC Honorary Treasurer.

6-2 **Honorary Treasurer's Report**

The Provisional EFC Financial report for 2004 is presented in **Appendix 4**. BoA approved the statement of account for the year ending 31 December 2004 and the budget proposal for 2006.

DECHEMA agreed to inform the Slovenian and Azerbaijan Societies that according to the Bye-Laws they will be no longer remain Members of EFC.

Action 9: Frankfurt Office to inform the Slovenian and Azerbaijan Member Societies that they have been excluded from the EFC in accordance with Clause 12.4 of the Bye-Laws.

New contacts will be made with the Force Institute - Denmark, the Hungarian Corrosion Society and the Union of Engineers & Technologists for Protection of Metals of Serbia / Montenegro.

Action 10: EFC Treasurer to submit an invoice to Mr Mortensen at the Force Institute, Denmark, for the sum of €3,000 to cover the Danish Member Society's contributions to the EFC for 2004 and 2005 and to inform him that any other outstanding contributions are to be waived.

Item 7 EFC Activities and Projects

7-1 *Scientific Secretary's Report*

The Scientific Secretary's report was presented in Appendix 8 of the Working Papers, covering activities since the last meeting of BoA in Nice on 12 September 2004.

BoA approved the Scientific Secretary's Report.

7-2 *EFC Publications*

7-2.1 *EFC Series*

Appendix 9 of the Working Papers presented the titles of new and forthcoming publications in the EFC series.

7-2.2 *Publications*

Following Antoine Pourbaix's suggestion that BoA Members should think of the opportunities to increase interest in, and the sale of, the EFC publications, BoA decided to create a special Task Force.

Members chosen for this Task Force are the following: Antoine Pourbaix, as Chairman, Bernd Isecke, Erika Kalman, Joerg Vogelsang and the Scientific Secretary.

This Task Force should make proposals during the next BoA meeting in Lisbon.

Action 11: A special Task Force is to be formed with the EFC Vice-President as its Chairman and Bernd Isecke, Erika Kalman, Jörg Vogelsang and the Scientific Secretary as its members to examine the EFC publication policy and determine whether anything can be done to improve significantly the return to the EFC.

7-2 *EFC Web Site*

A new-look EFC Web Site (www.EFCWEB.org) had been developed by the Frankfurt Office. This now includes, among other things:

- direct links with EFC Member Societies;
- a calendar of events;
- the EFC Newsletter;
- access to the 3 General Secretariats;
- a list of the Working Parties, their Chairmen and, in some cases, activities;
- a book shop with list of publications and order form.

Action 12: The Frankfurt Office is to implement agreed improvements to the EFC Website, including an electronic bookshop for the EFC books and a restricted area for the EFC Member Societies providing the GA Minutes and an EFC Event Number Application Form.

DECHEMA had sent a questionnaire to all of the EFC Member Societies; the preliminary results are provided in **Appendix 5**. The EFC Members Societies' proposals to develop the information currently covered by the EFC web site are described in topic 18.

The results of this questionnaire will also be included in the GA Working Papers for the meeting in Lisbon.

DECHEMA also proposed a restricted access area on the web site for EFC Member Societies. The login is efc.ms, and the password: member.

Action 13: Pascale Bridou to include an item on the agenda for the next meeting of the GA on the situation and expectation of Member Societies concerning EFC activities.

Item 8 EFC Calendar of Events

The Scientific Secretary introduced an update of forthcoming events in the EFC Calendar, which now includes important non-EFC events (see Appendix 10 of the Working Papers).

Action 14: Scientific Secretary to provide both the Frankfurt Office and NACE with updates of the EFC Calendar of events every quarter.

Item 9 Administrative Matters

9-1 *Opportunities for EU funding of activities*

Ideas about how to get EU funding for the EFC's activities had been scheduled for discussion with Mr. Bogaerts, who was unable to attend the meeting.

Action 15: EFC President and STAC Chairman to convene a Task Force to identify ways in which EFC can solicit EU support for its activities in the field of protection against corrosion.

Discussions about this item are postponed until the next BoA meeting in Lisbon.

9-2 *Co-opted Membership*

Proposals for co-opting two new BoA members had been received by EFC President.

DECHEMA had proposed the co-option Prof. Dr. Michael Schütze (see Appendix 11 of the Working Papers) and CEFRACOR and SCI had jointly proposed the co-option of Prof. Philippe MARCUS (see Appendix 12 of the Working Papers).

BoA Members approved these co-options and the EFC President agreed to write to these co-opted members.

Action 16: EFC President to inform Michael Schütze and Philippe Marcus that they have been proposed for co-option into the BoA, subject to the approval of the General Assembly, in accordance with Clause 14.1 of the Bye-Laws.

9-3 *EFC Awards for 2005*

9-3.1 *Marti i Franqués Medal*

BoA Members noted SEQUI have withdrawn the Marti i Franqués medal from the EFC (see Appendix 13 of the Working Papers).

9-3.2 *EFC Corrosion Medal for 2005*

The 2005 EFC Award Jury, Dr. Rolf GUBNER, Dr. Fouzia HANNOUR and Prof. Jean-Pierre VEREECKEN, under the Chairmanship of Dr. Joerg VOGELSANG, was scheduled to meet before the BoA meeting on March 18, 2005 at IOM3.

Following the call for nominations, which was sent to all the EFC Members in November 2004, the Paris Office had received 7 nominations by 25 February 2005. The 2005 EFC Award Jury, under the Proposal of the Chairman, had adopted an e-mail voting procedure.

The Jury elected Prof. Dieter Landolt, Switzerland, as the winner of the 2005 EFC Award.

The EFC Award Ceremony will be held during the Opening Ceremony at the next EUROCORR in Lisbon, Portugal, on Monday 5th September 2005.

Action 17: Paris Office to inform Dieter Landolt that he has been selected as the winner of the EFC Medal for 2005 and to invite him to the Award Ceremony in Lisbon.

9-3.3 *New EFC Award*

DECHEMA proposed the creation of a new medal to recognise administrative activities for the EFC.

Proposals will be presented on the occasion of the next BoA and General Assembly in Lisbon.

Action 18: Dechema to make proposals for a new EFC award and associated rules for approval by both the BoA and GA meetings in Lisbon.

Action 19: Paris Office to include an item on the agenda for the meeting of the BoA in Lisbon about the possibility of introducing a new EFC Award to replace the Martí Í Franqués Medal, which has been withdrawn by SEQUI.

Item 10 **Review of EFC Statutes and Bye-Laws**

Mr Harrop had proposed that the EFC Statutes (see Appendix 14 of the Working Papers) and Bye-Laws (see Appendix 15 of the Working Papers) should be reviewed to ensure that they remain appropriate in all respects. The Scientific Secretary also proposed the inclusion of an index to assist their utilisation.

BoA agreed Don Harrop will review the Statutes and Bye-Laws and make recommendations to the next BoA Meeting.

Action 20: Don Harrop to review the EFC Statutes and Bye-Laws and suggest any improvements at the next BoA Meeting in Lisbon.

Item 11 Any other Business

11-1 EFC Presidency and Vice-Presidency

The EFC President's term of office will finish next September. As both the President and Vice-President have to be BoA Members, the EFC President undertook to announce for approval at the next General Assembly a recommendation to co-opt Michael Schütze and Philippe Marcus as BoA Members and their nomination as next EFC President and Vice-President, respectively.

Action 21: EFC President to inform Michael Schütze and Philippe Marcus that they have been proposed by the BoA as the next EFC President and Vice-President, respectively, for election by the General Assembly in Lisbon.

Action 22: Paris Office to include in the GA Working Papers the election of Michael Schütze and Philippe Marcus as the next EFC President and Vice-President, respectively, on the proposal of the BoA.

11-2 Arrangements for the Celebration of the 50th EFC Anniversary

Progress on ideas for the celebration of the 50th EFC Anniversary was presented.

The Scientific Secretary announced that he had collected photographs but only from the fairly recent past period and that he needed more covering, if possible, the early days of the EFC.

The EFC President agreed to present a general lecture during the Opening Ceremony with an overview of the past, present and future activities of the EFC.

Action 23: EFC President to present during the Opening Ceremony of EUROCORR 2005 a short lecture providing an overview of the history of the EFC, its most important achievements during the past fifty years, and its future aspirations.

The BoA decided that all EFC Working Party Chairmen who have offered to make presentations during EUROCORR about the history of their WPs, should present these as keynote lectures at the beginning of their Sessions. **Appendix 6** provides, as an example, the history of WP4.

Action 24: Scientific Secretary to inform those Working Party Chairmen who have prepared talks about the history and state-of-the-art of their topics that the BoA has now decided that these should now be presented as keynote presentations during their Sessions at EUROCORR.

11-3 Expression of Interest in joining the EFC from OFI (Austria)

The Austrian Research Institute for Chemistry and Technology (OFI) had heard about the new EFC WP19 on Corrosion of Polymer Materials and had informed the Scientific Secretary of its interest in EFC membership (see Appendix 16 of the Working Papers).

BoA noted the interest of this Austrian Research Institute to apply as EFC Member.

Action 25: DECHEMA to inform OFI about the procedure to be followed to become an EFC Member.

Item 12 Date and Place of next BoA

The next BoA meeting will be held in September 2005, in conjunction of EUROCORR 2005, in Lisbon, Portugal, at a date and place to be announced later.

**ACTION LIST FROM THE MEETING OF THE EFC BOARD OF ADMINISTRATORS
HELD IN LONDON ON 18/23 MARCH 2005**

- Action 1:** STAC to make recommendations to BoA concerning the future of Task Force 2 in Lisbon during September.
- Action 2:** Scientific Secretary to inform NACE Europe about what requirements must be fulfilled before it can be considered eligible for full membership of EFC. On compliance with these requirements, the BoA will propose NACE Europe to the GA for admission to the Federation.
- Action 3:** EFC President and Scientific Secretary to participate in CORROSION/2005 during April 2005 in Houston to represent the Federation at the International Forum and at the EFC Stand.
- Action 4:** Scientific Secretary to report progress of the European Materials Forum in EFC Newsletter 15.
- Action 5:** EFC President to pursue his invitation to Mr Janez Potočnik, European Commissioner for Science and Research, or another senior EU representative, to participate in the Opening Ceremony of EUROCORR in Lisbon.
- Action 6:** Mario Ferreira to make provision for EFC meetings to be held in Lisbon during EUROCORR 2005, as follows:
- STAC Sunday 4th September, 09.00 – 13.00 (Boardroom layout for up to 40);
BoA Sunday 4th September, 14.00 – 18.00 (Boardroom layout for up to 20);
GA Monday 5th September, 18.00 – 19.00 (Lecture theatre layout for up to 50).
- Action 7:** Scientific Secretary to remind Mr Nijhof of the action on him from the meeting of the BoA in Nice to invite NACE to contribute to the organisation of a session at EUROCORR 2006.
- Action 8:** Stuart Lyon, the President of ICorr, to proceed with arrangements for EUROCORR 2008 to take place in Edinburgh, following discussions with the EFC Congress Secretariat.
- Action 9:** Frankfurt Office to inform the Slovenian and Azerbaijan Member Societies that they have been excluded from the EFC in accordance with Clause 12.4 of the Bye-Laws.
- Action 10:** EFC Treasurer to submit an invoice to Mr Mortensen at the Force Institute, Denmark, for the sum of €3,000 to cover the Danish Member Society's contributions to the EFC for 2004 and 2005 and to inform him that any other outstanding contributions are to be waived.
- Action 11:** A special Task Force is to be formed with the EFC Vice-President as its Chairman and Bernd Isecke, Erika Kalman, Jörg Vogelsang and the Scientific Secretary as its members to examine the EFC publication policy and determine whether anything can be done to improve significantly the return to the EFC.
- Action 12:** Frankfurt Office to implement agreed improvements to the EFC Website, including an electronic bookshop for the EFC books and a restricted area for the EFC Member Societies providing the GA Minutes and an EFC Event Number Application Form.
- Action 13:** Pascale Bridou to include an item on the agenda for the next meeting of the GA on the situation and expectation of Member Societies concerning EFC activities.
- Action 14:** Scientific Secretary to provide both the Frankfurt Office and NACE with updates of the EFC Calendar of events every quarter.

