

# Star Clusters in Spain

Center for Strategy and Competitiveness, CSC

Stockholm School of Economics

April 2011

This report presents the strongest regional clusters in Spain according to the European Cluster Observatory star rating. In total, there are 151 clusters in Spain that have received at least one star. (Data source for manufacturing in Spain: Instituto Nacional de Estadística, 4-digit NACE Rev. 2.0, 2008, for the rest of the Spanish data: Eurostat, Luxembourg, 3-digit NACE Rev. 1.1, 2005)

## Methodology

The amount and quality of knowledge circulating and spilling over between firms, located in a cluster, is dependent upon the cluster's size, the degree to which it is specialised and the extent to which the locality (the region) is focused upon production in the relevant industries comprising the cluster. The European Cluster Observatory shows the extent to which clusters have achieved this specialised critical mass by employing measures of these three factors as described below, and assigning each cluster 0, 1, 2 or 3 Stars depending on how many of the below criteria are met.

- Size Star: if employment reaches a sufficient share of total European employment, it is more likely that meaningful economic effects of clusters will be present. The size measure shows whether a cluster is in the top 10% of all clusters in Europe within the same cluster category in terms of the number of employees.
- Specialisation Star: if a region is more specialised in a specific cluster category than the overall economy across all regions, this is likely to be an indication that the economic effects of the regional cluster have been strong enough to attract related economic activity from other regions to this location, and that spill-overs and linkages will be stronger. The specialisation measure compares the proportion of employment in a cluster category in a region over the total employment in the same region, to the proportion of total European employment in that cluster category over total European employment. The measure needs to be at least 2 to receive a star.
- Focus Star: if a cluster accounts for a larger share of a region's overall employment, it is more likely that spill-over effects and linkages will actually occur instead of being drowned in the economic interaction of other parts of the regional economy. The focus measure shows the extent to which the regional economy is focused upon the industries comprising the cluster category and relates employment in the cluster to total employment in the region. The top 10% of clusters which account for the largest proportion of their region's total employment receive a star.

For more information please contact: Sergiy Protsiv ([info@clusterobservatory.eu](mailto:info@clusterobservatory.eu))

## STAR CLUSTERS IN SPAIN

### Galicia

Industry	Stars	Employees
Farming and animal husbandry	★★★	33 791
Maritime	★★★	40 100
Construction	★★	69 713
Construction materials	★★	6 843
Stone quarries	★★	2 758
Apparel	★	17 030
Transportation and logistics	★	29 754

### Asturias

Industry	Stars	Employees
Construction	★★	31 997
Farming and animal husbandry	★★	11 389
Maritime	★	4 099
Metal manufacturing	★	12 101

### Cantabria

Industry	Stars	Employees
Farming and animal husbandry	★★	7 405
Construction	★	17 377
Maritime	★	4 578
Metal manufacturing	★	7 218

### País Vasco

Industry	Stars	Employees
Metal manufacturing	★★★	60 301
Maritime	★★	6 362
Power generation and transmission	★★	3 987
Construction	★	44 769
Financial services	★	24 944
Production technology	★	16 236

### Navarra

Industry	Stars	Employees
Automotive	★★	12 203
Construction	★	18 372
Farming and animal husbandry	★	6 309
Metal manufacturing	★	10 874
Processed food	★	10 657

### La Rioja

Industry	Stars	Employees
Agricultural products	★★	4 596
Farming and animal husbandry	★★	3 501
Construction	★	10 118
Footwear	★	2 515
Processed food	★	5 336

### Aragón

Industry	Stars	Employees
Automotive	★★	15 733
Agricultural products	★	7 251
Construction	★	35 121
Farming and animal husbandry	★	12 126
Tobacco	★	1 420

## Madrid

Industry	Stars	Employees
Business services	★★	97 030
Construction	★★	168 055
Financial services	★★	112 091
Telecom	★★	73 781
Transportation and logistics	★★	78 456
Aerospace	★	7 214
Biotech	★	1 319
Distribution	★	23 838
Education and knowledge creation	★	52 666
Entertainment	★	20 495
Heavy Machinery	★	8 326
IT	★	28 682
Maritime	★	5 109
Media and publishing	★	48 316
Medical devices	★	5 259
Pharmaceuticals	★	13 702
Tourism and hospitality	★	44 375

## Castilla y León

Industry	Stars	Employees
Farming and animal husbandry	★★★	30 044
Agricultural products	★★	13 251
Construction	★★	79 554
Stone quarries	★★	1 690
Construction materials	★	3 751
Processed food	★	32 907

