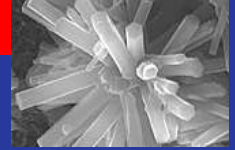
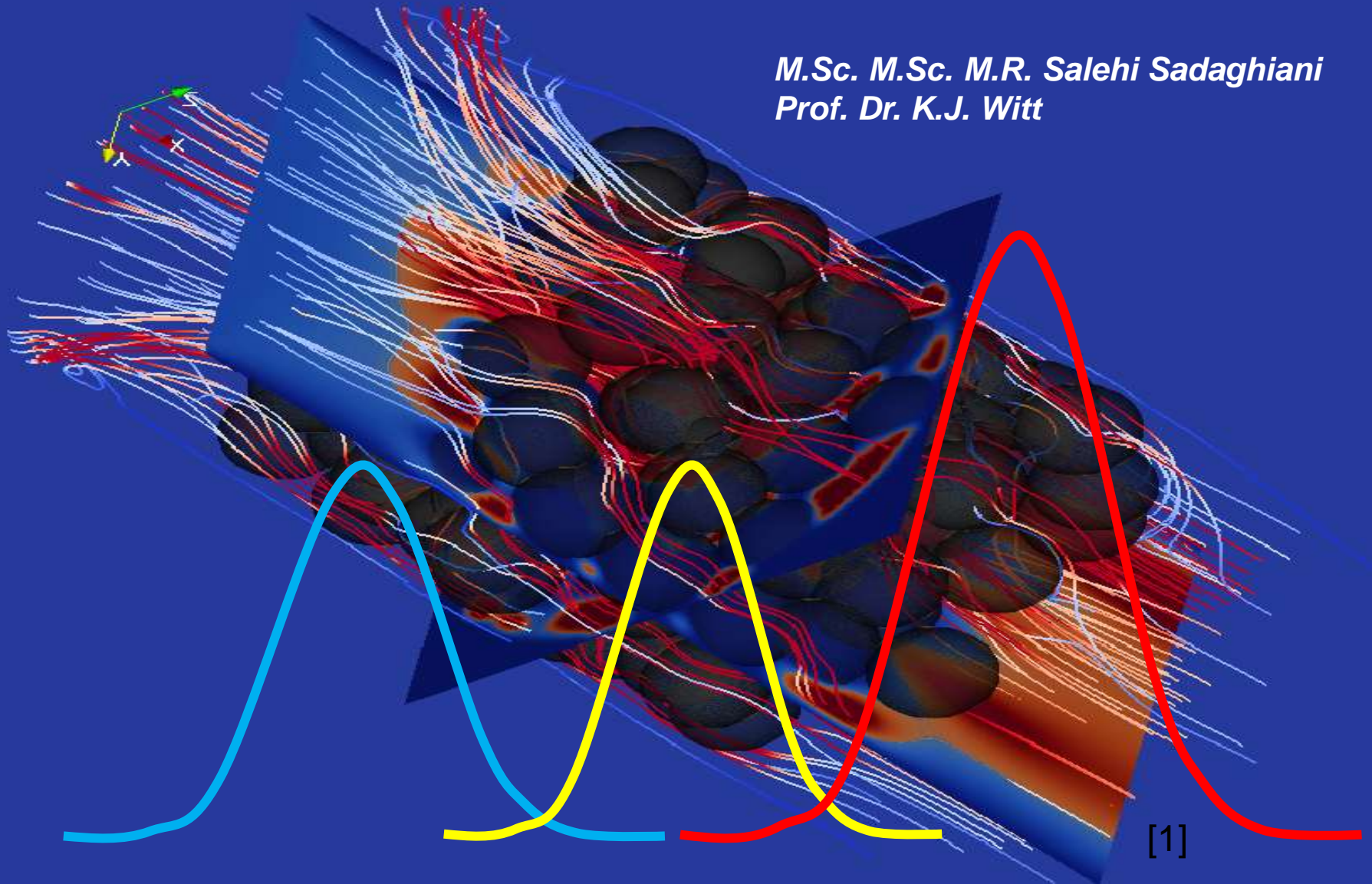


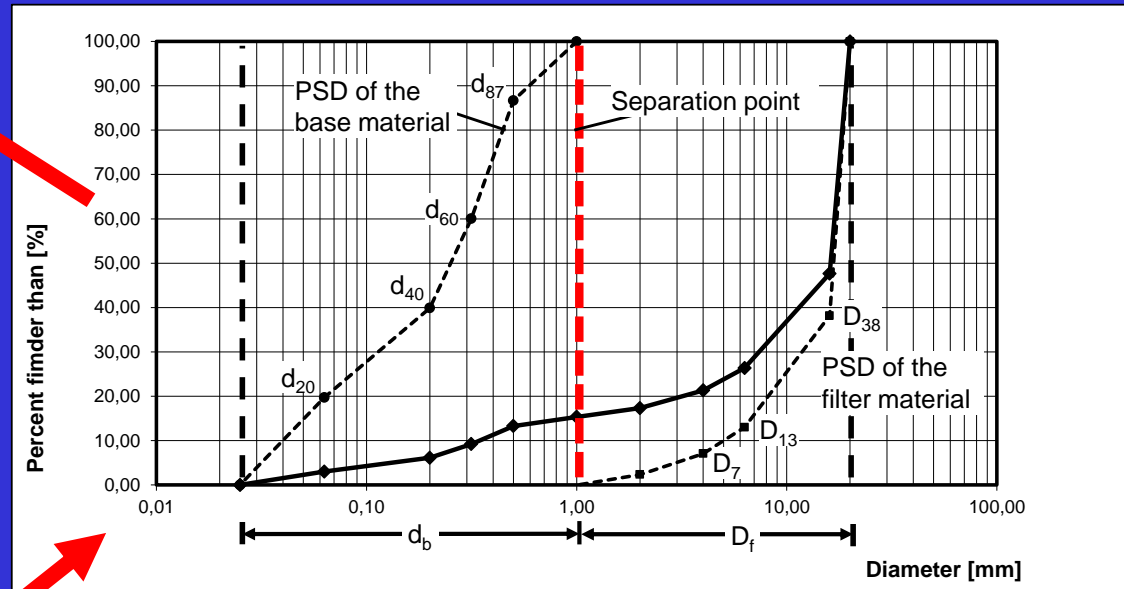
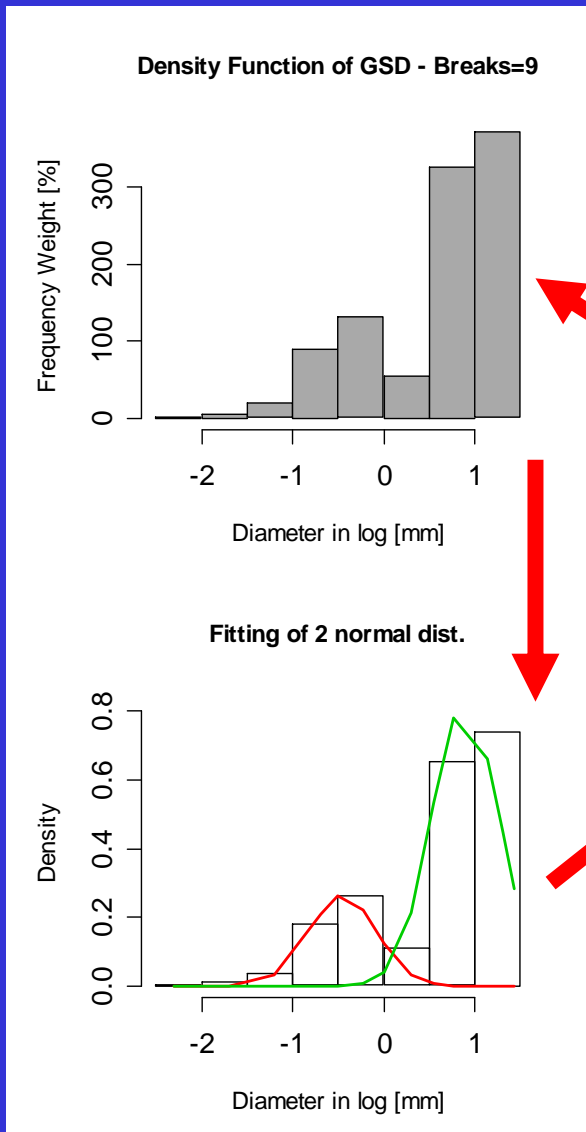
