

New working and communications methods have made it necessary to undertake a considerable renovation of the building that, since 1972, has housed the INE headquarters. In addition to the inclusion of the latest technologies and designs in its architectural composition, the most noteworthy element of the new building is the decoration of its façade, the work of **Pepe Cruz Novillo**, the plastic artist who for years has been developing his "**diaphragm**" concept in different formats and media. The common feature of this work is the combination of a variable number of monochromatic, sound, photographic and three-dimensional elements.

Cruz Novillo proposes a concise system for transcribing figures to colours: **each colour corresponds to a digit from 0 to 9**, and is represented by monochromatic rectangles articulated with the modulation of the ledges of the windows of the building.

Likewise, each figure - with its associated colour - corresponds to a **musical note**.

58 statistical indicators have been chosen, for the purpose of developing from them, the **58 ten-tone diaphragms of digits** that cover, horizontally and descending, floor-by-floor, the South, the East, and partially, the North, of the building.

For an institution such as the INE, which disseminates the results of its statistics in a mainly numerical form, the concept proposed by the artist is particularly appropriate.

The 58 indicators

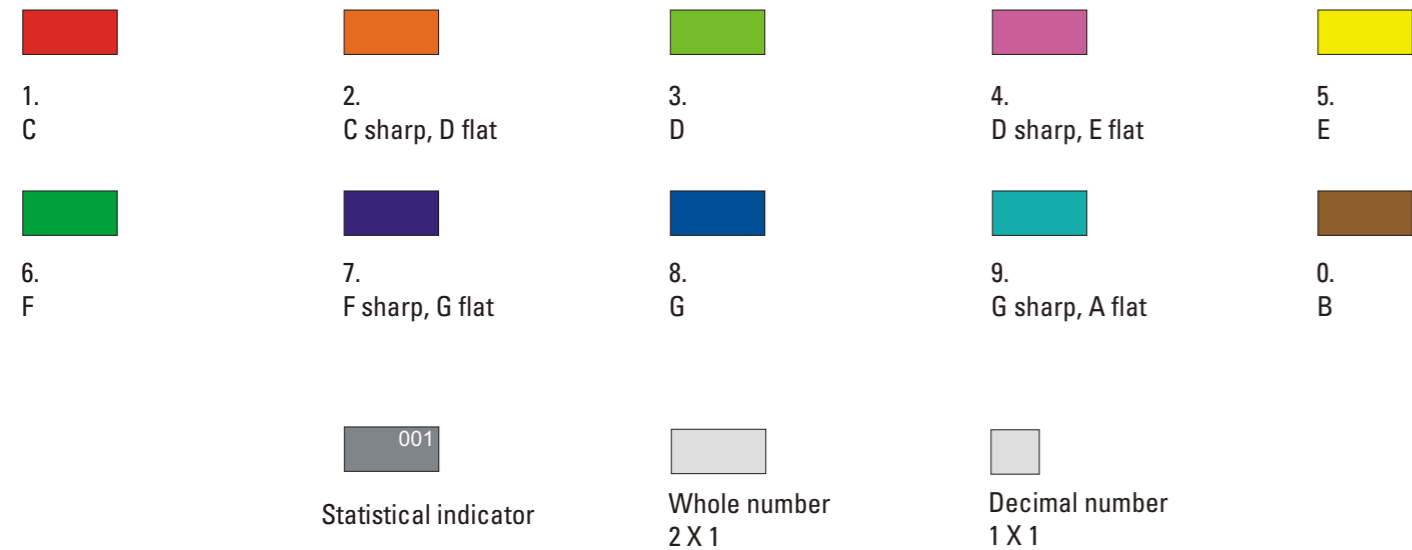
001	Surface area of Spain in km2	504,645	029	Number of households (2004, 1st quarter)	14,455,640
002	Resident population (1 January 2005)	44,108,530	030	Average household size in number of persons (2004, 1st quarter)	2.91
003	GDP per capita at current prices in euros (2004)	19,637	031	Single-person households as a percentage (2004, 1st quarter)	14.39
004	Resident population, females (1 January 2005)	22,327,661	032	Households with six or more persons as a percentage (2004, 1st quarter)	2.73
005	Resident population, males (1 January 2005)	21,780,869	033	GDP at current prices in millions of euros (2004)	837,316
006	Resident population, foreign nationals (1 January 2005)	3,730,610	034	Growth of GDP in Spain as a percentage (2005)	3.40
007	Resident population, persons over 65 years of age, as a percentage (1 January 2005)	16.62	035	Growth of GDP in EU-25 as a percentage (2005)	1.60
008	Average number of children per woman in Spain (2004)	1.34	036	GDP per capita in purchasing power parity EU-25 100. Spain (2004)	97.60
009	Average number of children per woman in EU-25 (2004)	1.48	037	Companies constituted (2005)	137,843
010	Economically active population (2005, 4th quarter)	21,155,612	038	Number of companies (2005)	3,064,129
