



AGENDA for the 4th FUNMIG RTDC-2 Progress Meeting:

29. April 2008:

- 8:30 - 8:35 *Welcome*
- 8:35 - 9:00 Overview EC Review, Task abstraction forms (TAF)

Presentations WP 2.1 (20 min lecture + 10 min discussion)

Short introduction (Thorsten Schäfer)

- 9:00 – 9:30 *“Interaction of actinides(III) with aluminosilicate colloids”*
(FZK-INE/TUM-RCM) speaker: Petra Panak
- 9:30 – 10:00 *“Report on the characterization inorganic colloid stability and actinide interactions under conditions simulating granite environments”*
(FZK-INE) speaker: Thorsten Schäfer

Presentations WP 2.2 (20 min lecture + 10 min discussion)

Short introduction (Thorsten Schäfer)

- 10:00 - 10:30 *“Distribution of metal binding sites in different humic substances and status of CEA/UPPC cooperation”* (UPPC) speaker: Sascha Eidner or Michael Kumke
- 10:30 – 11:00 *COFFEE BREAK*
- 11:00 - 11:30 *“Report on $UO_2(OH)_2$ and UO_2CO_3 solid phase characterizations by ATR-FTIR, XRD, TGA and TEM”* (UNICYPRUS) speaker: Ioannis Pashalidis
- 11:30 – 12:00 *“Report on natural radioelements U(VI) sorption and complexation properties of immobile OM extracted from real site conditions”* (NRI-REZ) speaker: Radek Cervinka
- 12:00 – 12:30 *“Report on the interaction of radionuclides with mobile and immobile natural organic matter (NOM)”* (SCK·CEN) speaker: Sonia Salah
- 12:30 – 14:00 *LUNCH*
- 14:00 - 14:30 *“Effect of ionic strength (1-5 M) and pHs (4-9) on Pu(IV) complexation with HA and Am(III), U(IV) complexation with HA at high pH”* (NRIRR) speaker: Gyula Szabó



14:30 - 15:00 *“Plutonium-humic colloid interaction kinetics and redox state under reducing and natural far-field groundwater conditions” (FZK-INE)*
speaker: Gunnar Buckau

Presentation WP 2.3 (20 min lecture + 10 min discussion)

Short introduction (Thorsten Schäfer)

15:00 - 15:30 *“Quantification of U(VI) sorption kinetics and reversibility on reducing and non-reducing mineral surfaces at near URL conditions” (KTH)*
speaker: Simona Regenspurg or Maria Malmström

15:30 – 16:00 *COFFEE BREAK*

16:00 - 16:30 *“U(VI/IV) adsorption mechanism on biotite surfaces and clarification of the influence of redox reactions on the U(VI) adsorption.” (FZD)*
speaker: Thuro Arnold

16:30 - 17:00 *“Interaction mechanism between pyrite/ siderite and Se oxyanions to define the impact of reducing minerals on Se retention and structural data for Se(IV/VI) humic substance reaction products to define the type of interaction” (KULEUVEN)* speaker: André Maes or Eric Breynaert

17:00 – 18:00 Discussion FUNMIG closing workshop in Karlsruhe, Special Issue in *Appl. Geochem.*

18:00 – open end Joint social program organized by Ioannis

30. April 2008:

Presentation WP 2.4 (20 min lecture + 10 min discussion)

Short introduction (Thorsten Schäfer)

8:30 - 9:00 *“Coupling between radionuclide mobility and heterotrophic microbial driven ferric iron mineral transformation” (UNIUTRECH)*
speaker: Thilo Behrends

9:30 - 10:00 *“Biofilm production and sorption kinetics of radionuclides on in-situ grown biofilms” (CTH)* speaker: Andreas Knuttson or Christian Ekberg



- 10:30 – 11:00 “*Determination of structural components, e. g. exopolymeric substances (EPS) within biofilms and their effect on immobilization of actinides (U)*”
(FZD) speaker: Evelyn-Kraswczyk-Bärsch
- 11:00 - 11:30 *COFFEE BREAK*
- 11:30 – 13:00 *Discussion on final reporting (EUR report)*
- 13:00h *LUNCH (END OF MEETING)*

Preliminary list of participants:

- UPPC:* *Sascha Eidner*
 Michael Kumke
- NRI-REZ:* *Radek Cervinka*
- NRIRR:* *Gyula Szabó (?)*
- FZD:* *Evelyn-Kraswczyk-Bärsch*
 Thuro Arnold
- CTH:* *Andreas Knuttson*
 Christian Ekberg
- KTH:* *Maria Malmström (?)*
 Simona Regenspurg (now Univ. Lausanne, EPFL)
- SCK-CEN:* *Sonia Salah*
- FZK-INE:* *Petra Panak*
 Gunnar Buckau
 Thorsten Schäfer
- UNICYPRUS:* *Ioannis Pashalidis*
- UNIUTRECH:* *Thilo Behrends*
 Vassos Alexandratos (?)
- KULEUVEN:* *André Maes*
 Eric Breynaert

No representative: KU, CEA, SAS-IIC, TUM-RCM