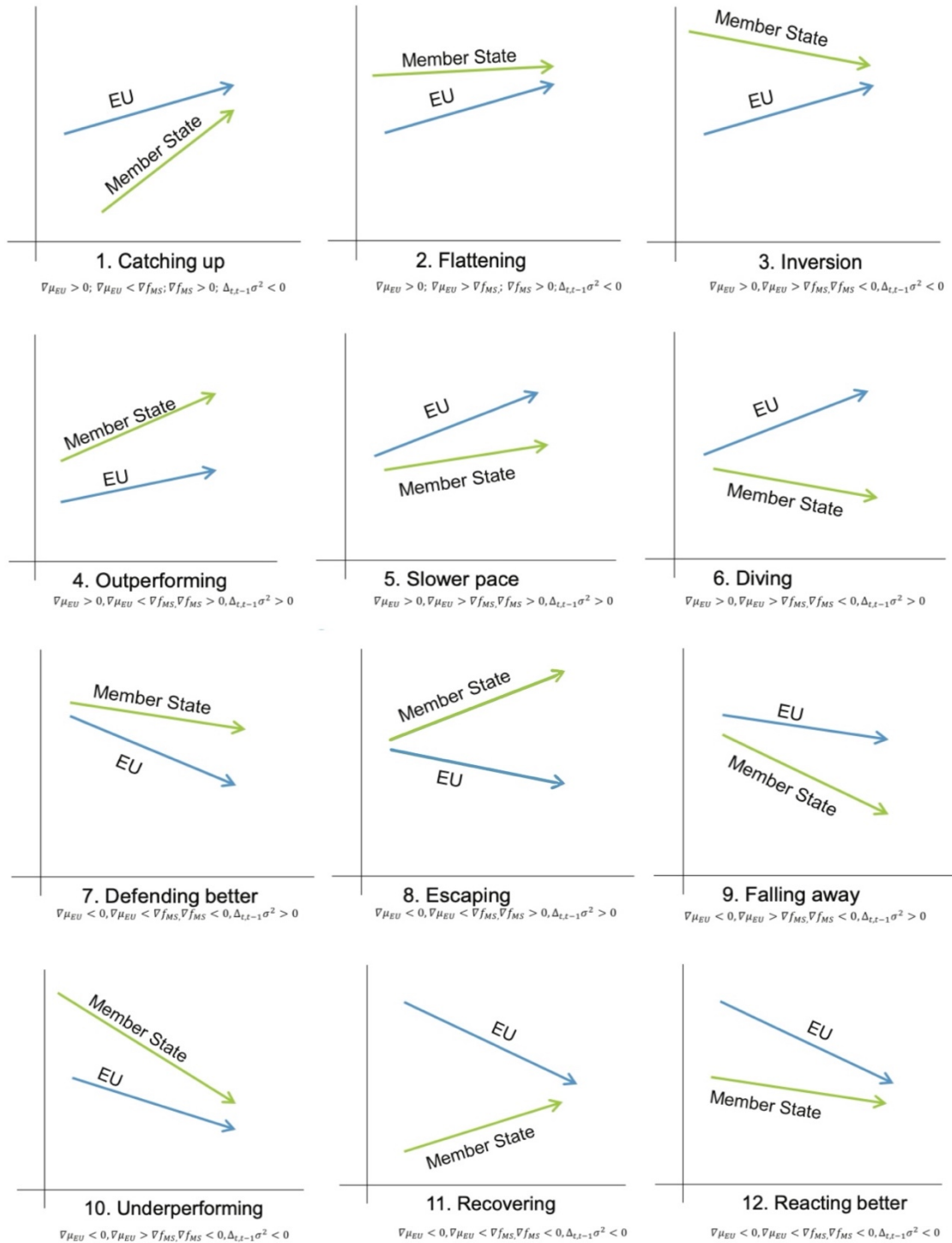


ANNEXES

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ANNEX 1.: THEORETICAL PATTERNS OF UPWARD CONVERGENCE, UPWARD DIVERGENCE, DOWNWARD CONVERGENCE AND DOWNWARD DIVERGENCE



Source: Own elaboration based on Eurofound (2018), pp. 25–26.

