



Explosives Education and Training in Estonia

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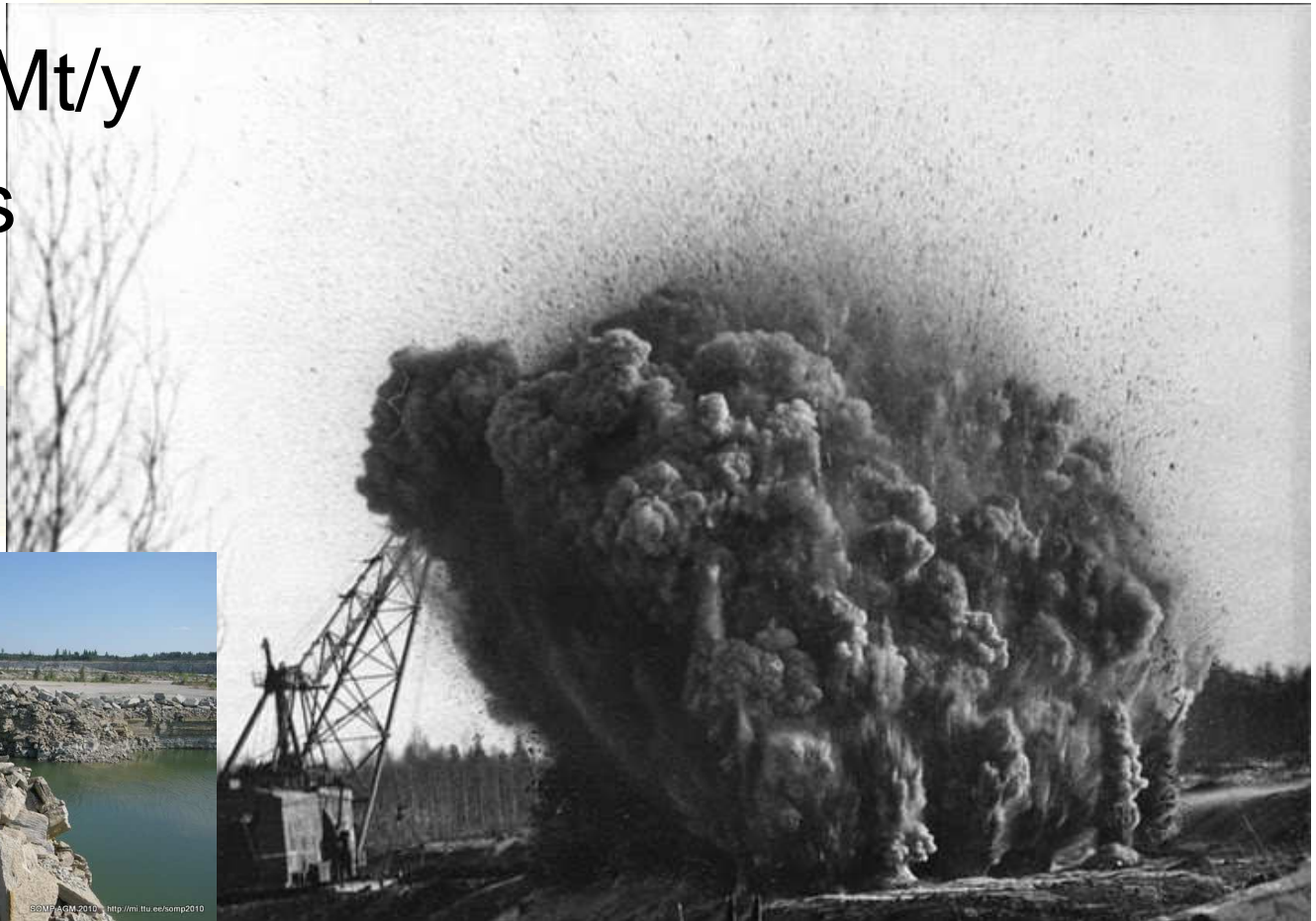
Head of Estonian Mining Society

