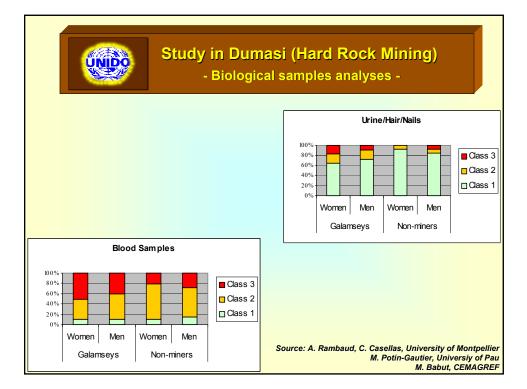


-Biological samples analyses –							
Hg content in	Blood (µg.l ⁻¹)	Urine (µg.l ⁻¹)	Urinary Creatinin (µg.g ⁻¹)	Hair (µg.g ⁻¹)	Nails (µg.g ⁻¹)		
Mean	24.4	23.85	15.54	3.85	3.99		
Maximum	96	252.9	193	44.6	55.7		
Minimum	1	1.1	1	0.39	0.66		
Stand.deviation	16.9	40.3	25.4	4.67	5.44		
Number N	180	102	102	148	161		
Reference for non-exposed population	<10		<5	<2	<2		
Biological limits	15 (BEI)	100 (BAT)	35 (BEI)	10 (WHO)	10 (WHO)		

M. Potin-Gautier, University of Monipeliner M. Babut, CEMAGREF



Study in Dumasi (Hard Rock Mining) - Water and sediment analyses -

Hg content in	Borehole water (µg.l ⁻¹)	Surface water (µg.l ⁻¹)	Well water (µg.l ⁻¹)	Sediments (µg.g ⁻¹)
Mean	0.165	0.28	0.34	13.4
Maximum	0.27	0.76	0.5	93.
Minimum	0.12	0.14	0.18	0.64
Stand.deviation	0.05	0.27	0.23	28
Number N	8	5	2	1(
Threshold level 1	0.07	0.07	0.07	0.1
Threshold level 2	0.7	0.7	0.7	0.2

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Source: A. Rambaud, C. Casellas, University of Montpellier M. Potin-Gautier, University of Pau M. Babut, CEMAGREF

	- Food samples analyses -						
Hg content in	Fish (μg.g ⁻¹) ww	Plantain (μg.g ⁻¹) ww	Cassava / Sugar cane (µg.g ⁻¹) ww	Chicken (µg.g ⁻¹) ww			
Mean	0.93	0.05	0.011	0.045			
Maximum	1.59	0.052	0.018	0.057			
Minimum	0.13	0.047	0.002	0.031			
Stand.deviation	0.41	0.003	0.008	0.012			
Number N	17	2	3	4			
WHO limit for dangerous level	0.5	-	-	-			

