

Interdisciplinary research symposium

On the safety of nuclear disposal practices

2021

Technical and Social Approaches to Managing the Hazardous Legacy of Nuclear Power Generation

Time	Wednesday, November 10		<i>Preliminary Detailed Program</i>
09:00 - 09:10	Welcome	C. Hamann (Head Press and Public Relations, BASE)	
09:10 – 09:20	Introduction to symposium safe ND	J. Ahlswede (Head Division General Research, BASE)	
09:20 - 10:00	Interdisciplinary perspectives in research for nuclear safety	B. Reichert (Head of Working Group Hydrogeology, University of Bonn), K. Kalmbach (Head of Strategy and Content, Futurium Berlin) & TBC Moderation: C. Hamann	
10:00 - 10:20	Coffee break		
	SESSION 2A Site selection - methods and overviews Part I Chairs: W. Hund (BGE) & T. Vietor (NAGRA)	WORKSHOP WS III Public opinion in the site selection process: survey methodologies Organizers: Z. Felder (BASE) & A. Breyer (BASE)	SESSION 4B From decades of international RD&D to a sustainably knowledge and information management Part I Chairs: C. Bunzmann (BASE) & S.-J. Mayer (IAEA)
10:20 - 10:40	Site selection for the best clay-hosted repository in Switzerland (T. Vietor, NAGRA)	<ul style="list-style-type: none"> Introduction (Z. Felder, BASE & A. Breyer, BASE) Impuls lecture about methodic and results of the project EWident (S. Götte, aproxima) Impuls lecture about methodic and results to gather trust within the project TRANSENS (R. Seidl, University Hannover) Discussion 	Knowledge Management in EURAD: The Roadmap (P. Zuidema, Zuidema Consult)
10:40 - 11:00	Can a repository site be safer than safe? – Criteria and methods for a safety- oriented comparison of repository sites (M. Navarro, BASE)		IAEA capturing State of Knowledge and developing high level guidance in Radioactive Waste Management (S.-J. Mayer, IAEA)
11:00 - 11:20	Section 14 StandAG – identification of siting regions and associated challenges (L. Seidel, BGE)		Comparing two concepts of the OECD-NEA RK&M Initiative (2011–2019): The Set of Essential Records (SER) and the Key Information File (KIF) (S. Hotzel, BASE)

Topics

1 Decommissioning of nuclear facilities & Storage of radioactive waste

2 Disposing of High-level as well as low- and intermediate-level radioactive waste & Selecting a repository site

3 Participation processes for projects involving nuclear safety and disposal & Communications and sociotechnical aspects related to nuclear disposal

4 Interdisciplinary and cross-cutting aspects related to nuclear disposal

Time **Wednesday, November 10** *Preliminary Detailed Program*

Time	SESSION 2A Site selection - methods and overviews Part II Chairs: W. Hund (BGE) & T. Vietor (NAGRA)	SESSION 3C Herausforderungen und Lösungen bei der Transdisziplinarität in der Endlagerforschung Chairs: K.-J. Röhlig (TU Clausthal) & J.-A. Othmer (TU Clausthal)	SESSION 4B From decades of international RD&D to a sustainably knowledge and information management Part II Chairs: C. Bunzmann (BASE) & S.-J. Mayer (IAEA)
11:20 - 11:40	Coffee break		
11:40 - 12:00	Claystone formations in Germany: what we (don't) know about them and how we can change this (B. Schuck, BGR)	Applied transdisciplinary basic research about nuclear waste management: Hollow phrase or sensible concept? (K.-J. Röhlig, TU Clausthal)	Knowledge Management in the Federal Company for Radioactive Waste Disposal (G. Hoefler, BGE)
12:00 - 12:20	Methods for safety-related weighting and comparative assessment in the site selection process (MABeSt) (G. Frieling, BASE)	Improving Participation for the German Search for a Nuclear Waste Repository Site: a WebGIS as a Transdisciplinary Approach to Support Dialogue? (P. Bräuer, University Kiel)	Including civil society in R&D projects on Radioactive Waste Management: Interactions with Civil Society (ICS) in EURAD (J. Dewoghelaere, Mutatis)
12:20 - 12:40	Preliminary safety assessments in the high-level radioactive waste site selection procedure in Germany (W. Rühaak, BGE)	A citizens' workgroup helps researchers reflecting their work (R. Seidl, University Hannover)	State-of-Knowledge & Guidance in EURAD Knowledge Management (A. Göbel, BGE)
12:40 - 13:00	Geoscientific Characterisation and Interpretation (Geosynthesis) within the Preliminary Safety Assessment in the German Site-Selection Procedure for a High-Level Nuclear Waste Repository (S. Reiche, BGE)	Transdisciplinary research on Repository Safety: Challenges and Opportunities (K.-J. Röhlig, TU Clausthal)	EURAD School of Radioactive Waste Management (N. Belmans, SCK-CEN)