# - Analysis of Internal Stability of Widely Graded Soils Based on Identification of Mobile Particles -



*M.Sc. M.Sc. M.R. Salehi Sadaghiani*  
*Prof. Dr. K.J. Witt*

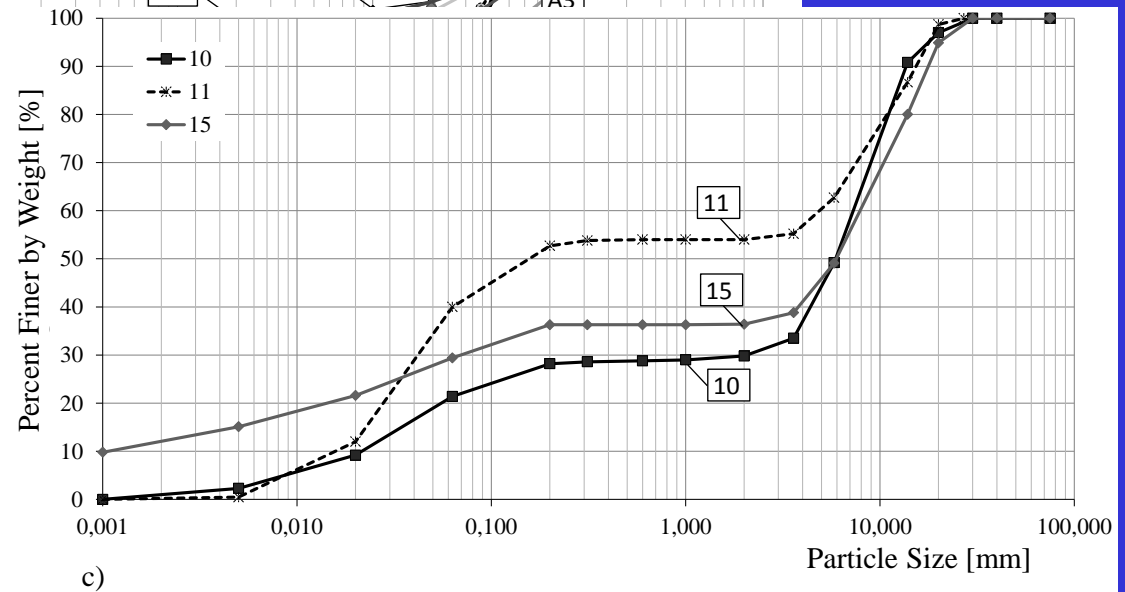
