

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



BOARD OF ADMINISTRATORS

London, UK

April 26, 2002

MINUTES

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MINUTES

Meeting of the Board of Administrators

of the

European Federation of Corrosion

London, UK, April 26, 2002

Venue of meeting: **Institute of Materials
Bessemer Room
1, Carlton House Terrace
London SW1Y 5DB
U.K.**

Date and time of meeting: **April 26, 11:00 am**

Chairman: **M. Don Harrop (EFC President)**

Secretary: **Ms P. Bridou (Paris Office)**

EUROPEAN FEDERATION OF CORROSION

MEETING OF THE BOARD OF ADMINISTRATORS

London, 26 April 2002

ATTENDANCE LIST

Signatures

As President of EFC :

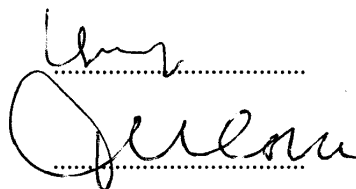
Mr. Don HARROP (United Kingdom),



Prof. Dr. P. L. BONORA (Italy)

Excused

Dr. Ph. BERGE (France),



Prof. J. M. COSTA (Spain)

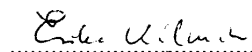
Prof. J. H. W. DE WIT (Netherlands)

Excused

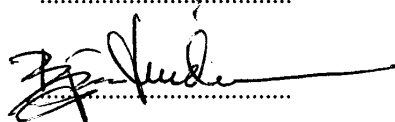
Prof. Dr. B. ISECKE (Germany)

.....

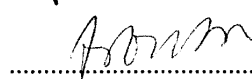
Prof. Dr. E. KÁLMÁN (Hungary)



Dr. B. LINDER (Sweden)



Dr. A. POURBAIX (Belgium)



Dr. A. V. MURADOV (Russia)



EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
 London, 26 April 2002

EX OFFICIO REPRESENTATIVES

Dr. C. BOOKER (United Kingdom), As Treasurer

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

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

C. Booker
J. Vogel
P. McIntyre

GENERAL SECRETARIAT

Frankfurt Office:

Mrs. B. JOST

Prof. Dr. G. KREYSA

Dr. W. MEIER

B. Jost
 Excused
W. Meier

London Office:

.....

.....

Paris Office:

P. BRIDOU

.....

P. Bridou

GUEST(S) :

.....

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EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
LONDON, 26th April 2002, 11.00 am
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 EFC WP Developments
 - 2-1 Reactivation of WP2 on "Corrosion and Protection of Steel Structures"
 - 2-2 New proposal for WP18 on "Tribocorrosion"
 - 2-3 WP Chairmanship changes
 - 2-4 STAC Membership rules
 - 2-5 Update on MENTOR-C
- Item 3 Liaisons with other organizations
 - 3-1 NACE
 - 3-2 FEMS
- Item 4 AIX 2002 status
- Item 5 EUROCORR Series
 - 5-1 Concepts for EUROCORR
 - 5-2 EUROCORR 2001
 - 5-3 EUROCORR 2003
 - 5-4 EUROCORR 2004
 - 5-5 EUROCORR 2005 bids
 - 5-6 EUROCORR 2006 and beyond
- Item 6 Finance
- Item 7 EFC Activities
 - 7-1 Scientific Secretary's Report
 - 7-2 EFC Newsletter
 - 7-3 EFC Publications
 - 7-4 EFC Web Site
- Item 8 EFC Calendar of Events
- Item 9 Administrative Matters
 - 9-1 EFC Registered Office
 - 9-2 Arrangements for meetings of the STAC, BoA and GA in Granada
 - 9-3 Arrangements for meetings of the EFC Working Parties in Granada
 - 9-4 Arrangements for presentation of this year's Cavallaro Medal
 - 9-5 Recognition of Professor Trabanelli's Contribution to the EFC
- Item 10 Any other Business
- Item 11 Date and Place of next BoA

UNCONFIRMED MINUTES OF THE EFC BOARD OF ADMINISTRATORS

Item 01 Opening of the meeting (President, Don Harrop)

Mr. Harrop, 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 members of BoA:

Prof. Dr. P. L. BONORA, Italy,
 Prof. J.H. de WIT, Netherlands,
 Prof. Dr. G. KREYSA, Germany.

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

1-1 The proposed agenda was approved.

1-2 The minutes of the Riva del Garda meeting (30 September 2001) were approved as a correct record.

Mr Vogelsang asked about the possibility of finding an alternative representative for Slovenia to attend meetings of the General Assembly. An action was placed upon him to seek someone suitable.

Action: J. Vogelsang

Item 2 EFC WP Developments

2-1 Reactivation of WP 2 on "Corrosion and Protection of Steel Structures"

The list of the Official delegates nominated by the different countries was received (see **Appendix 1**).

The first meeting of this WP was scheduled to take place in Gdansk within 2 months and the Scientific Secretary, Paul McIntyre had been invited to participate. The importance of ensuring that the activities would be clearly defined without duplication of work carried out in the other WPs was agreed.

Any decision to reactivate WP 2 would be subject to definition of the precise aims and terms of reference, which should emerge from the inaugural meeting. Prof. Darowicki would be invited to attend the BoA meeting in Granada in order to present the Terms of Reference and Objectives for WP2. The BoA could then recommend the reactivation of WP 2 for approval by the General Assembly.

Ms Bridou was asked to include an item on "The reactivation of WP 2" on the agenda for the meeting of the BoA in Granada.

Action: P. Bridou

2-2 *New proposal for WP 18 on "Tribocorrosion"*

A proposal for the creation of a new WP on "Tribo-Corrosion" had been submitted by CEFRA COR on the initiative of M. Pierre Ponthiaux - Ecole Centrale de Paris - Chatenay Malabry - France. Within three weeks of announcing this project, expressions of interest had been received from 32 industrial companies and organisations from 20 European countries.

Paul McIntyre undertook to write to M. Ponthiaux suggesting that the inaugural meeting of WP18 (Tribo-Corrosion) should be held prior the meeting of the BoA in Granada so that a recommendation regarding the adoption of WP18 could be made to the following meeting of the GA. He also agreed to approach the EFC Member Societies for the nomination of official delegates to WP18.

Action: P. McIntyre

2-3 *WP Chairmanship changes*

The Scientific Secretary reported information about chairmanship changes concerning five EFC Working Parties. The new chairmen are as follows:

WP 1	Corrosion and Scale Inhibition	Mr. Günter SCHMITT, Iserlohn Univ.
WP 5	Environment Sensitive Fracture	Mr. Jean-Marc OLIVE, Bordeaux Univ.
WP 10	Microbial Corrosion	Mr. Rolf GUBNER, Swedish Corr. Inst.
WP 13	Corrosion in Oil and Gas Production	Mr. Stein OLSEN, Statoil, Norway
WP 14	Coatings	Mr Lorenzo FEDRIZZI, Univ. of Rome

The EFC President, Mr Harrop, will write letters to express gratitude for their activities to the WP Chairmen who had retired recently, including G. Trabanelli (WP1), Th. Magnin (WP5), D. Thierry (WP10), P. Jackman (WP13), J. Vogelsang (WP14).

Action: D. Harrop

John Harston, Chairman WP 15 (Corrosion in the Refinery Industry), wishes to retire from the chairmanship. He should propose a successor, and if there is no proposal, the STAC should select a new chairman. Antoine Pourbaix suggested Nick Dowling as a possible successor. Mr McIntyre agreed to inform Dr Harston of this proposal.

Action: P. McIntyre

2-4 *STAC Membership rules*

As mentioned in the minutes of the last two BoA meetings in Frankfurt and Riva del Garda, in connection with the responsibility of the STAC to encourage, improve and control the work of the Working Parties, the importance of electing members capable of fulfilling this important role must be recognised. At present, with the President, the 9 elected members, the 16 WP chairmen, the STAC Chairman and the Scientific Secretary, the attendance at STAC is almost 30. Three options for changing the STAC membership rules were proposed:

1. STAC should have relatively few elected members (about 6) all with the strong mission to validate and guide the work of the Working Parties;
2. STAC should include all of the Working Party Chairmen as full members of STAC;
3. STAC should include all of the Working Party Chairmen as full members with voting rights plus 5 or 6 other persons who are knowledgeable corrosion specialists (but not WP Chairmen), also with full voting rights.

Following a ballot, the decision was made to propose solution 3 to the GA for implementation after the present STAC is re-elected in two years' time.

Paul McIntyre, Scientific Secretary, will propose a revision to the EFC Bye-Laws relating to STAC membership (clause 15.1) to include all WP Chairmen as full members of STAC (with voting rights) and to reduce the number of elected members from 9 to 6, with emphasis to be placed on people from industry.

Action: P. McIntyre

In addition, Jörg Vogelsang will remind all WP Chairmen of the need to review the organisational structure of their WPs at 3-yearly intervals and, at the same time, to re-confirm their chairmanship.

Action: J. Vogelsang

2-5 Update on MENTOR-C

Paul McIntyre reported on progress concerning the proposal submitted by Prof. W. Bogaerts for EU funding under the Leonardo Initiative. **Appendix 2** provides the minutes of the meeting which took place in Leuven, 27 - 28 March 2002.

It was agreed the Scientific Secretary will ask Dr. B. A. Rickinson, IoM Chief Executive, to sign the Mentor-C contract with K.U. Leuven on behalf of the BoA.

Action: P. McIntyre

EFC President and Scientific Secretary will examine the Mentor-C Model Contract between the Contractor (K. U. Leuven) and each Partner, and provide direction to BoA on what action, if any, is needed to discharge its responsibilities in connection with future EU Contracts to which EFC is a Partner.

Action: D. Harrop & P. McIntyre

Procedures to be adopted in dealing with future EFC/EU contracts will be included as an agenda item for discussion during the meeting of the BoA in Granada.

Action: P. Bridou

Item 3 Liaisons with other organisations

3-1 NACE (National Association of Corrosion Engineers)

The EFC President, Mr Harrop, and the Past President, Mr Berge, met with the NACE Past President, Dr. Iba F. Al-Adel, the new NACE President, Elaine Bowman, and the General Secretary, Jeff Littleton in Denver, on April 8.