Member of Estonian Association
of Mining Enterprises



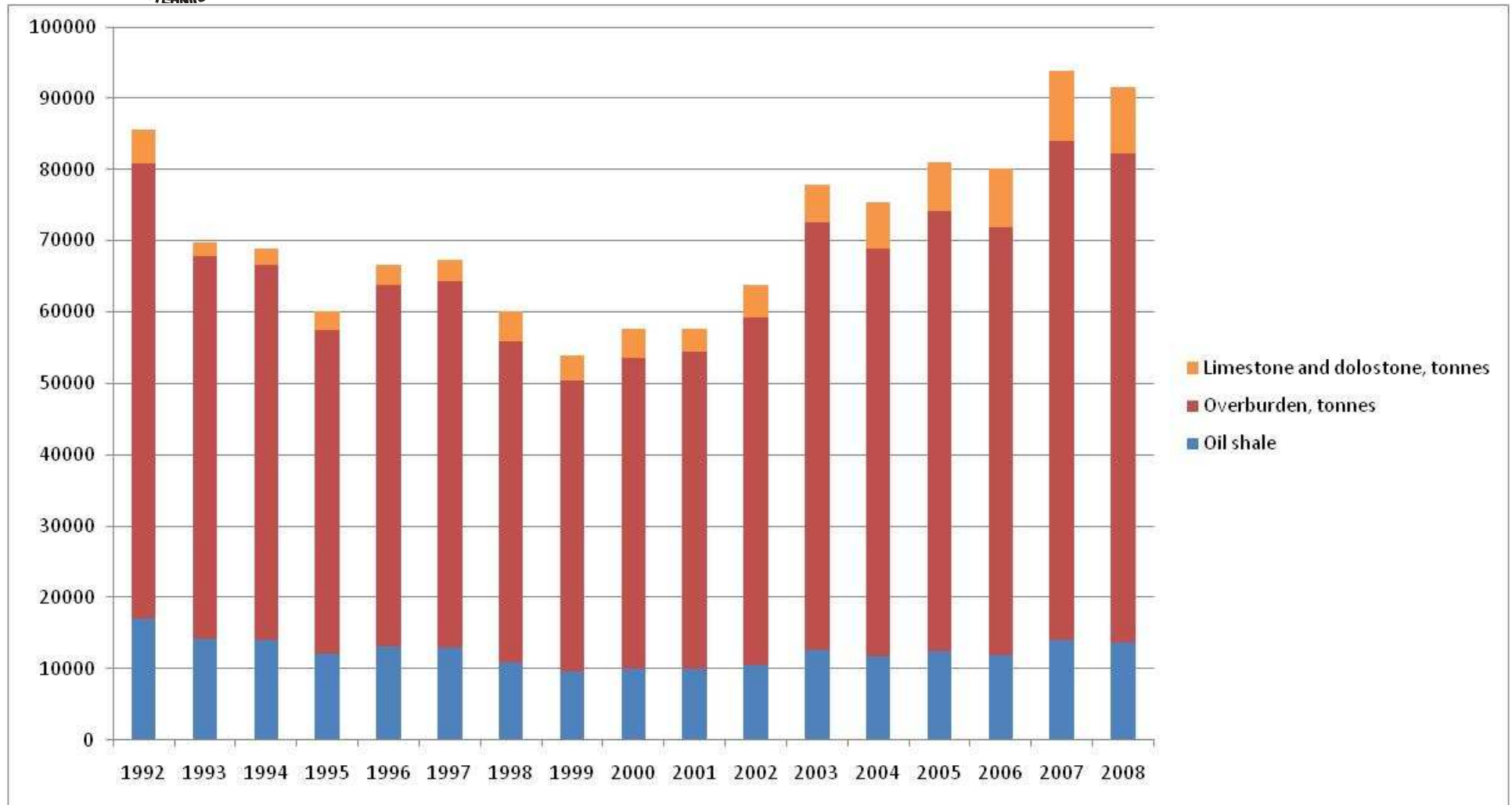
Explosives in Estonia

- Oil Shale mining (15Mt/y + overburden 21Mcum/y)
- Limestone, 9Mt/y
- Constructions
- Military





Thousand tonnes rock blasted annually





Department of Mining

- Educating Mining Engineers
- Mining Research & Deveopment
- Vocational Education



Estonian Mining Society

- Connects Estonian Mining Engineers and some Mining Enterprises
- Develops Mining sector



Estonian Association of Mining Industries

- Represents Estonian Mining Enterprises
- Represents all Mining Explosives Companies except Orica Eesti



Expectation

- I expect to get new information
- To learn how and what to teach and train
- Increase teaching and training level and research opportunities



What have we done?