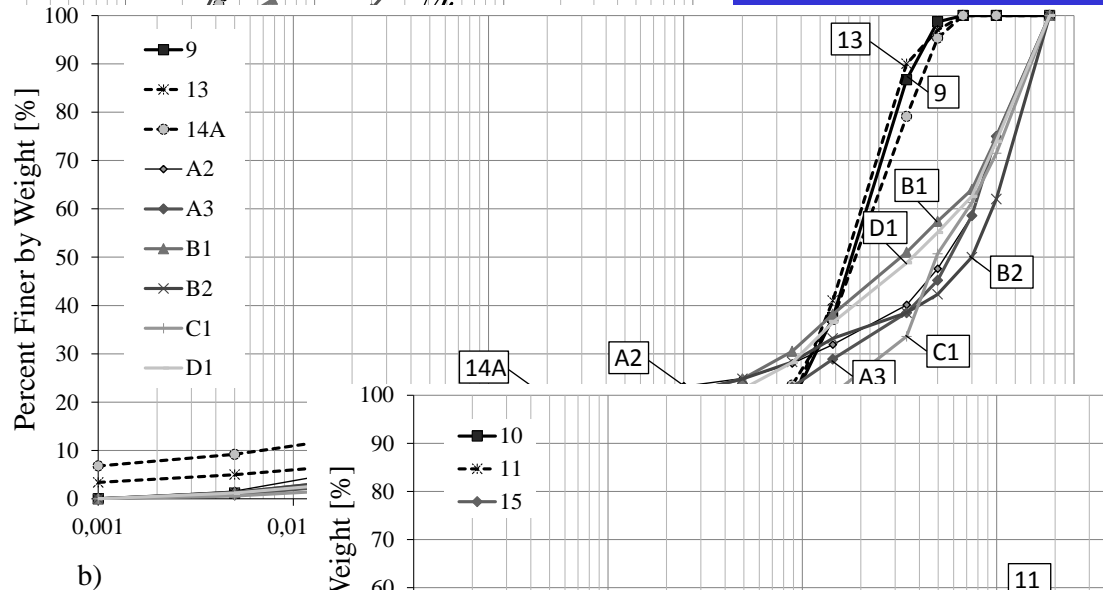
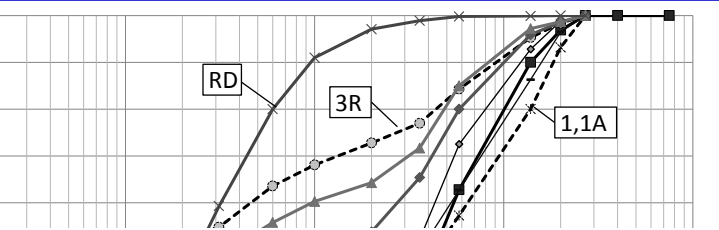
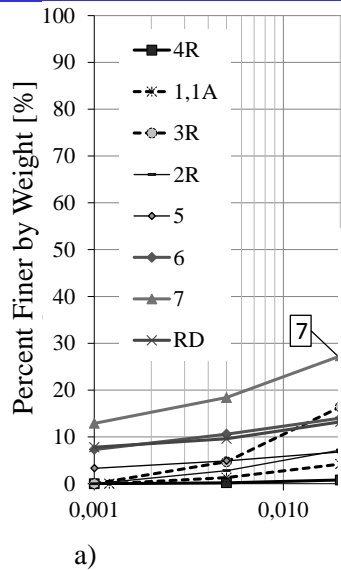


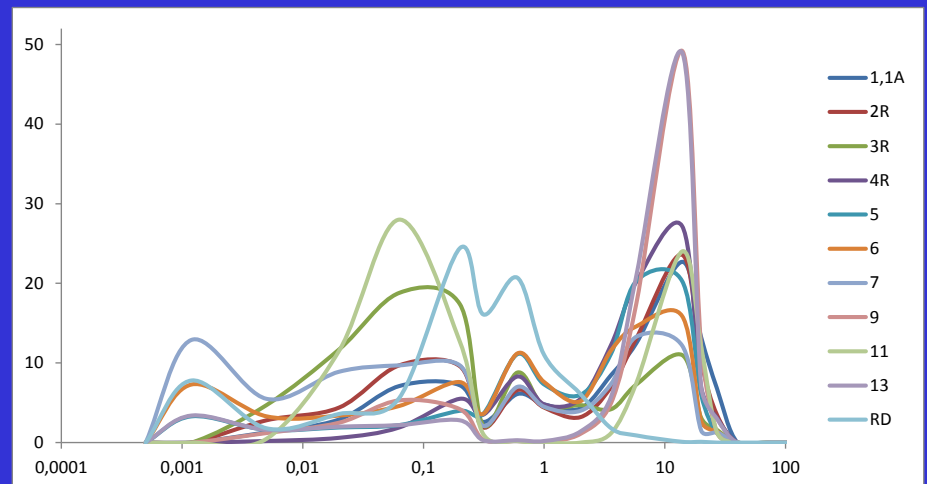
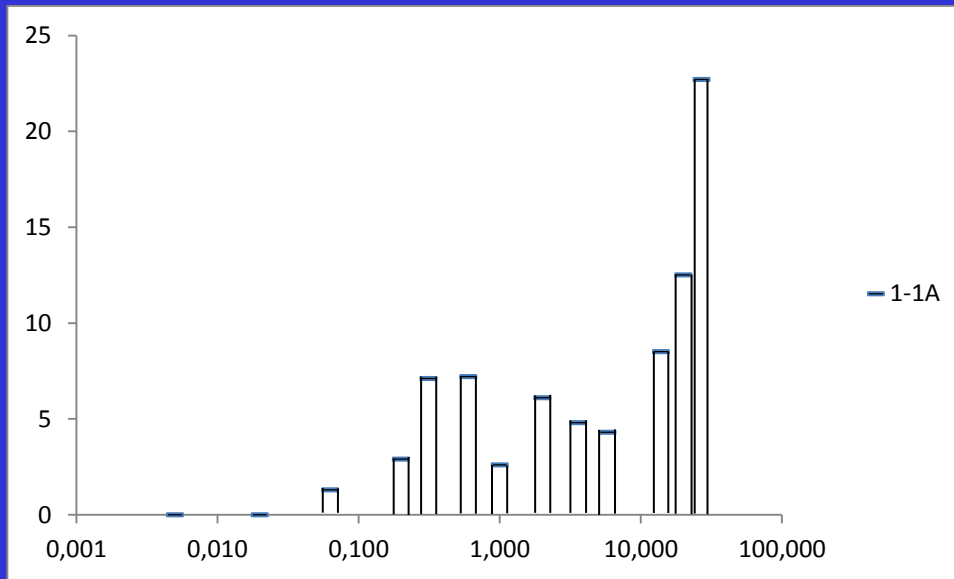