011	Employed population (2005, 4th quarter)	19,314,257	039	Companies without employees as a percentage (2005)	51.37
012	Unemployed population (2005, 4th quarter)	1,841,255	040	Exports of goods in thousands of euros (2005)	153,558,995
013	Unemployment rate in Spain (2005, 4th quarter)	8.70	041	Exports to EU-25 as a percentage (2005)	72.09
014	Unemployment rate in EU-25 (2005, 2nd quarter)	8.50	042	Imports of goods in thousands of euros (2005)	231,371,566
015	Students enrolled in compulsory education under 16 years of age (2004-2005 academic year)	5,779,833	043	Deficit of the trade balance in thousands of euros (2005)	77,812,517
016	Students enrolled in post-secondary education and vocational training (2004-2005 academic year)	1,154,474	044	Tourism and travel, income in thousands of euros (2005)	37,792,728
017	Students enrolled at university (2004-2005 academic year)	1,462,897	045	Tourism and travel, payments in thousands of euros (2005)	12,125,215
018	Number of non-university lecturers (2004-2005 academic year)	580,370	046	Imports from EU-25 as a percentage (2005)	60.82
019	Number of university lecturers (2003-2004 academic year)	105,469	047	Deficit of the current balance in thousands of euros (2005)	68,952,142
020	Publishing activity in thousands of copies (2005)	281,005	048	Savings rate over disposable income as a percentage (2004)	11.20
021	Public expenditure on education in Spain as a percentage of GDP (2003)	4.40	049	Mortgages (2005)	1,752,947
022	Public expenditure on education in EU-25 as a percentage of GDP (2003)	5.40	050	Family dwellings (2001)	20,946,554
023	Number of doctors (2004)	194,668	051	Group dwellings (2001)	11.446
024	Number of health professionals (2004)	524,759	052	Fleet of registered vehicles in thousands (2004)	26,432.64
025	Number of hospitals (2005)	779	053	Rented dwellings in Spain as a percentage (2001)	10.10
026	Number of beds per 1,000 inhabitants (2005)	3.67	054	Rented dwellings in EU-15 as a percentage (2001)	32.10
027	Consumer Price Index in Spain. % growth (2005/2004 variation)	3.40	055	Dwellings with computers (2005)	7,726,362
028	Harmonised Consumer Price Index in EU-25. % growth (2005/2004 variation)	2.20	056	Companies with computers as a percentage (2004-2005)	97.40
			057	Companies with Internet access as a percentage (2004-2005)	89.95
			058	Dwellings with mobile telephones in thousands (2005)	12,206

Data collected in March 2006



Ten-tone diaphragm of digits

Correspondence between colour, digits and musical notes



Example:
052 Fleet of registered vehicles in thousands (2004): 26,432.64



South façade

East façade

North façade (partial)

