

7th Meeting of the “European MELCOR User Group”

Avenue Ariane, 7, Brussels

March 17-18, 2015

Agenda

March 17th, 2015 / Forum 7th floor

Registration			08:30-09:30
Welcome and Opening Remarks	M. Auglaire Y. Pouleur B. De Boeck	TE FANC Bel V	09:30-09:45
Session 1 – Severe Accident Research Activities in Belgium			
Co-Chairs: M. Auglaire / TE, D. Gryffroy / Bel V			
<i>MELCOR Applications in TE</i>	L. Sallus	TE	09:45-10:05
<i>Intended use of MELCOR for MYRRHA Safety Assessment</i>	D. Bisogni	SCK•CEN	10:05-10:25
<i>Overview of Bel V and use MELCOR code</i>	M. Adorni	Bel V	10:25-10:45
<i>Coffee break</i>			10:45-11:15
Session 2 – Model development and assessment			
Chair: L. Sallus / TE			
<i>Status of MELCOR Code Development and Assessments</i>	L. Humphries	SNL	11:15-11:45
<i>Application of MELCOR at GRS Regarding Spent Fuel Pool Analyses and Assessment of SAMG Procedures</i>	T. Steinrötter	GRS	11:45-12:30
<i>Lunch break</i>			12:30-13:30
Session 2 – Model development and assessment (continued)			
Chair: M. Adorni / Bel V			
<i>MELCOR Modelling and Experience at NRG</i>	F. Alcaro	NRG	13:30-13:50
<i>The role of nitrogen in spent fuel pool accident scenarios</i>	B. Jäckel	PSI	13:50-14:15
<i>MELCOR 2.1 model for VVER 1000 (V320) spent fuel pool – issues identified</i>	Y. Donovan	Risk Engineering	14:15-14:35
<i>Passive successful cooling of a spent fuel pool</i>	W. Rapp	WEG	14:35-14:50
<i>Coffee break</i>			14:50-15:10