- Action 15:** EFC President and STAC Chairman to convene a Task Force to identify ways in which EFC can solicit EU support for its activities in the field of protection against corrosion.
- Action 16:** EFC President to inform Michael Schütze and Philippe Marcus that they have been proposed for co-option into the BoA, subject to the approval of the General Assembly, in accordance with Clause 14.1 of the Bye-Laws.
- Action 17:** Paris Office to inform Dieter Landolt that he has been selected as the winner of the EFC Medal for 2005 and to invite him to the Award Ceremony in Lisbon.
- Action 18:** Dechema to make proposals for a new EFC award and associated rules for approval by both BoA and GA meetings in Lisbon.
- Action 19:** Paris Office to include an item on the agenda for the meeting of the BoA in Lisbon about the possibility of introducing a new EFC Award to replace the Martí Í Franqués Medal, which has been withdrawn by SEQUI.
- Action 20:** Don Harrop to review the EFC Statutes and Bye-Laws and suggest any improvements at the next BoA Meeting in Lisbon.
- Action 21:** EFC President to inform Michael Schütze and Philippe Marcus that they have been proposed by the BoA as the next EFC President and Vice-President, respectively, for election by the General Assembly in Lisbon.
- Action 22:** Paris Office to include in the GA Working Papers the election of Michael Schütze and Philippe Marcus as the next EFC President and Vice-President, respectively, on the proposal of the BoA.
- Action 23:** EFC President to present during the Opening Ceremony of EUROCORR 2005 a short lecture providing an overview of the history of the EFC, its most important achievements during the past fifty years, and its future aspirations.
- Action 24:** Scientific Secretary to inform those Working Party Chairmen who have prepared talks about the history and state-of-the-art of their topics that the BoA has now decided that these should now be presented as keynote presentations during their Sessions at EUROCORR.
- Action 25:** Dechema to inform OFI about the procedure to be followed to become an EFC Member.

APPENDICES

MENTOR-C

EXPLOITATION AGREEMENT – GUIDING PRINCIPLES

- ✚ End of project = Prototype Material (!)
- ✚ Final Training Products
 - General Overview / Stimulation = Board (!?)
 - Overall Rules :
 - Cf. EC-projects – general
 - Background ⇔ foreground knowledge, © & ownership

"Foreground Information or Patents generated during the course of the Project shall be owned by the Contractor generating such information or patents. The other partners have the right to use the project results free of charge inside their companies during the first three years after the end of the project. That includes the right to use improvements of the final product free of charge during this period. After that period, the partners can acquire updates to favourable conditions."
 - Internal non-commercial use:
 - All project deliverables
 - Free
 - External or commercial use:
 - Ownership & © = original developers
 - Exploitation ÷ % participation in deliverable production (manpower / \$)

General Pattern of Exploitation of Project Results

during the project	(„pre-commercial“)	Owner: Consortium (no external partners), no sales
	The overall systems and the modules used by the partners only, as they were developed and tested.	
after 31/1/2005	(„almost commercial MENTOR-C“)	Owner: Partner(s) (no external partners), sales expected
	Commercial version of MENTOR-C systems and all modules (so as delivered in their „exe“, i.e. run-time versions) used by all partners for R&D and exploitation purposes and sold according to the provisions of the Exploitation Agreement.	
„spin-offs“ produced after MENTOR-C	(„commercial spin-offs“)	Owner: Single partner, or groups of partners
	Spin-off software products using some parts of the MENTOR-C system, modified and upgraded with the proprietary software of single partners, sold to different target industries/institutions, usually customised according to the specific needs of the target users.	

✦ **Background knowledge & © :**

- E-corr	- EFC-films : free, non-exclusive, unlimited use license to all consortium members (with mentioning of original source)
- Shreir	
- "Corrosion.tv" domain name	

✦ **Project Deliverables / Outcomes (Products) :**

- **Basics of Corrosion**
 - 6 modules, 4 languages:
 - **Unit 1: Intro + Corrosion Forms (E, F, D, P)**
 - **Unit 2: Electrochemistry (E, F, D, P)**
 - **Unit 3A: Design (E, F, D, P)**
 - **Unit 3B: Materials Selection (E, F, D, P)**
 - **Unit 3C: Coatings (E, F, D, P)**
 - **Unit 3D: Environment (E, F, D, P)**
- **Specialist Modules**
 - **General = Shreir**
 - **Weld-related Corrosion**
 - **Coatings**
 - **Failure Analysis**
 - **Level 2 = (Corrosion) Engineer**
 - **{Multi-level Browsing: Hyperbolic Interface}**
- **Corrosion.tv website / umbrella**

✦ **Project Outcomes' Revenues – PROPOSAL :**

- **General principles: cf. supra**
- ***E.g. 18% (or 24% ?; during 3 years) of all sales revenues; equally shared amongst all 6 core partners ...***
 - e.g. also compensates for general or smaller contributions
- **Remainder: shared proportionally amongst producers / owners , or seller ...**

✦ **Third Party Exploitation ?...**

- **E.g. Technologica**
- **NACE**
- **Elsevier, ...**

MENTOR-C Exploitation Agreement
Proposed Distribution of income from Sales of Commercial Products
Expressed in Percentage Terms for each Unit/Module
After Sharing 18-24 % of the Income Equally Between the Partners

Outcome (product)	EFC	Leuven	CoRI	Dechema	ISQ	Umist	Other
Unit 1 (Intro + Corrosion Forms) - E	0	100	0	0	0	0	0
Unit 1 (Intro + Corrosion Forms) - F	0	80	20	0	0	0	0
Unit 1 (Intro + Corrosion Forms) - D	0	80	0	20	0	0	0
Unit 1 (Intro + Corrosion Forms) - P	0	80	0	0	20	0	0
Unit 2 (Electrochemistry) - E	0	50	0	0	0	50	0
Unit 2 (Electrochemistry) - F	0	40	20	0	0	40	0
Unit 2 (Electrochemistry) - D	0	40	0	20	0	40	0
Unit 2 (Electrochemistry) - P	0	40	0	0	20	40	0
Unit 3A (Design) - E	40	40	0	0	0	20	0
Unit 3A (Design) - F	40	40	20	0	0	0	0
Unit 3A (Design) - D	40	40	0	20	0	0	0
Unit 3A (Design) - P	40	40	0	0	20	0	0
Unit 3B (Materials Selection) - E	0	100	0	0	0	0	0
Unit 3B (Materials Selection) - F	0	80	20	0	0	0	0
Unit 3B (Materials Selection) - D	0	80	0	20	0	0	0
Unit 3B (Materials Selection) - P	0	80	0	0	20	0	0
Unit 3C (Coatings) - E	40	40	0	0	0	20	0
Unit 3C (Coatings) - F	40	40	20	0	0	0	0
Unit 3C (Coatings) - D	40	40	0	20	0	0	0
Unit 3C (Coatings) - P	40	40	0	0	20	0	0
Unit 3D (Environment) - E	40	40	0	0	0	20	0
Unit 3D (Environment) - F	40	40	20	0	0	0	0
Unit 3D (Environment) - D	40	40	0	20	0	0	0
Unit 3D (Environment) - P	40	40	0	0	20	0	0
Level 2: (Corrosion Engineer)	0	0	0	0	0	100	0
Specialist: Weld-related Corrosion	0	0	0	0	90	10	0
Specialist: Coatings	0	0	90	0	0	10	0
Specialist: Failure Analysis	0	100	0	0	0	0	0
Specialist: Shreir (general)	0	100	0	0	0	0	0
Hyperbolic Interface (multilevel) website	0	100	0	0	0	0	0
Corrosion.TV	0	100	0	0	0	0	0

EUROCORR
Lisboa, 4 / 8 September,



Lisbon, Instituto Superior Técnico



EUROCORR 2005



IST Congress Centre





EUROCORR 2005

Registration Fees

	Before June 15, 2005	After June 15, 2005
EFC Members	€ 610	€ 710
Non-EFC Members	€ 660	€ 770
Students	€ 250	€ 300
One day registration	€ 230	€ 280
Accompanying Persons	€ 150	€ 280

Registration fees include:

- Admission to all Congress Sessions, Poster Sessions and Exhibition
- Welcome Reception, Coffee Breaks, Congress Dinner (except for students) and Sightseeing Tour
- Book of Abstracts and Congress Proceedings (CD-ROM)
- Fees for Accompanying Persons include Congress Dinner and other Social Events



EUROCORR 2005

TECHNICAL SESSIONS:

- Topics corresponding to the EFC Working Parties: 17

WORKSHOPS:

- In addition to the Congress Sessions, 9 Workshops are planned, focusing on specific subjects.
- Special Workshop Sponsored by NACE:
"ISO 15156/MR0175 - Evolution, Application, Implications and Experience"



EUROCORR 2005

WORKSHOPS:

Corrosion Control in the Aeronautical Industry (Hot Topic)	D. Dixon, J.C.S. Fernandes
Atmospheric Corrosion	M. Morcillo, E. Almeida, C. Arroyave, V. Kucera
Biomaterials: Corrosion and Wear	P. Dearnley, T. Moura e Silva, M.J. Carmezim
Heritage Preservation	F. Macedo, M. G. S. Ferreira
Alternative Reinforcing Materials for Corrosion Control in Concrete Structures	M. Raupach, C. Andrade, X. Nóvoa, M.F. Montemor
Corrosion Inhibitors to Fight Naphtenic Acid Corrosion	F. Ropital, G. Schmitt
Corrosion Issues in Future Nuclear Systems	D. Féron
Pre-Treatments	L. Fedrizzi, A.M.P. Simões, H. Terryen
Trends in Electrochemical Techniques	C. Brett, B. Cottis



EUROCORR 2005

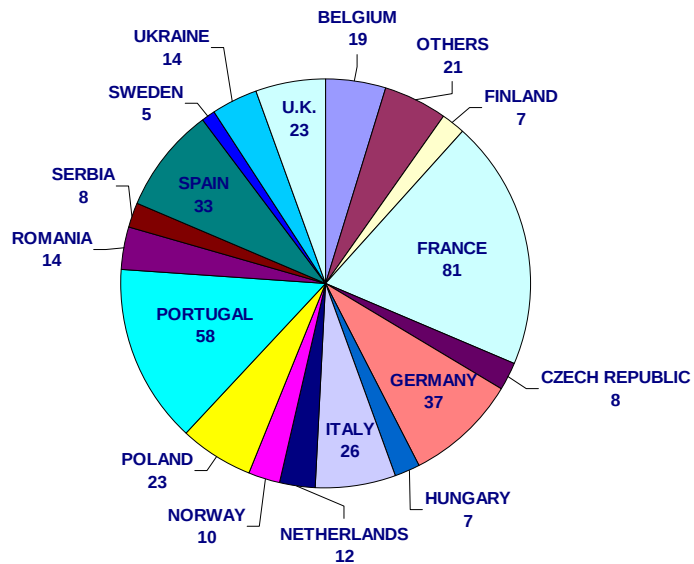
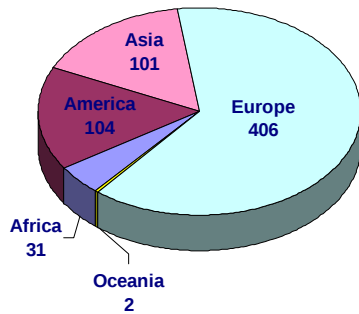
Abstracts Submitted (February 2005):

- Abstracts Received: 620
- Oral Presentations: 440
- Poster Presentations: 180
- Expected Number of Participants: 500



