11.15 – 11.45	COFFEE
11.45 – 12.15	Viable recovery options for construction and demolition waste. Christian J. Engelsen, SINTEF, Norway
12.15 – 12.45	OSAMAT – oil shale ash use in road construction – monitoring intermediate results *Arina Koroljova, Eesti Energia AS* *Andres Brakmann, Ramboll Estonia*

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TEEDEKLASTER
ESTONIAN ROAD CLUSTER

OSAMAT ENV/EE/000227
Project is financed with the contribution of the LIFE financial instrument of the European Community

OSAMAT – Oil Shale Ash Use in Road Construction

Arina Koroljova
Eesti Energia AS
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OSAMAT ENV/EE/000227

Project is financed with the contribution of the LIFE financial instrument of the European Community

OSAMAT Project Goals

- OSA is a valuable construction material
- OSA utilisation is safe for the environment

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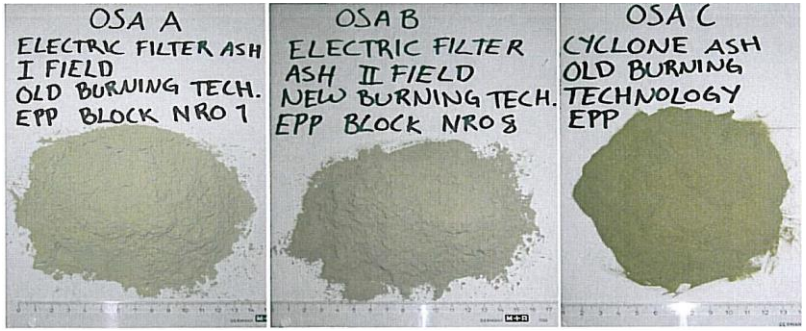
Oil Shale Ash

- Is a product of combustion of oil shale under t=1400 °C (pulverized firirng) and t= 900 °C (circulated fluidized bed combustion)
- Calcareous



Type of OSA	Boiler type, firing temperature	Specific surface, kg/m^2	CaO	CaO free, %	SiO_2	Al_2O_3	Fe_2O_3	MgO	SO_3	K_2O	Na_2O
CYCL PF	Pulverised firing, up to 1400 ^0C	86-150	56	18-24	22,1	11,9	4,9	4,0	1,5	1,5	0,1
BF PF	Pulverised firing, up to 1400 ^0C	280-320	39	6-14	25,7	6,7	3,9	4,7	7,3	3,7	0,1
EF CFB	Circulated fluidised bed combustion, firing temperature up to 900 ^0C	450-800	28	1,6-8	38,6	5,8	5,1	4,5	4,1	4,5	0,2

Thank you!

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