

## Appendix A. Sectoral classifications used (2 digits, ISIC Rev. 3)

Sector (ISIC Rev. 3)	2 dig	Medium-high productivity	Medium-high technological intensity	Higher value added (to NR)
Agriculture and livestock	1			
Forestry, wood extraction	2			
Fishing and fishing-related activities	5			
Extraction of crude oil and natural gas	11			
Extraction of metalliferous minerals	13			
Exploitation of other mines and quarries	14			
Food and beverages	15			
Tobacco	16			
Textile products	17			
Apparel	18			
Leather and footwear	19			
Wood	20			
Paper	21			
Edition	22			
Petroleum products	23			
Chemicals	24			
Rubber and plastic products	25			
Other non-metallic minerals	26			
Base metals	27			
Other metal products	28			
Machinery and equipment	29			
Office machinery	30			
Electrical appliances	31			
Radio and television	32			
Medical instruments	33			
Automotive	34			
Other transport equipment	35			
Furniture	36			
Recycling of waste and scrap	37			
Electricity, gas and water	40			
Water collection, treatment and distribution	41			
Construction	45			
Sale and repair of vehicles, fuel retailing	50			
Wholesale trade	51			
Retail trade	52			
Hotel and restaurant services	55			
Railway, railcar and pipeline transport	60			
Maritime and river transport	61			
Cargo and passenger air transport	62			
Cargo handling, storage and warehousing	63			
Post and telecommunications	64			
Financial intermediation and other financial services	65			
Insurance and retirement and pension funds	66			
Services auxiliary to the financial activity	67			
Real estate services	70			
Rental of transport equipment and machinery	71			
IT activities	72			
Research and development	73			
Legal, accounting and other business services	74			
Temporary employment agencies	75			
Education	80			
Health and social services	85			
Waste disposal	90			
Business organization services	91			
Film, radio and television	92			
Other services	93			

Source: Own elaboration (Niembro and Calá, 2024).

## Appendix B. Distribution of LMAs in the first form of identification (ST1): 16 x 16 matrix

2017-2019 -->

	NONE	PR	TI	VA	DI	PR-TI	PR-VA	PR-DI	TI-VA	TI-DI	VA-DI	PR-TI-VA	PR-TI-DI	PR-VA-DI	TI-VA-DI	ALL	LMA
NONE	10		1	1	3												15
PR	2	1			1												4
TI									1								1
VA	1			7							2				1	1	12
DI	7		1		2					2							12
PR-TI		1				1				1			1				4
PR-VA				1													1
PR-DI	1				1				1	2			1				6
TI-VA										1							1
TI-DI										1							1
VA-DI					2				1		1				1		5
PR-TI-VA									1							1	2
PR-TI-DI										2			2			1	5
PR-VA-DI								2							1		3
TI-VA-DI															3		3
ALL													1		2	7	10
LMA	21	2	2	9	9	1	0	2	4	9	3	0	5	0	8	10	85

<-- 1996-1998

Source: Own elaboration. Notes: PR: productivity, TI: technological intensity, VA: value added, DI: diversity.

## Appendix C. Evolution of the LMAs in two sub-periods, according to both forms of classification

ST2 classification -->		Equal 1 & 2	Up 1 - Equal 2	Equal 1 - Up 2	Up 1 & 2	Fall 1 - Equal 2	Equal 1 - Fall 2	Fall 1 & 2	Inverted V	V	LMA
<-- ST1 classification	Equal 1 & 2	15	7	4		2	7	2	3	1	41
	Up 1 - Equal 2	2	1			2			1	1	7
	Equal 1 - Up 2	1	3	2						1	7
	Up 1 & 2				1						1
	Fall 1 - Equal 2	2		1		5	1	1	1		11
	Equal 1 - Fall 2	1				3	3	3		1	11
	Fall 1 & 2						1				1
	Inverted V	1	1						1		3
	V	1				1				1	3
	LMA	23	12	7	1	13	12	6	6	5	85

Source: Own elaboration.