The envisaged collaboration between EFC and NACE will include:

1- Reciprocity agreement:

- 25 % to 30 % discount on NACE products would be available for all EFC Members on presentation of the EFC Membership Card, including congress fees, which would be the same as for NACE Members. The Scientific secretary agreed to act as the point of contact for EFC Members wishing to receive discounts on NACE products.

Action: P. McIntyre

- Reciprocal complementary registration for Presidents for NACE events and EFC events.
- Reciprocal links would be implemented between the EFC and NACE Web sites and a reciprocal exchange of information on the EFC and NACE events calendars would also be implemented.
- Reciprocal exchange of stands, free of charge, in EFC and NACE Exhibitions.

The draft of the agreement would be written by NACE and proposed to the EFC for signature during the next ICC in Granada.

- 2- Agreement could also be envisaged concerning the participation of NACE members in the EUROCORR exhibitions. NACE could encourage its members to exhibit their products during forthcoming EUROCORRs. A meeting would be organised between NACE and EFC, during the Aix en Provence congresses in June, to define the commercial agreement on exhibitions. The first test of collaboration on exhibitions could be organised on the occasion of EUROCORR 2004 in Nice. The Scientific Secretary agreed to participate in the meeting with NACE in Aix-en-Provence.

Action: P. McIntyre

- 3- It should be noted that NACE realises 1/3 of its income from training courses on Corrosion for Industry. Consideration could also be given to possibilities for EFC / NACE collaboration in this area.

3-2 FEMS (Federation of European Materials Societies)

The MatNet project, which is administered by FEMS, had been approved by the EU to begin on 1st January 2001. So far EFC had received no funding to do the work.

Item 4 AIX 2002 Status

The Scientific Secretary announced the receipt of the first 40 % of the money from EC to support the Congress on Certification but he was still waiting to receive the final contract.

The Scientific Secretary agreed to send a copy of the EC contract relating to the colloquium in Aix-en-Provence (CORRCERT) to Michel Pierre, CEFRA COR, so that he can see how the EC funding should be allocated.

Action: P. McIntyre

However, it had been proposed that the EC funds would be used to provide assistance with registration fees for students and others of limited means from EU countries and associated states.

Item 5 EUROCORR Series

5-1 Concepts of EUROCORR

The President presented his preliminary thoughts about the future organisation of EUROCORR, making use of the overhead transparencies reproduced in **Appendix 3**. The event could either remain unchanged, providing the EFC with a small source of income, or there could be managed change, building on the EFC's existing strengths. However, the latter would require vision, an understanding of the market, a commitment to change and willingness to take a calculated risk. It was suggested that realistic targets might be to increase the number of delegates from the current average of about 400 to 1000 within 5

years and, at the same time, to grow the exhibition to at least 100 stands. For the achievement of such growth, continuity could be maintained between events by developing a common database of delegates and exhibitors, and web-based management of publicity and registrations. If successful, this could provide a higher return to the EFC (e.g. a minimum of €10,000 instead of the current one of €4,500). The President concluded by suggesting that the three secretariat countries, France, Germany and the UK, could become anchor point venues, with other locations being chosen every second or third year.

It was agreed that ample time for further discussion of the future of EUROCORR should be included on the agenda for the next meeting of the BoA in Granada.

Action: P. Bridou

5-2 EUROCORR 2001

Neither the AIM General Secretary, nor his representative, had been able to attend the meeting of BoA to report on the outcome of EUROCORR 2001 in Riva del Garda. However, Mr. P. L. Bonora had informed the Scientific Secretary about the outcome of EUROCORR 2001, communicated by the AIM Secretary, as follows:

“Dear Paul

I’m afraid I have to inform you that, due to unexpected duties, I will not be able to attend the BOA meeting. Please present my apologies to the President and to the Members of BOA. Just today I received from the AIM secretary Mr Madaschi a very short message concerning EUROCORR 2001 asking me to show it at the BOA.

I am sending you here after such data hoping they might be useful:

Delegates: n 74

Speakers: n 152

Student: n 6

Hosts: n 23

Total: 274 Participants

Paying participants: 226 (152+74).”

It was agreed that the Honorary Treasurer, Mr Booker, would invoice AIM in the sum of €4,500 to cover the EFC levy for EUROCORR 2001, in accordance with the Agreement signed by Professor Nicodemi.

Action: C. J. L. Booker

5-3 EUROCORR 2003

In order to facilitate the organisation of an exhibition, the Hungarian organisers of EUROCORR 2003 have to change the venue and the dates of the EFC Event.

EUROCORR 2003 will now be held from **28th September to 2nd October 2003**, in the Budapest Congress Centre.

The new draft of the First announcement - Call for Papers was presented by Erika Kálmán (**Appendix 4**). At the suggestion of Mr Muradov, Ms Kálmán agreed to provide details of the registration fees in the announcement.

Action: E. Kálmán

Ms Kálmán asked Mr. Costa to provide a room for a meeting of the International Scientific Committee for EUROCORR 2003 during the ICC in Granada.

Action: J. M. Costa

5-4 EUROCORR 2004

EUROCORR 2004 will be held in France and co-organised by both of the French EFC Member Societies, CEFACOR and SCI. The general theme will be “Prediction and Modelling of Corrosion”.

Philippe Berge, on behalf of Prof. Philippe Marcus, Chairman of EUROCORR 2004, who could not attend the BoA meeting due to the change of the date, announced the preliminary arrangements for this event.

Appendix 5 provides the main topics chosen for EUROCORR 2004 and information about the facilities offered by Nice.

5-4 EUROCORR 2005

Bids to host EUROCORR 2005 were received from Spain, Portugal and Germany before the deadline of 31st December 2001.

The three bidders were invited to present their proposals: Barcelona for Spain (Prof. J. M. Costa), Freiburg for Germany (Dr. W. Meier) and Lisbon for Portugal (Prof. M. G. S. Ferreira).

The ballot, which followed the presentations, gave the BoA preference to Lisbon as the winner.

EUROCORR 2005 will be held in the Congress Centre, Lisbon, on 9 - 13 October 2003.

5-5 EUROCORR 2006 and beyond

Members are reminded that bids to host EUROCORR 2006 should be submitted in writing to the Scientific Secretary **by 31st December 2002**.

Item 6 Finance

Mr Booker, the Honorary Treasurer, presented his report (**Appendix 6**), which included the draft statement of accounts for the year to 31 December 2001. This indicated an estimated deficit for the year of €2,268, taking into account bad and doubtful debts totalling €3,900.

The net effect would be to reduce the surplus to be carried forward from the budgeted sum of €18,236 to €15,968, based on the assumptions that the still outstanding EUROCORR levy of €4,500 would be paid by AIM for EUROCORR 2001 and that the Danish member society would be paying its subscription for 2001.

Mr Booker undertook to submit an invoice for €4,500 to AIM for the EUROCORR 2001 levy and a reminder to Force Instituttet about its contribution for 2001.

Action: C. J. L. Booker

Item 7 EFC Activities

Mr Pourbaix proposed that the title of this item should in future be amended to “EFC Activities and Projects”.

7-1 *Scientific Secretary's Report*

Mr McIntyre presented his report, which had been included as Appendix 3 of the Working Papers. He highlighted a number of points, including the success that had been achieved in obtaining support from the EU for both the Colloquium on Corrosion Certification in Aix-en-Provence, to be held during June 2002, and the progress being made with the 'Mentor-C' project to develop distance-learning materials for vocational training in corrosion.

7-2 *EFC Newsletter*

This will be published in time for distribution at the ICC in Granada. It was agreed that the calendar of EFC Events should be expanded to include significant non-EFC events.

7-3 *EFC Publications*

Details were announced of work in progress on three new publications in the EFC Series including:

- "Guidelines for the Compilation of Corrosion Cost Data and for the Calculation of the Life Cycle Cost of Corrosion" edited by P. S. Jackman (from WP13);
- "Prediction of Long-Term Corrosion Behaviour in Nuclear Waste Systems", edited by D. Féron (from WP4);
- "Modern Scanning Electrochemical Methods for Localised Corrosion", edited by R. Akid (from WP8).

In addition, new editions of EFC 16 and EFC 17 (from WP13) had been published recently.

7-4 *EFC Web Sites*

Mr Meier stated that at present the EFC website (www.EFCWEB.org) is only of limited value because it is updated infrequently. Mr Vogelsang suggested that WP contributions to the website should be a major topic of the STAC meeting in Granada and the Scientific Secretary agreed to give it prominence in the agenda.

Action: P. McIntyre

Mr Costa undertook to provide Mr Meier with corrections for the database on corrosion courses which is to be included on the website.

Action: J. M. Costa

Mr Meier agreed to make a presentation at the STAC meeting in Granada on how information can be presented in an attractive but uniform way on the website.

Action: W. Meier

Item 8 *EFC Calendar of Events*

The Scientific Secretary drew attention to Appendix 5 of the Working Papers for BoA, which provided details of 9 forthcoming events in the EFC Calendar. It was agreed that in future the Calendar would be expanded to include significant non-EFC events.

Action: P. McIntyre

Item 9 Administrative Matters

9-1 *EFC Registered Office*

Mr Pourbaix observed that the EFC is currently registered at the address of Branche Belge in Brussels. However, Branche Belge does not even maintain a mailbox with EFC inscribed on it. This had already caused trouble with correspondence from the EU and would continue to do so unless action is taken. He offered to allow the EFC to use the CEBELCOR address in Brussels as its registered address in future. The President expressed gratitude for this offer and agreed to draft a letter recording the decision of the BoA to change the registered office of the EFC from 3 rue Ravenstein to Ave. Paul Héger, grille no. 2, B-100 Brussels, for signature by himself, the Scientific Secretary and Mr. Pourbaix, then forwarding for registration in the "Moniteur Belge".

