

MAEGS-15 Scientific Programme (13.09.2007)

15. Sept.	16:00–21:00	Registration (in National Library). A guided walking tour in the Old Town of Tallinn leaves the library at 16:15 and returns at 18:00 (another option will be on 17. September starting at 16:00)	
	18:00–21:00	Ice Breaker Party (in National Library)	
16. September 2007 (Sunday)	09:00–09:20	Opening Ceremony (Opening Ceremony and all sessions are held in National Library Conference Center)	
	09:20–09:30	Session 1 Chair R. Raudsep	T. Nield: International Year of Planet Earth
	09:30–10:00		M.G. Petterson: Minerals, sustainability, emerging economies, the developing world and the 'truth' behind the rhetoric
	10:00–10:30		K. Sundblad: Which metals and minerals will be our future resources?
	10:30–10:50		K. Jarmolowicz-Szulc: Remarks on management and networking for the active research in the environmental field
	10:50–11:20		Coffee break
	11:20–11:40	Session 2 Chair T. Nield	R. Raudsep: Estonian georesources in the European context
	11:40–12:00		V. Seglins, A. Gilucis & A. Murnieks: Geological mapping in Latvia: from useful minerals and structures to georesources
	12:00–12:20		V.E. Gasiūnienė: Lithuanian mineral resources and their usage: today, future and problems
	12:20–12:40		B. Radwanek-Bak: Some problems of sustainable management of mineral resources in Poland
	12:40–13:00		K. Nenonen & O. Breilin: Geological heritage in Finland as an example of sustainable use of geosites
	13:00–14:00	Lunch	
	14:00–14:30	Session 3 Chair I. Valgma	V. Puura & E. Puura: Origins, compositions, and technological and environmental problems of utilization of oil shales
	14:30–14:50		E. Reinsalu & I. Valgma: Usage of Estonian oil shale
	14:50–15:10		J. Leveinen, B. Aneshkin, F. Blanchard, M. Staudt, G. Van den Dool, S. Sapon & O. Kruglova: Modelling impacts of oil-shale mining on groundwater resources in the Slantsy region, Russia
	15:10–15:30		K. Sokman, E. Väli, R. Iskül, K. Erg, J.-R. Pastarus & H. Lind: Sustainable groundwater resource management in Estonian oil shale deposit
	15:30–15:50		S. Sabanov, K. Sokman & H. Lind: Environmental impact assessment of oil shale excavation in Estonia
	15:50–16:20	Coffee break	
	16:20–16:40	Session 4 Chair E. Puura	I. Valgma, V. Karu, A. Västriik & V. Väizene: Future of oil shale mining
	16:40–17:00		J.-R. Pastarus, K. Erg, O. Nikitin, S. Sabanov, E. Väli & T. Tohver: Geological aspects of risk management in oil shale mining
17:00–17:20	S. Sabanov, J.-R. Pastarus, O. Nikitin & A. Viil: Risk assessment of selective extraction of oil shale layers in "Estonia" mine		
17:20–17:40	Y.J. Systra, K. Sokman, V. Kattai & R. Vaher: Tectonic dislocations of the Estonian kukersite deposit and their influence on oil shale quality and quantity		
17:40–18:00	T. Collver: Pioneering New Approaches in Support of Sustainable Development in the Extractive Sector		
17. September 2007 (Monday)	09:00–09:30	Session 5 Chair V. Steinbach	R. Schlüter: Options of post-mine utilization of hard coal deposits
	09:30–09:50		K. Jarmolowicz-Szulc: Fluid inclusion studies in search for hydrocarbons in marine and mountain regions – the Baltic Sea and Carpathian cases
	09:50–10:10		O. Zdanaviciute, M.V. Dakhnova & T.P. Zheglova: Geochemistry of oil and source rocks and petroleum potential of the western part of Baltic Syncline
	10:10–10:30		T. Ruskeeniemi, K. Loukola-Ruskeeniemi, J. Sorvari, B. Backman, E. Rossi, H. Lehtinen, E. Schultz, Ä. Bilaletdin & R. Mäkelä-Kurto: Use of geochemical data in land use planning and exploitation of georesources – experience from the RAMAS project, Finland
	10:30–10:50		H. Lehtinen, J. Sorvari & T. Assmuth: Multi-dimensional and multi-disciplinary approach to the regional risk management of arsenic in Pirkanmaa, Finland
	10:50–11:20	Coffee break	
	11:20–11:40	Session 6 Chair V.E. Gasiūnienė	V. Steinbach: The importance of the mineral raw materials supply in respect to the competitiveness of the European economy
	11:40–12:00		J. Kaija, J. Baker, M. Bálint, G. Gaál, K. Gondar, J. Leveinen, P. Medgyesi, L. Réti & L. Savici: Sustainable management and treatment of arsenic-bearing groundwater in southern Hungary
	12:00–12:20		E. Kovacevic, S. Miko, Ž. Dedic, O. Hasan, B. Lukšić & Z. Peh: Impacts of past mining and present aggregate quarrying on the Dalmatian karst environment, Croatia
	12:20–12:40		M. Orru: Sustainable use of Estonian peat resources and environmental challenges
12:40–13:00	E. Niitlaan: Peat production and its regulation in the Baltic states		
13:00–14:00	Lunch		