ANNEX 2.: HOUSEHOLDS WITH BROADBAND ACCESS (BBACC) – DATA & CALCULATIONS

Households with broadband access (% of households)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	80	83	84	87	89	91	10	4	12,93%	4,73%	<i>n.r.</i>	<i>n.r.</i>	-4,88%		<i>n.r.</i>	<i>n.r.</i>	-2,03%		85,6377	3,8551	0,0450
CSE-11	Central & South-East Europe	76	78	81	83	86	89	13	6	17,81%	6,76%	4,88%		<i>n.r.</i>	<i>n.r.</i>	2,03%		<i>n.r.</i>	<i>n.r.</i>	82,1818	5,0068	0,0609
BG	Bulgaria	63	67	71	75	79	84	21	9	33,33%	12,00%	20,40%	<i>catching up</i>	15,52%	<i>catching up</i>	7,27%	<i>catching up</i>	5,24%	<i>catching up</i>	73,1667	7,7567	0,1060
BG31	Severozapaden	58	57	65	71	66	74	16	3	27,59%	4,23%	14,65%	catching up	9,78%	catching up	-0,51%	slower pace	-2,54%	slower pace	65,1667	6,7946	0,1043
BG32	Severen tsentralen	62	67	67	73	75	83	21	10	33,87%	13,70%	20,94%	catching up	16,06%	catching up	8,97%	catching up	6,94%	catching up	71,1667	7,4409	0,1046
BG33	Severoiztochen	67	68	74	74	78	85	18	11	26,87%	14,86%	13,93%	catching up	9,06%	catching up	10,13%	catching up	8,10%	catching up	74,3333	6,6533	0,0895
BG34	Yugoiztochen	59	62	70	75	77	82	23	7	38,98%	9,33%	26,05%	catching up	21,17%	catching up	4,60%	catching up	2,57%	catching up	70,8333	8,9312	0,1261
BG41	Yugozapaden	64	70	75	78	86	86	22	8	34,38%	10,26%	21,44%	catching up	16,57%	catching up	5,52%	catching up	3,50%	catching up	76,5000	8,7579	0,1145
BG42	Yuzhen tsentralen	63	70	72	75	79	86	23	11	36,51%	14,67%	23,57%	catching up	18,70%	catching up	9,93%	catching up	7,91%	catching up	74,1667	7,8846	0,1063
CZ	Czechia	80	83	86	87	88	89	9	2	11,25%	2,30%	-1,68%	<i>slower pace</i>	-6,56%	<i>flattening</i>	-2,43%	<i>slower pace</i>	-4,46%	<i>flattening</i>	85,5000	3,3912	0,0397
CZ01	Praha	91	89	93	93	95	94	3	1	3,30%	1,08%	-9,64%	flattening	-14,51%	flattening	-3,66%	flattening	-5,69%	flattening	92,5000	2,1679	0,0234
CZ02	Střední Čechy	84	87	87	88	88	89	5	1	5,95%	1,14%	-6,98%	flattening, then slower pace	-11,86%	flattening	-3,60%	flattening, then slower pace	-5,62%	flattening	87,1667	1,7224	0,0198
CZ03	Jihozápad	82	82	86	86	88	92	10	6	12,20%	6,98%	-0,74%	flattening	-5,61%	flattening	2,24%	catching up, then outperforming	0,22%	at the same pace	86,0000	3,7947	0,0441
CZ04	Severozápad	75	78	82	79	82	86	11	7	14,67%	8,86%	1,73%	at the same pace	-3,14%	slower pace	4,13%	catching up	2,10%	catching up	80,3333	3,8297	0,0477
CZ05	Severovýchod	79	80	82	86	87	87	8	1	10,13%	1,16%	-2,81%	slower pace	-7,68%	flattening, then slower pace	-3,57%	slower pace	-5,60%	flattening, then slower pace	83,5000	3,6194	0,0433
CZ06	Jihovýchod	78	83	87	88	90	88	10	0	12,82%	0,00%	-0,11%	slower pace	-4,99%	flattening, then slower pace	-4,73%	flattening, then slower pace	-6,76%	flattening, then slower pace	85,6667	4,4121	0,0515
CZ07	Střední Morava	74	81	83	84	88	88	14	4	18,92%	4,76%	5,98%	catching up	1,11%	catching up	0,03%	at the same pace	-2,00%	flattening, then slower pace	83,0000	5,2154	0,0628
CZ08	Moravskoslezsko	79	81	87	90	86	89	10	-1	12,66%	-1,11%	-0,28%	slower pace	-5,15%	flattening	-5,84%	inversion/diving	-7,87%	inversion	85,3333	4,4121	0,0517
EE	Estonia	85	87	89	90	89	91	6	1	7,06%	1,11%	-5,88%	<i>flattening</i>	-10,75%	<i>flattening</i>	-3,62%	<i>flattening</i>	-5,65%	<i>flattening</i>	88,5000	2,1679	0,0245
EE00	Eesti	85	87	89	90	89	91	6	1	7,06%	1,11%	-5,88%	flattening	-10,75%	flattening	-3,62%	flattening	-5,65%	flattening	88,5000	2,1679	0,0245
HR	Croatia	77	76	81	81	85	86	9	5	11,69%	6,17%	-1,25%	<i>slower pace</i>	-6,12%	<i>flattening, then slower pace</i>	1,44%	<i>catching up</i>	-0,59%	<i>slower pace</i>	81,0000	4,0497	0,0500
HR03	Jadranska Hrvatska	78	73	83	84	88	87	9	3	11,54%	3,57%	-1,40%	slower pace	-6,27%	flattening, then slower pace	-1,16%	slower pace	-3,19%	flattening, then slower pace	82,1667	5,7067	0,0695
HR04	Kontinentalna Hrvatska	76	77	80	79	83	83	7	4	9,21%	5,06%	-3,72%	slower pace	-8,60%	flattening, then slower pace	0,33%	at the same pace	-1,70%	slower pace	79,6667	2,9439	0,0370
LV	Latvia	75	76	79	83	88	89	14	6	18,67%	7,23%	5,73%	<i>catching up</i>	0,86%	<i>catching up</i>	2,50%	<i>catching up</i>	0,47%	<i>at the same pace</i>	81,6667	5,9889	0,0733
LV00	Latvija	75	76	79	83	88	89	14	6	18,67%	7,23%	5,73%	catching up	0,86%	catching up	2,50%	catching up	0,47%	at the same pace	81,6667	5,9889	0,0733
LT	Lithuania	71	75	78	81	82	86	15	5	21,13%	6,17%	8,19%	<i>catching up</i>	3,32%	<i>catching up</i>	1,44%	<i>catching up</i>	-0,59%	<i>slower pace</i>	78,8333	5,3448	0,0678
LT01	Sostinės regionas	71	75	81	83	86	87	16	4	22,54%	4,82%	9,60%	catching up	4,73%	catching up	0,09%	at the same pace	-1,94%	slower pace	80,5000	6,3166	0,0785
LT02	Vidurio ir vakaru Lietuvos regionas	71	75	77	81	80	85	14	4	19,72%	4,94%	6,78%	catching up	1,91%	catching up	0,20%	at the same pace	-1,82%	slower pace	78,1667	4,9160	0,0629

