Possible venues for the next interim meeting

Bulgaria – Sofia Buhovo uranium mining and milling site

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Bulgaria is situated in Southern Europe.



Buhovo uranium mining and milling site is situated 15 km north-east from Sofia, the capital of Bulgaria.

Water treatment plant of the uranium mining site "Iskra", Katina



Water contamination

	Activity concentration		
PH	U _{nat} . [mg/l]	²²⁶ Ra [Bq/l]	Gross a [Bq/I]
2.63	0.80 ± 0.08	0.019	10.44 ± 0.13

Sediment

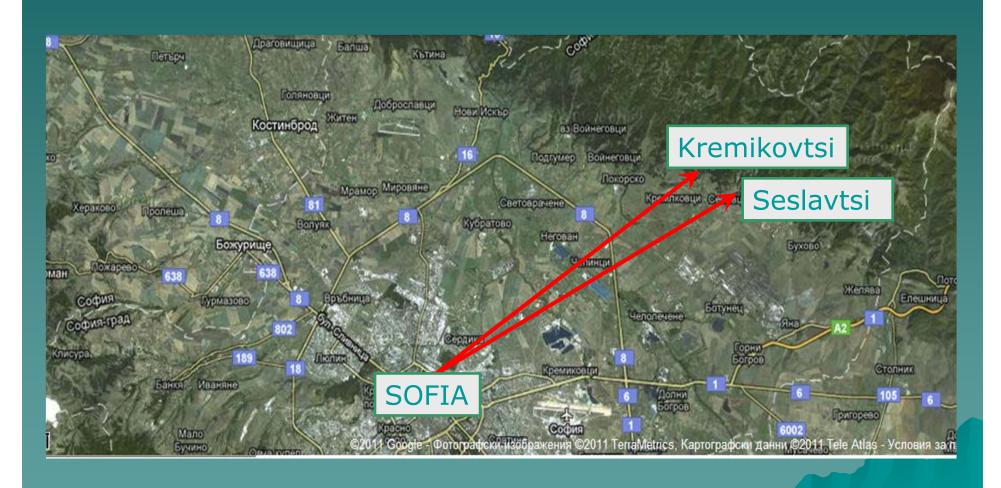
Activity concentration

U _{nat} .	²²⁶ Ra	²³² Th
[mg/kg]	[Bq/kg]	[Bq/kg]
116±8	122±6	15.8±3.4



The polluted water is purified with sorption column

Contaminated water discharged from the horizontal mining facilities



Water contamination in Seslavci

Activity concentration			
U _{nat} . [mg/l] Gross a [Bq/l]			
0.45 ± 0.08	4.3 ± 0.13		

Horizontal facilities in Seslavci



Water contamination in Kremikovtsi

Sampling Place	Unat. [mg/l]	Gross α [Bq/l]
Slough	1.71	5.9
River Kremikovska in village	1.00	3.2
uncertainties (2δ)	20 %	10 %

Horizontal facilities in Kremikovtsi – slough near village



Waste rock piles



Contamination of material from the waste piles

Gama dose rate	²²⁶ Ra concentration
[nGy/h]	[Bq/kg]
1300±150	1110±60

Rain erosion of the waste rock piles - Seslavtsi



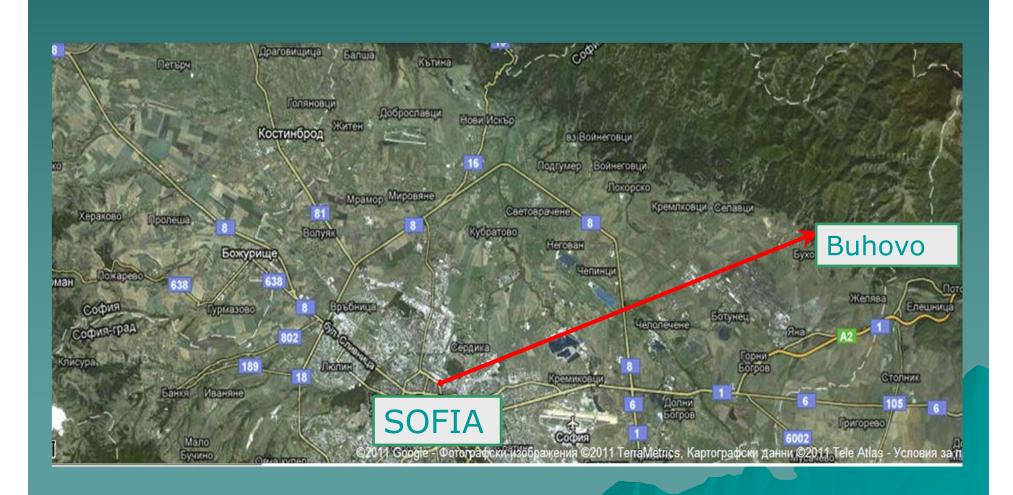
Contamination of material from the waste piles

