

ReCosy 1st Annual Workshop

9th to 12th February 2009. Barcelona

9 February

16:30-18:30

Excom meeting (restricted to ExCom members)

20:30-23:00

Sampling Tasting Buffet (*Voramara Restaurant, 1st floor*)

10 February

9:00-10:00

Welcome address Report by CT

10:00-11:30

WP2

(10:00-10:15)-Investigations with a view to developing an amperometric device for the determination of the redox potential

(*M. Perdicakis, CNRS*)

(10:15-10:30)-Probing the highly redox reactive mineral reservoirs in a clayey formation

(*I. Ignatiadis, BRGM*)

(10:30-10:45)-Quantification of the redox potential for the reduction of Np (V) in non-complexing aqueous solutions at pH 5-10

(*M. Altmaier, INE*)

(10:45-11:00)-Redox state determination in hyper alkaline solutions by speciation of selenium

(*B. Grambow, ARMINES*)

(11:00-11:15)-Influence of iodine species on electrochemical redox potential measurements in aqueous samples and on the determination of total iodine content by ICP-OES and ICP-MS

(*E. Marosits, TUG*)

(11:15-11:30)-Influence of Chloride Concentrations on the Signal of Redox Electrode and on UV-Spectroscopic Determination of Fe Species

(*B. Vester, GRS*)

10:00-11:30

WP3

(10:00-10:15)-Incorporation of ReDucing Capacity concept (RDC) in reactive transport models

(*D.Arcos, AMPHOS*)

(10:15-10:30)-The effect from micro-organisms on the redox state of laboratory and natural systems

(*K. Pedersen, MICANS*)

(10:30-10:45)-General characterization of the redox systems in the Swedish candidate sites for deep disposal of nuclear waste

(*M.J. Gimeno, UNIZAR*)

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11:30-12:00 COFFEE-BREAK

12:00-12:30

WP2

(12:00-12:15)-Development of multiparametric optical sensors for environmental applications

(D. Steinbrück, UPPC)

(12:15-12:30)-Studies on oxygen concentrations in uranium contaminated biofilms: Comparing electrochemical and fiber-optic sensors

(E. Krawczyck-Bärsch, FZD)

12:30-13:00

WP2

Final discussion

12:00-13:00

WP3

Program not yet available



14:00-15:30 LUNCH (Voramar Restaurant, 1st floor)

15:30-16:45

Organization of the Interlab Exercise

15:30-16:45

WP6

(15:30-15:40)-Welcome and introduction

(D. Wegen, JRC)

(15:40-15:55)-Corrosion of spent fuel in presence of corroding Fe

(D. Wegen, JRC)

(15:55-16:20)-Fuel corrosion studies on the film model systems

(D. Wegen, JRC)

(16:20-16:45)-Corrosion of spent fuel in presence of H₂ (P. Carbol, JRC)



16:45-17:15 COFFEE-BREAK

17:15-19:00

EUCG meeting

17:15-19:00

WP6

(17:15-17:40)-Combined effect of metallic inclusions and rare earth doping on the oxidative dissolution of UO₂. Preliminary results

(M. Trummer, KTH)

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EUCG meeting (continuation)

- | (17:40-18:05)-Reductive trapping of
- | Actinides in Container Corrosion
- | Products during Spent Fuel Corrosion
- | (*B. Kienzler, INE*)
- | (18:05-18:30)-The reductive
- | immobilization of ²³⁷Np on iron canister
- | material under repository conditions
- | (*D. Cui, STUDSVIK*)
- | (18:30-18:55)-The effect of iron corrosion
- | on conditions inside waste packages
- | (*A. Vokal, NRI*)
- | (18:55-19:00)-Additional issues



20:00-22:00

POSTER session with buffet



11 February

9:00-10:40

WP4

(9:00-9:20)-Workpackage overview (*J. Tits, PSI*)

(9:20-9:40)-PSI Activities (*PSI*)

(9:40-10:00)-University of Loughborough Activities (*N. Evans, ULOUGH*)

(10:00-10:20)-University of Manchester Activities (*N. Bryan, UMANCH*)

(10:20-10:40)-Overview Activities microbiology (*E. Krawczyk-Bärsch, FZD*)



10:40-11:10 COFFEE-BREAK

11:10-12:30

WP5

(11:10-11:20)-Workpackage overview (*M. Descostes, CEA*)

(11:20-11:40)-II-HAS Activities (*K. Lázar, II-HAS*)

(11:40-12:00)-University of Cyprus Activities (*UCYPRUS*)

(12:00-12:15)-University of Helsinki Activities (*J. Suksi, UH*)

(12:15-12:30)-Lomonosov Moscow State University Activities (*MSU*)

12:30-13:30

ADDITIONAL PRESENTATIONS

(12:30-13:00)-B-2 Cell concept (*S. Altmann, ANDRA*)

(13:00-13:30)-Euratom FP7 and DG Research activities in Fission: Latest developments

(*G. di Bartolo, European Commission*)

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14:00-15:30 LUNCH (*Voramara Restaurant, 1st floor*)

15:30-19:15

TOPICAL SESSION: Electrochemical techniques for Redox state determination

(15:30-16:30)-Critical evaluation of the Questionnaire on Redox measurement techniques

(*M. Altmaier, INE*)

(16:30-17:15)-Presentation on optical methods (*M. Kumke, UPPC*)



17:15-17:45 COFFEE-BREAK

(17:45-18:15)-Redox measurements in clay rock systems (*E. Gaucher, BRGM*)

(18:15-18:45)-Redox measurements in crystalline rocks (*M. J. Gimeno, UNIZAR*)

(18:45-19:15)-Electrochemical sensors: a critical look at hardware and physics

(*M. Caceci, LQC*)



21:00 RECOSY ANNUAL DINNER



12 February

8:30-11:00

Reports by WP leaders



11:00-11:30 COFFEE-BREAK

11:30-12:30

Reports by WP leaders (continuation)

12:30-13:00

General Assembly

INDIVIDUAL RETURN