Households with broadband access (% of households)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	78	82	83	86	87	91	13	5	16,67%	5,81%	3,73%	catching up	-1,14%	at the same pace	1,08%	catching up	-0,95%	flattening	84,5000	4,5056	0,0533
HU11	Budapest	78	82	90	92	94	96	18	4	23,08%	4,35%	10,14%	catching up, then outperforming	5,27%	outperforming	-0,39%	at the same pace	-2,41%	flattening	88,6667	7,1181	0,0803
HU12	Pest	78	82	88	88	87	94	16	6	20,51%	6,82%	7,58%	catching up, then outperforming	2,70%	outperforming	2,08%	outperforming	0,06%	at the same pace	86,1667	5,5287	0,0642
HU21	Közép-Dunántúl	80	85	86	88	91	92	12	4	15,00%	4,55%	2,07%	catching up, then outperforming	-2,81%	flattening	-0,19%	at the same pace	-2,22%	flattening	87,0000	4,3818	0,0504
HU22	Nyugat-Dunántúl	81	83	85	85	86	92	11	7	13,58%	8,24%	0,65%	outperforming	-4,23%	flattening	3,50%	catching up, then outperforming	1,47%	outperforming	85,3333	3,7238	0,0436
HU23	Dél-Dunántúl	75	80	80	85	86	89	14	4	18,67%	4,71%	5,73%	catching up	0,86%	catching up	-0,03%	at the same pace	-2,06%	flattening	82,5000	5,0892	0,0617
HU31	Észak-Magyarország	74	75	78	81	84	86	12	5	16,22%	6,17%	3,28%	catching up	-1,59%	slower pace	1,44%	catching up	-0,59%	slower pace	79,6667	4,8442	0,0608
HU32	Észak-Alföld	70	76	76	82	85	88	18	6	25,71%	7,32%	12,78%	catching up	7,90%	catching up	2,58%	catching up	0,56%	at the same pace	79,5000	6,6858	0,0841
HU33	Dél-Alföld	71	76	78	81	82	87	16	6	22,54%	7,41%	9,60%	catching up	4,73%	catching up	2,67%	catching up	0,65%	at the same pace	79,1667	5,4924	0,0694
PL	Poland	76	78	79	83	90	92	16	9	21,05%	10,84%	8,12%	catching up, then outperforming	3,24%	outperforming	6,11%	catching up, then outperforming	4,08%	outperforming	83,0000	6,6332	0,0799
PL2	Makroregion Poludniowy	76	77	78	83	89	92	16	9	21,05%	10,84%	8,12%	catching up, then outperforming	3,24%	outperforming	6,11%	catching up, then outperforming	4,08%	outperforming	82,5000	6,7157	0,0814
PL4	Makroregion Północno-Zachodni	76	78	81	82	89	92	16	10	21,05%	12,20%	8,12%	catching up, then outperforming	3,24%	outperforming	7,46%	catching up, then outperforming	5,43%	catching up, then outperforming	83,0000	6,2610	0,0754
PL5	Makroregion Poludniowo-Zachodni	76	78	75	85	90	92	16	7	21,05%	8,24%	8,12%	catching up, then outperforming	3,24%	outperforming	3,50%	catching up, then outperforming	1,47%	outperforming	82,6667	7,3666	0,0891
PL6	Makroregion Północny	74	79	82	84	90	92	18	8	24,32%	9,52%	11,39%	catching up, then outperforming	6,51%	catching up, then outperforming	4,79%	catching up, then outperforming	2,76%	outperforming	83,5000	6,7454	0,0808
PL7	Makroregion Centralny	76	77	75	82	89	88	12	6	15,79%	7,32%	2,85%	catching up	-2,02%	flattening, then slower pace	2,58%	catching up	0,56%	at the same pace	81,1667	6,1779	0,0761
PL8	Makroregion Wschodni	76	77	78	82	88	90	14	8	18,42%	9,76%	5,49%	flattening	0,61%	outperforming	5,02%	catching up	2,99%	catching up, then outperforming	81,8333	5,9470	0,0727
PL9	Makroregion Województwo Mazowieckie	:	:	83	85	92	94	:	9	:	10,59%	:	:	:	:	5,85%	catching up, then outperforming	3,83%	outperforming	88,5000	5,3229	0,0601