Action: D. Harrop

9-2 *Arrangements of the STAC, BoA and GA in Granada*

It was agreed that the meetings of the STAC and BoA would take place in Granada on Friday 27 September 2002 at 9.00 am and 3.00 pm, respectively, and that the meeting of the GA would take place at 9.30 am on Saturday 28 September.

9-3 *Arrangements for meetings of the EFC Working Parties in Granada*

An action was placed on the Scientific Secretary to inform Mr Costa about which EFC Working Parties plan to hold meetings in Granada and to inform him of the preferred dates, durations and sizes of the meetings.

Action: P. McIntyre

It was agreed that the next meeting of the Mentor-C project would also take place in Granada, on Thursday 26 September, and the Scientific Secretary undertook to inform Mr Bogaerts of this arrangement.

Action: P. McIntyre

9-4 *Arrangements for presentation of this year's Cavallaro Medal*

The President reported the decision of the Jury for the Cavallaro Medal to present this year's award to Dr Alan Turnbull of the National Physical Laboratory, UK. Dr McIntyre undertook to inform Dr Turnbull of this and to make arrangements for the presentation to take place during the opening ceremony of the colloquium on Certification in Aix-en-Provence.

Action: P. McIntyre

9-5 *Recognition of Professor Trabanelli's Contribution of the EFC*

The President proposed that Prof. G. Trabanelli should be elected as an Honorary Member of the EFC in recognition of his outstanding contribution as Chairman of EFC WP1 on Corrosion and Scale Inhibition, and for organising the Ferrara Conferences. There was unanimous support from the BoA and an action was placed on Ms. Bridou to inform Professor Trabanelli and to establish whether he or a nominated representative could attend the opening ceremony of EUROCORR 2003 in Budapest to receive the award.

Action: P. Bridou

Item 10 Any other Business

None

Item 11 Date and Place of next BoA

The next meeting of the BoA will take place in Granada, in conjunction with the ICC, on Friday 27 September 2002, beginning at 3.00 pm.

A P P E N D I C E S

Appendix 1**EFC Member Society Nominees to Participate in the Inaugural Meeting of the Reactivated
EFC WP 2 on Corrosion and Protection of Steel Structures****1) France**

Dr Philippe Berge
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E-mail: cefracor@club-internet.fr

2) Italy

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3) Turkey

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Hosdere Cad. 190/2

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Fax: +90 3124 405 684
E-mail: oktayakat@e-kolay.net.tr Cankaya/Ankara
(or canakat@ihlas.net.tr)

Turkey

4) Ukraine

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Unconfirmed Minutes of the MENTOR-C Formal Kick-Off Meeting
K. U. Leuven, 27-28 March 2002

Present: Walter Bogaerts, K. U. Leuven - Corrosion Engineering Group
 Robert Cottis, UMIST - Corrosion and Protection Centre
 Stuart Lyon, UMIST - Corrosion and Protection Centre
 Ali-Marie McAllister, UMIST - Corrosion and Protection Centre
 Paul McIntyre, EFC - London Office
 Marcel Piens, CoRI (28th March only)
 Gervásio Pimenta, ISQ Lisbon - Laboratory of Metallurgy and Materials
 Peter Poh - DECHEMA e.V. -
 Thuy Vu Thi, K. U. Leuven - Corrosion Engineering Group
 Johan Winkelmans, K. U. Leuven (28th March only)
 Jian Hua Zheng, K. U. Leuven - Corrosion Engineering Group

1. Welcome

Walter Bogaerts welcomed everyone to the meeting.

2. Apologies

Apologies were received from:

Chris Fowler, Bodycote, UK (and NACE - Europe)
 Felix Perdius, Exxon Mobil, Belgium
 Urbain Meers, Arbed, Belgium
 John Chase, Corpro, UK

3. Approval of Agenda

Bob Cottis requested that Intellectual Property Rights (IPR) should be included on the Agenda. Stuart Lyon agreed and expressed concern on behalf of Chris Fowler about IPR. It was agreed that this would be covered under Item 5 (Administrative Matters).

4. General Project Introduction and Project Overview

Walter Bogaerts presented a brief overview of the Mentor-C project, which had been proposed two years ago and was finally approved in 2001, with an official start date of 1 December 2001.

It is receiving support under the second phase of the Leonardo de Vinci Action Programme on Community Vocational Training. Mentor-C is an acronym for **M**aterials **e**ngineering **t**raining tools: **o**n-line tutoring, **i**nternational **r**ecognition & certification of **C**orrosion expertise. It is scheduled to run for 3 years until December 2004. K. U. Leuven is nominated as the Promoter and EFC as the Coordinator.

The goal of Mentor-C is to produce better systems for vocational training (i.e. for technicians rather than university students). These will be web- or CD Rom- based to facilitate their use in connection with distance learning courses.

The Mentor-C partners include:

- K. U. Leuven (academically oriented)
- UMIST (academically oriented)
- NACE-Europe (corrosion engineers)
- DECHEMA e.V. (chemical industries)
- ISQ (welding, inspection and NDT)
- CORI (Belgian coatings research institute)
- EFC (European corrosion societies)

These partners bring in several different languages, including German, French, Portuguese.

The Industrial Users' Group includes:

- Arbed
- Exxon-Mobil
- CorrPro

Programme Content

There are seven individual Workpackages (including coordination):

- WP 1 - Development of software shells
(months 1 - 15)
- WP 2 - Development of Basic Corrosion Training Modules, multi-level/multi-lingual
(months 3 - 24)
- WP 3 - Development of Specialist Modules, e.g. on coatings or welding - possibly leading to certification
(months 6 - 30)
- WP 4 - Conversion of material into appropriate electronic formats, translation into different languages, and production of master CDs/DVDs
(months 6 - 33)
- WP 5 - Testing of Basic and Special modules
(months 31 - 36)
- WP 6 - Dissemination
(months 24-36)
- WP 7 - Project Coordination
(months 1 - 36)

The aim is to develop materials (e.g. stand-alone CDs or web-based materials) that can be used as learning aids rather than courses (which would require extensive tutoring and management).

5. Administrative Matters

Contracts and Sub-Contracts

K. U. Leuven Research Developments, as the promoting organisation, holds the contract with the European Commission. It will issue sub-contracts to each of the partners (see Appendix 1 for the model sub-contract).

Action (i) K. U. Leuven to issue sub-contracts to each of the Partners during April.

The sub-contract makes only passing reference to IPR, indicating that both the Contractor and each partner have obligations jointly to define the allocation of intellectual property rights (see Article 3, clause 4 and Article 4, clause 5).

There is scope to invite additional partners to join later and, with the approval of the national agency, to re-distribute funds between budgets.

The project is not fully funded, but about 70 % of total costs will be paid.

For each partner a budget has been fixed depending on the approved tasks and rates of pay have been fixed according to the class of personnel. In some cases, e.g. ISQ and DECHEMA, maxima have had to be imposed on the reimbursement of salaries because their rates exceed EC-approved limits.

In effect, personnel costs will be subsidised to the extent of 60-70 % and all operational (out-of-pocket) costs will be reimbursed. However, there will be no reimbursement of overhead costs.

Personnel costs are calculated as:

Number of man-months x approved monthly rate

These costs will be reimbursed to the approved limits (60-70 % of the total) without justification and there will be no verification by the EC although the final deliverables must be produced.

Operational costs include:

Travel;
Information and Communication Technologies;
Costs associated with the production of materials;
Consumables;
Sub-contracting costs.

These costs will be reimbursed 100 % subject to normal justification procedures.

Guidance is available in an administrative and financial handbook in .pdf format. This will be sent to all partners by e-mail.

Action (ii) Thuy Vu Thi to arrange for all partners to receive a copy of the administrative and financial guidelines by e-mail.

Any queries can be dealt with either by the EC staff associated with the Leonardo da Vinci Programme or by the people at K. U. Leuven R &D, as follows:

Contracts Administrator: Bruno Lambrecht (who will prepare the contracts ASAP)
Tel: +32 16 32 64 97

Secretary: Miet Lenaers (who will do most of the contract management)
Tel: +32 16 32 65 08
Fax: +32 16 32 65 15

Administrative Contacts, Bank Details and Initial Payments

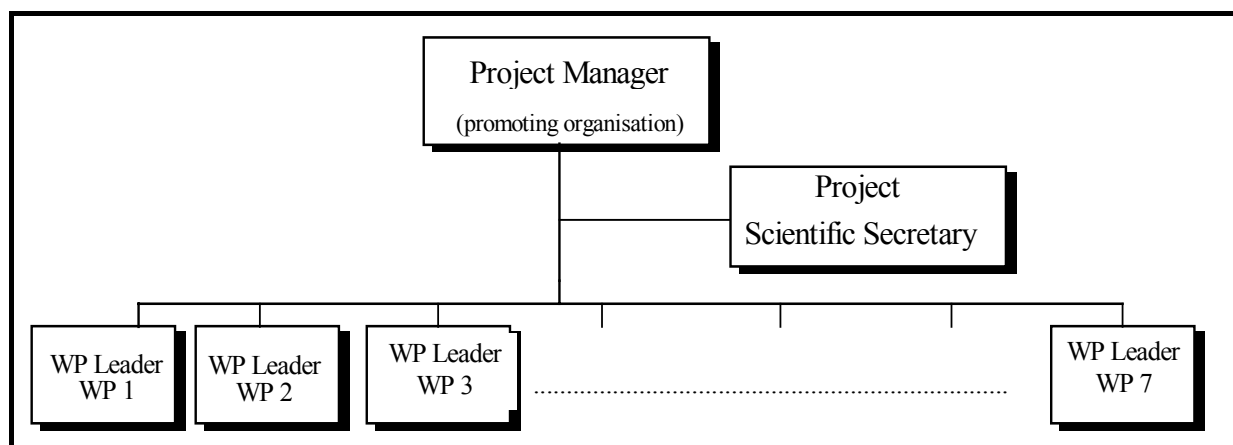
In connection with the sub-contracts, each partner must inform Thuy Vu Thi about the person who is responsible for signing their sub-contract, and provide details of their bank.

Action (iii) All partners must inform Thuy Vu Thi within two weeks about the person in their organisation who will have responsibility for signing their contracts and must provide details of the bank account to which their payments should be made by K. U. Leuven R&D.

