



Dear RTDC-2 partners and associated groups,

attached you will find the draft agenda of the 2nd semi-annual RTDC-2 progress meeting to be held at FZK-INE (Karlsruhe) on the 2nd of August 2006 from 9:00 a.m. to approx. 5 p.m.

I want to use the meeting to summarize the reviewer recommendations concerning RTDC-2 and propose some possible actions as well as to provide information's on the outcome of the joint Integration Monitoring Group (IMG)/RTDC-6 meeting.

The draft agenda is structured according to the 18M deliverable list and will give each partner the chance to present the scientific outcome within the first 18 months of FUNMIG in a 15min oral presentation. According to the review comments all RTDC's should provide a mid-project report (due 24M) as first draft of a common understanding report giving the common views on a given question and the explicit description of discrepancies among participants.

For this purpose I would like to have included in the presentations from each partner one or two transparencies and a short written summary beforehand (deadline 21st July 2006) on:

- 1) Status of knowledge on the investigated process before the start of FUNMIG.
- 2) Current status (24M)
- 3) Expected outcome at the end of FUNMIG
- 4) Will this gained knowledge transfer the "ill-defined" process to a "well-defined" process; judgment of the importance/relevance of this process in the geosphere (far-field of a repository)?

I would kindly ask those partners who have already indicated that they will not attend the meeting to provide me with a presentation (powerpoint file) to give an brief overview of their work.

In addition, I could convince Laurent Grasset from the University Poitiers (Associated Group #19) to give a presentation on their expertise of solid organic matter extraction from the Callovo-Oxfordian argillite and Opalinus Clay. A couple of groups in RTDC-2 are involved in this particular business and no standard procedure is established so far. A discussion of the advantages/disadvantages of each approach is clearly necessary to avoid extraction method biased results in subsequent investigations.

I am looking forward to see you here in Karlsruhe and I hope you will enjoy the RTDC-2 meeting.



Tentative list of Participants:

CEA

Francis Claret, francis.claret@cea.fr, Laura Marang, LM208368@CARNAC.CEA.FR
Pascal Reiller, Pascal.REILLER@cea.fr ?

CTH

Mattias Olsson, mo@chalmers.se, Christian Ekberg, che@chem.chalmers.se

FZK-INE

Christian Marquardt, marquardt@ine.fzk.de, Petra Panak, petra.panak@ine.fzk.de ?
Jürgen Römer, juergen.roemer@ine.fzk.de, Thorsten Schäfer, schaefer@ine.fzk.de

FZR

Susanne Sachs, S.Sachs@fz-rossendorf.de
Thuro Arnold, T.Arnold@fz-rossendorf.de

KTH

Simona Regenspurg, simonar@ket.kth.se, Mats Jansson, matsja@kth.se ?

KU

No representative

KULEUVEN

Andre Maes, Andre.Maes@biw.kuleuven.be
Christophe Bruggeman, Christophe.Bruggeman@biw.kuleuven.be

NRI-REZ

Ales Laciok, lac@ujv.cz

NRIRR

Gyula Szabó, szabogy@hp.osski.hu

SAS-IIC

Vladimir Malkin, vladimir.malkin@savba.sk
Peter Hrobarik, peter.hrobarik@savba.sk

SCK-CEN

Sonja Salah, ssalah@sckcen.be

TUM-RCM

Andrei Priemyshev, andrei.priemyshev@radiochemie.de

UNICYPRUS

No representative

UNIUTRECH

Vasso Alexandratos, vasso@geo.uu.nl

UPPC

Michael Kumke, Kumke@chem.uni-potsdam.de,
Sascha Eidner, eidner@chem.uni-potsdam.de

AG:

Laurent Grasset (UMR-CNRS, #19), laurent.grasset@univ-poitiers.fr



Draft AGENDA for the 2nd FUNMIG RTDC-2 Progress Meeting:

