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FINANCIAL RESOURCES FOR RESEARCH AND INNOVATION

Finding the economic resources, whether competitive or non-competitive, obtained by Catalan public universities, is one of the main indicators when analysing research and innovation activity.

The first data to be highlighted is a decrease of 20% in all the economic resources for R&D obtained by universities in 2011 (€277 million) in comparison with 2010 (€347 million). This 20% decrease is reflected with the same magnitude on the average income obtained per researcher (full-time equivalent) in 2011 (€37,575) compared to those obtained per researcher in 2010 (€46,693).

If the entire resources obtained are broken down, the funds obtained by competitive means in 2011 (€201 million) represent 72% of the total, while non-competitive funds (€76 million) represent 28%. This information shows that universities have a greater dependence on competitive funds. In fact, non-competitive resources were reduced by 40% on the previous year. On the other hand, competitive funds have only decreased by 9%. This difference lies, in part, in the fact that despite the constant decrease of economic funding in both national and state programmes to promote research and innovation as well as in private investment in R&D, Catalonia as a region continues to be highly competitive in obtaining European funds for R&D. Catalonia comes in second place within Spain, with €660 million obtained for the 2007-2011 period (28.7% of the total). This high competitiveness of the Catalan system can be found in the university area where, in 2011, the €48 million which came from European funds (the same as for 2010) represented 24% of the resources obtained competitively.

In this subsection of European funds, we would highlight the results obtained by Catalonia in the European Research Council (ERC) programmes, situating it in front of countries such as France or Germany in the call addressed at young researchers (Starting Grants) with an average of 1.06 concessions per million inhabitants, as well as the call aimed at the Proof of Concept, with 0.13 per million inhabitants.

1.1 PUBLIC FUNDING OF RESEARCH

Figure 1. Competitive and non-competitive funding by university and percent of annual budget, 2011.