## A five step assessment procedure

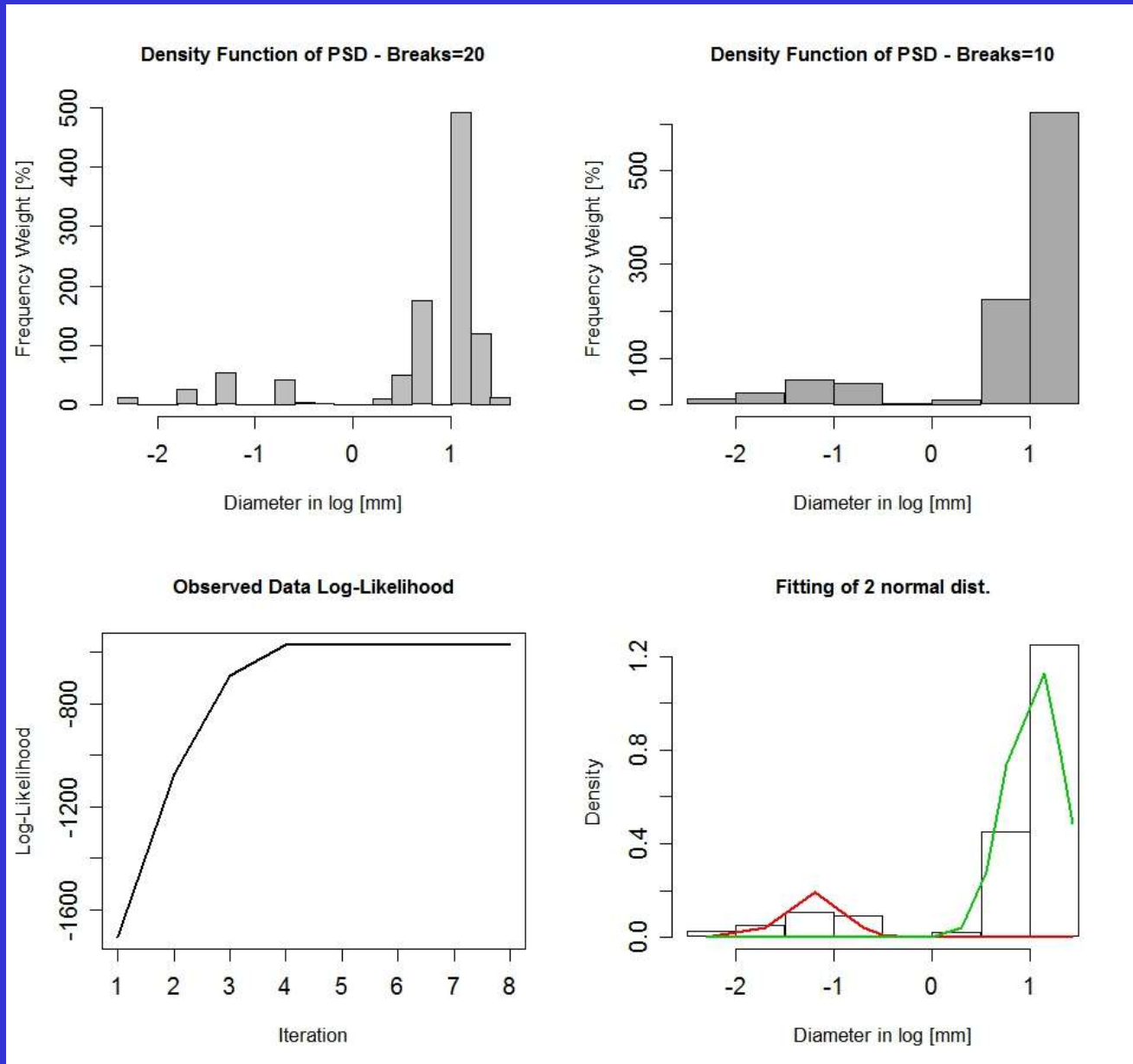


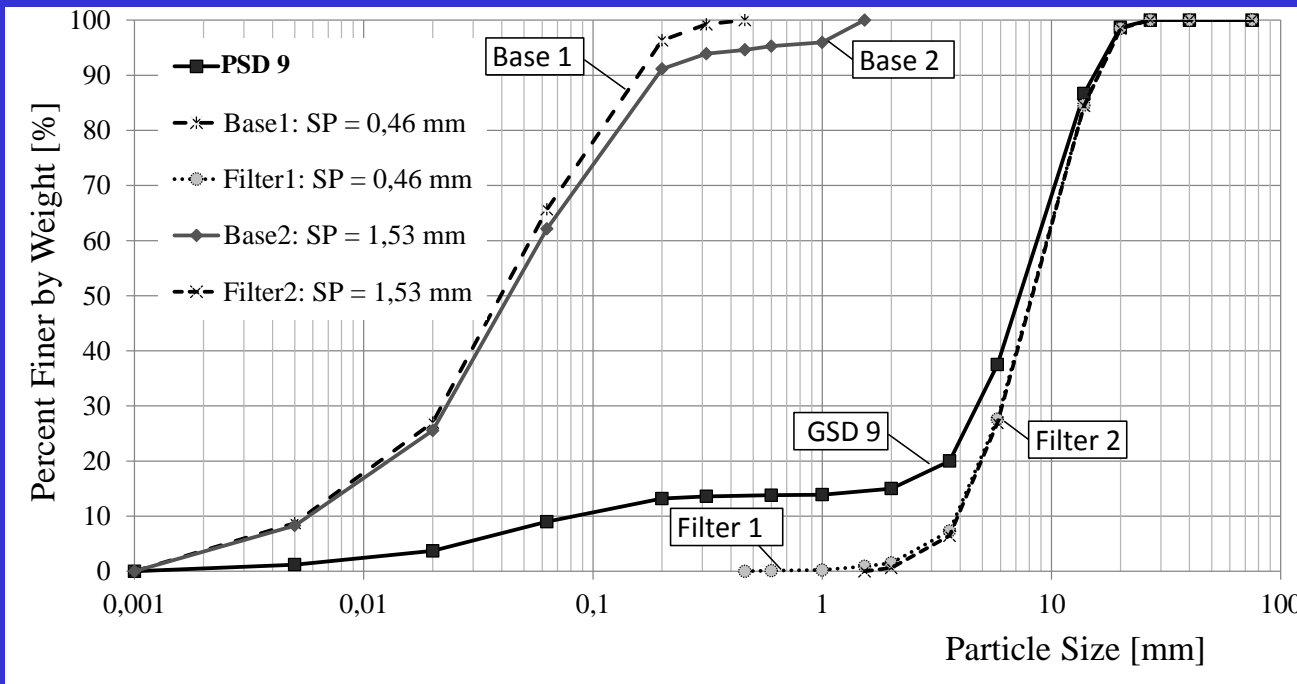
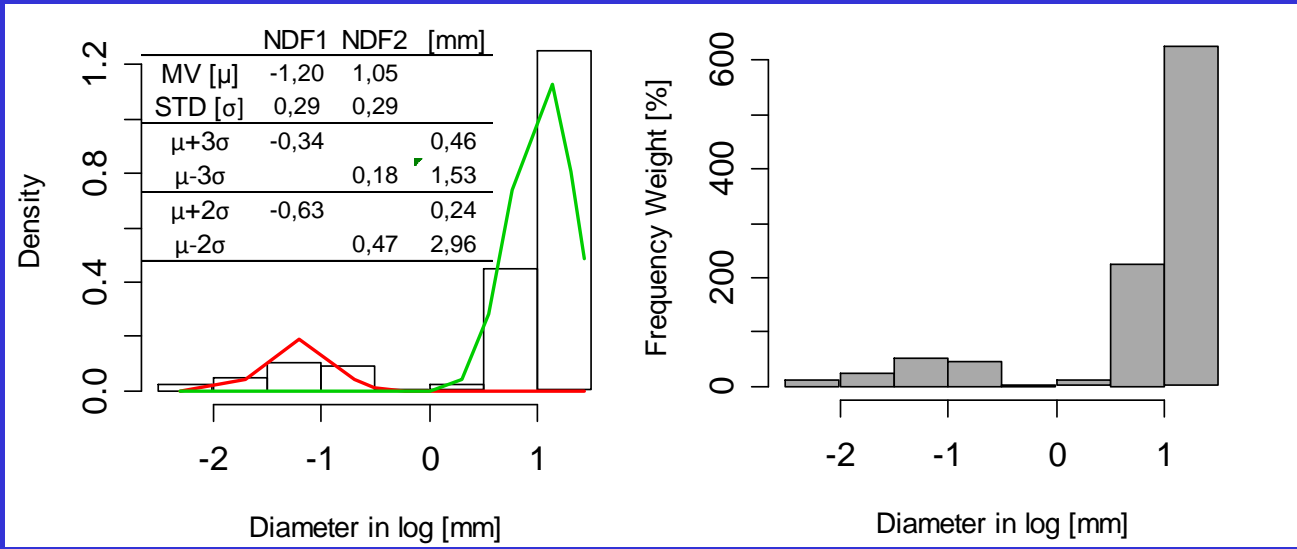