8:15 *Shuttle transfer to FZK-INE*

9:00 - 9:05 *Welcome*

9:05 - 9:20 *EC Review (March 2006); recommendations RTDC-2*

Presentations WP 2.1

9:20 - 9:35 *“Interaction of actinides(III) with hydroxy-aluminosilicate colloids: influence of humic acid” Andrei Priemyshev (TUM-RCM)*

9:35 - 9:50 *“Colloid generation and stability in simulated reduced groundwaters” Susanne Sachs (FZR)*

Presentations WP 2.2

9:50 - 10:05 *“Plutonium-humic colloid interaction kinetics and redox state under reducing and natural far-field groundwater conditions” Christian Marquardt (FZK-INE)*

10:05 - 10:20 *“Distribution of metal binding sites in different humic substances and natural precursor substances and test results of methods for size distribution” Michael Kumke or Sascha Eidner (UPPC)*

10:20 - 10:35 *“U(VI) humic complexation data of room temperature investigations and mechanistic interpretation” UNICYPRUS represented by Thorsten Schäfer*

10:35 - 11:00 *COFFEE BREAK*

11:00 - 11:15 *“Computational and experimental progress for Ln(III)/An(III) humic acid complexes”, Peter Hrobarik (SAS-IIC)*

11:15 – 11:30 *“Metal ion surface bond humic interaction and data compilation” Gyula Szabó (NRIRR)*

11:30 – 11:45 *“Characterization and quantification of different forms of organic matter extracted from real site conditions”, Ales Laciok (NRI-REZ)*

11:45 - 12:45 *LUNCH*

12:45 – 13:15h *“Extraction and characterization of solid organic matter derived from the Callovo-Oxfordian argillite and Opalinus Clay” Laurant Grasset (AG UMR-CNRS)*

13:15 – 13:30h *“Interaction of radionuclides with mobile and immobile natural organic matter (NOM)” Sonja Salah (SCK-CEN)*



13:30 – 14:00 “*Sorption data on the retention of organics on mineral surfaces*” Francis Claret (CEA)
&
“*NICA-DONNAN model parameters for trivalent lanthanides, and U(VI): First results*” Laura Marang (CEA)

Presentation WP 2.3

14:00 - 14:15 “*U(VI/IV) adsorption mechanism on biotite surfaces and clarification of the influence of redox reactions on the U(VI) adsorption*” Thuro Arnold (FZR)

14:15 - 14:30 “*Reaction mechanism of Np(V) and Pu(VI) with Fe(II) containing mineral phases*” Jürgen Römer (FZK-INE)

14:30 - 14:45 “*Description of interaction mechanisms of U and Se with the mineral phases pyrite/siderite in near-natural clay porewater.*” Christophe Bruggeman or Andre Maes (KULEUVEN)

14:45 - 15:00 “*Quantification of U(VI) sorption kinetics and reversibility on reducing and non-reducing mineral surfaces at near URL conditions*” Simona Regenspurg (KTH)

15:00 - 15:15 “*Structural characterization of green rust as a function of formation environment (synthetic and natural groundwater conditions)*” KU represented by Thorsten Schäfer

15:15 - 15:45 *COFFEE BREAK*

Presentation WP 2.4

15:45 - 16:00 “*Biofilm production and sorption kinetics of radionuclides on in-situ grown biofilms*” representative from CTH

16:00 - 16:15 “*Coupling between radionuclide mobility and heterotrophic microbial driven ferric iron mineral transformation*” Vasso Alexandratos (UNIUTRECH)

16:15 - 16:30 **Integration Monitoring Group/RTDC-6 meeting (June 2006) outcome**

16:30 - 16:50 Status of integration (e.g. other RTDC’s, ACTINET activities, etc.), & collaboration with AGs, contributions 2nd Annual Meeting Stockholm

16:50h - 17:00 Wrap up of outcome of the meeting;

17:00 *End of meeting, back transfer to downtown Karlsruhe*