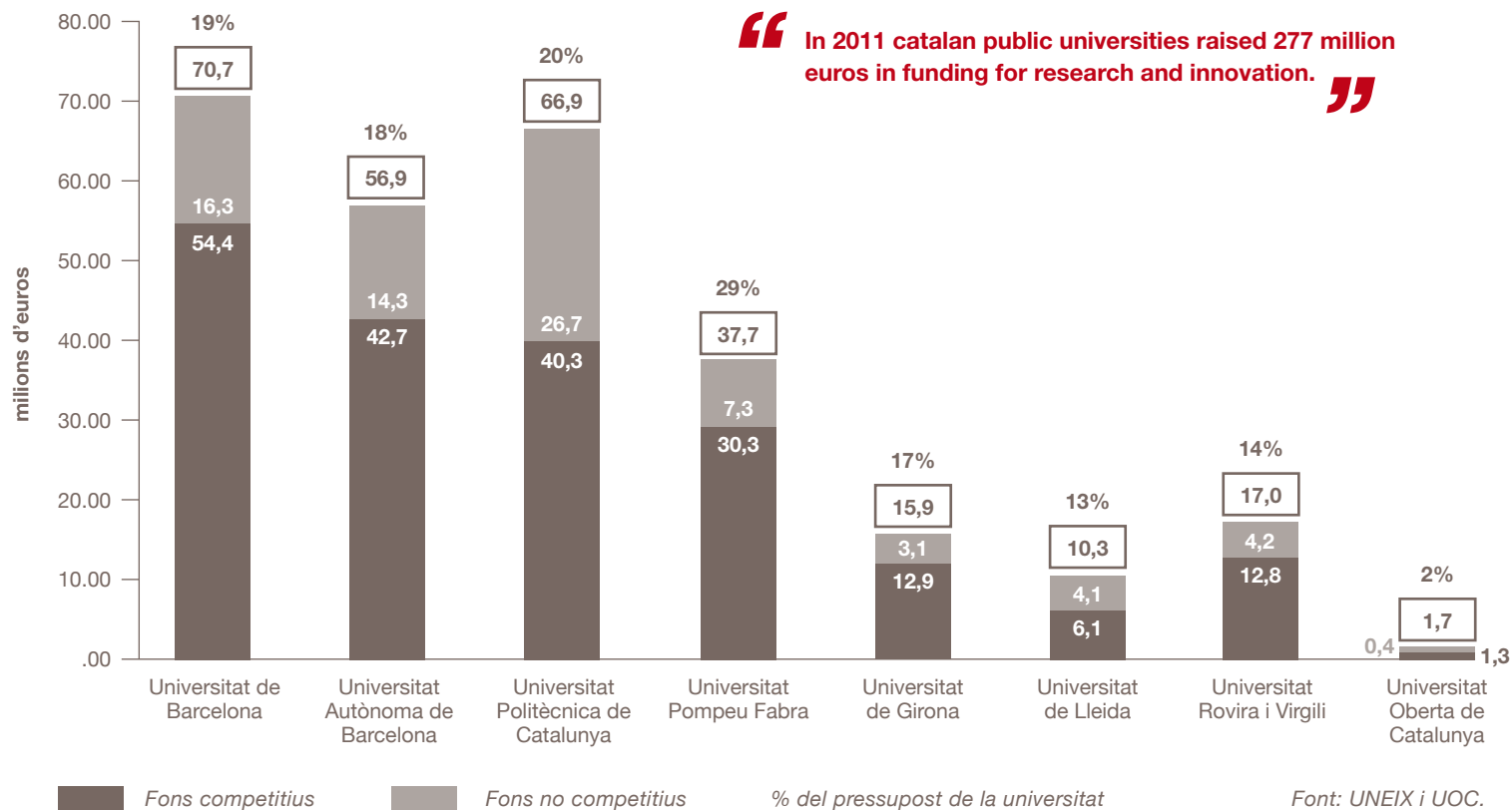
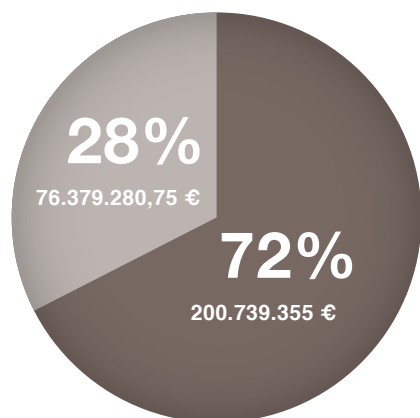


Figure 2. Competitive and non-competitive funding of Catalan public universities, 2011.