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Time **Wednesday, November 10** *Preliminary Detailed Program*

13:00 - 14:00 Lunch

	SESSION 4C	SESSION 2D	WORKSHOP WS V
	<p>Alternative waste management options: an overview and state of the art Chairs: J. Ahlswede (BASE) & P. Zuidema (Zuidema Consult)</p>	<p>Deep geological disposal – understanding processes in the multi-barrier system Part I Chairs: J. Birkholzer (LBNL) & B. Reichert (University Bonn)</p>	<p>Interdisciplinary workshop on safety and uncertainties – engineering approaches embedded in the social context Part I Organizers: A. Eckhardt (risicare), T. Hassel (University Hannover), V. Mintzlaff (TU Brunswick), K.-J. Röhlig (TU Clausthal), J. Stahlmann (TU Brunswick)</p>
14:00 - 14:20	<p>Alternative Disposal Options for High-Level Radioactive Waste (M. Englert, Oeko-Institute)</p>	<p>Can We Safely Go to 200 degrees C? An Integrated Approach to Assessing Impacts to the Engineered Barrier System in a High-Temperature Repository (J. Birkholzer, LBNL)</p>	<ul style="list-style-type: none"> ▪ Introduction (A. Eckhardt, risicare) ▪ Presentation (V. Mintzlaff, TU Brunswick) about geological and geochemical barriers ▪ Presentation (T. Hassel, University Hannover) about technical barriers (canisters) ▪ Discussion
14:20 - 14:40	<p>Einschätzung der Partitionierung und Transmutation hoch-radioaktiver Abfälle und hypothetische Szenarien für Deutschland (F. Frieß, BOKU)</p>	<p>An interdisciplinary view to the long-term evolution of repository systems across scales: the iCROSS project (H. Geckeis, KIT)</p>	
14:40 - 15:00	<p>Deep borehole disposal of intermediate-level waste (D. Mallants, CSIRO)</p>	<p>Simulating the feedback between corrosive gas generation and water availability for the evaluation of radionuclide mobility in the context of radioactive waste disposal (L. Wissmeier, CSD)</p>	

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15:00 - 15:20 Coffee break

	SESSION 4E Long-term preservation – Interdisciplinary perspectives Chair: D. Möller (BASE) & Heinz-Joachim Schaffrath (TU Darmstadt)	SESSION 2D Deep geological disposal – understanding processes in the multi-barrier system Part II Chairs: J. Birkholzer (LBNL) & B. Reichert (University Bonn)	WORKSHOP WS V Interdisciplinary workshop on safety and uncertainties – engineering approaches embedded in the social context Part II Organizers: A. Eckhardt (risicare), T. Hassel (University Hannover), V. Mintzlaff (TU Brunswick), K.-J. Röhlig (TU Clausthal), J. Stahlmann (TU Brunswick)
15:20 - 15:40	Stress factor human activities (A. Eckhardt, risicare)	Combining innovative experimental approaches and cross-scale reactive transport modelling for assessing coupled hydro-geochemical processes at interfaces in deep geological repositories for radioactive wastes (J. Poonoosamy, FZ Jülich)	<ul style="list-style-type: none"> ▪ Thematic classification by I. Kock (BASE) and D. Dehmer (BGE) with discussion ▪ Impuls lectures by R. Seidl (University Hannover) and a representative of the working group “Population” of the project TRANSENS with discussion ▪ Synthesis (K.-J. Röhlig, TU Clausthal)
15:40 - 16:00	Issues of long-term durability of paper – Labest Papier (H.-J. Schaffrath, TU Darmstadt)	Investigation of Percolation-Driven Fluid Transport in Rock Salt Under Repository-Relevant Conditions (PeTroS) (C. Lüdeling, IfG)	
16:00 - 16:20	Long-term Information about Nuclear Waste: 100.000 years and beyond (M. Kunze, MOM)	In situ corrosion of canister materials in bentonite: the IC-A experiment at Mont Terri (N. Diomidis, NAGRA)	
16:20 - 16:40	Lessons from archaeology and heritage studies for the long-term preservation of records, knowledge and memory concerning deep geological disposal sites for nuclear waste (C. Holtorf, Linnaeus University)	Evaluation of the corrosion behaviour of modern spent nuclear fuels under repository conditions (P. Kegler, FZ Jülich)	