Gama dose rate	²²⁶ Ra concentration	
[nGy/h]	[Bq/kg]	
700±80	615±36	

Motocross on the waste piles - Buhovo



Uranium milling plant and tailing pond

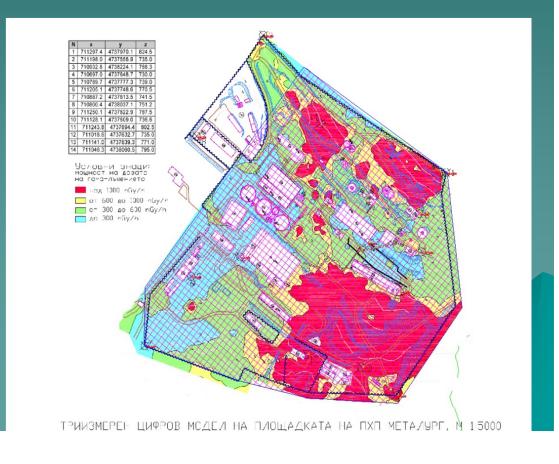


Soil contamination

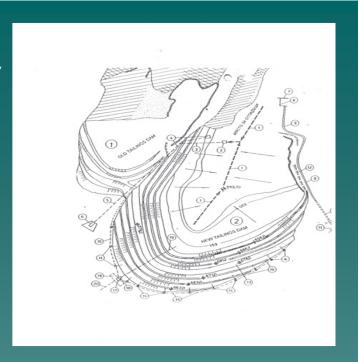
Gama dose rate [nG/h]	²³⁸ U conc. [Bq/kg]	²²⁶ Ra conc [Bq/kg]	
(Max value)	(Max value) (Max value		
3000	527260	19203	

PHP "Metalurg" Buhovo

Approximately - 82 139 m³ contamination area



Tailing pong of PHP "Metalurg" milling plant - Buhovo



Total surface area is 900 acres.

The mass of waste deposited is 8320 tons,

Activity is 1,74.10¹⁵ Bq.



Flood "lana"

Agricultural land

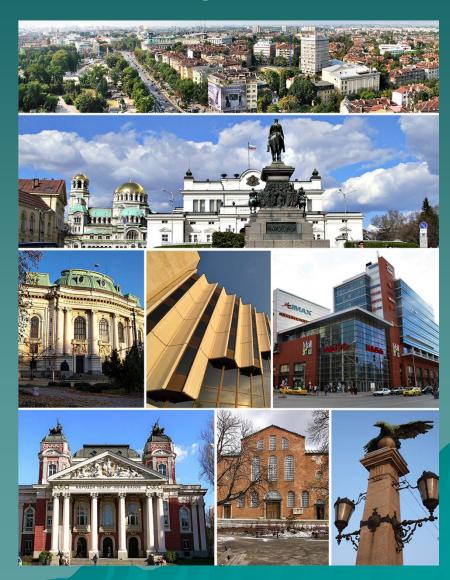




Park in village Iana

Hosting the meeting

Sofia is the capital and the biggest city of Bulgaria. It is located in west part of Bulgaria, at the foot of Vitosha mountain.



Hosting the meeting









Hotel Category	Single room	+ dinner	+dinner & lunch
4 stars	80 euro	90 euro	110 euro
3 stars	30 euro	40 euro	50 euro

