



REGISTRATION SUMMARY

YEAR 2004

Germany :	6	Hungary :	1
Austria :	2	Israel :	1
Belgium :	1	Italy :	5
Brazil :	3	Netherlands :	1
Spain :	2	Poland :	1
USA :	3	Tchek republik :	1
France :	15	Romania :	2
United Kingdom :	11	Slovenia :	2
Greece :	1	Switzerland :	2

60 LABORATORIES

18 COUNTRIES



REGISTRATION BY INTERCOMPARISON

	2001	2002	2003	2004
Registered labs.	63	61	66	60
Tritium	47	50	48	44
<i>Free Tritium</i>	47	50	48	44
<i>organically bound Tritium</i>	25	30	26	25
14 Carbone	30	33	27	32
PF + PA	44	44	51	44
<i>Strontium</i>	35	37	35	34
<i>s γemitters</i>	42	40	46	39
Uranium	43	48	44	38
Actinides in Urine	32	35	38	34
Actinides in fecal ashes	44	42	39	35
<i>Plutonium</i>	38	37	33	34
<i>Transplutoniens</i>	34	38	33	32
<i>Uranium</i>	34	37	33	30
<i>Thorium</i>	25	29	23	22
Surprise Urine	32	34	29	29
Exer.per lab.	4,3	4,7	4,2	4,3



TECHNICAL ABSTRACT

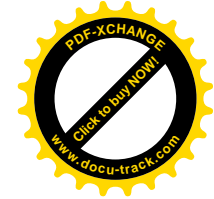
YEAR 2004

EXERCISES	REGISTRED LABS.	ANSWERS
FreeTritium in urine	44	42
OBT in urine	25	24
14 Carbone in urine	32	30
Strontium in urine	34	30
γ emitters in urine	39	38
Uranium in urine	38	36
Actinides in urine	34	31
Plutonium in fecal ashes	34	34
Transplutonians in fecal ashes	32	30
Uranium in fecal ashes	30	27
Thorium in fecal ashes	22	14
« Surprise » Urine	29	27

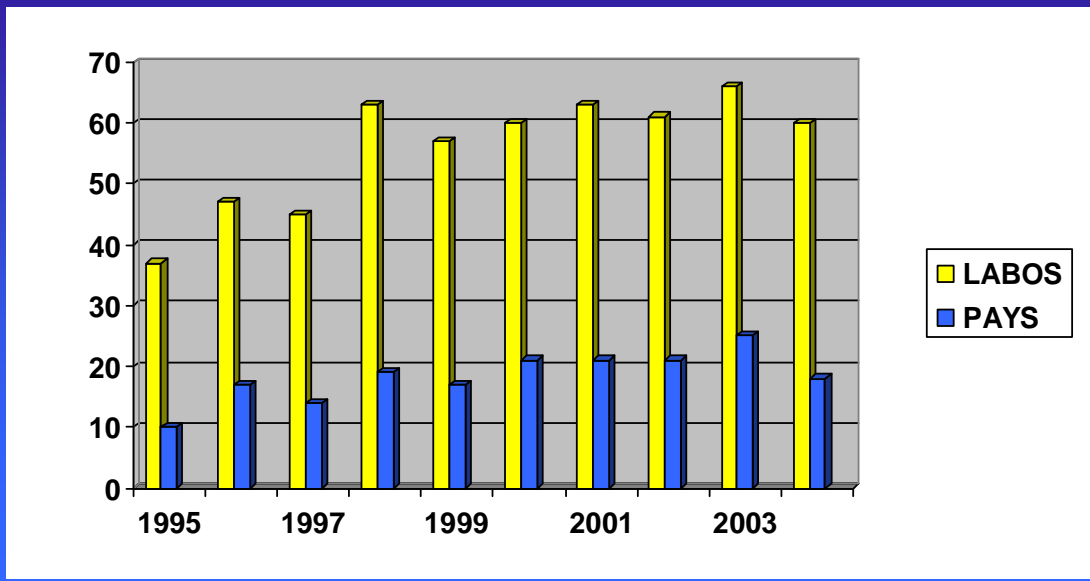


MEMBERS

	1998	1997	1999	2000	2001	2002	2003	2004
F	33	30	36	32	32	31	38	34
≠ F	82	35	81	83	90	89	94	84
Σ	115	65	117	115	122	120	132	118



PARTICIPATION





TECHNICAL ABSTRACT

SYNTHESIS TABLE

ANALYSIS	MEAN BIAS VS REFERENCE VALUE	BIAS MAX. VS REFERENCE VALUE	"TOP" LABS .	TECHNICAL INFORMATIONS RECEIVED.
Tritium / urine	$\pm 5,0 \%$	$\pm 5,0 \%$	7	6
OBT in urine	$\pm 5,0 \%$	$\pm 10,0 \%$	1	1
Carbone 14 / urine	$\pm 2,5 \%$	$\pm 5,0 \%$	10	9
Strontium / urine	$\pm 5,0 \%$	$\pm 5,0 \%$	4	3
Em. $\gamma > 100 \text{ keV}$ / urine	$\pm 5,0 \%$	$\pm 5,0 \%$	3	2
U. per weight/ urine	$\pm 5,0 \%$	$\pm 5,0 \%$	3	2
U. per radioch. / urine	$\pm 2,5 \%$	$\pm 10,0 \%$	2	1
Plutonium / urine	$\pm 2,5 \%$	$\pm 10,0 \%$	2	2
Transplutonians / urine	$\pm 2,5 \%$	$\pm 10,0 \%$	3	1
Référence solution Pu	$\pm 1,0 \%$	$\pm 5,0 \%$	8	6
TransU / Fecal ashes	$\pm 5,0 \%$	$\pm 10,0 \%$	3	1
Uranium / Fecal ashes	$\pm 10,0 \%$	$\pm 10,0 \%$	6	5
Thorium / Fecal ashes	$\pm 10,0 \%$	$\pm 10,0 \%$	0	0

39 Technical protocols received for 52 selected labs. (75%)