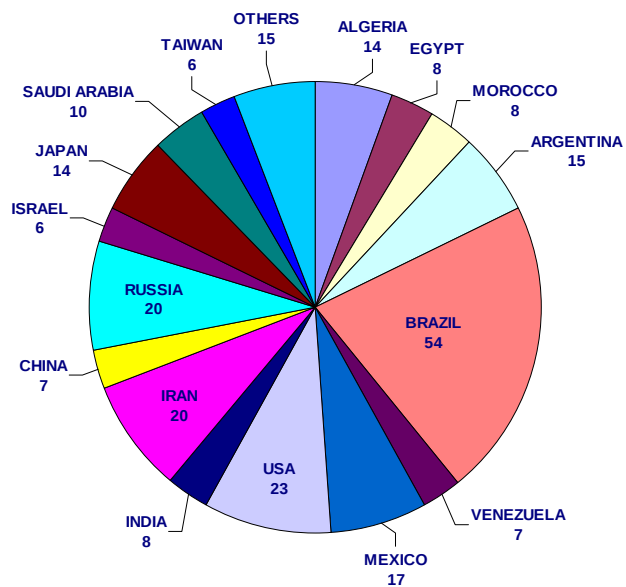
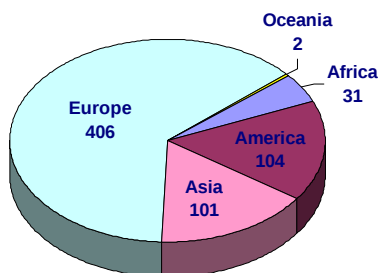
EUROCORR 2005

EUROPE



EUROCORR 2005

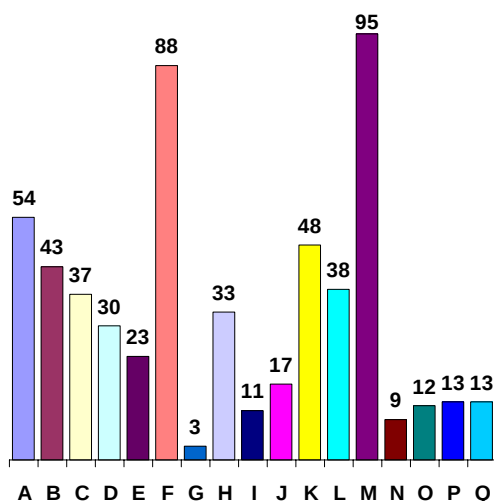
OTHER CONTINENTS





EUROCORR 2005

Technical Sessions

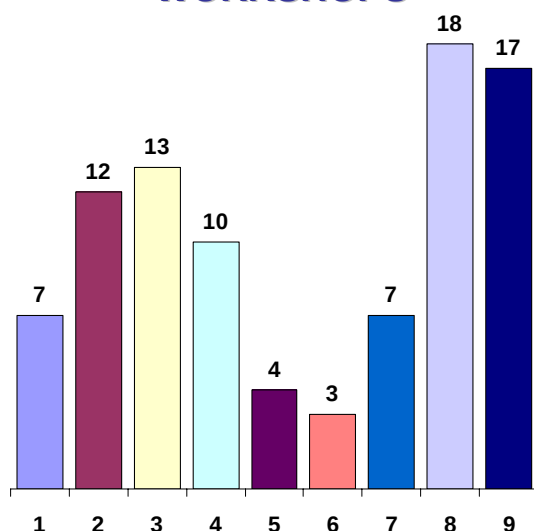


- A. Corrosion and Scale Inhibition
- B. Corrosion and Protection of Steel Structures
- C. High Temperature Corrosion in Energy Conversion
- D. Nuclear Corrosion
- E. Environment Sensitive Fracture
- F. Surface Science and Mechanisms of Corrosion and Protection
- G. Corrosion Education and Computer Applications
- H. Corrosion Testing
- I. Control of Marine Corrosion for Sustainable Development
- J. Control and Causes of Microbiological Influenced Corrosion
- K. Corrosion in Concrete
- L. Corrosion in Oil and Gas Production
- M. Coatings
- N. Failure Cases and Corrosion under Insulation in the Refinery Industry
- O. Cathodic Protection of Buried Structures
- P. Automotive Corrosion
- Q. Corrosion and Tribo-corrosion phenomena in the automotive industry



EUROCORR 2005

WORKSHOPS



- 1. Corrosion Control in the Aeronautical Industry
- 2. Atmospheric Corrosion
- 3. Biomaterials: Corrosion and Wear
- 4. Heritage Preservation
- 5. Alternative Reinforcing Materials for Corrosion Control in Concrete Structures
- 6. Corrosion Control and Prevention in Conveying Water Systems
- 7. Corrosion Inhibitors to Fight Naphtenic Acid Corrosion
- 8. Corrosion Issues in Future Nuclear Systems
- 9. Pre-Treatments
- 10. Reliability of Polymer Piping Installations and Cracking of Polymer Materials
- 11. Corrosion Monitoring and Standards
- 12. Trends in Electrochemical Techniques



EUROCORR 2005

TENTATIVE PROGRAMME

SUNDAY 9 th OCTOBER	MONDAY 10 th OCTOBER	TUESDAY 11 th OCTOBER	WEDNESDAY 12 th OCTOBER	THURSDAY 13 th OCTOBER
	08.00 Registration			
	09.00 Opening and Plenary Lecture	09.00 Plenary Lecture	09.00 Plenary Lecture	
	10.00 – 13.00 Parallel Sessions	10.00 – 13.00 Parallel Sessions	10.00 – 13.00 Parallel Sessions	09.00 – 13.00 Parallel Sessions
	13.00 Lunch Break	13.00 Lunch Break	13.00 Lunch Break	13.00 Lunch Break
	14.30 – 16.00 Parallel Sessions		14.30 – 18.00 Parallel Sessions	14.30 – 17.30 Parallel Sessions
15.00 Conference Registration	16.15 – 17.00 EFC Awards	14.30 – 18.00 Excursion		17.30 Closing Ceremony
18.00 Welcome Reception	17.00 Poster session		19.00 Conference Dinner with Show	



EUROCORR 2005

DEADLINES:

- 31 March 2005: Notification of acceptance to authors
- 16 May 2005: Submission of full manuscripts
- 15 June: Early registration fees

CONGRESS SECRETARIAT:

- Congress website: www.eurocorr2005.org



EUROCORR 2005

SOCIAL PROGRAM:

- Congress Dinner
- Congress Tour: Sintra, Cascais and Estoril Coast (radius of 30 km)
- Welcome Reception: Lisbon

OPTIONAL TOURS:

- Lisbon Half Day Tour
- Sintra / Estoril / Cabo da Roca
- Mafra / Queluz / Sintra / Estoril
- Óbidos / Nazaré / Fátima

EUROCORR 2008

7th to 12th September

Edinburgh International Conference Centre

Eurocorr 2008 in Edinburgh

- Bid Team
- Conference Theme:
Interdisciplinarity
- Venue and Facilities
- Social Activities
- Transport Links
- Budget





Bid Team

Formally consisting of representatives from:

- Council of the Institute of Corrosion,
- Corrosion Committee of the Institute of Materials
- UK Corrosion Coordination Group

Provisional conference chair:

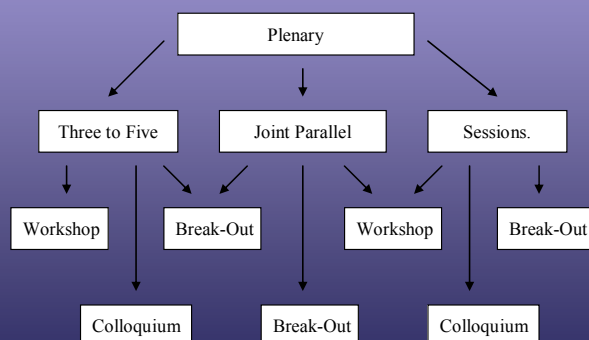
- Stuart Lyon, President, Institute of Corrosion; School of Materials (Corrosion & Protection Centre), University of Manchester



Conference Theme - *Interdisciplinarity*

Encourage joint parallel sessions between Working Parties

- Minimise duplication between parallel sessions
- Maximise opportunities for commonality



Parallel with smaller “break-out sessions as workshops and colloquia

- Institute of Corrosion is lead EFC organisation
- Committee representation and support from ICorr, IOM³, CAPCIS Ltd. and Corrosion & Protection Centre
- UK Corrosion event suspended for 2008
- Corrosion Science Symposium (student research-in-progress event) integral part of Eurocorr and Internationalised
- UR Evans awardee offered as a Plenary lecturer.
- Technical Sessions and Exhibition in one building



- 2-4 minutes walk from Haymarket rail station
- 5-8 minutes walk to centre of Edinburgh (Princess Street)
- Adjacent to Sheraton Hotel and Spa; many other hotels within 5-15 minutes walk

- 1 x 600 seat for plenary converting into 3 x 200 seat hall for main sessions
- 2 x 100 seat rooms
- 1 x 50 seat room
- Speaker preparation room
- Exhibition hall/restaurant



City of Edinburgh



- Historic capital of Scotland, current home of the Scottish Parliament
- Outstanding cultural heritage: Home of the Scottish Enlightenment, “Athens of the North”

- 10 minutes to the historic port of Leith and the Firth of Forth
- 20 minutes to the Scottish Highlands



Accommodation



- Wide choice to suit all budgets from over £100 to about £20.
- Hotel booking agency – wide choice of rooms within 5-10 minutes walk from 2 to 5 star.
- Excellent local bars and restaurants
- City centre location, close to student quarter





Social Programme

- Welcome Reception
- International Evening celebrating local and visiting cultures
- Civic Reception/Conference Banquet hosted at the City Hall/ University or at a local point of interest – museums, sports venues, galleries, etc.
- Excursions such as:
 - Royal Yacht Britannia
 - Whisky distillery tour
 - Golf – St. Andrew's/ Carnoustie
 - Falkirk Canal Boat Lift
 - Historic Scone Palace



Connections

Planes

- Edinburgh International Airport (8 miles from city centre)
- Glasgow International Airport (45 miles from Edinburgh)
- Direct flights to more than 50 European cities



Trains

- 4 Hrs from London; 40 minutes from Glasgow

Road and Tram

- Fast, efficient local bus transport

Provisional Budget

Aim to keep registration fee (after inflation) equal to or less than Nice:

- 2003 Budapest: 530/580 Euro
- 2004 Nice: 720/840 Euro
- 2005 Lisbon: 610/710 Euro

Maximum fees:

Non EU Member: 840/940 Euro

Presenting Student: 300 Euro

Budget breakeven at 300 delegates



EUROCORR:
Edinburgh 2008



EUROPEAN FEDERATION OF CORROSION

BOARD OF ADMINISTRATORS

18 MARCH 2005

LONDON

HONORARY TREASURER'S REPORT

incorporating the provisional statement of accounts
for the year ending 31 December 2004
and a Budget Proposal for 2006.

HONORARY TREASURER'S REPORT

1. SUMMARY

The **provisional statement of accounts** for the year ended 31 December 2004 taking into account the excellent outcome from EUROCORR 2004 at Nice represents a reasonable outcome, generating a small annual surplus against a balanced budget.

There is continuing concern over arrears with certain Member Societies' subscriptions, accompanied by a breakdown in communication in some cases. It must be recognised that the practice of writing off bad debts results in a loss of value in the accumulated surpluses. The Bye-Laws make adequate provision for regulating that situation by action through the Frankfurt Office. On the other hand rigorous application of the Bye-Laws may run the risk of premature loss of members. This is a situation which has to be kept under review.

The review of contribution rates has been notified to all those MS concerned - to be implemented for 2005 in the invoices to be sent out in April.

As part of the new financial strategy the proposals for the 2006 budget recommend the prospect of investing an increased allocation to Working Party projects as agreed at a previous meeting of the Board. It is anticipated that compensation would in part be achieved by the anticipated additional income generated from the new Eurocorr levy formula. As noted on previous occasions it has been possible to work within a balanced budget while still retaining a prudent level of reserves.