Apply a filter criterion, for instance:

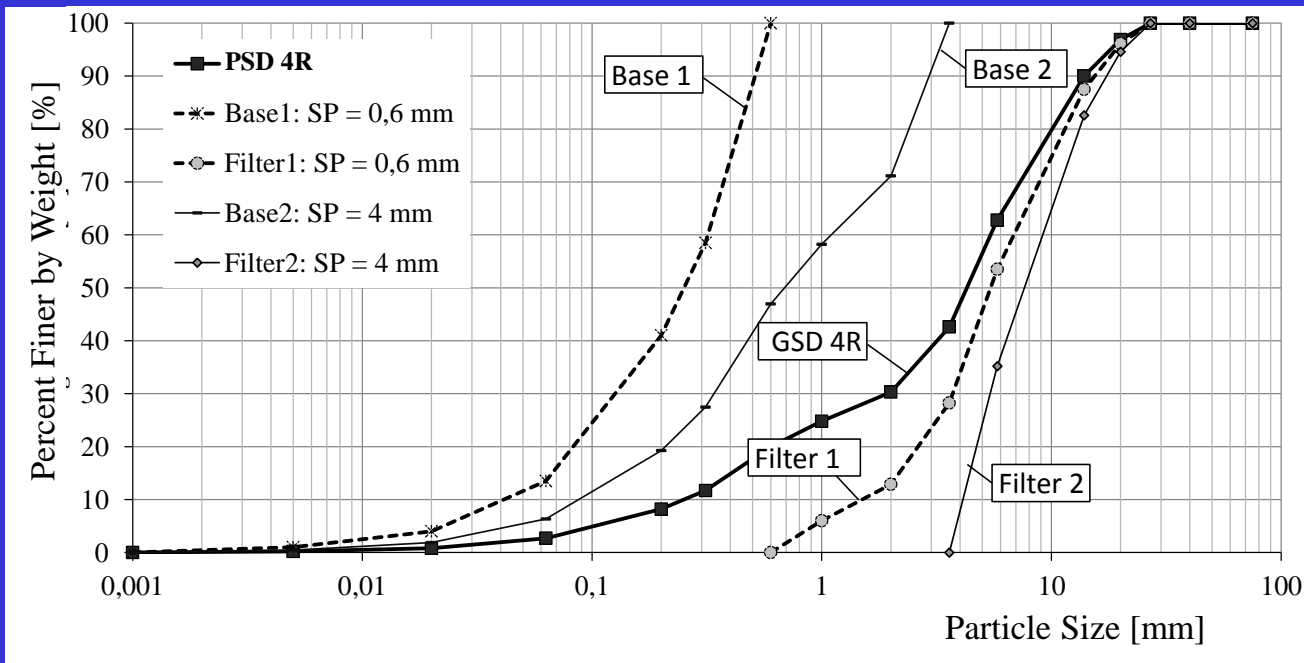
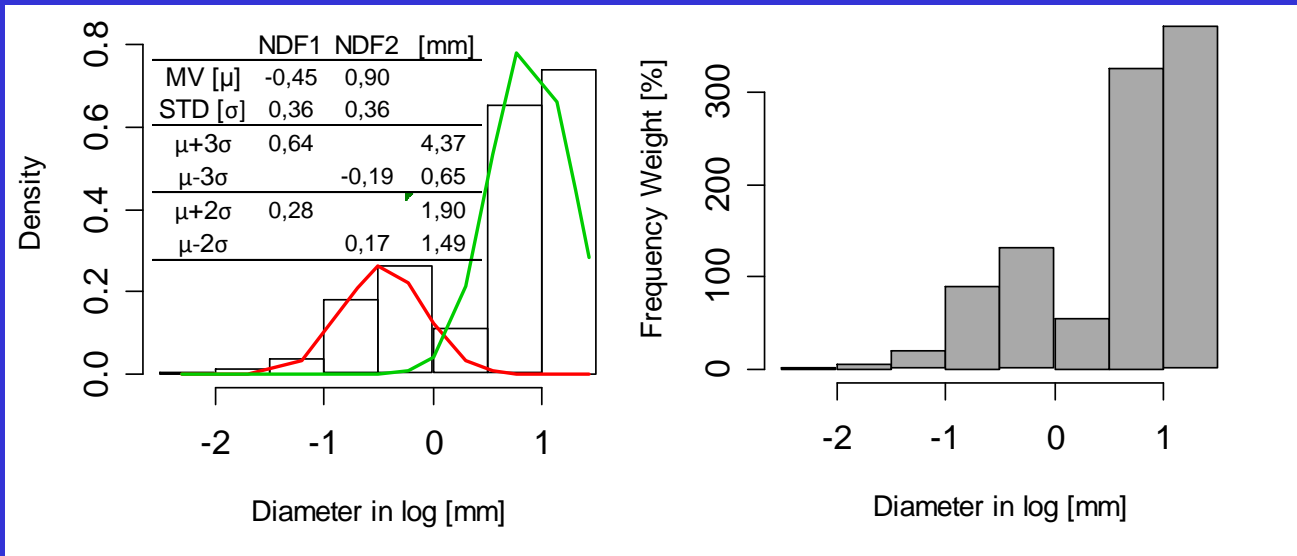
$$d_{15F} \geq 4 \text{ or } 5 \cdot d_{85B}$$











PSD	Sherard (1979)	Kenney and Lau (1984, 1985)	Burenkova (1993)	Wan and Fell (2008)	Authors Assessment
1, 1A	U*	U*	S	S	S
2R	U*	U*	U,M*	S	S
3R	U*	S,M	S	S	S
4R	U*	U*	S	S	S
5**	U*	U*	U,M*	S	S
6**	U*	U*	U,M*	S	S
7**	U*	U*	U*	S	S
RD	U*	U*	S	S	
10	U	S*	U	U	
11	U	U	S	S	
15**	U	U	U	U	U,M
9	U	U	S*	S*	U
13**	U	U	S*	S*	U
14A**	U	U	U	U,M	U
A2	U	U	U	U	U
A3	U	U	U	U	U
B1	U	U	S*	U	U
B2	U	U	U	U	U
C1	U	U	U	U	U
D1	U	U	S*	U	U

**Gap graded below 20%**



S\* U

S: Stable; U:Unstable; M:Marginal; \*:different prediction; \*\*: more than 5% cohesive soil



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