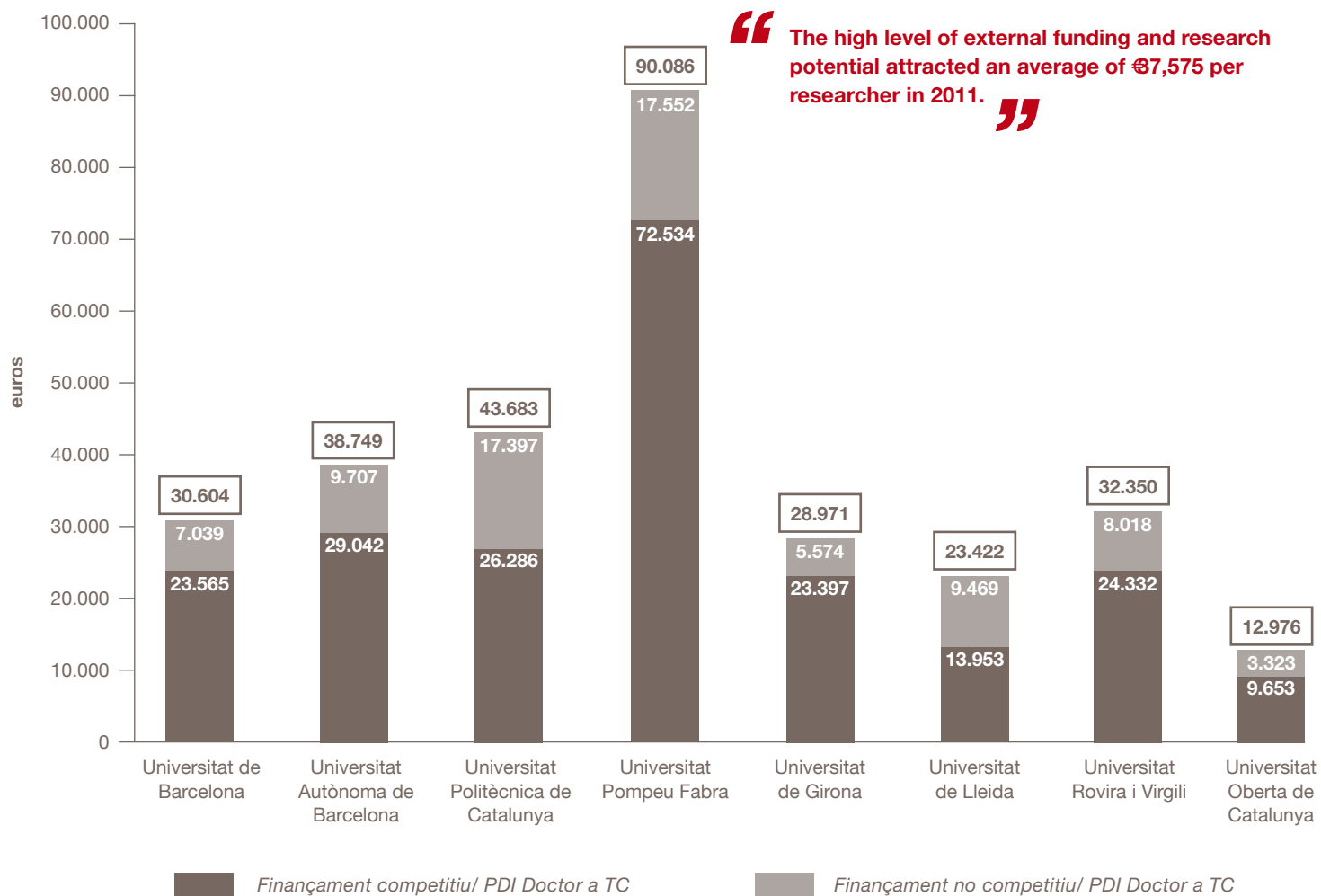


Font: UNEIX i UOC.

“ 72% of funding acquired by Catalan public universities comes from competitive calls for proposals. ”

Recursos totals R+D competitius
 Recursos totals R+D no competitius

Figure 3. Resources obtained for R&D&i as a proportion of doctoral teaching and research staff, 2011.



Font: UNEIX i UOC.

Table 1. Sources of competitive funding of Catalan public universities, 2011.

