As it can be seen, although the deviations are not very significant, in general, a necessity of adjusting the study results was founded and therefore the adjustment coefficient were defined and applied as explained in chapter 2.3.1.2.

5.7 Annex 7: Accuracy of the results

In order to estimate the significance of the data obtained, the accuracy level has been calculated, using the formula for the determination of the sample's size,

$$ n = \frac{N * Z_\alpha^2 p * q}{d^2 * (N-1) + Z_\alpha^2 * p * q} $$

Where,

- N = Total population

- Z_α^2 = 1.962 (for confidence interval of 95%)

- p = margin (for unknown margin ranges, p=0,50 (50%))

- q = 1 – p = 0,50

- d = accuracy

The following table presents the number of valid replies per countries, after the in-depth analysis (outliers), the number of researchers per country as defined by Eurostat, and the calculated value of d (accuracy).

Four categories of countries results have been established:

- Excellent: accuracy level <5%

- High: 5%< accuracy level<10%

- Medium: 10%< accuracy level<15%

- Low: accuracy level >15%

Those categories have established the **reliability** and **consistency** of the results. Countries with low accuracy have a less significant sample size than the other categories so their results must be carefully analysed since the number of responses taken into account does not provide the minimum accuracy level demanded in this type of studies.

Accuracy of the replies obtained from the survey carried out by CARSA (2006, Total survey population N=6190)				
Country	Valid replies per country	Number of researchers per country (1)	d (2)	Accuracy Level
Latvia	7	8.002	0,37027	Low
Malta	18	975	0,22896	
Iceland	18	5.466	0,23063	
Luxembourg	22	4.135	0,20841	
Israel	25	30.700	0,19592	
Cyprus	45	2.102	0,14455	Medium
Estonia	46	7.600	0,14406	
Bulgaria	52	17.400	0,13570	
Slovenia	56	12.501	0,13067	
Switzerland	64	68.465	0,12244	
Austria	78	65.725	0,11090	
Czech Republic	78	55.699	0,11089	
Lithuania	95	14.534	0,10022	
Turkey	96	79.958	0,09996	High
Netherlands	105	122.250	0,09560	
Romania	110	39.985	0,09331	
Greece	115	57.257	0,09129	
Poland	121	126.241	0,08905	
Sweden	125	108.146	0,08760	
Croatia	144	17.216	0,08133	
Denmark	153	61.809	0,07913	
Belgium	161	73.763	0,07715	
Slovakia	176	20.928	0,07356	
Hungary	187	48.681	0,07153	
Norway	195	51.175	0,07005	
Finland	202	74.773	0,06886	
Ireland	217	25.704	0,06625	
France	435	415.061	0,04696	Excellent
Portugal	535	44.036	0,04211	
United Kingdom	586	163.000	0,04041	
Spain	617	249.969	0,03940	
Italy	639	249.782	0,03872	
Germany	667	664.731	0,03793	

(1) Data of researchers in the different countries are extracted from Eurostat ("Science and technology in Europe-Statistical pocketbook", 2006).

(2) d represents the accuracy calculated through the formula for the determination of the sample's size.

SOURCES: Data for Switzerland are extracted from the Swiss Federal Statistical Office, data for Israel from the Central Bureau of Statistics of Israel, and data for United Kingdom from the Office for National Statistics.

Liechtenstein has not been included in the table: No answers received.

Table 36 – Accuracy of the survey results

5.8 Annex 8: Complete study Results: Tables and figures

5.8.1   SI1: Total Number of responses

In this annex are presented the results of SI1: Total number of responses. It presents the final sample of responses (6.190, including Marie Curie researchers), classified as follows:

- o SI1.1:% distribution per country (QC: response to question 1 of the questionnaire)

Country	Valid replies per country	Marie Curie replies	Total
Austria	77	1	78
Belgium	159	2	161
Bulgaria	52	0	52
Croatia	144	0	144
Cyprus	43	2	45
Czech Republic	78	0	78
Denmark	151	2	153
Estonia	46	0	46
Finland	201	1	202
France	428	7	435
Germany	646	21	667
Greece	113	2	115
Hungary	187	0	187
Iceland	18	0	18
Ireland	213	4	217
Israel	25	0	25
Italy	627	12	639
Latvia	7	0	7
Lithuania	94	1	95
Luxembourg	22	0	22
Malta	18	0	18
Netherlands	104	1	105
Norway	195	0	195
Poland	120	1	121
Portugal	532	3	535
Romania	110	0	110
Slovakia	176	0	176
Slovenia	56	0	56
Spain	614	3	617
Sweden	122	3	125
Switzerland	64	0	64
Turkey	96	0	96
United Kingdom	572	14	586
TOTAL	**6110**	**80**	**6190**

Table 37 – Distribution of the total number of replies (N=6190) per country, including the total number of Marie Curie replies