## Castilla-La Mancha

Industry	Stars	Employees
Construction	★★★	73 512
Agricultural products	★★	13 345
Farming and animal husbandry	★★	19 609
Tobacco	★★	3 219

## Extremadura

Industry	Stars	Employees
Farming and animal husbandry	★★★	17 015
Construction	★★	32 555
Tobacco	★★	2 482
Agricultural products	★	7 801

## Cataluña

Industry	Stars	Employees
Construction	★★	182 599
Financial services	★★	90 445
Pharmaceuticals	★★	26 560
Transportation and logistics	★★	89 786
Agricultural products	★	26 202
Apparel	★	22 706
Automotive	★	44 530
Building fixtures, equipment and services	★	33 974
Chemical products	★	19 024
Construction materials	★	5 672
Distribution	★	35 564
Education and knowledge creation	★	48 717
Entertainment	★	20 417

Farming and animal husbandry	★	22 865
Heavy Machinery	★	12 570
IT	★	22 811
Jewellery and precious metals	★	1 641
Leather products	★	1 629
Lighting and electrical equipment	★	6 856
Maritime	★	9 295
Media and publishing	★	48 368
Metal manufacturing	★	52 328
Paper products	★	27 407
Plastics	★	23 181
Power generation and transmission	★	4 354
Processed food	★	73 358
Production technology	★	15 788
Sporting, recreational and children's goods	★	4 497
Stone quarries	★	1 070
Telecom	★	32 113
Textiles	★	20 760
Tobacco	★	2 797
Tourism and hospitality	★	55 241

### Valencia

Industry	Stars	Employees
Distribution	★★★	54 166
Construction	★★	153 925
Construction materials	★★	30 948
Footwear	★★	18 191
Agricultural products	★	20 158
Building fixtures, equipment and services	★	25 052
Entertainment	★	11 101
Farming and animal husbandry	★	17 478
Furniture	★	19 944
Lighting and electrical equipment	★	4 049
Maritime	★	5 789
Paper products	★	14 434
Plastics	★	13 550
Sporting, recreational and children's goods	★	2 092
Telecom	★	23 524
Textiles	★	14 053
Tobacco	★	4 010
Tourism and hospitality	★	38 157

### Illes Balears

Industry	Stars	Employees
Tourism and hospitality	★★★	44 069
Construction	★★	38 262
Transportation and logistics	★	18 641

### Andalucía

Industry	Stars	Employees
Construction	★★★★	250 913
Agricultural products	★★	60 931
Farming and animal husbandry	★★	64 669
Tobacco	★★	14 869
Aerospace	★	4 919
Biotech	★	1 372
Building fixtures, equipment and services	★	26 231

Construction materials	★	7 338
Distribution	★	44 868
Education and knowledge creation	★	40 377
Entertainment	★	14 978
Financial services	★	57 406
Furniture	★	11 931
Jewellery and precious metals	★	2 039
Maritime	★	13 472
Processed food	★	40 869
Stone quarries	★	1 063
Telecom	★	24 035
Tourism and hospitality	★	66 262
Transportation and logistics	★	57 339

### Murcia

Industry	Stars	Employees
Farming and animal husbandry	★★★	16 310
Agricultural products	★★	13 298
Construction	★★	52 476
Distribution	★★	16 678
Tobacco	★★	3 586
Furniture	★	6 434
Processed food	★	20 000

### Canarias

Industry	Stars	Employees
Tourism and hospitality	★★★	75 750
Construction	★★	65 764
Transportation and logistics	★	27 177

## About the European Cluster Observatory

The European Cluster Observatory, launched in June 2007, is the most comprehensive database on clusters, cluster organisations, and cluster reports in Europe. It is managed by the Center for Strategy and Competitiveness (CSC) at the Stockholm School of Economics and funded by the European Commission's Directorate General for Enterprise and Industry.

The European Cluster Observatory website provides a wide variety of data on clusters in Europe, and is focused on the following issues:

- Cluster Mapping providing information more than 40 cluster categories in over 250 NUTS-2 regions
- Regional competitiveness data, describing cluster framework conditions in regions
- Information, maps and lists of cluster organisations, science parks and other types of organisations
- Providing a Library as an open European depository for various cluster-related documents
- Providing reports on cluster policies and special sectors

Please visit the European Cluster Observatory at [www.clusterobservatory.eu](http://www.clusterobservatory.eu).