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Time **Wednesday, November 10** *Preliminary Detailed Program*

POSTER	<ul style="list-style-type: none"> ▪ 2A Site selection – methods and overviews ▪ 2B Surface exploration methods ▪ 2C Tectonics and geomechanics of the potential host rocks for nuclear waste ▪ 4A Activities in international research programs and collaborations <p>Chair: R. Kühn (University Halle)</p>	<ul style="list-style-type: none"> ▪ 2E Advances in designing geotechnical barrier materials ▪ 2F Chemistry and migration behaviour of radionuclides <p>Chair: A. Liebscher (BGE)</p>
	The European Joint Programme on Radioactive Waste Management EURAD: Update of its strategic research agenda (D. Bosbach, FZ Jülich)	Compaction of crushed salt for the safe containment - Overview of the KOMPASS project (L. Friedenber, GRS)
	Development of a database for the analysis of the disposal system in the representative preliminary safety analysis (E.-M. Hoyer, BGE)	Deformation mechanisms and their microstructural indicators in the compaction of crushed salt as geotechnical barrier (K. Svensson, BGR)
	Eignung flach lagernder Salzformationen in Deutschland als Standort für ein Endlager für wärmeentwickelnde radioaktive Abfälle (T. Popp, IfG)	Pilot plant tests to demonstrate the functionality of sealing elements made of salt cut bricks (U. Düsterloh, TU Clausthal)
	A systematic approach for surface exploration of sites – A database to research and evaluate suitable methods (R. Dlugosch, BGR)	Dissolution of simplified nuclear waste glass and formation of secondary phases (F. Brandt, FZ Jülich)
17:00 -18:00	Investigation of Surface Exploration Programmes for Hydrological, Hydrogeological and Hydrogeochemical Issues in the Site Selection Procedure (K. Haneke, Brenk Systemplanung)	Impact of increased temperatures on the geochemical behaviour of trivalent actinides in aquatic systems (A. Skerencak-Frech, KIT)
	Open Access database of stress magnitudes in Germany (S. Morawietz, GFZ Potsdam)	THEREDA - Thermodynamic Reference Database (H. Moog, GRS)
	Slip tendency analysis of major faults in Germany (L. Röckel)	Geochemical benchmark tests to validate the conversion of thermodynamic data for TOUGHREACT (T. Weyand, BASE)
	The anisotropic properties of granites – effects of tectonic emplacement mode on potential crystalline host rocks for nuclear waste deposits in Germany (U. Kroner, TU Freiberg)	Microscopic and spectroscopic investigations of uranium(VI) reduction by Desulfosporosinus hippei DSM 8344 (S. Hilpmann, HZDR)
	Permeability variation in crystalline rocks due to low-grade solution phenomena (R. Kilian, University Halle)	Impact of the heterogeneity of the sandy Opalinus Clay facies at the Mont Terri underground research laboratory on radionuclide migration (N. Ait-Mouheeb, FZ Jülich)

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18:00 - 18:20	Closing with panel discussion about scientific highlights	T. Vietor (NAGRA) Moderation: C. Hamann
18:20 - 20:00	Dinner	

Time	Thursday, November 11	<i>Preliminary Detailed Program</i>	
09:00 - 09:15	Opening with introduction about platform SaND and format "open forum"	C. Hamann (BASE), C.-R. Dietl (BASE), J. Pohlers (BASE)	
09:15 - 09:40	Panel discussion about workshops	B. Laurich (BGR), O. Sträter (University Kassel)	
09:40 - 11:40	WORKSHOP WS I Best-practice for laboratory testing of low-permeability materials Organizers: B. Laurich (BGR), J. Hesser (BGR), S. Mayr (BGR), L. Winhausen (RWTH Aachen), A. Ghanizadeh (University Calgary), A. Nitsch (University Bochum), J. Leuthold (KIT)	WORKSHOP WS IV Transdisciplinary and psychologically resilient communication in the interaction of the stakeholders Organizers: P. Krütli (ETH Zürich), O. Sträter (University Kassel)	WORKSHOP WSII What do we need to trust in models? Organizers: I. Kock (BASE), M. Navarro (BASE), J. Eckel (BASE)
11:40 - 12:00	Coffee break		