Households with broadband access (% of households)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
RO	Romania	70	74	79	82	84	88	18	6	25,71%	7,32%	12,78%	catching up, then outperforming	7,90%	outperforming	2,58%	catching up	0,56%	catching up	79,5000	6,6257	0,0833
RO11	Nord-Vest	72	80	87	85	89	90	18	5	25,00%	5,88%	12,07%	catching up	7,19%	catching up, then outperforming	1,15%	catching up	-0,88%	flattening	83,8333	6,7946	0,0810
RO12	Centru	67	68	76	80	82	90	23	10	34,33%	12,50%	21,39%	catching up	16,52%	catching up, then outperforming	7,77%	catching up	5,74%	catching up, then outperforming	77,1667	8,7731	0,1137
RO21	Nord-Est	62	68	69	77	77	87	25	10	40,32%	12,99%	27,39%	catching up	22,51%	catching up	8,25%	catching up	6,23%	catching up	73,3333	8,8242	0,1203
RO22	Sud-Est	67	71	69	77	79	84	17	7	25,37%	9,09%	12,44%	catching up	7,56%	catching up	4,36%	catching up	2,33%	catching up	74,5000	6,5651	0,0881
RO31	Sud-Muntenia	65	70	74	79	82	86	21	7	32,31%	8,86%	19,37%	catching up	14,50%	catching up	4,13%	catching up	2,10%	catching up	76,0000	7,8230	0,1029
RO32	Bucuresti-Ilfov	88	88	94	91	92	94	6	3	6,82%	3,30%	-6,12%	flattening	-10,99%	flattening	-1,44%	flattening	-3,46%	flattening	91,1667	2,7142	0,0298
RO41	Sud-Vest Oltenia	71	69	80	83	82	86	15	3	21,13%	3,61%	8,19%	catching up	3,32%	catching up	-1,12%	slower pace	-3,15%	slower pace	78,5000	6,8920	0,0878
RO42	Vest	74	85	85	87	89	90	16	3	21,62%	3,45%	8,69%	catching up	3,81%	catching up, then outperforming	-1,29%	slower pace	-3,31%	flattening	85,0000	5,7619	0,0678
SI	Slovenia	78	82	87	89	90	93	15	4	19,23%	4,49%	6,30%	catching up, then outperforming	1,42%	outperforming	-0,24%	at the same pace	-2,27%	flattening	86,5000	5,5408	0,0641
SI03	Vzhodna Slovenija	77	80	84	87	89	91	14	4	18,18%	4,60%	5,25%	catching up	0,37%	outperforming	-0,14%	at the same pace	-2,16%	flattening	84,6667	5,3914	0,0637
SI04	Zahodna Slovenija	80	84	90	92	91	95	15	3	18,75%	3,26%	5,82%	outperforming	0,94%	outperforming	-1,47%	flattening	-3,50%	flattening	88,6667	5,5737	0,0629
SK	Slovakia	78	79	79	80	85	90	12	10	15,38%	12,50%	2,45%	catching up	-2,43%	flattening	7,77%	catching up	5,74%	catching up, then outperforming	81,8333	4,7081	0,0575
SK01	Bratislavský kraj	84	84	87	83	90	96	12	13	14,29%	15,66%	1,35%	outperforming	-3,52%	outperforming	10,93%	catching up, then outperforming	8,90%	outperforming	87,3333	4,9666	0,0569
SK02	Západné Slovensko	77	76	80	81	84	89	12	8	15,58%	9,88%	2,65%	catching up	-2,23%	flattening	5,14%	catching up	3,12%	catching up	81,1667	4,7924	0,0590
SK03	Stredné Slovensko	74	77	75	78	83	91	17	13	22,97%	16,67%	10,04%	catching up	5,16%	catching up, then outperforming	11,93%	catching up	9,91%	catching up, then outperforming	79,6667	6,3770	0,0800
SK04	Východné Slovensko	80	82	77	81	84	87	7	6	8,75%	7,41%	-4,18%	slower pace	-9,06%	outperforming	2,67%	catching up	0,65%	at the same pace	81,8333	3,4303	0,0419