17. September 2007 (Monday)	13:00–14:00	Lunch	
	14:00–14:30	Session 7 Chair K. Nenonen	P. Schmidt-Thomé: Integration of natural hazards, risk and climate change into spatial planning practices
	14:30–14:50		S. Bonetto, A. Fiorucci, M. Fornaro & B. Vigna: Subsidence hazards connected to quarrying activities in karst area: an up-dating of the Moncalvo Sinkhole Event (Piedmont - NW Italy)
	14:50–15:10		M. Marinescu, A. Popescu, R. Maftei & M. Matei: Complete management of resources: from the discovery of solid mineral and energetic material deposits to obtaining raw materials
	15:10–15:30		T. Eerola: NGOs, local people, and uranium exploration in Finland. The anatomy of a new challenge
	15:30–15:50		C.J. Moon: Developing new projects in a mineral rich area of western Europe – recent experiences in SW England
	16:00–18:00		Guided tour in the UNESCO World Heritage Old Town of Tallinn (departures from National Library)
	16:00–18:00	AEGS EC meeting	
18. September 2007 (Tuesday)	09:00–09:20	Session 8 Chair C. Ionescu	G.O. Iancu, N. Buzgar, L. Apostoae, C. Popa, C. Secu, M. Lungu & O. Stan: The distribution of heavy metals from the soils of the Iasi city and its surroundings
	09:20–09:40		A. Shogenova, S. Sliupa, K. Shogenov, R. Sliapiene, R. Vaher & A. Zabele: Geological storage of industrial CO ₂ emissions in the Baltic States: problems and prospects
	09:40–10:00		T. Eerola: The use of boulders in urban landscaping at Espoo, Finland
	10:00–10:20		H. Luodes: Natural stone assessment with ground penetrating radar
	10:20–10:50	Coffee break	
	10:50–11:10	Session 8 cont.	P. Härma & O. Selonen: Surface weathering of rapakivi granite outcrops – implications for natural stone exploration and quality
	11:10–11:30		A.A. McMillan: Development of sustainable georesources for the built environment in the UK
	11:30–12:00	AEGS General Assembly (in National Library Conference Center)	
	12:00–12:30	Award Ceremony of Percival Allen Medal	
	12:30–13:30	Lunch	
	13:30–17:00	Spare time	
17:00–22:00	Conference Dinner (bus departures National Library parking lot)		
19. Sept.	08:30–19:00	Geological Excursion, northern Estonia (bus departures National Library parking lot)	
20. Sept.	08:30–18:00	Geological Excursion, northern and western Estonia (bus departures National Library parking lot)	

Poster presentations:

M. Beric & M. Francuski: Correlation of petroleum-geological characteristics between Velebit and Cantavir structures on the basis of 3D seismics
S. Devoto & E. Castelli: Slope stability in a old limestone quarry interested by a tourist project
S. Kondratjeva: Latvian dolomite – building stone and road construction material
B. Lalinská, P. Šottník, J. Majzlan, M. Chovan & S. Milovská: Contamination generated by antimony mining in Slovakia: Evaluation and strategies for remediation
M. Mafteiu, M. Marinescu, R. Maftei & D. Stefanescu: Pollution and environment degradation during the georesources recovery process, revealed using geophysical methods. Case studies in Romania
M. Marinescu, A. Popescu, R. Maftei & M. Matei: The complete management of travertine resources. Case study: Carpinis deposit (Romania)
M. Marinescu: Geomanagement: the meeting between management and geology
M. Radulescu & G. Buia: Natural attenuation of volatile organic compounds as feasible environmental remediation strategy – case study of a complex landfill leachate contaminating the groundwater system
P. Šottník, O. Lintnerová & S. Šoltés: Catchment area affected by mining activities – abandoned Smolník mine (Slovakia)
M. Staudt, G. Van den Dool, S. Sapon & J. Leveinen: GIS data management structure for international co-operation projects – an example from the EU LIFE project “Narva Groundwater Management Plan”
V. Strupl: Czech Geological Survey-Geofond: profile of the organization
M. Šutriepka: The geochemical study of the bottom sediments of selected water reservoirs in Slovakia
Y.J. Systra & V.G. Spungin: Postglacial seismic activity of the SE Fennoscandia and Estonia
W. Trela: The Middle/Upper Ordovician phosphorites in the Łysogóry Unit (central Poland) – response to the late Llanvirn sea-level rise

MAEGS-15 Geological Excursion

19. September 2007 (Wednesday)	08:30	Departure from Tallinn Bus leaves from the National Library (Tõnismägi 2)
	08:50–09:30	Stop 1. Väokivi limestone quarry Middle Ordovician limestone and production of raw materials
	11:30–13:00	Stop 2. Aidu oil shale opencast Large opencast (surface mine) of Upper Ordovician kukersite oil shale
	13:30–15:30	Stop 3. Kohtla Mining-Park Museum & lunch Underground oil shale mine-museum
	16:00–16:30	Stop 4. Valaste waterfall Succession of Lower Cambrian to Middle Ordovician rocks exposed at the Baltic Klint – a 1200-km long escarpment
	18:30	Return to Tallinn Bus returns to the National Library
20. September 2007 (Thursday)	08:30	Departure from Tallinn Bus leaves from the National Library (Tõnismägi 2)
	09:10–11:00	Stop 1. Vasalemma limestone quarry Upper Ordovician limestone, first Ordovician corals and reefs in Baltica Paleococontinent
	12:15–13.15	Stop 2. Tuhu mire A typical example of Estonian mire in its natural state
	14:00–15:00	Lunch in Pärnu
	15:30–16:30	Stop 3. Lavassaare peat production fields Production of peat in one of the largest fields in Estonia
	18:00	Return to Tallinn Bus returns to the National Library