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Time

Thursday, November 11

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	SESSION 2C	SESSION 4A	SESSION 2F
	Tectonics and geomechanics of the potential host rocks for nuclear waste Chairs: M. Stipp (University Halle) & A. Henk (TU Darmstadt)	Activities in international research programs and collaborations Chair: H. Geckeis (KIT)	Chemistry and migration behaviour of radionuclides Chairs: K. Spahiu (SKB), X. Gaona (KIT)
12:00 - 12:20	The SpannEnD project – 3-D stress prediction in the upper crust of Germany (K. Reiter, TU Darmstadt)	Twenty years of research on spent nuclear fuel in the context of final disposal at KIT-INE in multinational collaborative projects (M. Herm, KIT)	Radionuclide geochemistry: solubility and thermodynamics in a HLW repository (D. Fellhauer, KIT)
12:20 - 12:40	Characterizing the microstructural anisotropy of fine-grained phyllosilicate-rich rocks (R. Kühn, University Halle)	The Grimsel test site – more than 35 years of underground research (A. Martin, NAGRA)	Spatially resolved sorption of Cm(III) on crystalline rock: influence of surface roughness and mineralogy (M. Demnitz, HZDR)
12:40 - 13:00	Sub areas in steep rock salt formations – what do we know about the geological composition of North German salt structures? (L. Pollok, BGR)	International nuclear material safeguards for the final disposal of spent nuclear fuel – why, what and how (I. Niemeyer, FZ Jülich)	Diffusive transport of uranium and americium through clay rock down to ultra-trace levels (D. Glückman, KIT)
13:00 - 13:20	From process to system understanding with multi-disciplinary investigation methods: set-up and first results of the CD-A experiment (Mont Terri rock laboratory) (G. Ziefle, BGR)	International collaboration in disposal research: comparative modeling of coupled processes in the DECOVALEX project (J. Birkholzer, LBNL)	Cement as a component of the multi-barrier system: radionuclide retention in cementitious environments (X. Gaona, KIT)
13:20 – 14:20	Lunch		

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Preliminary Detailed Program

POSTER	<ul style="list-style-type: none"> ▪ 1A Interim storage of radioactive waste and spent nuclear fuel ▪ 1B Decommissioning of nuclear facilities ▪ 4D Interdisciplinary insights on decommissioning and disposal <p>Chair: S. Müller (KIT)</p>	<ul style="list-style-type: none"> ▪ 2D Deep geological disposal – understanding processes in the multi-barrier system ▪ 2G Numerical modelling for long-term safety analyses ▪ 4A Activities in international research programs and collaborations <p>Chair: K. Reiter (TU Darmstadt)</p>
	<p>Explanations for the development of a novel universally inside pipe separator for dismantling (contaminated) pipelines (M. Bachmann, KIT)</p>	<p>The European DISCO project: Deep geological disposal of modern spent nuclear fuel (D. Bosbach, FZ Jülich)</p>
	<p>Developing a radiation-field-based monitoring system for the transport and storage cask inventory during extended interim storage (M. Stephan, HSZG)</p>	<p>Overview of post-closure criticality safety RD&D topics in Switzerland (M. Wittel, NAGRA)</p>
	<p>Advances in distributed fiber optic radiation sensing (A. Wosniok, BAM)</p>	<p>On the temperature in a final disposal site for high-level radioactive waste (U. Maurer-Rurack, BASE)</p>
	<p>Development and testing of a tool for the decontamination of corners and inner edges on concrete surfaces (S. Zhang, KIT)</p>	<p>Mineral stability, brine development and rock-fluid reaction at repository-relevant temperatures (T<200°C) in the potential host rock rock salt (M. Mertineit, BGR)</p>
14:20 -15:20	<p>Development of an automated milling system for the decontamination of the wall surface in a nuclear power plant (S. Kazemi, KIT)</p>	<p>Anaerobic corrosion of carbon steel in compacted bentonite exposed to natural Opalinus clay porewater: Bentonite alteration study (F. Heberling, KIT)</p>
	<p>Modelling of hydrodynamic and solute transport with consideration of the release of low-level radioactive substances (R. Winter, University Stuttgart)</p>	<p>Development and quality assurance of computer programs for the review of long-term safety analysis (J. Eckel, BASE)</p>
	<p>What happens when the nuclear power plant goes? Social and economic consequences of dismantling for the site and its population (C. Kramer, KIT)</p>	<p>Open source software library for THM coupled processes in Python (C. Rücker, BASE)</p>
		<p>Deciphering porosity clogging at barrier interfaces in deep geological repositories for radioactive waste (M. Lönartz, FZ Jülich)</p> <p>Uncertainties in geomechanical models - exhaustive vs feasible approach (M. Ziegler, GFZ Potsdam)</p>