2. DRAFT STATEMENT OF ACCOUNTS FOR THE YEAR ENDING 31 DECEMBER 2004

Subscription Income (see Annex 1)

The current list of contributions due from Member Societies up to 1st March 2005 is shown.. Invoices were issued on 1st June and a reminder sent in November. Contributions are still outstanding from:

- (a) *The Force Institute (Denmark) 2001, 02, 03, 04
- (b) Hungarian Corrosion Society 2004
- (c) * * Institute of Metals and Technologies (Slovenia) 2002, 03 & 04
- (d) Union of Engrs & Technologists for Protection of Metals (Serbia/Montenegro) 2004 (e)
- Azerbaijan Society for the Protection of Metals : last contribution 1999

*** an action under Bye-Law 12 was proposed in the November invoice but without reply**
*** * an action under Bye-law 12 is recommended**

Income and Expenditure Account (see Annex 2)

The I/E account compares the budget figures for 2004 with the actual estimated result alongside the figures for 2003.

On income it should be noted that the Eurocorr levy represents a minimum amount notified, while the final royalties from book sales may be less than estimated.

On expenditure there is underspend on Scientific Secretary's fees - a deficit that is clearly unjustified. within the year's workload, while the Hon Treasurer's absence from Nice reduced the spend on Honorary Officers expenses.

There is an estimated increase in the surpluses in the General Fund of € 11874 to € 25331.

Balance Sheet (Annex 3)

This summarises the position with the addition of the Educational Fund, from which there has been no expenditure to date.

The present estimated reserves in the General Fund stand at €29356

Notes 1-8 expand on particular items of income and expenditure.

3. DRAFT BUDGET FOR 2006 (Annex 4)

The budget in prospect for 2006 attempts to provide some renewal of activity by the Working Parties while working within a balance budget and the guidelines set out by the Board. WP chairman could be encouraged to review their programmes and submit bids to be considered for appropriate allocations within the STAC budget. In discussion with the Scientific Secretary there is in hand also a prospect under consideration to deploy some of the resources in the "restricted" Education Fund for the exploitation of the outcomes from the Mentor C Project. Further consideration will need to be given to these matters.

4. REVIEW OF CONTRIBUTION RATES

The notices of the new incremental programme of increased contribution rates has been circulated to all those MS concerned, to be implemented with the 2005 invoices to be issued in April at the rate of € 240

5. CONCLUSION

In its 50th year the financial position of the EFC is stable with prospects of growth. The estimated risks involved on a yearly basis should be covered by a sound level of reserves. The enthusiasm and commitment of the member societies provide an essential driving force which should serve my successor well.

It has been my privilege to work in close association with our ubiquitous and indefatigable Scientific Secretary together with the eminent Board members I have met through ten years on the inside of the EFC and to enjoy the generous hospitality extended in my several EUROCORN visits.

In the following months I have offered to provide such assistance as may be welcome in the London office during the period of transition and wish you all well in the future.

C J L Booker
Honorary Treasurer (retiring)

ANNEX 1: 2004 CONTRIBUTIONS TO EFC FUNDING (as at 01 March 2005)

Ref.	SOCIETY	COUNTRY	Charge Received	
			Euros	Euros
1	Eisenhutte Osterreich Montanuniversitat	Austria	1000	1000
2	Branche Belge de la SCI	deregistered		
3	CEBELCOR	Belgium	1500	1500
4	Force Instituttet	Denmark	1500	1500 * -
5	The Finnish Corrosion Society	Finland	1500	1500
6	CEFRACOR	France	1500	1500
7	Societe de Chimie Industrielle	France	1500	1500
8	GFKORR	Germany	1500	1500
9	DECHEMA eV	Germany	1500	1500
10	Associazione Italiana di Metallurgia AIM	Italy	1000	1000
11	CSFCE, Italy	expelled		
12	AITIVA	Italy	1000	1000
13	Nederlands Corrosie Centrum NCC	The Netherlands	1500	1500
14	Bond voor Materialenkennis BVM	expelled		
15	Norsk Korrosjonsteknisk Forening	Norway	1500	1500
16	INETI	Portugal	1000	1000
17	Sociedade Portuguesa de Materiais	Portugal		
18	Sociedad Espanola de Quimica Industrial	Spain	1000	1000
19	Swedish Corrosion Institute	Sweden	1500	1500
20	Schweizerische Gesell. fur Chimische Ind	resigned		
21	SGO	resigned		
22	Institute of Corrosion	UK	1500	1500
23	The Institute of Materials	UK	1500	1500
24	Committee of Corrosion Protection, Bulgaria	expelled		
25	Croatian Society for Materials Protection	Croatia	150	150
26	Czech Association of Corrosion Engineers	Czech Republic	150	150
27	Hungarian Chemical Society	resigned		
28	Hungarian Corrosion Society	Hungary	150	150
29	Hungarian Scientific Society of Mech. Eng.	resigned		
30	Polskie Stowarzyszenie Korozyjne	Poland	150	150
31	All Union Corrosion Association	dissolved		
32	Institute of Metals and Technologies	Slovenia	150	0
33	Ukranian Association of Corrosionists	Ukraine	150	150
34	Union of Eng. & Tech. for Prot. of Metals	Serbia/Montenegro	150	0
35	Azerbaijan Society for the Prot. of Metals	Azerbaijan	150	0
36	Corrosion Committee of Romanian Academy	Romania	150	150
37	ANTIKOR	Russia	150	1500 **
38	The Corrosion Association	Turkey	150	150
<u>TOTAL</u>			<u>24650</u>	<u>25550</u>

* to be agreed before invoicing

* * paid in 2005

EUROPEAN FEDERATION OF CORROSION

Annex 2: Provisional financial statements for the year ended 31 December 2004

INCOME AND EXPENDITURE

Income	Note	2004 budget €	2004 results €	2003 results €
Subscriptions		24,650	26,000	26,000
Less: Bad and doubtful debts	(1)	0	3,300	150
Net subscriptions receivable		24,650	22,700	25,850
Eurocorr levy		10,000	10,168	4,659
Royalties		3,000	3,000	2,652
Project income	(2)	0	4,659	8,056
Other income		0	243	839
		37,650	40,770	42,056
Expenditure				
<i>Scientific Secretary</i>				
Fees		12,000	10,662	11,445
Travel, accommodation, subsistence, postage, stationery & other costs		3,900	3,047	2,857
IoM administration charge		7,000	7,000	7,000
	(3)	22,900	20,709	21,302
Honorary Officers expenses		3,000	428	1,346
Support for working parties	(4)	8,450	5,363	2,686
Project expenses	(2)	0	4,659	8,056
NACE registration		1,000	500	0
Medal		0	0	1,000
Bank charges		300	39	76
Contingency sum		1,000	238	297
Total expenditure		36,650	31,937	34,763
Surplus/(deficit)		1,000	8,833	7,293
Exchange (losses)/gains		0	(2,256)	(413)
Surplus/(deficit) for the year		1,000	6,577	6,880
Surplus brought forward		18,754	18,754	11,874
Surplus carried forward		19,754	25,331	18,754

EUROPEAN FEDERATION OF CORROSION

Annex 3 Financial statements for the year ended 31 December 2004 BALANCE SHEET

		31/12/04	31/12/03
		€	€
Current assets			
Outstanding subscriptions	(5)	2,100	5,700
Other debtors	(6)	17,942	9,061
Amount held by IoM3		8,894	7,475
Bank balance		14,736	14,720
		43,672	36,956
Current liabilities			
Creditors and accruals	(7)	2,240	1,621
Amounts received in advance	(8)	12,076	12,556
		14,316	14,177
Net assets		29,356	22,779
 General fund		 25,331	 18,754
Education fund		4,025	4,025
Total funds		29,356	22,779

EUROPEAN FEDERATION OF CORROSION

Annex 3 Financial statements for the year ended 31 December 2004 (Continuation)

1) Bad and doubtful debts	2004 results		2003 results	
	€	€	€	€
<i>Subscriptions written off</i>				
Denmark	4,500		0	
Azerbaijan	0		600	
		4,500		600
<i>Increase/(decrease) in provision against doubtful debts</i>				
Azerbaijan			(450)	
Solvenia	300			
Denmark	(1,500)			
		(1,200)		(450)
		3,300		150
2) Project income and expenditure				
Income				
CORRCEPT	0		648	
MENTOR C	4,659		8,163	
CORPROT	0		(755)	
MATNET	0		0	
		4,659		8,056
Expenditure				
Scientific Secretary fees	3,085		3,780	
Travel and subsistence	1,574		418	
Other costs	0		3,858	
		4,659		8,056
3) Scientific Secretary				
Fees	10,662		11,445	
Travel & incidental expenses	1,835		2,084	
Postage & courier costs	1,212		773	
IoM administration charge	7,000		7,000	
		20,709		21,302
4) Support for working parties				
Scientific Secretary fees	1,200		2,686	
Other costs (paid)	2,709		0	
Other costs (accrued)	1,454		0	
		5,363		2,686

EUROPEAN FEDERATION OF CORROSION

Annex 3 Financial statements for the year ended 31 December 2004 (Continuation)

	2004 results		2003 results	
	€	€	€	€
5) Subscriptions outstanding				
Denmark		1500		4,500
Azerbaijan		150		0
Slovenia		450		300
Serbia/Montenegro		150		0
Amounts received in 2005 (2004)		150		2,400
		2,400		7,200
Provision for irrecoverable subscriptions		(300)		(1,500)
		2,100		5,700
6) Other debtors				
Publication royalties		3,000		2,652
Eurocorr levy		10,763		4,659
Working party expenses paid in advance		0		1,750
MENTOR C project		4,179		0
		17,942		9,061
7) Creditors and accruals				
Scientific secretary's fees/expenses		56		1,621
Working party expenses		1,454		0
NACE registration fee		500		0
2005 subscription received		230		
		2,240		1,621

Amounts received in advance

This represents project grants received but not expended at the year end

EUROPEAN FEDERATION OF CORROSION**ANNEX 4: PROPOSED BUDGET FOR 2006****INCOME**

	2004 (Actual) Euro	2005 (Budget) Euro	2006 (Budget) Euro
Subscriptions	26000	27900	31900
Less bad and doubtful debts	3300		
	22700		
EUROCORR Congress levy	10168*	4500	4500
Royalties	3000	3000	3000
Other income (courses)	243		0
Total	36111	35400	39400

EXPENDITURE

Scientific Secretary:			
Fees	10662	12000	12000
Travel & postage etc	3047	3900	3900
Administration charge	7000	7000	7000
Paris Office charge	0	4000	4000
Honorary Officers expenses	428	3000	3000
European Corrosion Medal	0	1000	0
Support for Working Parties	5363	2200	7460
NACE (EUROCORR Registration)	500	1000	1000
Bank charges	39	300	40
Contingency sum	238	1000	1000
	27277	35400	39400
(Deficit)/Surplus for the year	8834	0	0
Exchange (losses)/gains	(2256)		
Net(Deficit)/Surplus for the year	6578		0

- Present minimum levy forecast

EFC QUESTIONNAIRE – Preliminary results

The following evaluation is based on the answers of 20 EFC Member Societies, who completed and returned the EFC Questionnaire by 10 March 2005.

Member Societies from the following countries did not answer: Albania, Azerbaijan, Denmark, Finland, Hungary, Italy (AITIVA only), Poland, Portugal (SPM only), Serbia, Slovenia, Spain, Switzerland.

An extended list of EFC Member Societies is attached as **Annex 1**.

Question 1 and 2: Name and Address of Society

Please see extended list of EFC Member Societies (Annex 1)

Question 3: Does your society comprise individual members, company members, others?

15 out of 20 Member Societies comprise individual members.

15 out of 20 Member Societies comprise company members.

4 out of 20 Member Societies comprise other forms of membership including universities, research institutes, students, schools affiliates, industrial affiliates, or no membership because of their status as a governmental institute.

Question 4: How many individual members belong to your organisation?

In total the 20 EFC Member Societies have around 30,000 individual members, of which around 7,000 have interest in corrosion.

The number of individual members of the different societies, if any, is described in **Table 1** (see next page).