Session 3 – Modeling features

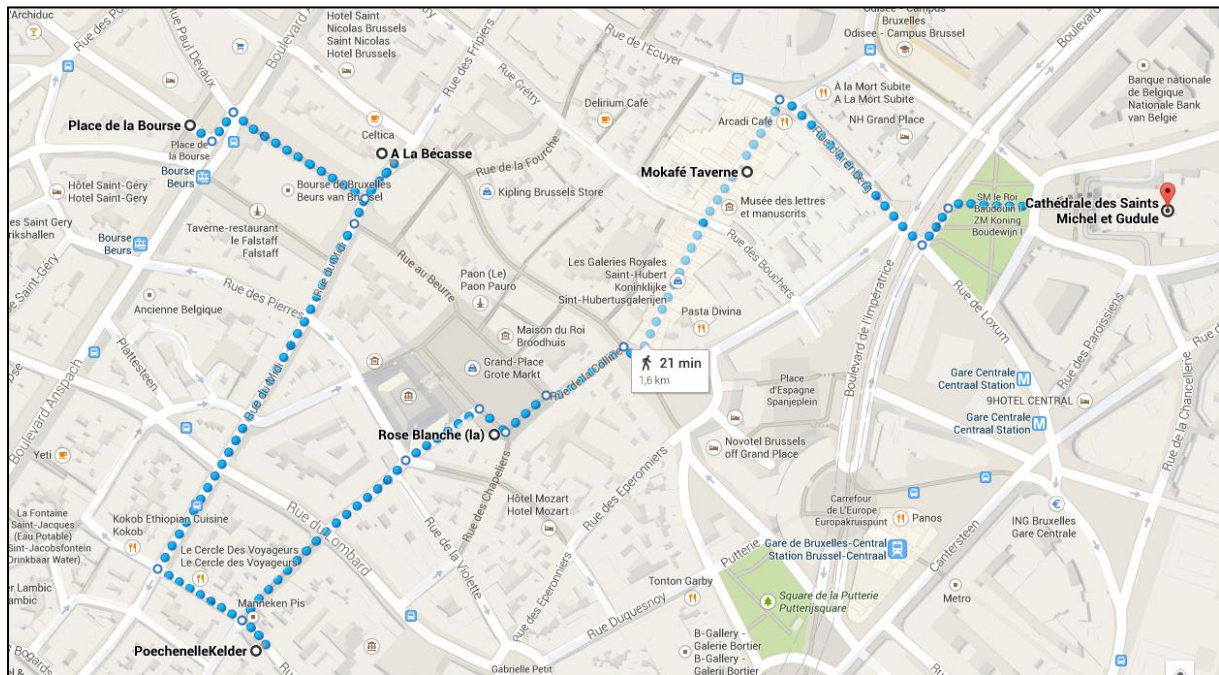
Chair: P. Dejardin / TE

AREVA's current MELCOR activities in Germany	M.G. Loeffler	AREVA	15:10-15:30
MELCOR and CORQUENCH MCCI analyses in a KONVOI containment	A. Rydl	PSI	15:30-15:55
VVER-440/213 MELCOR COR model for Gd2M fuel	P. Vokáč	ÚJV Řež	15:55-16:20
Coupling the PECM with MELCOR	P. Dietrich	KIT	16:20-16:45
Use of MELCOR 1.8.6 in conjunction with SOPHAEROS module of ASTEC V2.0 in the frame of the studies for Containment Filtered Venting Systems of Belgian Units	T. Helman	TE	16:45-17:15

Walking dinner

18:00-22:30

- 18:00 Departure by bus from Ramada Brussels Woluwe, Avenue des Pléiades 67, 1200 Brussels
- 18:30 Walking dinner (see map below): from Place de la Bourse/Beursplein, 1000 Bruxelles/Brussel
Aperitif (2 groups)
Le Poechenellekelder (Manneken Pis) / La Bécasse (rue de Tabora 11)
Main dish: La Rose Blanche (Grand Place)
Dessert: Mokafé (Galeries Saint Hubert)
- 22:30 Return by bus from rue Cardinal Mercier (close to St. Michael and St. Gudula Cathedral) to Ramada Brussels Woluwe



* WiFi available in the meeting room

Session 4 – User experience and activities

Chair: L. Sallus / TE

<i>Current activities and experience with application of MELCOR 2.1 at UJD SR</i>	L. Kubisova	UJD SR	09:00-09:25
<i>CIEMAT's MELCOR modeling activities during 2014</i>	C. López del Prá	CIEMAT	09:25-09:45
<i>Warsaw University of Technology experiences in NPP SA modeling - EPR power plant model and nodalization in MELCOR</i>	M. Gatkowski	WUT	09:45-10:05
<i>MELCOR modeling activities at Bel V and application to Belgian NPP</i>	M. Adorni	Bel V	10:05-10:30
<i>Coffee break</i>			10:30-10:50

Session 4 – User experience and activities (continued)

Chair: T. Van Rompuy / Bel V

<i>GFR modeling in MELCOR 1.8.6 - experience, troubles, solutions</i>	P. Vacha	ÚJV Řež	10:50-11:10
<i>Use of MELCOR for modelling fusion technology related accidents</i>	G. Georgiev	Jacobsen Analytics	11:10-11:30
<i>Update of the MELCOR calculations for the validation of the ITER Cryostat design</i>	E. Martinez Saban	Idom	11:30-11:45
<i>Application of MELCOR 1.8.2 (fusion version) and MELCOR 2.1 on the DEMO Helium Cooled Pebble Bed blanket concept</i>	B. Gonfiotti	UNIPI	11:45-12:15
<i>Lunch break</i>			12:15-13:15

Session 5 – Deck generation and post-processing of results

Chair: J. Bulle / TE

Post Processing with SNAP	J. Phillips	SNL	13:15-13:35
Visualization of MELCOR results for SAMG training purposes	L. Musanovic	AREVA	13:35-13:50
MELCOR deck generator	M. Turner	AMEC FW	13:50-14:20
Use of the MELCOR code at ENEA for the analysis of current and advanced reactor designs	F. Mascari	ENEA	14:20-14:45
Note on MACCS-nn-PLHEAT output	P. Vokáč	ÚJV Řež	14:45-14:55
Demo on “An automated tool for modelling the auxiliary building in MELCOR”	M. Sarens	TE	14:55-15:15
<i>Coffee break</i>			15:15-15:30

Final discussion and Conclusions	All		15:30-16:00
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