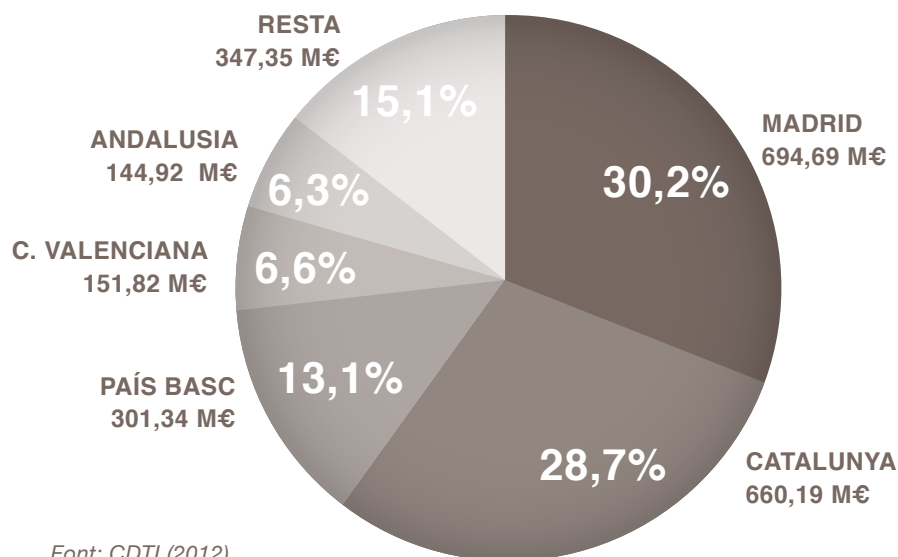
Universitat	Fons autonòmics i estatals		Fons europeus		TOTAL
	Import (€)	%	Import (€)	%	Import (€)
Universitat de Barcelona	48.382.590	89%	6.052.817	11%	54.435.407
Universitat Autònoma de Barcelona	32.281.753	76%	10.380.552	24%	42.662.305
Universitat Politècnica de Catalunya	28.474.584	71%	11.795.019	29%	40.269.603
Universitat Pompeu Fabra	17.616.730	58%	12.702.392	42%	30.319.122
Universitat de Girona	9.058.553	70%	3.810.058	30%	12.868.611
Universitat de Lleida	5.307.909	87%	803.668	13%	6.111.577
Universitat Rovira i Virgili	9.880.359	77%	2.918.183	23%	12.798.542
Universitat Oberta de Catalunya	938.630	74%	335.556	26%	1.274.186
TOTAL	151.941.108	76%	48.798.246	24%	200.739.355

Font: UNEIX i UOC.

“ 24% of competitive funding comes from Europe, a figure in line with international standards. ”

1.2 THE CATALAN SYSTEM IN THE EUROPEAN CONTEXT

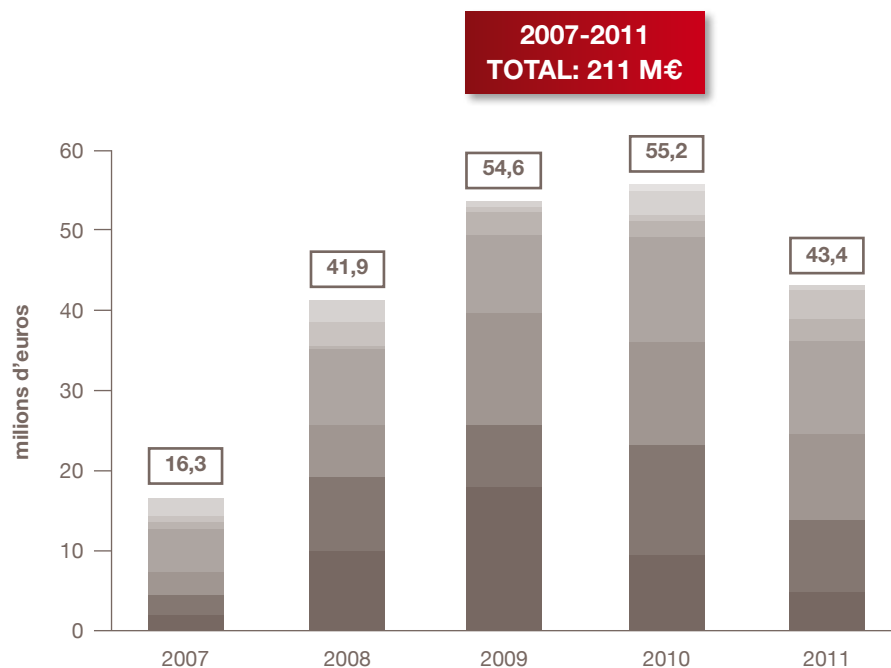
Figure 4. 7th Framework Programme subsidies by autonomous community, 2007-2011.