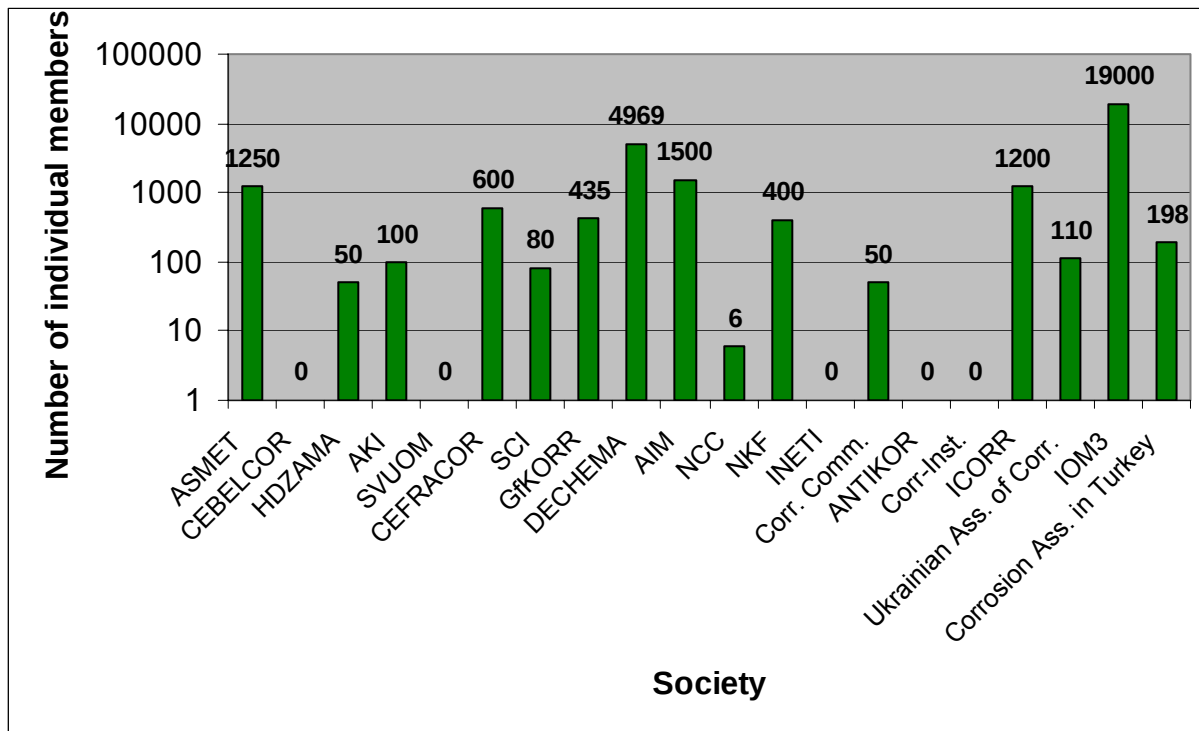


Table 1: Number of individual members per society

Question 5: What percentage of your income is derived from members' individual subscription?

The percentage of income derived from members' individual subscription ranges from < 1 to 100. 4 societies indicate percentages between 50 and 100.

Question 6: How many employees does your society have?

The number of employees, excluding the Society's Chief Executive or EFC contact person, if any, ranges from 0 to 600 (INETI).

6 out of 20 EFC Member Societies have no permanent staff.

6 societies employ less than 10 people.

5 societies employ between 15 and 50 people.

For details see **Table 2**.

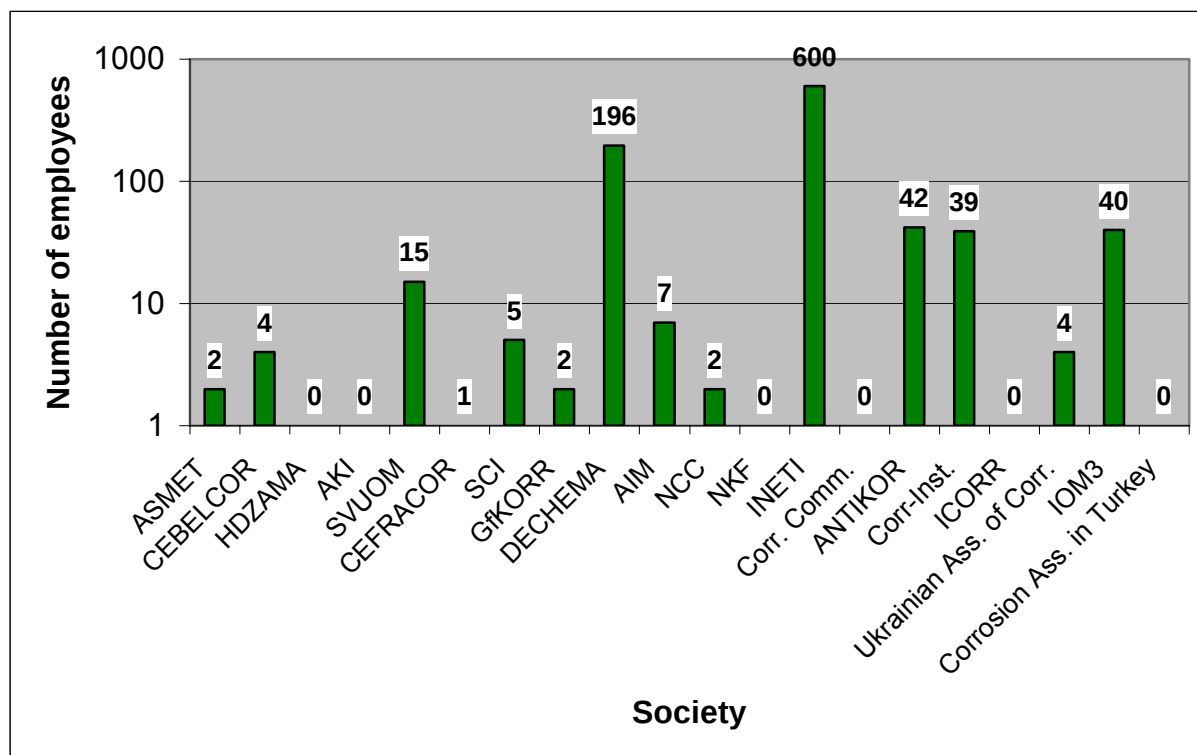


Table 2: Number of employees per society

Question 7 to 9: Names of Chief Executive, principle EFC contact and Finance officer

The names of the societies' Chief Executives, principle EFC contact persons and Finance Officers are listed in **Annex 1**.

Question 10: What proportion of your members have interest in corrosion?

The distribution of interest in corrosion in the EFC Member Societies is as follows:

proportion of interest in corrosion [%]	number of societies
100	12
50-90	2
20 - 49	1
≤ 10	4
unknown	1

Question 11: Does the scope of your society extend beyond corrosion to include other branches such as materials science, chemistry, or other branches of science, etc? Please provide details:

Besides corrosion, the EFC Member Societies cover the following branches of science or research areas:

- materials science and engineering
- welding; welding fabrication
- metallurgy
- diagnostics of steel structure
- stone (degradation, aging, remediation)
- minerals and mining technology
- maintenance management
- micro- and biotechnology
- chemistry and chemical engineering
- electrochemistry
- environmental science; environmental chemistry; pollution control
- education

**Question 12: Your activities in the field of corrosion:
Do you have a separate corrosion division?**

5 out of 20 EFC Member Societies have a separate corrosion division. The principle contact person within this division, if any, is listed in the extended list of EFC Member Societies, **Annex 1**.

Question 13: Do you publish your own membership magazine?

14 out of 20 EFC Member Societies publish their own house journal or newsletter. For details see the extended list of EFC Member Societies (**Annex 1**).

Question 14: Do you have your own Society website and do you wish to have a link from the EFC website to your Society website?

19 out of 20 EFC Member Societies have their own website and wish to have a link from the EFC website to their Society's website.

The web addresses are included in the extended list of EFC Member Societies (see **Annex 1**).

Question 15: Are you sufficiently informed about the activities of EFC and its Working Parties?

17 out of 20 EFC Member Societies feel that they are sufficiently informed about the EFC activities.

The three societies who answered "no" would like to receive more information on the following areas: all EFC matters (2 societies), general EFC matters (three societies), Working Party activities (one society), as well as the role of/share of workload among the three General Secretariats and the official EFC address in Belgium (one society).

Question 16: In addition to the activities currently covered by EFC, are there other subjects (scientific field, cooperation, economic aspects etc.) that you would you like the Federation to address?

The Federation is asked to discuss the following subjects:

- improve scientific and educational cooperation among EFC Member Societies
- inform about and stimulate/coordinate participation in EU programmes
- raise corrosion awareness more widely (public perception)
- investigate the possibility of a European Institute of Corrosion
- develop centralised actions to inform Member Societies and the corrosion community about EFC activities (press releases etc.)

8 societies did not comment.

Question 17: Would you welcome occasional meetings, in addition to the annual General Assembly, to provide the opportunity for an informal exchange of ideas and views between the EFC Administration and the Member Societies?

15 out of 20 EFC Member Societies would welcome occasional meetings in addition to the General Assembly.

Question 18: In addition to the information currently covered by the EFC website (www.efcweb.org) and the EFC Newsletter is there other information etc. that you would like the website and the Newsletter to provide?

In general the EFC is requested to make more efforts in keeping the website up-to-date.

The Federation is requested to include the following topics on the website:

- information about the cooperation with NACE and the advantages of the cooperation for EFC members
- links to EFC Member Societies
- information about EU programmes and projects in the field of corrosion
- back issues of the EFC Newsletter
- Minutes of BoA, STAC and GA meetings
- complete the Working Party information
- complete the list of EFC publications
- keynote addresses from past EUROCORN meetings

It was also suggested that two (shorter) issues of the EFC Newsletter be published instead of one big issue per year.

11 societies did not comment.

ANNEX 1 EUROPEAN FEDERATION OF CORROSION

Member Societies

(March 2004)

ALBANIA

Albanian Corrosion Society Bulevardi Zogu i I-re 2 Tirana, Albania Tel.: 00355-42 490 81 E-mail: zgace@hotmail.com Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Prof. Dr. Zana Gace <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name:</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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AUSTRIA

Technisch-wissenschaftlicher Verein „Eisenhütte Österreich“ The Austrian Society of Metallurgy and Materials (ASMET) c/o Dr. Heimo Jäger Montanuniversität Institut für Eisenhüttenkunde A-8700 Leoben Tel.: 0043-3842 45 189 Fax: 0043-3842 402 2202 E-mail: asmet@unileoben.ac.at Website: www.asmet.at	<i>Chief Executive:</i> Dr. Heimo Jäger <i>EFC Contact:</i> Dr. Günter Hochörtler, Böhler Edelstahl GmbH, Mariazeller Str. 25, A-8605 Kapfenberg <i>Contact corrosion division:</i> Dr. G. Hochörtler <i>Finance Officer:</i> Dr. Heimo Jäger <i>Employees:</i> 2 <i>Publication:</i> yes <i>Name:</i> BHM (Berg- und Hüttenmännische Monatshefte) <i>Issues/year:</i> 12 <i>Language:</i> Englisch or German <i>Contact:</i> Prof. Dr. H. Clemens
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AZERBAIJAN

ASPC - Azerbaijan Society 'Protection against Corrosion' A. Alekperov str., 97 apt. no. 113 370141 Baku Tel.: 00994-12 392 800 Fax: 00994-12 392 800 E-mail: farhad@artel.net.az	<i>Chief Executive:</i> <i>EFC Contact:</i> Prof. G.F. Aliyev <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name:</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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BELGIUM