An initial payment of 30-40 % of the overall budget will then be made. The remaining funds will be paid in two further tranches, the next after the mid-term review and the final one on completion of the project.

Project Organisation and Management Structure

The project will be managed by a Project Manager representing the promoting organisation who will provide the main interface with the Leonardo Agency in Belgium. Also, each Workpackage will need a Task Leader and there will have to be a Scientific Secretary, as illustrated below:



In addition, the project will be supervised by a Project Steering Committee, to which each partner must nominate one representative, and a chairman (who need not be the Project Manager) must be elected to organise the meetings.

Approval of Project Manager, Scientific Secretary and Steering Committee Chairman

Walter Bogaerts was appointed as the Project Manager (with assistance from Thuy Yu Thi), and Paul McIntyre will be the Scientific Secretary. For the initial phase of the project, Walter Bogaerts also undertook to act as Chairman of the Steering Committee on the understanding that someone from industry should take over subsequently.

Action (iv) Each partner to nominate a member to represent it at meetings of the Steering Committee.

It is intended that the Steering Committee will meet every six months. Stuart Lyon felt that this would be difficult because of the limited travel budget. Therefore, it was agreed that Steering Committee meetings will take place in conjunction with conferences and other gatherings, where possible.

Project Communication Channels

It was agreed that a project web site should be established to facilitate coordination and administration of the activity. This could be used to archive documents such as the original proposal, the financial handbook and the minutes of meetings.

Thuy Vu Thi undertook to set up the web site with a public part giving general information about the project and a private part for archived documents and communications between the Partners.

Action (v) Thuy Vu Thi to set up a Mentor-C web site within two weeks (Mentor-C.org. if possible).

Paul McIntyre undertook to prepare the minutes of the Kick-off Meeting.

Action (vi) Paul McIntyre to prepare the minutes within two weeks and to e-mail them to Thuy Vu Thi who will put them on the web site and inform everyone of their availability.

Intellectual Property Rights

Walter Bogaerts explained that participants who contribute existing information (so-called "background knowledge" for which they possess the copyright) will retain the copyright on that contribution - it remains 100% the property of the partner. When this material is combined with other materials from the other partners to form a new product it becomes "foreground knowledge" which is under joint ownership (and shared copyright with the other contributors of material). All participants in the project then have rights of use of the information (but not commercial rights). Any commercial exploitation of products generated in the project from background knowledge provided by the participants can only be by an exploitation agreement with a fair share of royalties between those who contributed their background knowledge.

For example, if K. U. Leuven and UMIST produce something jointly during the course of the project, they would have joint ownership of the product. ISQ would have no ownership of it but would have rights of use.

Bob Cottis expressed concerns about the copyright implications for materials being produced at UMIST for their own purposes that might go into a Mentor-C product without any change of form. However, Walter Bogaerts saw no problem, stressing that the UMIST course material would be brought in as background knowledge so UMIST would retain the copyright on it. If it were to be developed with another partner in the Mentor-C project, the copyright on the joint product would be

shared. The essence of joint EU projects is that all partners can use the products but not for commercial exploitation. Therefore, UMIST would not be free to sell something that had been developed by ISQ and brought into the project as background material. However, it could utilise it in regular study programmes (BSc, MSc, etc.). Any commercial exploitation could only be done under an exploitation agreement with a fair share of royalties between the relevant partners.

Stuart Lyon stated that guidelines are needed to explain that products from the project can be used freely by anyone within the partners' organisations (including registered students at universities) but cannot be sold commercially to third parties without royalties being paid to the owners of background material under a joint exploitation agreement. Walter Bogaerts agreed to draft an agreement for discussion at the first Project Management Meeting.

Action (vii) Walter Bogaerts to draft an agreement on IPR for discussion at the first Project Management Meeting.

6. Technical Matters

Walter Bogaerts stressed that the aim of Mentor-C is to develop products (not courses), such as a multi-media-oriented tool for use in supervised or unsupervised learning, a bit like a text book. No undertaking has been given to organise courses or to test the products properly. He outlined its six technical work packages (the seventh being Project Management and Coordination). Full details of the individual tasks and their timescales are provided in the Project Proposal. In reviewing each of the work packages, priority was given to those on which work had started already or would be started before the next meeting in approximately six months.

WP1: Development of Software Shells

K. U. Leuven will be the leader for this work package.

The starting point could be the software developed at K. U. Leuven in connection with the NACE Basic Corrosion Course.

The first task, a review of existing software at K. U. Leuven was due for completion by month 2 while the second task, software adaptation and development for a multi-level, multi-module, multi-lingual product runs from month 3 to month 15 by which time working software with sample input must be available for demonstration.

The main aim is to produce standalone systems (for individual users without access to an internet system) which are suitable for later use in a large internet-based teaching environment like WebCT.

Bob Cottis mentioned the legal requirement for software developers to take reasonable steps to ensure that their software is suitable for use by the disabled, e.g. by providing a text box with every image for the benefit of blind people. It was agreed that this requirement would be borne in mind.

Possible software includes Toolbook, version 6 of which was used by K. U. Leuven for the NACE Basic Corrosion Course.

The latest version of Toolbook (8.5) can deliver content to the internet using native HTML or a new PQM plug-in with text, images and animations. Utilities for "Toolbook" include connection to an ACCESS database where HTML documents can be stored (e.g. for multilingual versions). It offers facilities for doing tests and quizzes at different levels but is not WebCT-based.

Bob Cottis and Stuart Lyon expressed concern that Toolbook is a proprietary product, which could pose difficulties if the manufacturer went out of business. Also, UMIST will be providing content in HTML form, which would have to be converted to Toolbook. They would prefer the use of an open format such as XML, which is standards-based. However, Walter Bogaerts stated that there are insufficient resources available to the project to develop XML. However, he would not use Toolbook if it could not be exported to another environment such as XML or if material had to be rewritten for exportation to Toolbook. Trials would be needed to explore these uncertainties.

Johan Winkelmanns suggested that all course material should be stored in a database from which it could be exported to XML or other software tools.

It was agreed that more time would be needed to reach a final decision on the software. The following provisional specification was proposed:

- Capable of use in stand-alone and web-based systems;
- Quizzes should be importable into systems like WebCT;
- Data should be storable in a file system or database.

Action (viii) Ali-Marie McAllister to set up a WebCT discussion group to enable all interested parties to contribute to a general discussion of the software environment, on which a final decision must be reached by the end of May 2002.

WP2: Content Development - Basic Mentor-C Modules

K. U. Leuven will be the leader for work package 2.

Basic Modules will be developed from a common basis but to 2 or 3 different levels. The starting point will be printed textbooks and other existing material from UMIST and NACE. The emphasis will be on editing existing material rather than creating it from scratch. The material will come in as background material owned by particular partners and will be treated as such in IPR arrangements.

Walter Bogaerts proposed three different levels, as follows:

1. Technician level (very basic but introducing concepts of chemistry and electrochemistry (e.g. potentials);
2. Engineer level (providing an understanding of corrosion suitable for a non-specialist such as an inspector or safety officer);
3. Scientist level (providing knowledge appropriate for a corrosion specialist).

Beginning with the Level 2 course (for engineers) he suggested that this should address the following topics in the equivalent of a 10-12 hour teaching course:

- What is corrosion;
- Why do metals corrode (introducing the concepts of potential);
- E-pH diagrams (based on the Nernst equation);
- Different forms of corrosion;
- Different ways of corrosion protection (e.g. by design, coatings, cathodic protection, inhibitors, etc.).

The Level 1 course (for technicians) would cover similar ground but at an even simpler level.

Bob Cottis expressed concern about the 3rd level since it would correspond to MSc level, which would be inappropriate in a vocational tool like Mentor-C and might compromise the business interests of the UMIST MSc course. Walter Bogaerts agreed that the emphasis should be on levels 1 and 2 but felt that some students would want further enrichment. Jian Hua Zheng suggested that the level 2 course should include all of the chemistry, electrochemistry and plug-ins that an engineer needs to know. Stuart Lyon suggested that these could be taught by setting exercises that require the student to refer to the available resources, such as the UMIST ECorr software, the NACE Basic Corrosion Course, “Corrosion” by Shreier, and the EFC films. Bob Cottis stated that UMIST could produce exercises to lead the student through the available materials using a problem-oriented approach. UMIST has already defined what an undergraduate engineer needs to know about corrosion and could do the same for the technician level. By identifying what the learning outcomes have to be at both levels, it is possible to identify the problems that students must be able to solve by reference to the resources at his disposal in the learning materials. Walter Bogaerts stated that he had planned to use a straightforward textbook approach, but Stuart Lyon believed that providing a library of information would be insufficient and that the analytical approach recommended by Bob Cottis should be followed. This would ensure that everything would be learnt in context.

Action (ix): Bob Cottis to send Walter Bogaerts the learning outcomes for an engineer and, in two months, those for a technician.

Different problems would be needed for the two levels, technician and engineer. Walter Bogaerts agreed with two levels for the sample problem approach, but still wanted additional information to be available for corrosion scientists. It was agreed that the Shreier textbook on corrosion could be offered as an option.

Action (x): Walter Bogaerts to discuss with Elsevier the possibility of using Shreier’s book in this way.

It was agreed that Walter Bogaerts would meet with the UMIST representatives, in Manchester (or in Barcelona at the next meeting of the OCEAN project on 13-14 May) to review all materials available to the Mentor-C project, including the EFC films.

With regard to the languages in which the basic modules will be produced, Walter Bogaerts proposed English, German, French and Spanish. Key resources at the technician and engineer levels would have to be available in each of these languages, but Shreier’s book would not be translated. Gervásio Pimento said that there would also be interest in a Portuguese version.

WP3: Content Development - Specialist Mentor-C Modules

UMIST will be the leader for work package 3.

