

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

**MINUTES OF THE WP4 FALL MEETING
HELD IN EDINBURGH INTERNATIONAL CONFERENCE CENTRE, THE EXCHANGE
EDINBURGH (UK)
WEDNESDAY, SEPTEMBER 10TH, 2008**



Diffusion:

Present and apologized participants

WP4 Members

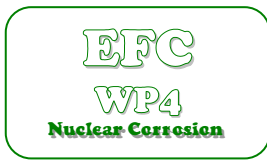
P. MacIntyre (EFC Scientific Secretary)

Ph. Berge (EFC General Secretary in France)

G. Kreysa (General Secretary in Germany)

EFC WP4 "NUCLEAR CORROSION"

Chairman	Damien Féron	CEA/Saclay	DEN/SAC/DPC/SCCME	Bât. 458 - PC 50	F-91191 GIF SUR YVETTE Cedex
Secretary	Mylène Belgome	CEA/Saclay	DEN/SAC/DPC/SCCME	Bât. 458 - PC 50	F-91191 GIF SUR YVETTE Cedex
Scientific Secretary	Thierry Couvant	EDF	DMMC - Les Renardières	BP46	F-77818 MORET SUR LOING Cedex



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Attendance:

Benedetto Bozzini	Lecce University (Italy)
Robert Cottis	University of Manchester (UK)
Neil Fairweather	Serco (UK)
Damien Féron	CEA/Saclay (France)
Outi Hyökyvirta	VTT (Finland)
Michael Jendras	Institut fuer Werkstoffkunde (Germany)
Valérie L'Hostis	CEA/Saclay (France)
Andraž Legat	Slovenian National Building and Civil Engineering Institute (Slovenia)
Christina Lilja	Swedish Nuclear Fuel and Waste Management Company (Sweden)
Frantz Martin	CEA/Saclay (France)
Cristiano Padovani	Nuclear Decommissioning Authority (UK)
Juha Piippo	Cormet Oy (Finland)
Christian Proff	Paul Scherrer Institute (Switzerland)
Stefan Ritter	Paul Scherrer Institute (Switzerland)
Petr Sajdl	Institute of Chemical Technology (Czech Republic)
Marc Vankeerberghen	SCK.CEN (Belgium)

Apologies for absence received from:

Mylène Belgome	CEA/Saclay (France)
Rik-Wouter Bosch	SCK.CEN (Belgium)
Thierry Couvant	EDF (France)
Franck Druyts	SCK.CEN (Belgium)
Catherine Guerre	CEA/Saclay (France)
Renate Kilian	AREVA-NP GmbH (Germany)
Bruno Kursten	SCK.CEN (Belgium)
Marc Le Calvar	IRSN (France)
Jan Macak	Institute of Chemical Technology (Czech Republic)
Anders Molander	Studsvik Nuclear AB (Sweden)
Bo Rosborg	KTH (Sweden)
François Vaillant	EDF (France)
Steven Van Dyck	SCK.CEN (Belgium)
Börje Wegemar	Westinghouse Electric Sweden AB (Sweden)
Peter Wood	Nuclear Decommissioning Authority (UK)

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Enclosures:

- ✓ Slides presented by D. Féron (Enclosure 1)
- ✓ Slides presented by M. Vankeerberghen (Enclosure 2)
- ✓ Slides presented by V. L'Hostis (Enclosure 3)
- ✓ Slides presented by M. Vankeerberghen (Enclosure 4)

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1. APPROVAL OF THE AGENDA

The agenda is approved.

2. APPROVAL OF THE MINUTES OF THE FREIBURG MEETING

D. Féron recall that the main subject of the spring meeting was to launch the organisation of a summer school.

The minutes are approved.

3. NEWS FROM THE WP4 GROUPS

- ✓ ECG-COMON (St. Ritter): successful meeting in June 2008. Next meeting in Cadiz, Spain (15-16 June 2009).
- ✓ EEG-CILWR
- ✓ EEG-CNWS: organisation of SacNuc

4. EFC - WP4 PUBLICATIONS

Future publications scheduled:

- ✓ Submission of the best papers of WP4 Eurocorr 2008 sessions in JNM (D. Féron)
- ✓ EFC green book gathering the papers of the ECG-COMON workshop (St. Ritter)
- ✓ EFC green book with the papers from the "computer modelling of corrosion" workshop (M. Vankeerberghen and B. Cottis).

5. WEBSITE

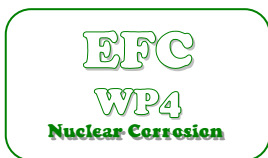
New presentation, updated by St. Ritter (available on www.efcweb.org).

