

Appendix 4

Coefficients of patent activity of regions of the Northwestern Russia by field of knowledge, 2021

Field of knowledge	Saint Petersburg	Leningrad Oblast	Arhangelsk Oblast	Kaliningrad Oblast	Murmansk Oblast	Republic of Karelia	Komi Republic	Vologda Oblast	Novgorod Oblast	Pskov Oblast
Fishing and fish farming	0.7	1.8	-	0.9	1.7	14.1	0.9	1.8	10.7	6.0
Maintenance of buildings and grounds	0.9	3.4	3.3	-	-	0.1	1.1	1.4	-	5.8
Water intake, treatment and distribution	1.0	1.2	1.1	1.4	1.1	4.0	1.8	0.9	1.6	1.2
Architecture and engineering design; technical testing, research and analysis	0.9	2.2	1.6	1.8	0.3	1.0	0.9	0.7	3.8	0.8
Manufacture of other vehicles and equipment	1.5	0.5	1.7	6.4	1.4	0.4	0.7	1.0	0.6	0.4
Wastewater collection and treatment	1.1	1.6	0.1	3.2	3.1	4.0	1.7	1.7	3.2	-
Government bodies that ensure military security and compulsory social security	0.8	1.1	5.8	5.4	1.2	-	0.3	3.4	-	-
Wood processing and production of wood and cork products, except furniture, production of straw products and wicker materials	1.1	0.6	15.3	0.4	-	8.1	-	2.6	-	-
Mining of metal ores	0.9	2.1	0.6	1.8	8.4	1.2	1.3	1.8	-	-
Coal mining	1.0	0.7	-	4.4	0.6	0.2	0.7	1.2	-	-
Security and investigation activities	1.1	2.1	-	25.3	-	-	2.2	-	-	-
Sports, recreation and entertainment	0.9	1.0	-	0.2	-	9.3	1.1	-	-	-
Specialized construction works	1.0	0.2	0.5	0.8	1.0	1.3	0.6	0.3	5.9	18.0
Retail trade, except trade in motor vehicles and motorcycles	0.4	-	-	-	8.9	-	-	3.0	-	14.9
Activities of libraries, archives, museums and other cultural facilities	1.1	-	-	-	-	-	-	-	-	12.0
Wholesale and retail trade in motor vehicles and motorcycles and their repair	1.4	0.5	-	-	-	-	3.2	-	-	10.5
Repair and installation of machinery and equipment	1.0	0.8	0.6	1.8	0.5	1.8	2.8	0.8	1.1	4.1
Furniture manufacture	0.9	0.6	0.4	0.2	0.2	2.4	0.1	1.8	1.0	4.0
Food production	0.8	0.6	0.5	1.7	3.7	2.1	1.6	0.6	0.3	1.2
Crop and livestock farming, hunting and provision of related services in these areas	0.4	0.8	1.2	0.6	1.3	4.7	1.4	1.1	0.5	0.9
Activities of land and pipeline transport	0.7	0.3	0.2	0.2	0.9	3.2	9.6	0.2	-	0.7
Metallurgical production	0.8	0.7	1.5	0.9	1.1	0.5	1.0	4.8	0.3	0.4