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15:20 - 15:40 Coffee break

SESSION 1A
Interim storage of radioactive waste and spent nuclear fuel Part I
Chairs: H. Völzke (BAM) & F.-N. Sentuc (GRS)

SESSION 2E
Advances in designing geotechnical barrier materials Part I
Chairs: B. Laurich (BGR) & D. Bosbach (FZ Jülich)

SESSION 3B
Nuclear social sciences Part I
Chairs: T. Keating (University Linköping) & L. Schwarz (FU Berlin)

15:40 - 16:00 Spectroscopic and chemical investigations on volatile fission and activation products within the fuel-cladding interface of irradiated pressurised water reactor fuel rod segments (T. König, KIT)

Over thirty years research on crushed salt as barrier material: fundamental findings and open questions (K. Zemke, BGR)

Justice in dealing with highly radioactive waste – an empirical perspective (L. Schwarz, FU Berlin)

16:00 - 16:20 Structural integrity investigations of spent nuclear fuel with finite element modeling (S. Pudollek, NAGRA)

SealWasteSafe: materials technology, monitoring techniques, and quality assurance for safe sealing structures in underground repositories (V. Lay, BAM)

Radioactive Waste Management Ethics and Public Policy: A Precautionary Approach (D. Oross & M. Eszter, Hungarian Academy of Sciences)

16:20 - 16:40 Development of a mobile, automated, optical inspection system for radioactive barrels (T. Barretto, KIT)

Michigan International Copper Analogue (MICA) project – current status (A. Liebscher, BGE)

A tentative useful-for-all definition of ‘safety’ in the context of radioactive waste disposal (S. Hotzel, BASE)

16:40 – 17:00 Coffee break

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17:00 - 17:20	Actinides induced irradiation damage and swelling effect in irradiated Zircaloy-4 after thirty years of storage (M. Marchetti, KIT)	Methodology of structured development and validation of multiphysical material models using the example of crushed salt compaction under 3D-THM stress boundary conditions (U. Düsterloh, TU Clausthal)	Has gentle regulation a chance? (U. Smeddinck, KIT)
17:20 - 17:40	Impact of radiation-induced microstructures on the integrity of spent fuel elements in the long-term storage (N. Yanikömer, RWTH Aachen)	Discussion of parameters used to distinguish suitable from less suitable HLRW bentonites (S. Kaufhold, BGR)	Narratives and images of the future for final disposal (S. Enderle, KIT)
17:40 - 18:00	PREDIS: Innovative ways for pre-disposal treatment and monitoring of low and medium radioactive waste (E. Niederleithinger, BAM)	Large-scale testing of a sandwich shaft sealing system at the Mont Terri rock laboratory (K. Wiczorek, GRS)	The secret of the copper box: public experiments and the prospects of living archives of Swedish nuclear waste (T. Keating, University Linköping)
18:00 - 18:30	Closing with panel discussion about scientific highlights	K. Reiter (TU Darmstadt), S. Müller (KIT) & T. Keating (University Linköping) Moderation: C. Hamann	
18:30 - 19:30	Dinner		
19:30 - 21:30	Open Forum (discussion in small groups related to scientific topics gathered throughout the day in a hybrid format)		