Specialist Modules (at least 3) will be developed for people familiar with corrosion basics to lead to specialist qualifications. Amongst possible candidates are:

- Coatings (CoRI)
- Water treatment (K. U. Leuven)
- Failure analysis (K. U. Leuven)
- Corrosion & Protection in Oil and Gas Production (UMIST)
- Welding related corrosion (ISQ)
- Materials selection and performance in hazardous chemicals (DECHEMA)

Another possibility would be Cathodic Protection. Paul McIntyre mentioned that the President and Past President of EFC (Don Harrop and Philippe Berge) would be meeting with representatives of NACE International in Denver on April 8 and undertook to ask Don Harrop to see whether NACE would be interested in the production of electronic learning aids as part of Mentor-C and, if so, whether it would give priority to Cathodic Protection or Coatings. As a Mentor-C partner, NACE would be subject to the same IPR arrangements as everyone else.

Action (xi) Paul McIntyre to ask Don Harrop to establish whether NACE, as a partner in Mentor-C, would prefer to contribute material on Cathodic Protection or Coatings to the Mentor-C Specialist Modules, subject to the same IPR arrangements as for the other partners.

Although final decisions on the Specialist Modules can be postponed for six months, it was agreed that ISQ will produce a module on welding and related corrosion. Marcel Piens stated that in the case of coatings, a two-level approach would be appropriate, one for applicators and inspectors and the other for engineers.

It was agreed that the EFC enquiry (referred to in Task 3.1) should include the outcome of EFC discussions with NACE International and information from the EFC Workshops on Certification and Cathodic Protection to be held in Aix-en-Provence during June 2002. In addition, DECHEMA has conducted a “market survey” about industry’s views on what topics should be included in corrosion information systems.

Action (xii): Walter Bogaerts to forward the results of the DECHEMA survey to Paul McIntyre and Bob Cottis.

WP4: Conversion, Translation, Production

K. U. Leuven will be the leader for work package 4, which covers the technical work involved in the conversion of printed and film materials and the mastering of DVDs or web material. It will involve some sub-contracting.

WP5: Testing (Use)

EFC will be the leader for work package 5, which will expose the products to actual use by others within the consortium, including the industrial participants.

WP6: Dissemination

EFC will be the leader for the work package, with assistance from DECHEMA.

WP6 will include the placement of project announcements in the EFC Newsletter, Materials Performance, British Corrosion Journal, the Journal of Polymers, Paints and Coatings, etc.

Actions were agreed, as follows:

Action (xiii) Gervásio Pimento to make a presentation at the ISE meeting in Düsseldorf in September 2002.

Action (xiv) Bob Cottis to make an announcement at the NACE conference in Denver during April 2002.

- Action (xv)** Paul McIntyre to make an announcement at the EFC Certification Colloquium in Aix-en-Provence in June 2002.
- Action (xvi)** Stuart Lyon and Paul McIntyre to produce a ½-page press release by early May and send it to journals and other members of the consortium.
- Action (xvii)** Walter Bogaerts and Ali-Marie McAllister to produce a 1-page leaflet by 1st July for distribution at the ICC in Granada, and on future occasions.
- Action (xviii)** All partners to think of ideas for a Mentor-C logo.

7. Software Demonstrations

Thuy Vu Thi demonstrated the NACE Basic Corrosion Course, which had been developed using the Toolbook software. This software would be suitable for the development of vocational teaching products, and can include tests with various types of question.

Bob Cottis demonstrated the ECorr product, which is also Toolbook-based but uses a problem-oriented approach to teaching.

Ali-Marie McAllister demonstrated WebCT, which is very expensive but has all the necessary management tools for the delivery of courses.

8. Any Other Business

EC 6th Framework Programme

Walter Bogaerts explained that the 6th Framework Programme has been set up with the microelectronics industry in mind. Committees of ten external experts from industry and academia and six EC personnel have been established to agree what the final work plans will be. He belongs to one on Systems Approach and Hazard Control, which falls within Priority Area 3, the most important area from the point of view of corrosion. This has a budget of €1,300 million. The projects must be industry led so corrosion projects will not stand alone but could be part of something bigger. Expressions of interest from universities could reap dividends.

Priority Area 3 encompasses the following aspects:

- 3.1 Nanotechnologies and nanosciences;
- 3.2 Knowledge based functional materials;
- 3.3 New production processes and devices.

Within 3.3 there are three research programmes, as follows:

- RP1 Development of new processes and flexible intelligent managing systems;
- RP2 Systems approach and hazards control (with which Walter Bogaerts is involved);
- RP3 Optimising the life cycle.

RP2 will contribute to the improved sustainability of industrial systems through enhanced efficiency and reduced consumption of primary resources. The research activity will concern new processes and systems for sustained production.

With few exceptions, only huge initiatives will receive support in Framework 6, either as Integrated Projects (IPs) or Networks of Excellence. However, 2 % of the budget will be allocated to Stairways of Excellence (traditional innovative projects at the frontiers of knowledge).

Each Integrated Project will be run by a large consortium with a dedicated Director and Review Board and will have a budget of tens of millions of Euros per year. The Work Plan for Framework 6 will contain only general statements and some suggested IPs for general guidance. Some examples are:

- Plant and Structure Health Management (this could involve corrosion)
- New Production Routes and Processes
- Tools for Computer-Aided Process Engineering
- Development of New Materials and New Uses (e.g. structural materials for containment to control hazards)

Expressions of interest can be submitted now via Cordis. The EC will then look for priority themes for the first Call for Proposals in December 2002 with a deadline of March 2003.

Networks of Excellence are intended to strengthen the science and technology base and promote lasting integration so only the key players with a good track record are wanted. General subjects include:

- Waste Reduction, Recycling, Re-use and Eco-Design
- Safety Management and Natural Hazards

K. U. Leuven might submit two expressions of interest, as follows:

- Materials Reliability: a European programme with various action lines such as High Temperature Applications and Corrosion Monitoring;
- Durable Equipment, Lifetime Prediction and Health Inspection (DELPHI): a Network of Excellence.

Date and Venue of Next Meeting

It was provisionally agreed that the first Project Management Meeting should take place in conjunction with the ICC in Granada on 26 September 2002.

Action (ixx) Paul McIntyre to discuss arrangements for PMM1 with Prof. J. M. Costa at the meeting of the EFC Board of Administrators in London on 26 April.

Paul McIntyre
21 April 2002

Appendix to the Mentor-C Minutes



Education and Culture

Leonardo da Vinci

Community vocational training action programme

Second phase : 2000 - 2006

Procedure B

PROJECTS (pilot projects, networks or language skills)

MODEL CONTRACT BETWEEN THE CONTRACTOR AND THE PARTNER¹

The Contractor and each Partner must sign a contract prior to the start of the partnership activities described in this contract for appendage to Agreement No (= Project No....).

This contract, drawn up under the Community Leonardo da Vinci programme (Council Decision 1999/382/EC of 26 April 1999, OJ L 146 of 11 June 1999) shall govern relations between:

with registered offices at:

represented by:

hereinafter known as "the Contractor"

and

with registered offices at:

represented by:

hereinafter known as "the Partner"

which have agreed as follows:

¹ The Contractor shall be entitled to add further clauses.

Article 1/ Subject

1. Having regard to the provisions of Council Directive 1999/382/EC of 26 April 1999 establishing the second phase of the Community vocational training action programme "Leonardo da Vinci", the Contractor and the Partner shall undertake to carry out the work programme covered by this contract.

This work programme shall be as set out in Agreement No concluded between the Contractor and National Agency.

2. The total cost of the project for the contract period under Agreement No, all financing combined, is estimated at EUR (including all taxes and duties).
3. The maximum Leonardo da Vinci contribution to cover expenditure incurred by the members of the Partnership participating in the programme shall be EUR.....
4. The final financial contribution shall depend on the evaluation of the results of Project No pursuant to the rules laid down at Community level, particularly in the Administrative and Financial Handbook, but shall, under no circumstances, give rise to a profit.
5. This contract shall regulate relations between the parties and their respective rights and obligations arising from their participation in Project No
6. The subject matter of this contract and the work programme relating thereto are specified in the annexes which form an integral part of this contract and which each party states that it has read and approved.

Article 2/ Duration

This contract shall enter into force on /..... /..... for a period of months and shall terminate on /[insert date 01.12.2000+ 12, 18, 24, 30 or 36 months]

1. The period for eligibility of costs shall begin on 01.12.2000 and end [insert date 01.12.2000+ 12, 18, 24, 30 or 36 months]

Article 3/ Obligations of the Contractor

The Contractor shall undertake:

1. to take all the steps necessary to prepare for, perform and correctly manage the work programme set out in this contract, in accordance with the objectives of the project as set out in the Agreement concluded between the National Agency and the Contractor;
2. to transmit to the Partner a copy of Agreement No and the annexes thereto concluded with the National Agency, the Administrative and Financial Handbook, the various reports and any other official document relating to the project;
3. to notify and supply to the Partner any amendments to Agreement No concluded with the National Agency;

4. to define in conjunction with the Partner the role and rights and obligations of the two parties, including those concerning the allocation of intellectual property rights;
5. to comply with all the provisions of Agreement No binding the Contractor to the National Agency.

Article 4/ Obligations of the Partner

The Partner shall undertake:

1. to take all the steps necessary to prepare for, perform and correctly manage the work programme set out in this contract, in accordance with the objectives of the project as set out in Agreement No concluded between the National Agency and the Contractor;
2. to comply with all the provisions of Agreement No binding the Contractor to the National Agency;
3. to communicate to the Contractor any information or document required by the latter that is necessary for the management of the project;
4. to accept responsibility for all information communicated to the Contractor, including details of costs claimed and, where appropriate, ineligible expenses;
5. to define in conjunction with the Contractor the role and rights and obligations of the two parties, including those concerning the allocation of intellectual property rights.

Article 5/ Financing - Description of tasks

1. The total expenditure to be committed by the Partner during the period covered by this contract is estimated at EUR (including all taxes and duties).
2. The Leonardo da Vinci contribution for the Partner shall be of a maximum amount of EUR .
3. The Partner shall undertake to perform the tasks as described in the annexes to this contract.