CEBELCOR - Centre Belge de la Corrosion Belgian Center for Corrosion Study Avenue Paul Héger, Grille 2 B-1000 Bruxelles Tel.: 0032-2 649 63 96 Fax: 0032-2 649 31 07 E-mail: cebelcor@ulb.ac.be or apourbai@ulb.ac.be Website: www.cebelcor.org	<i>Chief Executive:</i> Mr. Jacques Kissel <i>EFC Contact:</i> Ir. Antoine Pourbaix <i>Finance Officer:</i> - <i>Employees:</i> 4 <i>Publication:</i> yes <i>Name:</i> Rapports Techniques de CEBELCOR <i>Issues/year:</i> very occasional <i>Language:</i> French, English mostly <i>Contact:</i> Chief Executive
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CROATIA

Hrvatsko Društvo za Zastitu Materijala Croatian Society for Materials Protection c/o Dr. sc. Darko Rajhenbah University of Zagreb Fakultet strojarstva i brodogradnje Ivana Lucija 5 10000 Zagreb Croatia Tel.: 00385-1 6168 309 Fax: 00385-1 6168 343 E-mail: hdzama@fsb.hr Website: www.hdzama.hr	<i>Chief Executive:</i> - <i>EFC Contact:</i> Dr. Sc. Darko Rajhenbah <i>Finance Officer:</i> - <i>Employees:</i> - <i>Publication:</i> no
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CZECH REPUBLIC

AKI – Asociace korozních inženýru Czech Association of Corrosion Engineers Technická 1905 16628 Praha 6 Czech Republic Tel.: 00420-2 24 31 01 51 Fax: 00420-2 24 31 11 36 E-mail: aki@vscht.cz Website: www.vscht.cz/met/aki/akisbrt.htm	<i>Chief Executive:</i> - <i>EFC Contact:</i> Mr. Pavel Novak <i>Finance Officer:</i> - Employees: - <i>Publication:</i> yes, magazine <i>Name:</i> Koroze a Ochrana Materialu <i>Issues/year:</i> 4 <i>Language:</i> Czech (Slovak) <i>Contact:</i> Mr. Jiri Sikac or Mr. Ludek Joska
SVUOM s.r.o. – výzkumný ústav pro korozi a ochranu materiálu SVUOM Ltd. - research institute for corrosion and protection of materials U mestanskeho pivovaru 934/4 170 04 Praha 7 Czech Republic Tel.: 00420-220 809 996 Fax: 00420-220 809 981 E-mail: svuom@vol.cz Website: www.svuom.cz	<i>President:</i> Prof. Dr.-Ing. Vladimir Cihal <i>Chief Executive:</i> Ing. Eva Kalabisová, Ing. Hana Kalousková, Ing. Katerina Kreislová <i>EFC Contact:</i> Prof. Dr.-Ing. Vladimir Cihal <i>Finance Officer:</i> ? Employees: 15 <i>Publication:</i> no

DENMARK

FORCE Institutes Korrosionscentralen Park Allé 345 DK-2605 Broendby Tel.: 0045-43 26 70 00 Fax: 0045-43 26 70 11 E-mail: force@force.dk Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Ing. Ebbe Rislund <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name:</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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FINLAND

The Corrosion Society of Finland - FINNCORR c/o Jari-Jukka Kukkonen Helsinki University Laboratory of Corrosion Vuorimiehentie 2 FIN-02150 Espoo Tel.: 00358-9 451 27 49 Fax: 00358-9 451 27 98 Email: Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Jari-Jukka Kukkonen <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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FRANCE

CEFRACOR - Centre Francais de l'Anticorrision French Corrosion Center 28, rue Saint-Dominique F-75007 Paris Tel.: 0033-1 47 05 39 26 Fax: 0033-1 45 55 90 74 E-mail: cefracor@club-internet.fr or infos@cefracor.org Website: www.cefracor.org	<i>President:</i> Dr. Gérard Pinard Legry <i>Assistant:</i> Miss Hassina Founas <i>EFC Contact:</i> Dr. Gérard Pinard Legry <i>Finance Officer:</i> - <i>Employees:</i> 1 assistant + several volunteers <i>Publication:</i> yes, information bulletin <i>Name:</i> Note-Flash <i>Issues/year:</i> 6 <i>Language:</i> French <i>Contact:</i> Mr. R. Darras
SCI - Société de Chimie Industrielle 28, rue Saint-Dominique F-75007 Paris Tel.: 0033-1 53 59 02 13 Fax: 0033-1 45 55 40 33 E-mail: sci.fr@wanadoo.fr or del.gen@sfgp.asso.com Website: www.scifrance.org	<i>President:</i> Mr. Jean-Pierre Dal Pont <i>EFC Contact:</i> Mr. Philippe Berge, Ms. Pascale Bridou <i>Finance Officer:</i> - <i>Employees:</i> 5 <i>Publication:</i> yes, information bulletin <i>Name:</i> SCI-Info <i>Issues/year:</i> 1 <i>Language:</i> French <i>Contact:</i> Mrs. Pascale Bridou

GERMANY

DECHEMA e.V - Gesellschaft für Chemische Technik und Biotechnologie e.V. Society for Chemical Engineering and Biotechnology e.V. Postfach 15 01 04 D-60061 Frankfurt Tel.: 0049-69 75 64 143/209 Fax: 0049-69 75 64 299 E-mail: meier@dechema.de honndorf@dechema.de Website: www.dechema.de	<i>President:</i> Dr. Alfred Oberholz <i>Chief Executive:</i> Prof. Dr. Gerhard Kreysa <i>EFC Contact:</i> Dr. Willi Meier, Ms. Ines Honndorf <i>Finance Officer:</i> Mr. Schwab <i>Employees:</i> 196 <i>Publication:</i> yes, journal <i>Name:</i> Chemie -Ingenieur-Technik <i>Issues/year:</i> 11 <i>Language:</i> German <i>Contact:</i> Dr. Christina Hirche
GfKORR - Gesellschaft für Korrosionsschutz e.V. GfKORR – Society for Corrosion Protection Postfach 15 01 04 D-60061 Frankfurt Tel.: 0049-69 75 64 360 Fax: 0049-69 75 64 391 E-mail: gfkorr@dechema.de Website: www.gfkorr.de	<i>President:</i> Prof. Dr. Günther Schmitt <i>Chief Executive:</i> Dr. Till Weber <i>EFC Contact:</i> Dr. Till Weber <i>Finance Officer:</i> - <i>Employees:</i> 1,5 <i>Publication:</i> yes <i>Name:</i> Materials & Corrosion <i>Issues/year:</i> 12 <i>Language:</i> German and English <i>Contact:</i> Dr. Jürgen Mietz, BAM; juergen.mietz@bam.de

HUNGARY

Hungarian Corrosion Society 'HUNKOR' c/o Dr. Judit Telegdi Hungarian Academy of Sciences Chemical Research Center Pusztaszeri ut 59/67 H-1025 Budapest Tel.: 0036-1 325 7933 Fax: 0036-1 325 7509 E-mail: telegdi@cric.chemres.hu Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Dr. Judit Telegdi <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name:</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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ITALY

Associazione Italiana di Metallurgia (AIM) Italian Association of Metallurgy Centro Corrosione Piazzale R. Morandi, 2 I-20121 Milano Tel.: 0039-02 76 39 77 70 Fax: 0039-02 76 02 05 51 E-mail: aim@aimnet.it Website: www.aimnet.it	<i>Chief Executive:</i> Mr. Carlo Madaschi <i>EFC Contact:</i> Mr. Carlo Madaschi <i>Contact corrosion division:</i> Prof. Tommaso Pastore <i>Finance Officer:</i> - <i>Employees:</i> 7 <i>Publication:</i> yes <i>Name:</i> I a metallurgia italiana <i>Issues/year:</i> 12 <i>Language:</i> Italian and English <i>Contact:</i> Mrs. Antonella Donzelli
AITIVA Associazione Italiana Tecnici Industrie Vernici e Affini I Piazzale Morandi, 2 I-20121 Milano Tel.: 0039-02 78 49 69 Fax: 0039-02 78 49 69 E-mail: Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Prof. M. Dino Mallamaci <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>

NETHERLANDS

NCC - Nederlandse Corrosie Centrum Postbus 190 NL-2700 AD Zoetermeer Tel.: 0031-79 353 1411 Fax: 0031-79 353 1365 E-mail: ncc@fme.nl Website: www.corrosiecentrum.nl	<i>Chief Executive:</i> Dr.ir. G.H. Nijhof <i>EFC Contact:</i> Dr.ir. G.H. Nijhof <i>Finance Officer:</i> - <i>Employees:</i> 3 <i>Publication:</i> yes, Newsletter <i>Name:</i> NCC Nieuwsbrief <i>Issues/year:</i> 4-6 <i>Language:</i> Dutch <i>Contact:</i> NCC office
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NORWAY

NKF - Norsk Korrosjonstekniske Forening Norwegian Corrosion Society c/o Dr. Torfinn Havn Aker Kvaerner P.O. Box 589 N-4001 Stavanger Tel.: 0047-51 89 80 00 Fax: 0047-51 89 82 63 E-mail: torfinn.havn@akerkvaerner.vom Website: www.nkfstavanger.org/html/index.htm	<i>Chief Executive:</i> Mr. Torfinn Havn <i>EFC Contact:</i> Mr. Torfinn Havn <i>Finance Officer:</i> - <i>Employees:</i> - <i>Publication:</i> no
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POLAND

Polish Corrosion Society c/o Dr. Agnieszka Krolikowska Road & Bridge Research Institute Jagiellonska 80 PL-03301 Warszawa Tel.: 0048-22 811 9453 Fax: 0048-22 811 3097 E-mail : akrolikowska@ibdim.edu.pl Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Dr. Agnieszka Krolikowska <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name:</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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PORTUGAL

INETI - Instituto Nacional de Engenharia e Tecnologia e Inovacao Estrada do Paco do Lumiar, 22 P-1649-038 Lisboa Tel.: 00351-21 092 46 49 Fax: 00351-21 716 37 96 E-mail: elisabete.almeida@ineti.pt Website: www.ineti.pt	<i>Chief Executive:</i> Alcides Pereira <i>EFC Contact:</i> Ms. Elisabete M. Almeida <i>Contact corrosion division:</i> Ms. Elisabete M. Almeida <i>Finance Officer:</i> adress invoice to LTR <i>Employees:</i> 600 <i>Publication:</i> yes <i>Name:</i> Corrosao e Protectao de Materiais <i>Issues/year:</i> 4 <i>Language:</i> Portuguese, abstracts in English and French <i>Contact:</i> Dr. Teresa Cunhadiamantino
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Sociedade Portuguesa de Materiais (SPM) INETI-DMPT Estrada do Paco do Lumiar 22 P-1649-038 Lisboa Tel.: 00351-21 716 51 81 Fax: 00351-21 716 65 68 E-mail: Website :	<i>Chief Executive:</i> <i>EFC Contact:</i> Prof. José Marat-Mendes <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name:</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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ROMANIA

Comisia de Corozione a Acdemiei Romane Corrosion Commission of the Romanian Academy c/o Prof.Dr. Octavian Radovici University Politehnica - IMST Spl. Independentei 313 RO-060042 Bucharest Tel.: 0040-21 40 29 170 E-mail: o.radovici@teh.prod.pub.ro Website:	<i>Chief Executive:</i> - <i>EFC Contact:</i> Prof. Dr. Octavian Radovici <i>Contact corrosion division:</i> Prof. Dr. Octavian Radovici and Dr. Alexandra Banu <i>Finance Officer:</i> - <i>Employees:</i> - <i>Publication:</i> no
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RUSSIA

ANTIKOR – International Scientific & Educational Corrosion Centre c/o Dr. Alexandr V. Muradov Gubkin State University of Oil & Gas Lenin Avenue, 65 119991 Moscow Tel.: 007-095 135 72 86 Fax: 007-095 135 72 86 Email : muradov@gubkin.ru Website: antikor@gubkin.ru	<i>Chief Executive:</i> Prof. A.V. Muradov <i>EFC Contact:</i> Prof. A.V. Muradov <i>Finance Officer:</i> Prof. A.V. Muradov <i>Employees:</i> 42 <i>Publication:</i> no
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SERBIA