- Meetings
- Questionnaire
- Collection of Interested bodies
 - Companies
 - Mining Associations
 - Technical Inspectorate
 - University of Technology
 - Set up web page:
<http://mi.ttu.ee/euexnet>

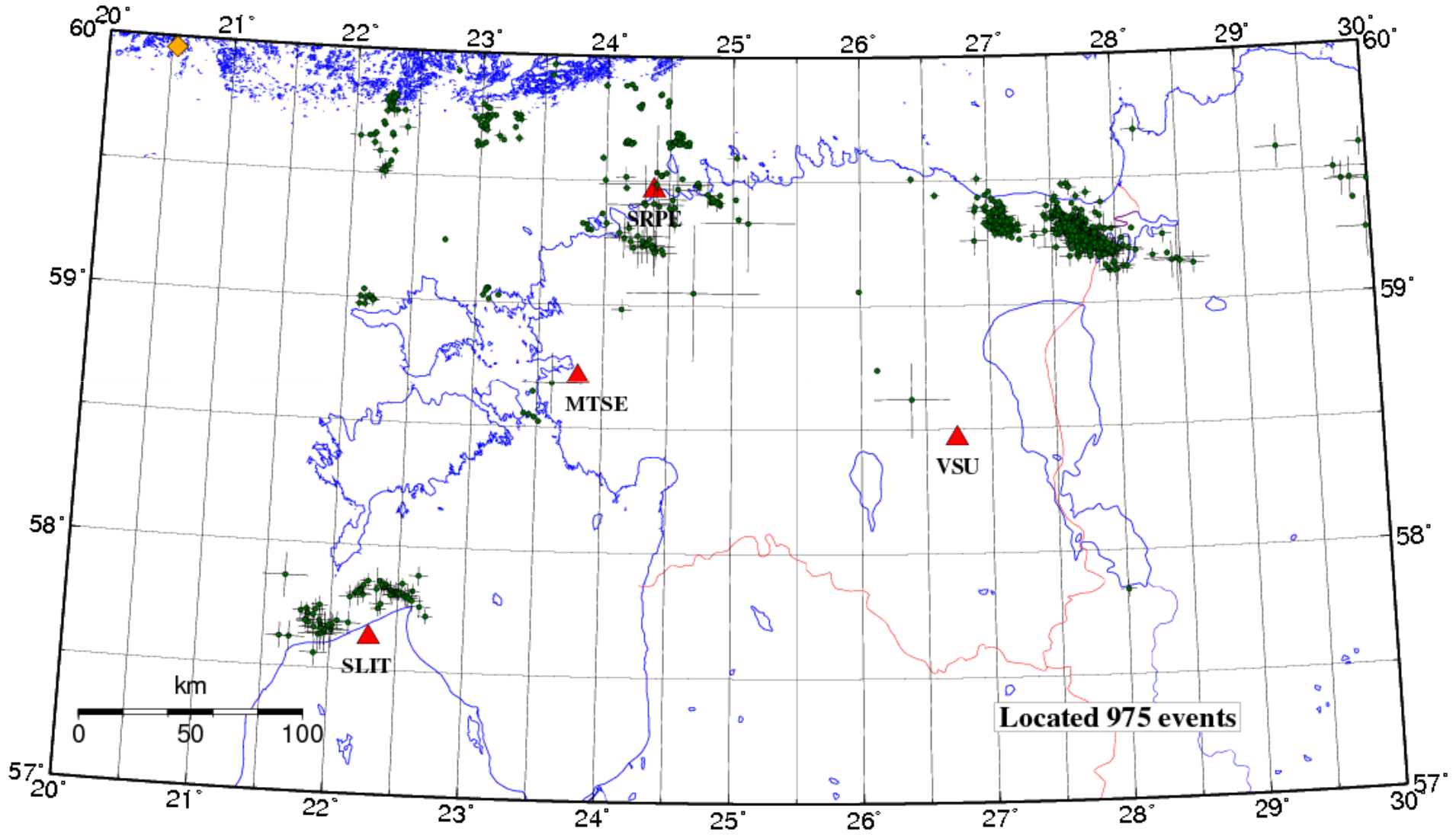


What is needed

- Legal acts on safety and blasting influence
- New legal body for certifying explosive engineers and workers
- Exchange of information
- Better methodics for evaluating blasting influence



Seismic events



24.03.2010

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mi.ttu.ee



Professional standards

- <http://www.kutsekoda.ee/>
- [1] [Lõhkaja II](#)
- [2] [Lõhkemeister III](#)
- [3] [Lõhkemeister III Ehituslik lõhketöö](#)
- [1] [Diplomeeritud mäeinsener V](#)
- [2] [Mäeinsener IV](#)
- [3] [Volitatud mäeinsener V](#)



Web site

<http://mi.ttu.ee/euexnet>