Article 6/ Co-financing

The financial contribution of the Partner to the project shall be EUR

Article 7/ Payments

1. The Contractor shall undertake to make payments in connection with the subject matter of this contract to the Partner as a function of the stage reached in the work and according to the following schedule:

1st payment:

2nd payment:

3rd payment

2. All payments shall be regarded as advances pending explicit approval by the National Agency of the final report, the corresponding cost statement and the quality of the results.
3. All revenue generated by the project and received by the Partner shall be declared in the financial statement and shall limit the Leonardo da Vinci financial contribution to the amount required to balance revenue and expenditure.

Article 8/ Bank account

(details of the bank account opened in the name of the Partner organisation into which the funds allocated to the Partner will be paid)

Article 9/ Reports

1. The Partner shall supply the Contractor with all the information and documentation required for the preparation of the interim report and, where appropriate, with copies of all the necessary supporting documents *completed and signed by the legal representative* by /..... /.....at the latest.
2. The Partner shall supply the Contractor with all the information and documentation required for the preparation of the final report and, where appropriate, with copies of all the necessary supporting documents *completed and signed by the legal representative* by /..... /.....at the latest.

Article 10/ Monitoring and supervision

1. The Partner shall without delay supply the Contractor with any information that the latter may request from him in connection with the conduct of the work programme covered by this agreement.
2. The Partner shall make available to the Contractor any document making it possible to check that this work programme is being or has been conducted.
3. In the event of financial and/or operational auditing by the National Agency, the European Commission, the Court of Auditors of the European Communities or any other duly authorised person, the Partner shall cooperate with the Contractor such that the latter has all the necessary information or, should the occasion arise, with any documentary or on-the-spot control.

Article 11/ Liability

1. Each contracting party shall release the other from any civil liability in respect of damages resulting from the performance of this agreement, suffered by itself or by its personnel, to the extent that these damages are not due to the serious or intentional negligence of the other party or its personnel. The Partner shall guarantee the National
2. Agency, the European Commission, the Contractor and their personnel against any action for damages suffered by third parties, including project personnel, as a result of the performance of this contract, to the extent that these damages are not due to the serious or intentional negligence of the National Agency, the European Commission, the Contractor or their personnel.

Article 12/ Termination of the contract

1. The Contractor may terminate the contract if the Partner has inadequately discharged or failed to discharge any of the contractual obligations, insofar as this is not due to *force majeure*, after notification of the Partner by registered letter has remained without effect for one month.
2. The Partner shall immediately notify the Contractor, supplying all relevant information, of any event likely to prejudice the performance of this contract.

Article 13/ Jurisdiction clause

1. Failing amicable settlement, the Courts of (*Contractor's registered office*) shall have sole competence to rule on any dispute between the contracting parties in respect of this contract.
2. The law applicable to this contract shall be the law of (*country of Contractor*).

Article 14/ Amendments or additions to the contract

Amendments to this contract shall be made by a supplementary agreement signed on behalf of each of the parties by the signatories to this contract.

Annexes

- a) detailed budget in respect of the activities of the Partner (costs associated with activities and sources of finance).
- b) description of the tasks of the Partner and breakdown of the Leonardo da Vinci appropriation.

Done at, in two copies.

For the Contractor,

For the Partner,

Legal representative
(Name and capacity)

Legal representative
(Name and capacity)

Stamp of the organisation

Stamp of the organisation

EFC EUROCORR CONFERENCE

Modus Operandi

- *Held yearly*
- *Open to all member societies to bid for*
 - Basic contract with EFC
- *All pan-Europe venues acceptable in principle*
- *Two year look-ahead calendar of venues*
- *All WPs offered technical sessions*
- *Usually have associated small exhibition*
- *Programme covers 4 days*
 - Parallel technical sessions
 - WP committee meetings
- *Emphasis on keeping fees low*
- *Managed on the ground by local committee*
- *Technical sessions organised by WP Chairmen*

EFC EUROCORR CONFERENCE

Outcome

- *Average attendance 400+*
 - High percentage from host country
 - High percentage are presenters
 - Core of regular attendees
 - Good feeling of community
- *Typically 200+ presented papers plus posters*
 - Potential source of topical EFC publications
- *Typically 20 - 50 exhibitors*
- *Headline conference theme(s) 'passive'*
- *Significant number of complimentary attendees*
- *Small source of income to EFC*
 - Euro 15 per attendee
 - Contract 'guarantees' minimum of Euro 4,500

EFC EUROCORR 2007 +

* What will it look like?

• *Same as today*

- Business as usual
- Only minor changes to present format and management
- Minimal source of income to EFC

But.....

- Attractive? - a continuing formula for success
 - *Still hold own against other conferences*
 - *NACE*

Or.....

• *Managed change*

- Need a vision
- Play to our strengths
- Understand the market
- Take a calculated risk
- Commit to change

EFC

*** What do we have to work with?**

- *Good technical infrastructure around the Working Parties*
- *A recognised product - Eurocorr - (good, bad or indifferent) that holds a place in the corrosion calendar*
- *Good technical publications*
- *Awards*
- *Core of dedicated workers*
- *Conference attendance base of 400*
- *Large 'home' population*
- *Links to Standards*
- *Growing, but patchy, industry linkage*
- *Three secretariats*

EFC EUROCORR - A Vision for the Future

* Programme

- *Headline themes which address the pressing issues of the moment*
 - Hooks to bring in the non-specialists and/or non-practitioners and greater numbers of 'passing trade'
 - Strong industrial flavour/content
- *Strong technical sessions behind headline themes*
 - Potentially cross WP content
 - Leading light 'scene setter' opening each session; but not plenary type paper - looking for insight, challenge, element of controversy
 - Limited number of papers per session
 - *Presenting leading edge and/or best practice*
 - *Kudos and competition in getting paper accepted*
 - *All submitted papers offered a poster*
 - Not run as parallel sessions - maximise attendance
- *Selective infill with conventional WP technical sessions*
 - Encourage combined WP sessions where appropriate

EFC EUROCORR - A Vision for the Future

*Attendance

- *Year-on-year ~ 1000 attendees*
 - Target: 5 years to get to 1000
 - Held every year or every other year?
- *Each WP encouraged to hold a committee meeting*
 - Inject some 'breaking' technical content/news
 - Opportunity for identifying upcoming headline themes and hot topics for next conference
 - Explore publication potential - draw on past and current conference papers as ready source of material e.g. niche topic paperback monographs
- *Exhibition with at least 100 exhibitors*
 - Establish and grow core number of exhibitors
 - Use headline theme(s) as added attraction for exhibitors
 - Need 5 year calendar of venues
 - Want regular return to bigger venues
 - Feel part of conference and its success - better integration and visibility within the conference programme

EFC EUROCORR - A Vision for the Future

* Management

- *Need for continuity between events*
 - Develop a recognised and distinctive 'house style'
 - Common database of attendees and exhibitors which are engaged early - loyalty base (held on EFC website)
- *Higher return to EFC*
 - Percentage of conference income (5 - 10%) with a minimum (Euro 10k)
- *A consistent policy on fees and free attendees*
 - Clearer steer from EFC eg. inflation + x% on previous year's fees
- *Web-based management*
 - All key info and data held on EFC website throughout
 - On-line registration
- *Early and regular publicity*
 - Free NACE stand manned every year
 - Standard and professional PR material

EFC EUROCORR - A Vision for the Future

* Venue

- *Built around 3 or 4 anchor point venues*
 - e.g. three secretariat locations (France, Germany, UK)
- *Every other or third year consider a different location*
 - Might be lower expectation of attendance at these locations
 - Slightly different programme format
- *5-year rolling calendar of venues*

Abstract Preparation Instructions

Authors are kindly requested to send their 1-page abstracts to the **Scientific Correspondence** (address see below) by **20 January 2003**. Electronic submission of abstracts is preferred. Please follow the instructions given on the conference web site.

Format of abstracts

Abstracts may include tables, figures and references. Please prepare your abstract in electronic form as a word processor file, e.g. MS Word. Margins should be 30 mm wide on each sides of A4 size paper (210x297 mm). The text should be single-spaced and justified using Times New Roman 12pt font. The title should be typed centered in bold letters 14pt, followed by authors(s) names(s) (centered, 12 pt), and affiliations (centered, italic, 12 pt). Please leave a blank line between title and authors, authors and affiliations, and two blank lines between affiliations and the body of text. Please indicate the preferred mode of presentation (oral or poster) and preferred allocation of your paper to a Scientific Session.

SCIENTIFIC CORRESPONDENCE

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REGISTRATION ENQUIRES

Diamond Congress Ltd.

H-1255 Budapest, P.O. Box 48, Hungary

Phone: (+36 1) 214 7701, 214 7698, 225 0210

Fax: (+36 1) 201 2680

E-mail: diamond@diamond-congress.hu

Homepage: <http://www.diamond-congress.hu>

International Scientific Committee

J. Vogelsang (Germany) – Co-Chairman

E. Kálmán (Hungary) – Co-Chairman

P. McIntyre (UK) – Scientific Secretary

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F. Blekkenhorst (The Netherlands)

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R. Gubner (Sweden)

J. H. W. de Wit (The Netherlands)

Local Organising Committee

E. Kálmán – Chairman

I. Felhósi – Conference Secretary

I. Bakos, E. Berecz, M. Bod, É. Dénes, F. Haskó, P. Hencsei, I. Karl, F. H. Kármán, Zs. Keresztes, L. Kiss, J. Kónya,

M. Lakatos-Varsányi, B. Lengyel, P. Linhardt, I. Lukovits,

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K. Varga, B. Verő, D. Zsámbók

Exhibition organisers

Coordinator: K. Nemes

J. Bognár, B. Böllöny, L. Csiszinszky, G. Demjén, F. Dömölky, L. Gál, M. Horváth, W. Meier, I. Pellérdi, Gy. Stráner,

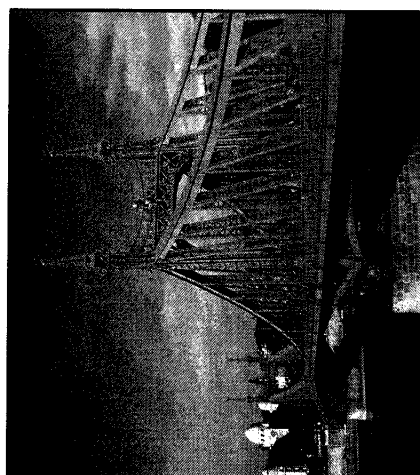
M. Tompa, L. J. Tóth, Gy. Vártes

First Announcement and Call for Papers

EUROCORR 2003

The European Corrosion Congress

European Federation of Corrosion
Event No. 261



September 28 – October 2, 2003
Budapest, Hungary



Call for Papers

EUROCORR 2003 will be organized on behalf of the European Federation of Corrosion (EFC) by the Hungarian Corrosion Society (HUNKOR), member society of EFC. EUROCORR congresses are held every year in different European Countries and are nowadays considered major events in corrosion in Europe. The EUROCORR 2003 conference will cover the major topics of corrosion and corrosion protection of current interest from a fundamental to practical point of view. The scientific program will consist of oral and poster presentations in sessions of the different working parties of the EFC and introduced by keynote lectures. Authors wishing to present a contribution are asked to submit a 1-page abstract according to the *Abstract Preparation Instructions* by **20 January 2003**.