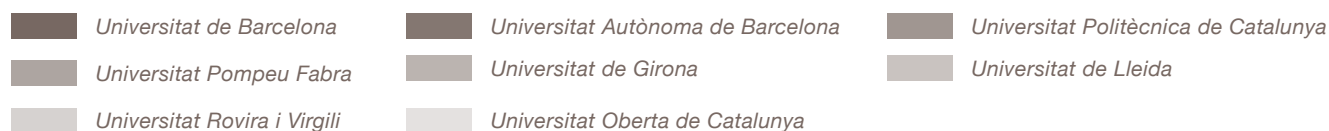
Font: CDTI (2012).

“ During the 2007-2011 period, Catalonia raised funds for a total of €660 M through the FP7. ”

Figure 5. 7th Framework Programme funding by university, 2007-2011.



Font: UNEIX i UOC



Convocatòries de l'European REsearch Council (ERC)

Figure 6. Concession per million inhabitants corresponding to the Proof of Concept 2011 Calls for Proposals.

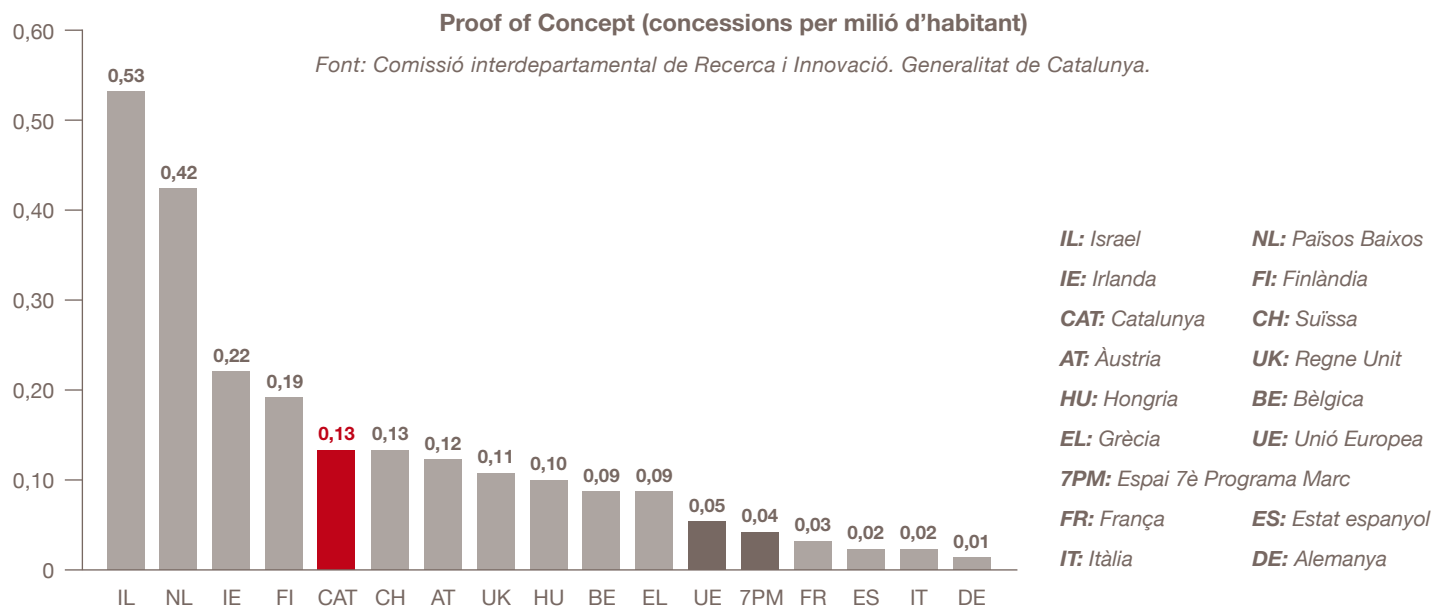
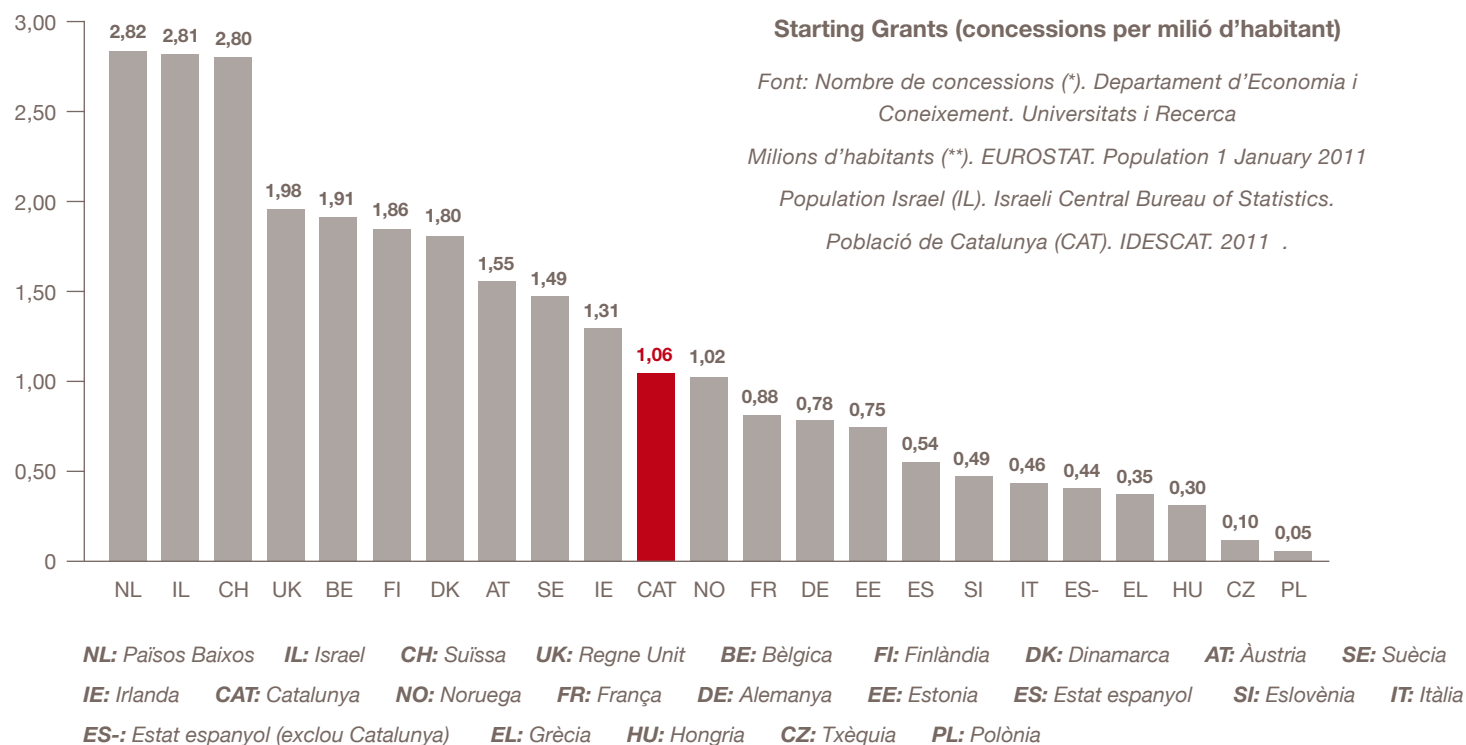
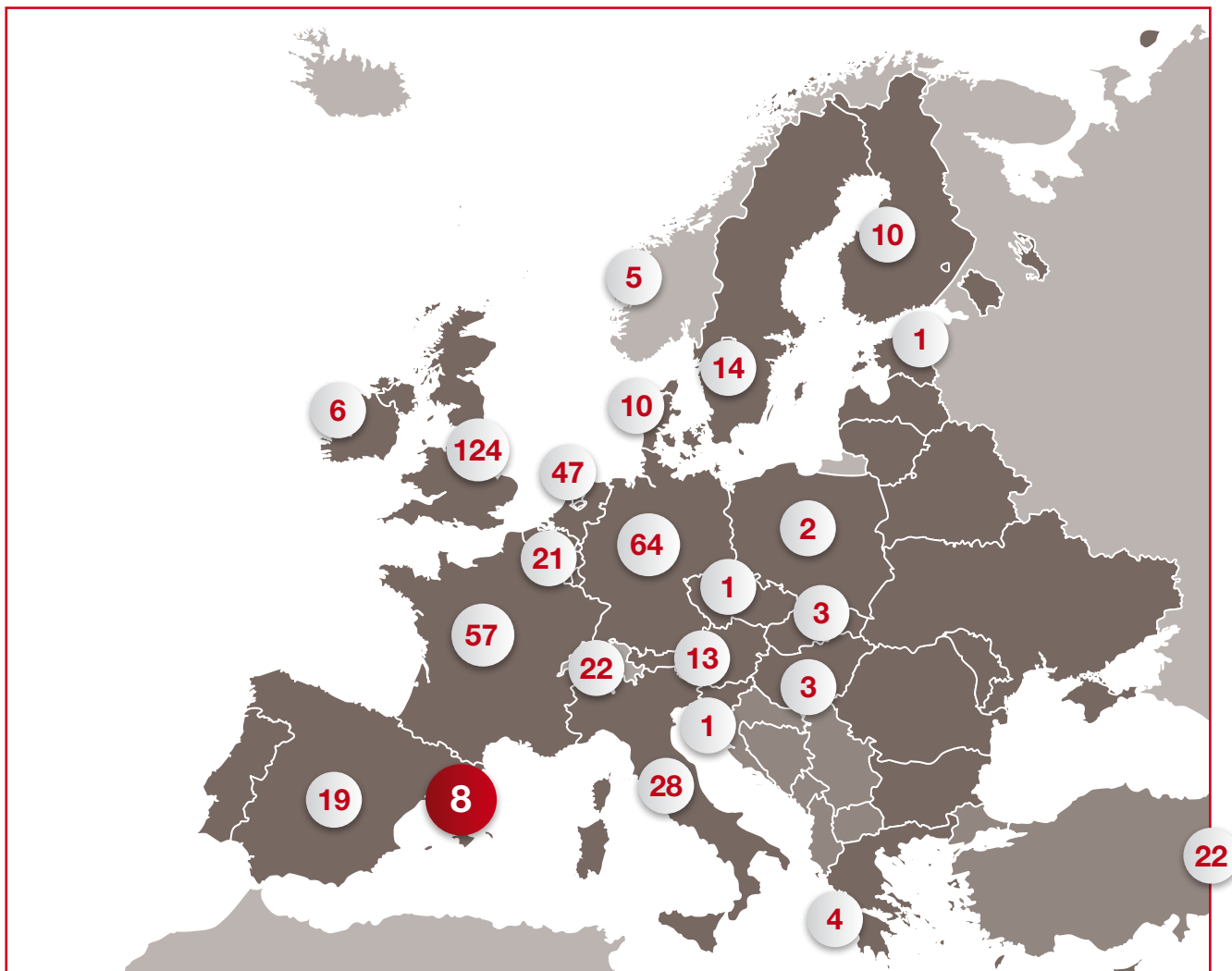


Figure 7. Concession per million inhabitants corresponding to the Starting Grants 2011 Calls for Proposals.



Map 1. Concession ERC grants (Starting Grants) by country, 2011.



Font: European Research Council.

“ In 2011, Catalonia received eight ERC concessions aimed at young researchers. ”