6. WP4 FUTURE EVENTS

- ✓ **SACNUC (21st - 23rd October 2008, Brussels, Belgium)**
 -  Overheads (Enclosure 2) are presented by M. Vankeerberghen
 - Full papers will be published in an EFC green book issue.
 - Information available on www.sckcen.be/sacnuc.
- ✓ **NUCPERF 2009 (30th March - 02nd April 2009, Cadarache, France)**
 -  Overheads (Enclosure 3) are presented by V. L'Hostis
 - Proceedings planned to be published in the RILEM publishing edition.
 - Information available on www.nucperf2009.fr.
- ✓ **4th Prediction of Long Term Behaviour in Nuclear Waste Systems**
Scheduled for 2010 in Belgium, and organised by SCK-CEN
- ✓ **EDF proposal for a new workshop 'Modelling and multiphysical approaches'**
Could be planned for Spring 2010?


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7. SUMMER SCHOOL ON NUCLEAR CORROSION

 Overheads (Enclosure 4) are presented by M. Vankeerberghen

This section generated lots of discussions during the meeting.

- ✓ Initial Target: young scientists and engineers
- ✓ Initial planned Program: 3 days of general sessions, 2 days on more focused items
 - * 1.5 day of general corrosion courses (electrochemistry basics, electrochemistry of corrosion, Pourbaix diagrams, electrode kinetics, different forms of corrosion etc.)
 - * 1.5 day about corrosion in nuclear reactor systems (PWSCC, IASCC, modelling, ...)
 - * 0.5 day 'Social activity'
 - * 1 day about nuclear waste and disposal
 - * 0.5 day of lab visits
- ✓ Organised with other partners (must be validated by BNEN)
- ✓ Task Force: B. Kursten, B. Cottis, D. Féron, A. Legat, St. Ritter, D. Tice, P. Wood, M. Le Calvar
- ✓ Dates of the School

The first school will be launched in Belgium (Corsendonk) in the 2009-2010 school year. Originally scheduled to be during week 41 (4th - 9th October 2009), it was not that compatible with the students' calendar.

Moreover, the definitive program must be submitted to the BNEN in April or May 2009 for the 2009-2010 school year.

After reflexion, it might be planned for winter-spring 2010 (February or March).
- ✓ Fees and financial support for the 1st Winter-Spring School:

The location De Linde Hotel was approved.

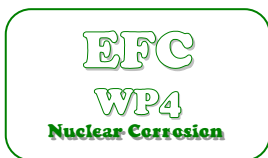
Accommodation + lectures: 1250 €/pers. for 5 days (all included).

This implies at least 20 paying participants (the fee could be lower if a higher number of students were registered).

May look for financial support (French INSTN, BNEN for instance).
- ✓ M. Vankeerberghen made the following statements:
 - * SCK.CEN cannot proceed unless we get a firm commitment of the members of the task force.
 - * SCK.CEN will release the hold on De Linde Hotel for week 41, 2009. A new fee will have to be negotiated since we will be in 2010.
 - * The financial approval from SCK.CEN to hold the workshop was based on the presented program. Hence, we will need to ask for financial approval again if the program changes substantially.
 - * We cannot proceed with ENEN/BNEN accreditation unless the program for the nuclear corrosion school is fixed.

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✓ Things to do:

- * The name is proposed to change to nuclear corrosion spring school (NuCoSS-1 remains) as the summer school will be moved to the spring of 2010. Comments and agreements are needed.
- * The presented program will be distributed to the members of the task force for comments and feedback.
- * Chose a date/deadline for a close meeting in order to take the final decisions.

8. EUROCORN'2008 AND EUROCORNs TO COME

- ✓ EUROCORN' 2008: successful edition, with 2 sessions co-organised by EFC/WP4 groups.
- ✓ In 2009 in Nice, the same collaboration will be maintained with an additional workshop "Corrosion Issues in future high temperature nuclear systems" in collaboration with the EFC/WP3 and NACE/TEG 224X.
- ✓ Next EUROCORNs will be held:
 - * 2009: Nice (6th - 10th September).
 - * 2010: Moscow (13th - 17th September).
 - * 2011: Stockholm (5th - 8th September).

9. EFC - WP4 SPECIFIC MATTERS

The application of the new directives for WPs will be the work for the year to come.

10. MISSING ITEMS

- ✓ Where and when will be held the next EFC/WP4 Spring Meeting?
Could be January or February 2009, and in Paris, France with the summer school as main subject (to be confirmed by e-mail).

11. CLOSURE - IMPORTANT DATES

- ✓ **SACNUC**, Brussels, Belgium: 21st - 23rd October 2008 (EFC event # 311)
- ✓ **NUCPERF**, Cadarache, France: 30th March - 2nd April 2009 (EFC event # 317)
- ✓ **ECG-COMON**, Cadiz, Spain: 15th - 16th June 2009
- ✓ **EUROCORN'2009**, Nice, France: 6th - 10th September 2009 (EFC event # 310)

D. Féron thanks very much all the participants for their active participation.

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Enclosure 1:

Slides presented by D. Féron

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Enclosure 2:

Slides presented by M. Vankeerberghen (SACNUC)

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Enclosure 3:

Slides presented by V. L'Hostis

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Enclosure 4:

Slides presented by M. Vankeerberghen (Nuclear Corrosion Summer School)

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