All information about the conference will be available on the frequently updated conference web site: www.diamond-congress.hu/eurocorr

Scientific Sessions

Scientific and technical sessions will be organized by the EFC Working Parties (as both Single and Joint Sessions)

- Corrosion and Scale Inhibition
- Corrosion and Protection of Steel Structures
- Corrosion by Hot Gases and Combustion Products
- Nuclear Corrosion
- Environment Sensitive Fracture
- Surface Science and Mechanism of Corrosion and Protection
 - Corrosion Education and Computer Applications
 - Physicochemical Methods of Corrosion Testing
 - Marine Corrosion
 - Microbial Corrosion
 - Corrosion of Steel in Concrete
 - Corrosion in Oil and Gas Production
 - Coatings
 - Corrosion in the Refinery Industry
 - Cathodic Protection
 - Automotive Corrosion

Publications

Abstracts will be provided to participants at the commencement of Congress. The proceedings consisting of the full papers on CD-ROM will be available at the congress.

Authors will be informed about acceptance of their paper by the end of March 2003 along with details on how to prepare the full manuscript. The 10-page manuscripts are requested to be submitted by **30 June 2003**.

Language

The official language of the conference is English.

Deadlines

20 January 2003 Submission of abstracts
 31 March 2003 Acceptance notification for authors
 30 June 2003 Submission of full manuscript for the CD-ROM

Exhibition

Parallel to the Eurocorr 2003, the HUNGAROKORR – HUNGAROCOAT Joint Technical Exhibition will be organised featuring presentations and displays by manufacturers of instruments, materials, systems, publications and software of interest to attendees. Companies interested in exhibiting should contact the organizers for more information.

Social Program

Several social events will be provided for registered participants and accompanying persons, including a welcome reception, cultural evening, and conference dinner. A wide variety of sightseeing tours to different places will be available to non-technical registrants. Details of social events will be announced in the second circular and on the conference web site.

Registration

The second circular and the conference web site will include the complete registration form with details of registration fees, and both hotel and tour reservation information.

Location

Budapest, the capital of Hungary, is an economical, financial and cultural center with two million inhabitants. The city which is beautifully situated on both sides of the Danube river has a history dating back over 2000 years. There are ruins from the time of the Roman Empire as well as from the Middle Ages. Its main characteristics reflect the atmosphere of the end of the 19th century when the millennium of the Hungarian State was celebrated. It boasts a number of museums, theatres, concert halls, a lot of restaurants and other amenities. Several baths and thermal waters of various medicinal springs are also at the disposal of visitors. Budapest can easily be reached by air, train or car.

Venue

After more than 15 years in operation, the Budapest Congress Centre is the largest congress and convention facility in the country. It is located in the middle of a wonderful chestnut-tree park. The Budapest Congress Centre provides full and flexible services and it also has an easy access to downtown, to the airport and to the highways.



European Federation of Corrosion



EUROCORR'2004

**Nice, France
12-18 September 2004**

Main theme : Long term prediction and modelling
of the corrosion behaviour of metallic materials

EUROCORR'2004 chairman : Philippe Marcus

Organisers : CEFRACOR and SCI



International Scientific Committee

P. Marcus (F), Chairman

I. Frateur (F), Scientific Secretary

J. Vogelsang (G) (STAC Chairman)

P. McIntyre (UK) (EFC Scientific Secretary)

G. Béranger (F)

E. Kalman (H)

E. Berecz (H)

J. M. Olive (F)

Ph. Berge (F)

S. Olsen (N)

F. Blekkenhorst (NL)

Ph. Meunier (F)

W. Bogaerts (B)

J. Mietz (G)

I. M. Costa (S)

J. P. Millet (F)

J. Daret (F)

F. Moran (F)

B. Espelid (N)

P. Ponthiaux (F)

L. Fedrizzi (I)

M. Roche (F)

D. Féron (F)

G. Schmitt (G)

J. Galland (F)

M. Schütze (G)

R. Gubner (S)

M. Taché (F)

J. D. Harston (UK)

J. H. W. de Wit (NL)

Local Organising Committee

EUROCORR'2004 will be organised by CEFRACOR and SCI Organising committee:

M. Pierre (Chairman)

Ph. Berge

G. Pinard-Legry

I. Frateur

P. Bridou

H. Founas

Special emphasis will be placed on Long Term Prediction and Modelling of the Corrosion Behaviour of Metallic Materials

EUROCORR'2004 will cover the following topics:

- Corrosion Inhibition**
- Corrosion by Hot Gases and Combustion Products**
- Nuclear Corrosion**
- Environment Sensitive Fracture**
- Surface Science and Mechanisms of Corrosion and Protection**
- Corrosion Education and Computer Applications**
- Physico-Chemical Methods of Corrosion Testing**
- Marine Corrosion**
- Microbial Corrosion**
- Corrosion of Steel in Concrete**
- Corrosion in Oil and Gas Production**
- Coatings**
- Corrosion in the Refinery Industry**
- Cathodic Protection**
- Corrosion in the Automotive Industry**
- Tribocorrosion**

In addition to the sessions listed above, special Workshops will be organised, including (tentative titles):

- Enzymes and corrosion**
- Local probe techniques for corrosion research**
- Copper and aluminium alloys in marine environment**
- Recent developments in the corrosion protection of magnesium alloys**
- Heritage conservation/corrosion of archeological objects**
- Nuclear waste storage**

EUROCORR'2004

Nice (F), 12-18 September 2004

Venue: The International Conference Centre of Nice

Structure of the meeting: The EUROCORR'2004 conference will consist of a plenary lecture, keynote lectures, oral communications and posters.

Three parallel sessions are planned for the oral presentations. EUROCORR'2004 will also integrate a large exhibition.

Proceedings: The publication of a CD-ROM is planned

EUROCORR'2004

Nice (F), 12-18 September 2004

Important Dates:

September 2002	First Announcement
September 2003	Second Announcement and Call for Papers
16 January 2004	Deadline for Abstract Submission
12 March 2004	Notification of acceptance of oral/poster papers to authors
28 May 2004	Deadline for Submission of the Manuscripts for the Proceedings

Other Deadlines:

Registration at a reduced rate: 28 May 2004
Deadline for Hotel reservations: 15 June 2004

Scheduled meetings of the ISC:

Granada (during the ICC), September 2002
Budapest (during EUROCORR'2003), September 2003
Paris, March 2004

EUROPEAN FEDERATION OF CORROSION

BOARD OF ADMINISTRATORS

26 APRIL 2002

LONDON

HONORARY TREASURER'S REPORT

HONORARY TREASURER'S REPORT

1. SUMMARY

The draft statement of accounts for the year ended 31 December 2001 indicates that the real outcome over the year is very dependent on the final resolution of MS subscriptions still outstanding and the levy from Eurocorr 2001 not yet declared. This makes the income some 17% below budget, to some extent offset by some 7.8 % underspend on expenditure, supplemented by a small € 259 exchange gain.

There is concern over arrears with MS subscriptions and a breakdown in communication in some cases. Writing off bad debts results in a loss of value in the reserves represented by surpluses carried forward, while over-zealous application of the Bye-Laws might lead to premature loss of members.

The proposal for the 2003 budget is based on an assessment of trends which are becoming more difficult to quantify, but is designed to be a balanced budget, safeguarding the reserves as far as possible.

2. DRAFT STATEMENT OF ACCOUNTS FOR THE YEAR ENDING 31 DECEMBER 2001

Subscription Income (see Annex 1)

The current list of contributions due up to 31.12.01 from Member Societies is shown and updated to 24 April 2002 to include late payments. Invoices were issued in May, a reminder sent in November and a final reminder was sent in February 2002. Contributions are still outstanding from:

- (a) Branch Belge de la SCI: 1999, 2000 & 2001
- (b) CSFCE (Italy): 1999, 2000 & 2001
- (c) Force Institute (Denmark): 2001
- (d) Ukranian Association of Corrosionists
- (e) Azerbaijan Society for the Protection of Metals

CSFE (Italy) is in serious default for the second time and has already been recommended for suspension and their subscription arrears written off as a bad debt.

The concern about the difficulties in obtaining a response from Branche Belge, whose Bruxelles' address represents the registered address of the EFC under Belgian law, is reflected elsewhere in the Working Papers.

Advance notice has been received from the Yugoslavian MS that it is experiencing internal difficulties with currency exchange transactions.

Income and Expenditure Account (see Annex 2)

The I/E amount compares the budget figures for 2001 with the actual result alongside the figures for 2000.

Having had successful outcomes from the Eurocorr 1999 & 2000 Congresses, there is now concern about the lack of a detailed response from AIM for Eurocorr 2001 at Riva del Garda. In the circumstances provision has been made for € 4500.

As a result of a 17% shortfall on income being offset by a 7.8% underspend on expenditure, the deficit on the year at present stands at € 2268. The final figure will be critically dependent on the outcome from negotiations over Eurocorr 2001.