Engineers' & Technicians' Union for Protection of Materials c/o Prof. Dr. Caslav Lacnjevac University of Belgrade Fac. of Technology & Metallurgy P.O. Box 3503 11120 Belgrade Yugoslavia (Serbia) Tel.: 00381-11 3370 460 Fax: 00381-11 3370 387 E-mail: Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Prof. Dr. Caslav Lacnjevac <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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SLOVENIA

Institute of Metals and Technology Lepi pot 11 SI-61000 Ljubljana Tel.: 00386-61 17 01 900 Fax: 00386-61 17 01 939 E-mail: Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Prof. Dr. Leopold Vehovar <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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SPAIN

Sociedad Espanola de Química Industrial (SEQUI) Departamento de Ingenieria Chimica & Metalurgia Facultad de Quimica Martí I Franqués 1, 6° planta E-08028 Barcelona Tel.: 0034-93 402 90 13 Fax: 0034-93 402 12 91 E-mail: Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Dr. Jaume Soley <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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SWEDEN

Korrosionsinstitutet SCI AB Swedish Corrosion Institute Kräftriket 23 A S-10405 Stockholm Tel.: 0046-8 674 1711 Fax: 0046-8 674 1780 E-mail: bertil.sandberg@corr-institute.se Website: www.corr-institute.se	<i>Chief Executive:</i> Mr. Bertil Sandberg <i>EFC Contact:</i> Mr. Bertil Sandberg <i>Finance Officer:</i> Mrs. Helene Stromberg <i>Employees:</i> 39 <i>Publication:</i> yes <i>Name:</i> Nordisk Corrosion <i>Issues/year:</i> 3-4 <i>Language:</i> Scandinavian and English <i>Contact:</i> Mr. Tomas Hult; tomas.hult@corr-institute.se
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SWITZERLAND

Swiss Society for Surface Technology SGO/SST c/o Dr. Patrick Schmutz EMPA Dübendorf Überlandstraße 129 CH-8600 Dübendorf Tel.: 0041-1 823 48 45 Fax: 0041-1 823 40 15 E-mail: Patrick.Schmutz@empa.ch Website:	<i>Chief Executive:</i> <i>EFC Contact:</i> Dr. Patrick Schmutz <i>Finance Officer:</i> <i>Employees:</i> <i>Publication:</i> <i>Name</i> <i>Issues/year:</i> <i>Language:</i> <i>Contact:</i>
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TURKEY

Korozyon Dernegi Corrosion Association in Turkey c/o Prof. Dr.-Ing. Mustafa Doruk Middle East Technical University Metallurgical and Materials Engineering Dept. 06531 Ankara Turkey Tel.: 0090-0312 210 25 16 Fax: 0090-0312 210 12 67 E-mail: mdoruk@metu.edu.tr Website: www.korozyondernegi.org.tr	<i>Chief Executive:</i> Prof. Dr.-Ing. Mustafa Doruk <i>EFC Contact:</i> Prof. Dr.-Ing. Mustafa Doruk <i>Finance Officer:</i> Prof. Dr.-Ing. Mustafa Doruk <i>Employees:</i> - <i>Publication:</i> yes <i>Name:</i> KOROZYON <i>Issues/year:</i> 1-3 <i>Language:</i> Turkish and English <i>Contact:</i> Mr. Oktay Akat, Akat Müh AS, Hosdere Cad 190/2, Cankaya, 06550 Ankara, Turkey; email: akatmuh@cablonet.com.tr
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UKRAINE

Ukrainian Association of Corrosionists Physico-Mechanical Institute 5, Naukova Str. 79601 Lviv Ukraine Tel.: 00380-322 63 15 77 Fax: 00380-322 63 15 77 E-mail: pokhurs@ipm.lviv.ua Website: www.ipm.lviv.ua	<i>Chief Executive:</i> Prof. V. Pokhmurskii <i>EFC Contact:</i> Prof. V. Pokhmurskii <i>Finance Officer:</i> yes <i>Employees:</i> 4 <i>Publication:</i> no
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UNITED KINGDOM

The Institute of Materials, Minerals and Mining 1 Carlton House Terrace London SW1Y 5DB UK Tel.: 0044-207 451 73 67 Fax: 0044-207 839 17 02 E-mail: Bernie Rickinson@iom3.org Website: www.iom3.org	<i>Chief Executive:</i> Dr. B.A. Rickinson <i>EFC Contact:</i> Dr. Paul McIntyre <i>Contact corrosion committee:</i> Dr. Paul McIntyre <i>Finance Officer:</i> Mr. R. Milbank <i>Employees:</i> 40 <i>Publication:</i> yes <i>Name:</i> Materials World <i>Issues/year:</i> 12 <i>Language:</i> English <i>Contact:</i> Sally Wilkes
The Institute of Corrosion The President Corrosion House Vimy Court Leighton Buzzard Bedfordshire LU7 1FG UK Tel.: 0044-1525 851 771 Fax: 0044-1525 376 690 E-mail: admin@icorr.org Website: www.icorr.org	<i>President:</i> <i>EFC Contact:</i> The President <i>Finance Officer:-</i> <i>Employees:</i> - <i>Publication:</i> yes <i>Name:</i> Corrosion Management <i>Issues/year:</i> 6 <i>Language:</i> English <i>Contact:</i> The President



Fifty years of nuclear corrosion in Europe

From the pioneer period to a safe and mature industry

Philippe Berge, Damien Féron***

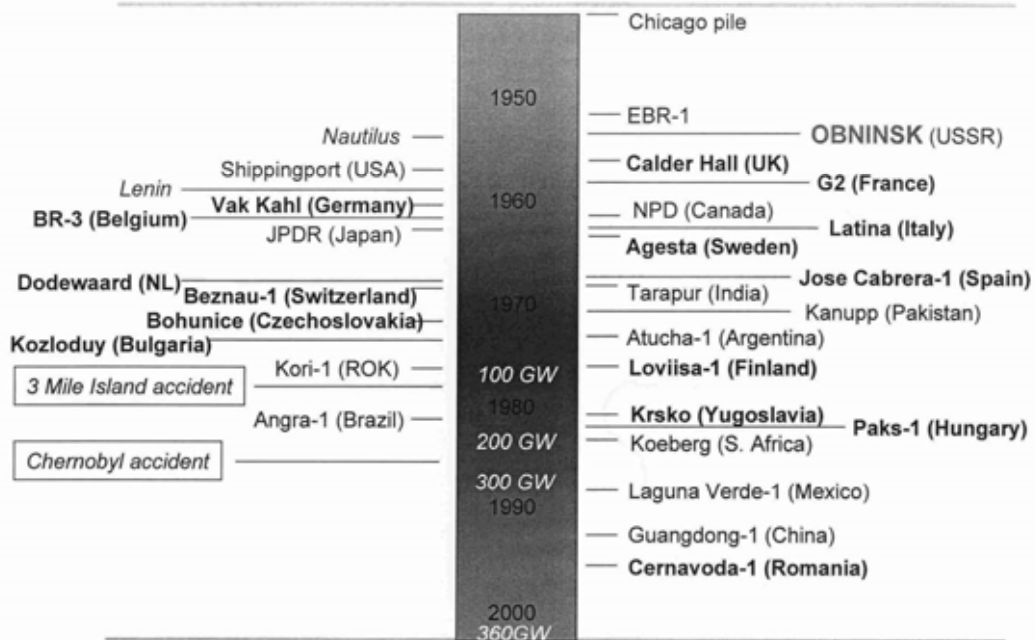
** Former chairman of EFC and of WP4*

*** Today chairman of WP4*

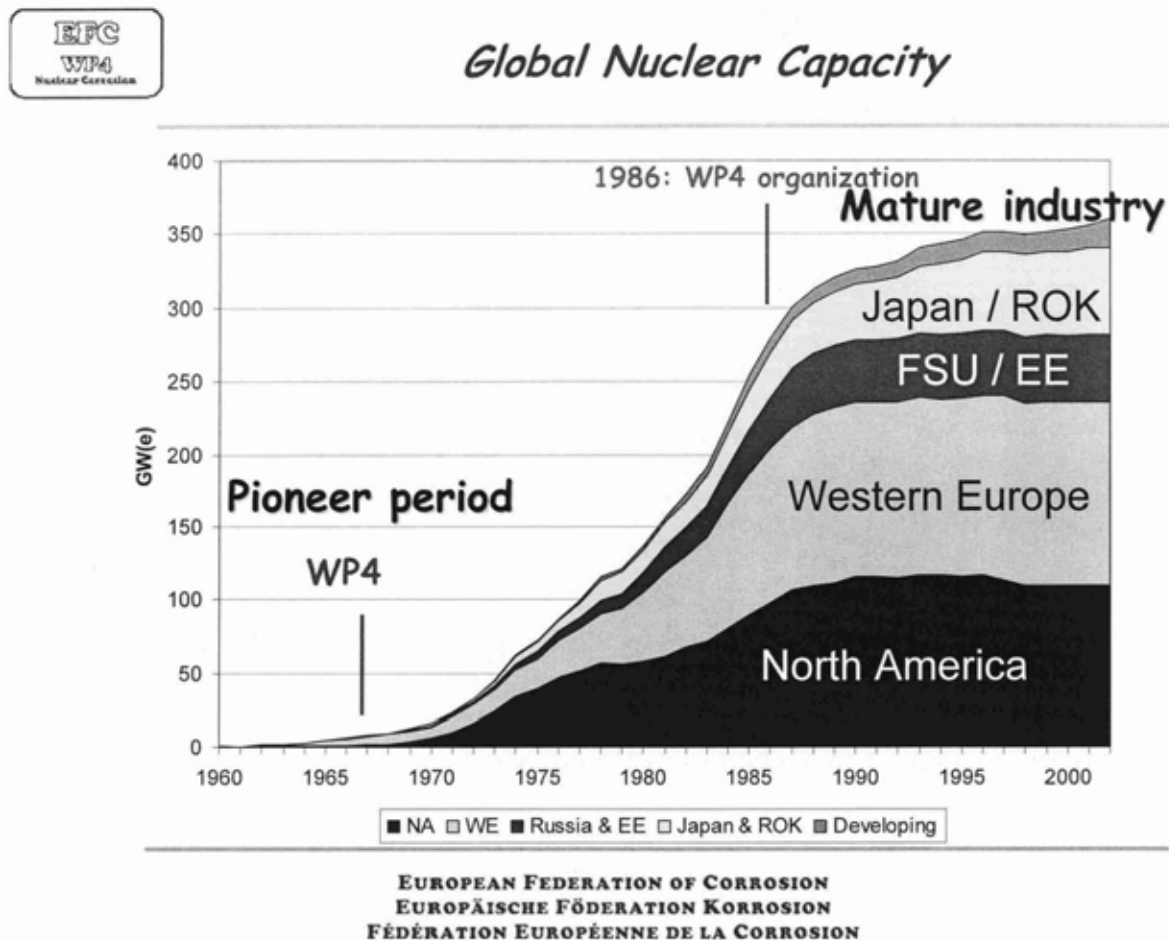
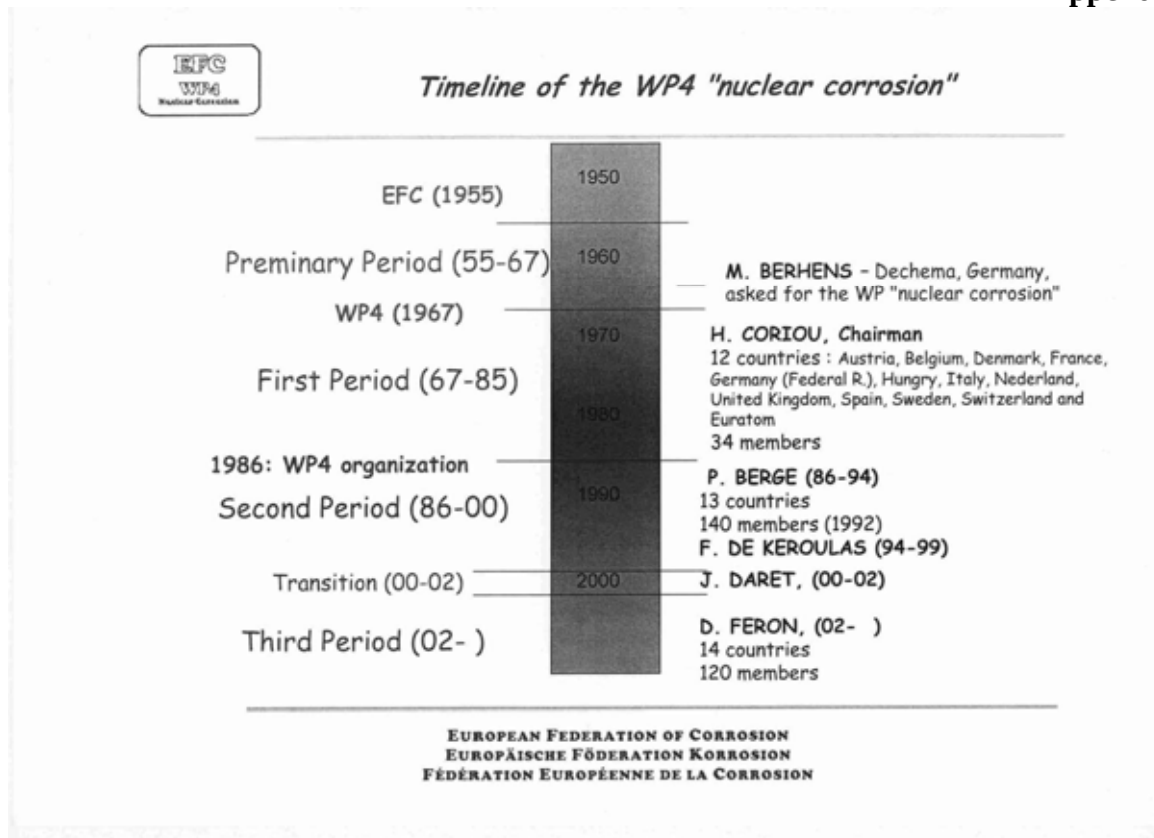
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Timeline of first industrial Nuclear Power Plants