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09:00 - 09:10	Opening	C. Hamann (Head Press and Public Relations, BASE)	
09:10 - 10:00	Key Note Transdisciplinarity, deliberative democracy and statehood: reflections on the site selection process	K. Ott (Head Environmental Philosophy and Ethics, University of Kiel)	
10:00 – 10:20	Coffee break		
	SESSION 3A Nuclear humanities Chair: K. Kalmbach (Futurium)	SESSION 2B Surface exploration methods Chairs: F. Loeckle (BGR) & I. Kock (BASE)	SESSION 1B Decommissioning of nuclear facilities Chair: M. Ruffer (BASE)
10:20 - 10:40	The Making of a Safe Repository: Epistemic Practices and the History of Science (K. Krause, MPIWG)	Measurement Methods for Above-ground Site Investigation Programmes according to StandAG (Project 'MessEr') - an Overview (I. Kock, BASE)	Mobile attachment for automated crack milling (B. Froebus, KIT)
10:40 - 11:00	What is good drinking water? 41 years of water conflicts around the Nuclear Research Centre Karlsruhe, 1956- 1997 (A. Gutting, KTH)	A systematic approach for surface exploration of sites – Analysis of international exploration programs (L. Richter, BGR)	LD-SAFE project: Laser Dismantling Environmental and Safety (P. Daguin, Onet)
11:00 - 11:20	The international ethics of Australian nuclear heritage (N.A.J. Taylor, Deakin University)	Terrestrial Photogrammetry: a method to gather data on fractures for DFN modelling from exposed rock surfaces (F. Loeckle, BGR)	Radiological characterization of a German PWR based on a highly resolved method for activity analysis and dose rate calculation (M. Nolden & A. Scaramus, RWTH Aachen)
11:20 - 11:40			Development of a novel tool for the automation of the contamination measurement (A. Wernke, KIT)
11:40 – 12:40	Lunch		

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	SESSION 2G Numerical modelling for long-term safety analyses Part I Chairs: J. Maßmann (BGR) & L. Wissmeier (CSD)	SESSION 4D Interdisciplinary insights on decommissioning and disposal Part I Chairs: C. Drögemöller (University Hannover) & B. Wealer (TU Berlin)	SESSION 3D Participation in the search for a nuclear disposal site Part I Chairs: M. Mbah (Oeko-Institute) & I. Richter (BASE)	
12:40 - 13:00	Reactive transport modelling of long-term interactions between iron and MX-80 bentonite (C. Chaparro, KIT)	Research needs in nuclear decommissioning: An analysis based on stakeholders' point of views (S. Müller, KIT)	From a hard nuclear state towards a soft nuclear repository state – Participation, co-design, learning und reversibility in the site-selection process for a nuclear waste repository (A. Brunnengräber, FU Berlin)	
13:00 - 13:20	Building the bridge between safety requirements and numerical modeling: An example considering crack development of Opalinus Clay in laboratory and field scales (T. Cajuhi, BGR)	Training needs assessment: Identification of competence fields for the dismantling of nuclear power plants (L. Thomaschewski, University Bochum)	Specific cultural and political challenges in cross-border public participation (F. Sperfeld, UfU)	
13:20 - 13:40	The recent stress state of Germany - Results of a geomechanical-numerical 3D model (S. Ahlers, TU Darmstadt)	The economic organization of decommissioning nuclear power plants - an institutional economic analysis with case studies on the U.S., U.K., and Germany (B. Wealer, TU Berlin)	Management of high-level radioactive waste in Germany: Roads from storage towards disposal. Need and options for action (S. Chaudry, Oeko-Institute)	
13:40 – 14:00	Coffee break			

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14:00 - 14:20	AREHS: Effects of changing boundary conditions on the development of hydrogeological systems: Numerical long-term modelling considering thermal-hydraulic-mechanical (-chemical) coupled effects (R. Kahnt, G.E.O.S.)	Transdisciplinary research on the topic of long-term near-field monitoring of a geological repository with a view to building trust (J.-A. Othmer, TU Clausthal)	Participation of the foreign public in the site selection procedure: requirements and the question of informal participation (S. Schütte, Oeko-Institute)
14:20 - 14:40	Numerical analysis on the integrity of potential host rocks - Modelling thermo-hydro-mechanical processes in the containment providing rock zone in crystalline rock (C.-G. Morel, BGR)	The use of muon radiography in safeguarding geological repositories (L. Thompson, University Sheffield)	Representing future generations in public participation procedures regarding the siting of a nuclear waste repository (L. Hamacher, Bucerius Law School)
14:40 - 15:00	Identification and evaluation of processes for co-disposal of high-level radioactive waste and low- and intermediate-level radioactive waste (A. Poller, CSD)		Transdisciplinary disposal governance - Learning and reflexion in and between organisations and through participation of the public (M. Mbah, Oeko-Institute)
15:00 - 15:30	Closing and Outlook		P. Nanz (Vice President, BASE)

Topics

1 Decommissioning of nuclear facilities & Storage of radioactive waste

2 Disposing of High-level as well as low- and intermediate-level radioactive waste & Selecting a repository site

3 Participation processes for projects involving nuclear safety and disposal & Communications and sociotechnical aspects related to nuclear disposal

4 Interdisciplinary and cross-cutting aspects related to nuclear disposal