Balance Sheet (Annex 3)

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

There is a reduction of surpluses in the General Fund of € 2268.

Notes expanding on particular items of income and expenditure have also been produced in Annexes 4/1 and 4/2.

3. BUDGET FOR 2003 (Annex 5)

The budget for 2003 is a balanced one, proposed on the basis of adjustments made in the light of actual expenditure/income in 2001 and other forecasts taken into account in discussions with the Scientific Secretary.

4. REVIEW OF CONTRIBUTION RATES

Due to other commitments, no significant progress on a consultative review of the contribution rates has been made to report to the Board. It also appears that some MS from Eastern Europe already encounter difficulties in meeting their existing commitments without facing an increase as earlier proposed.

5. FUTURE DEVELOPMENTS

As part of the expanding horizons of EFC activities it is pleasing to note that three initiatives with the European Community's Framework V Programme are now on stream:

- (a) Leonardo da Vinci project "Mentor-C"
- (b) The "MatNet" project
- (c) The "CORRCERT" project

The combined income from EC Funding to support these EFC initiatives amounts to some € 68,470. Of this sum approximately 50 % covers the Scientific Secretary's involvement through the London Office. Some of these monies will be handled through the EFC account in London while, at the EC's insistence, it has been necessary to open a Bruxelles account at the FORTIS BANQUE under the general oversight of M. Antoine Pourbaix, M. Phillipe Berge and Mr. Don Harrop on behalf of the Board under strict EC accounting rules.

The finance office in London will be consulted to ensure a smooth incorporation within the overall EFC accounting process if indeed required.

C J L Booker
Honorary Treasurer

Annex 1

2001 CONTRIBUTIONS TO EFC FUNDING (as at 24 April 2002)

Ref.	SOCIETY	COUNTRY	Charge Euros	Received Euros
1	Eisenhutte Osterreich Montanuniversitat	Austria	1000	1000
2	Branche Belge de la SCI	Belgium	700	-
3	CEBELCOR	Belgium	1500	1500
4	Force Instituttet	Denmark	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	1000	-
12	AITIVA	Italy	1000	1000
13	Nederlands Corrosie Centrum NCC	The Netherlands	1500	1500
14	<i>Bond voor Materialenkennis BVM</i>	<i>expelled</i>	-	-
15	Norsk Korrosjonsteknisk Forening	Norway	1500	1500
16	INETI	Portugal	1000	1000
17	<i>Sociedade Portuguesa de Quimica</i>	<i>expelled</i>	-	-
18	Sociedad Espanola de Quimica Industrial	Spain	1000	1000
19	Swedish Corrosion Institute	Sweden	1500	1500
20	<i>Schweizerische Gesell. für Chimische Ind.</i>	<i>resigned</i>	-	-
21	<i>SGO</i>	<i>resigned</i>	-	-
22	Institute of Corrosion	UK	1500	1500
23	The Institute of Materials	UK	1500	1500
24	<i>Committee of Corrosion Protection, Bulgaria</i>	<i>expelled</i>	-	-
25	Croatian Society for Materials Protection	Croatia	150	150
26	Czech Association of Corrosion Engineers	Czech Republic	150	150
27	<i>Hungarian Chemical Society</i>	<i>resigned</i>	-	-
28	Hungarian Corrosion Society	Hungary	150	150
29	<i>Hungarian Scientific Society of Mech. Eng.</i>	<i>resigned</i>	-	-
30	Polskie Stowarzyszenie Korozyjne	Poland	150	150
31	<i>All Union Corrosion Association</i>	<i>dissolved</i>	-	-
32	Institute of Metals and Technologies	Slovenia	150	150
33	Ukranian Association of Corrosionists	Ukraine	150	-
34	Union of Eng. & Tech. for Prot. of Metals	Yugoslavia	150	150
35	Azerbaijan Society for the Prot. of Metals	Azerbaijan	150	-
36	Corrosion Committee of Romanian Academy	Romania	150	150
37	ANTIKOR	Russia	150	150
38	The Corrosion Association	Turkey	<u>150</u>	<u>150</u>
TOTAL			<u>26350</u>	<u>22850</u>

Annex 2

EUROPEAN FEDERATION OF CORROSION
FINANCIAL STATEMENT
Year ended 31 December 2001
INCOME AND EXPENDITURE GENERAL FUND

Income	Note	2001 budget			2001 results		2000 results	
		Euro	Euro	Euro	Euro	Euro	Euro	Euro
Subscriptions			26,350			25,350		25,965
Less: Bad and doubtful debts	(1)		0			3,900		233
Net subscriptions receivable			26,350			21,450		25,732
Eurocorr levy	(2)		4,500			4,500		13,535
Royalties			3,000			2,592		2,791
Individual membership			500			0		0
			34,350			28,542		42,058
Expenditure								
<i>Scientific Secretary</i>								
Fees			12,000			12,320		11,460
Travel, accommodation, subsistence, postage, stationery & other costs			2,000			4,508		3,821
IoM administration charge			8,000			8,194		7,795
	(3)		22,000			25,021		23,076
Honorary Officers expenses			3,000			2,472		960
Support for working parties	(4)		6,500			1,806		4,518
Medal			1,000			1,000		0
Bank charges			400			270		245
Contingency sum			800			500		682
Total expenditure			33,700			31,069		29,481
(Deficit)/surplus			650			(2,527)		12,577
Exchange gains			0			259		(902)
(Deficit)/surplus for the year			650			(2,268)		11,675
Surplus brought forward			18,236			18,236		6,561
Surplus carried forward			18,886			15,968		18,236

**EUROPEAN FEDERATION OF CORROSION
FINANCIAL STATEMENT
Year ended 31 December 2001**

EDUCATIONAL FUND

	Note	Euro	2001 Euro	2000 Euro
Grant received			0	0
Surplus brought forward			4,025	4,025
Surplus carried forward			<u>4,025</u>	<u>4,025</u>

BALANCE SHEET

		31/12/01 Euro	31/12/00 Euro
Current assets			
Current year subscriptions	(5)	1,650	6,400
Contribution due from Eurocorr		4,500	6,270
Other debtors		2,592	0
Amount held by IoM		11,251	11,091
		<u>19,993</u>	<u>23,761</u>
Current liabilities			
Creditors and accruals		0	1,500
Net assets		<u>19,993</u>	<u>22,261</u>
 General fund		 15,968	 18,236
Education fund		4,025	4,025
Total funds		<u>19,993</u>	<u>22,261</u>

Annex 4

EUROPEAN FEDERATION OF CORROSION

NOTES TO FINANCIAL STATEMENTS

1) Bad and doubtful debts	2001 results		2000 results	
	Euro		Euro	
<i>Subscriptions written off</i>				
CSFCE (Italy)	1,800		0	
Yugoslavia	100		0	
Working party subscriptions	0		233	
<i>Provision against doubtful debts</i>				
Belgium (SCI)	1,400		0	
Azerbaijan	300		0	
Ukraine	150		0	
Yugoslavia	150		0	
	<u>3,900</u>		<u>233</u>	
 2) Eurocorr				
Eurocorr 2001 - estimated contribution	4,500		0	
Eurocorr 2000	0		6,270	
Eurocorr 1999	0		7,265	
	<u>4,500</u>		<u>13,535</u>	
 3) Scientific Secretary				
	£		£	
Fees	7,518	12,320	7,351	11,460
Travel & incidental expenses	2,146	3,517	2,352	3,667
Postage	605	991	99	154
IoM administration charge	5,000	8,194	5,000	7,795
	<u>15,269</u>	<u>25,021</u>	<u>14,802</u>	<u>23,076</u>
 4) Support for working parties				
	£		£	
Scientific Secretary fees	732	1,200	770	1,200
Postage & courier costs	0	0	0	0
Other 2000 costs (paid)	0	606	0	1,250
Other 2000 costs (accrued)	0	0	0	1,500
Prior year costs	0	0	0	568
	<u>732</u>	<u>1,806</u>	<u>770</u>	<u>4,518</u>

NOTES TO FINANCIAL STATEMENTS
(Continued)

5) Subscriptions outstanding

CSFCE (Italy)		0	1,800
Belgium (SCI)	P	1,400	700
Denmark		1,500	1,500
AITIVA (Italy)		0	1,000
Portugal		0	1,000
Azerbaijan	P	300	150
Yugoslavia	P	150	250
Hungary		150	0
Ukraine	P	150	0
		3,650	6,400
Provision for irrecoverable subscriptions	P	(2,000)	0
		1,650	6,400
Exchange rate	1.639		

ANNEX 5

EUROPEAN FEDERATION OF CORROSION
PROPOSED BUDGET FOR 2003

EXPENDITURE

	<u>Actual</u>	<u>Budget</u>	
	2001	2002	2003
	Euros		Euros
Scientific Secretary:			
Fees	12320	12000	12000
Travel & postage etc	4508	3000	3900
Administration charge	8194	8000	8000
	<u>25021</u>		
 Honorary officers expenses	 2472	 2000	 2000
European Corrosion Medal	1000	0	1000
Support for Working Parties	1806	4550	4000
Bank charges	270	300	300
Contingency sum	500	800	950
	<u>31069</u>	<u>30650</u>	<u>32150</u>

INCOME

Subscriptions	25350	26650	24,650
Less: Bad and doubtful debts	3900		
	<u>21450</u>		
 Eurocorr Congress levy (provided for)	 4500	 1000*	 4500
Royalties	<u>2592</u>	<u>3000</u>	<u>3000</u>
	<u>28542</u>	<u>30650</u>	<u>32150</u>
 (Deficit)/Surplus	 (2527)	 0	 0
Exchange Gains	259	0	
	<u>(2268)</u>	<u>0</u>	<u>0</u>
(Deficit)/Surplus for the year	<u>(2268)</u>	<u>0</u>	<u>0</u>
Surplus brought forward	<u>18236</u>	<u>15958</u>	<u>15958</u>
Surplus carried forward	<u>15958</u>	<u>15958</u>	<u>15958</u>

* Aix-en-Provence Certification Colloquium