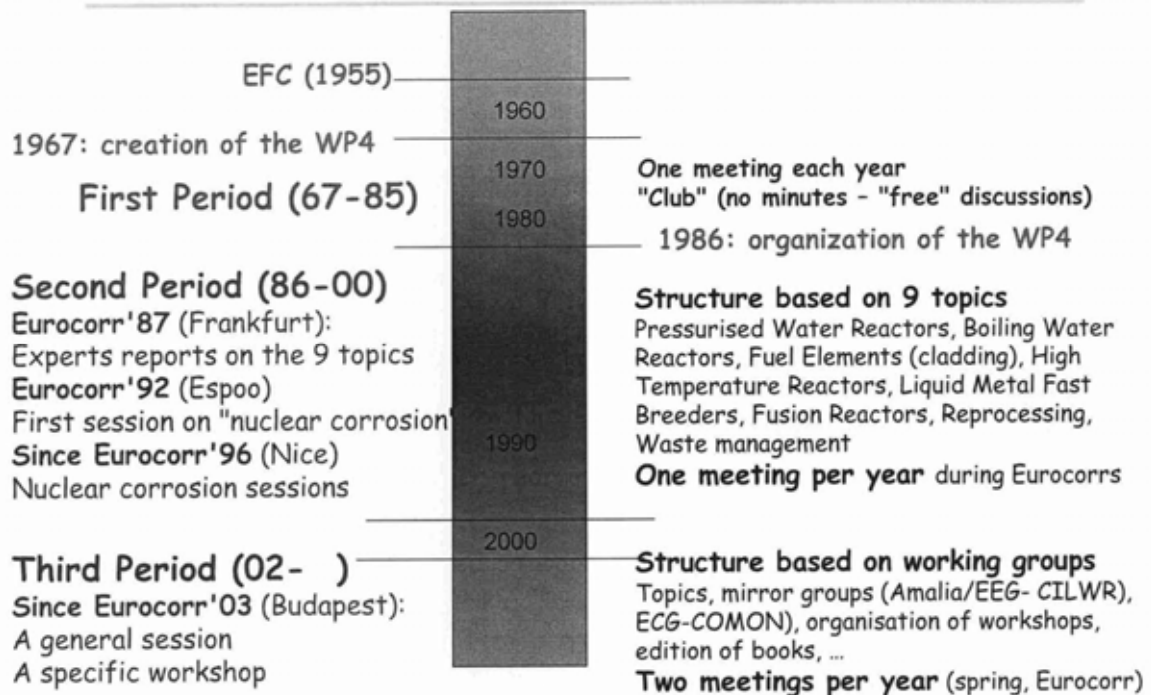


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Evolution of the organisation / Eurocorr WP4 "nuclear corrosion"



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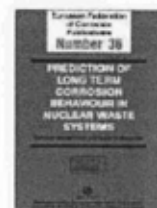
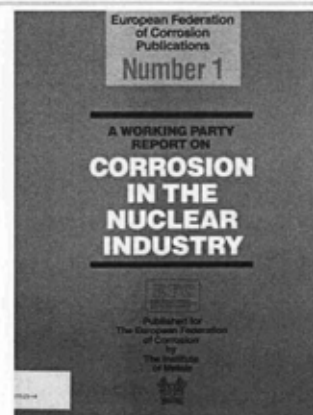
WP4 contributions to nuclear industry evolution Specific Workshops / Books

1991 Handeck (Switzerland) workshop
"Corrosion problems related to nuclear waste storage"

2001 Cadarache (France) workshop
"Prediction of long term corrosion behaviour in nuclear waste systems (CEA & Penn. State U.) - EFC Event N° 256
Followed by the Nice workshop on the same item during Eurocorr'2004

2004 Leuven (Belgium) Seminar
"High temperature electrochemistry in light water reactor's"
EFC event N° 279

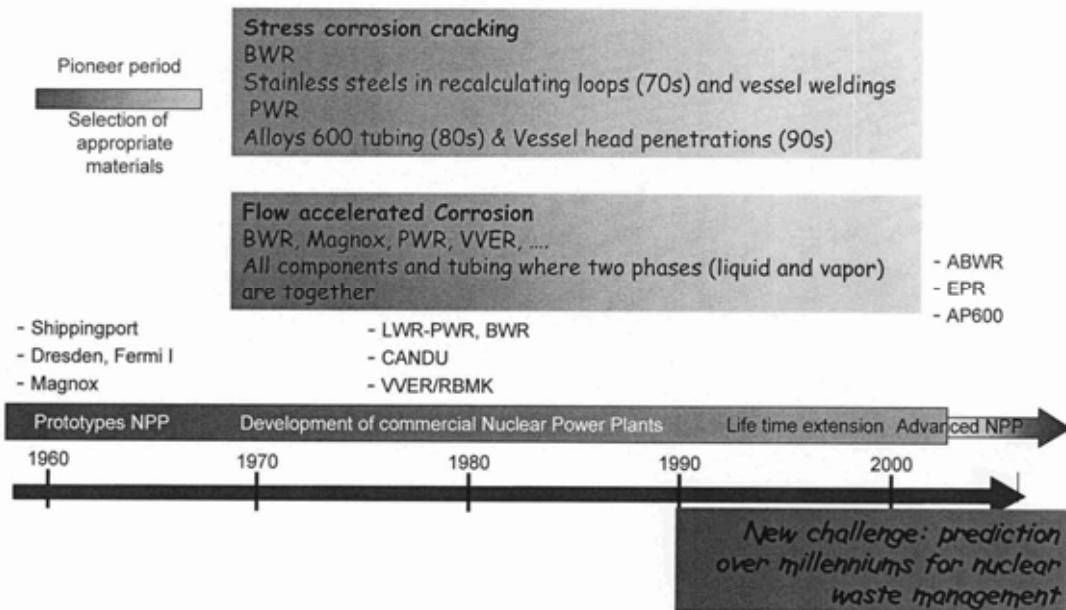
EFC series N°1
Corrosion in the Nuclear Industry
EFC series N°7
Corrosion problems related to nuclear waste disposal
EFC series N°36
Prediction of long term corrosion behaviour in nuclear waste systems
Proceedings of Nice workshop (ANDRA)



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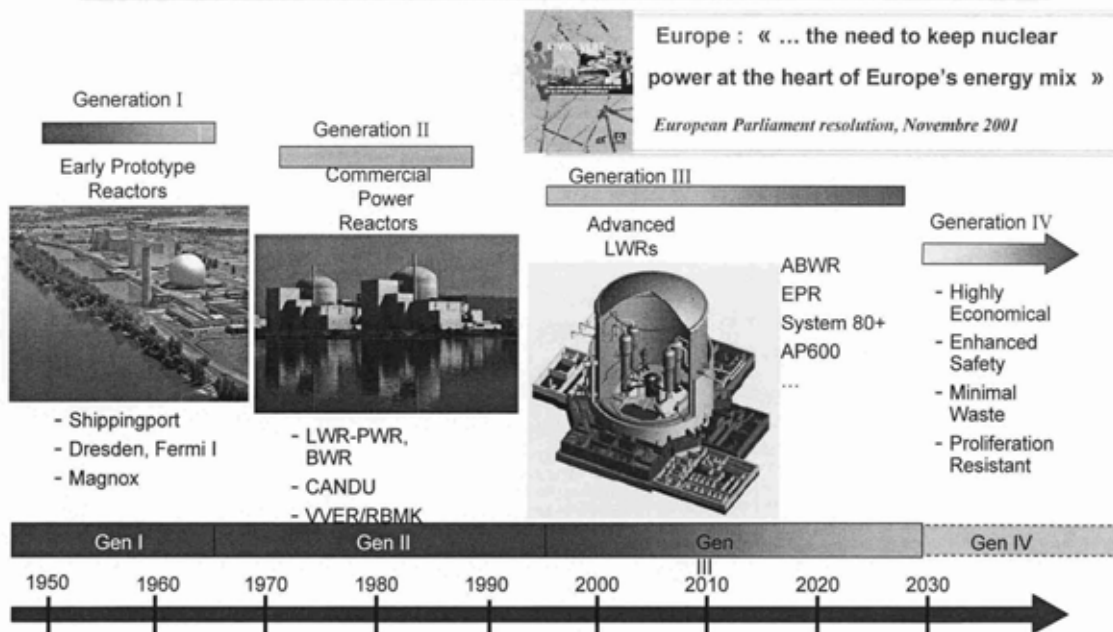
Main Corrosion Challenges solved in Nuclear Power Plants but still occurring



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The concept of « Generation IV »: Past and future of nuclear energy development



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Planned activities of the WP4 in the next future

- **Edition of books**
 - LWR corrosion issues
 - Electrochemistry at high temperature
 - Corrosion and preservation of artefact
- **Workshops**
 - during Eurocorrs
 - 2005: corrosion issues in future nuclear systems (EFC series)
 - 2006: corrosion issues in reprocessing plants (EFC series)
 - Specific events
 - 2006: "Corrosion and long term performance of concrete in nuclear power plants and waste facilities" EFC event N°284
- **Activities of the working groups (EEG-CILWR, ECG-COMON)**
- **Links with European and International bodies : Euratom, EOCB/NEA, UNO/IAEA**
- **Missing : transfer of knowledge (summer school,)**

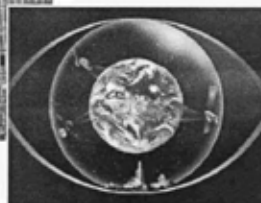
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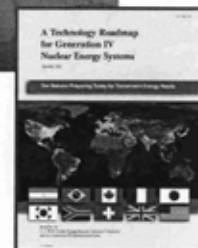
The Challenge of the Climate Threat



Reduce CO₂ emissions while
producing more energy
Nuclear Power is part of the answer



WP4 "Nuclear
Corrosion" has the
ambition to contribute
to the success of this
challenge



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