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STATISTICS ON TECHNOLOGICAL RESEARCH AND DEVELOPMENT ACTIVITIES (R&amp;D)

Year 2001

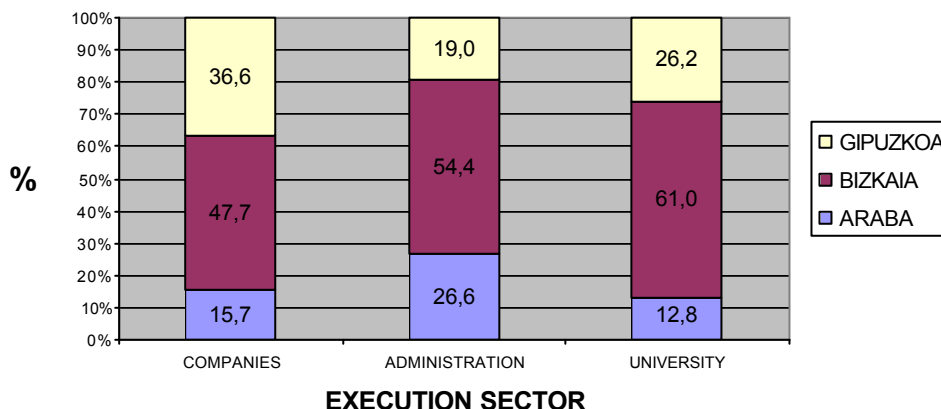
## EXPENDITURE ON R&D WITH REGARD TO GDP IN GIPUZKOA (1.54%) HIGHER THAN BIZKAIA (1.49%) AND ALAVA (1.40%) IN 2001

Private funding of resources dedicated to R&D in companies in the three provinces reaches the same level as countries such as the USA, Switzerland and Sweden.

In the year 2001 a total of 619 million euros was invested in the A.C. of the Basque Country on Scientific Research and Technological Development (R&D) activities. Of this expenditure, 311 million (50.2%) corresponded to Bizkaia, 213 to Gipuzkoa (34.3%) and 95 to Alava (15.5%), according to provincial data provided by the Eustat for the first time. Nevertheless, if we compare R&D expenditure with regard to the GDP of the Provinces, we can see the highest amount is allocated by Gipuzkoa with 1.54%, Bizkaia reaches 1.49% and the figure for Alava is 1.40%.

The figure of 1.5% expenditure on R&D with regard to GDP marks the border between countries that make a considerable effort in research from those that make low level investment, thus, Bizkaia and Gipuzkoa reach the level of countries such as Germany, France, Denmark, the UK, Norway, Austria, Iceland and Canada.

### EXPENDITURE ON R&D. 2001.



Source: EUSTAT

With regard to execution sectors, each Province presents different peculiarities. In Alava the weight of the public administration sector is more important, due to the concentration of different bodies dependent on the administration, lower expenditure on companies and the low weight of the university.

In Gipuzkoa, however, the sector with the lowest expenditure is the administration, but spending rises significantly in the company sector, as a consequence of the specific company fabric, and

a high level is maintained in the university sector, due to the high proportion of technological faculties.

With regard to Bizkaia, expenditure in all sectors is high, but the university sector stands out, mainly because the Science Faculties of the University of the Basque Country are concentrated in the Leioa campus.

The scientific discipline on which the highest expenditure takes place and employs the most personnel in all the provinces is engineering and technology; the highest contribution corresponds to Gipuzkoa, where the figure reaches 85.2% with regard to total expenditure on R&D; Alava, with 82%, is in second place, while in Bizkaia this discipline accounts for 74.5% of expenditure on R&D.

From the point of view of the kind of expenditure, of the 78 million of capital spending carried out in the A.C. of the Basque Country, 46% corresponded to Gipuzkoa, especially in companies and universities, compared with 40% in Bizkaia and 14% in Alava.

The importance of private finance (66%) places all the provinces above the state average (47.2%) and at the level of countries such as the USA, Switzerland and Sweden in relation to resources assigned by companies to research.

With regard to participation by women in R&D activities, 29% of all the personnel in Alava and Bizkaia are women, 24% in Gipuzkoa. Both percentages are lower than the state average, which is 33%, basically due to their low presence in the company sector.


#### PROVINCIAL R&D INDICATORS

	<u>Alava</u>	<u>Bizkaia</u>	<u>Gipuzkoa</u>	<u>AC of Basque C.</u>	<u>SPAIN</u>	<u>EUROPEAN UNION-15</u>
	2001	2001	2001	2001	2001	2000
<b>EXPENDITURE R&amp;D (%)</b>						
of GDP	1.40	1.49	1.54	1.49	0.96	1.93
<b>EXPENDITURE R&amp;D (%)</b>						
<b>ACC. TO FINANCE</b>						
Companies	70.7	63.3	67.7	66.0	47.2	55.5
Administration	26.9	26.7	26.4	26.6	39.9	35.0
Other sources	0.0	0.1	0.2	0.1	5.2	2.2
Abroad	2.4	10.0	5.6	7.3	7.7	7.3
<b>PERSONNEL IN R&amp;D</b>						
<b>E.D.P. (*)</b>						
Total personnel	1,454	5,274	3,893	10,621	125,750	1,716,637
Researchers	705	3,102	2,002	5,809	80,081	919,318

(\*) E.D.P.: Equivalent to full time dedication

**Source: A.C. of the Basque Country and Provinces: EUSTAT**  
**Spain: INE**  
**European Union: EUROSTAT**

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