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 3.: FREQUENCY OF INTERNET ACCESS: DAILY (DUINT) – DATA & CALCULATIONS

Individuals who used the Internet daily (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	69	72	74	77	80	83	14	6	19,46%	7,12%	<i>n.r.</i>	<i>n.r.</i>	-6,42%		<i>n.r.</i>	<i>n.r.</i>	-2,14%		75,9907	5,1834	0,0682
CSE-11	Central & South-East Europe	57	59	62	66	69	72	15	6	25,88%	9,26%	6,42%		<i>n.r.</i>	<i>n.r.</i>	2,14%		<i>n.r.</i>	<i>n.r.</i>	63,9722	5,6908	0,0890
BG	Bulgaria	49	54	55	60	62	67	18	7	36,73%	11,67%	17,28%	<i>catching up</i>	10,86%	<i>catching up</i>	4,54%	<i>catching up</i>	2,40%	<i>catching up</i>	57,8333	6,4317	0,1112
BG31	Severozapaden	45	49	51	53	53	62	17	9	37,78%	16,98%	18,32%	catching up	11,90%	catching up	9,86%	catching up	7,72%	catching up	52,1667	5,6716	0,1087
BG32	Severen tsentralen	46	56	50	60	55	70	24	10	52,17%	16,67%	32,72%	catching up	26,30%	catching up	9,54%	catching up	7,40%	catching up	56,1667	8,3526	0,1487
BG33	Severoiztochen	49	53	57	58	62	71	22	13	44,90%	22,41%	25,44%	catching up	19,02%	catching up	15,29%	catching up	13,15%	catching up	58,3333	7,6333	0,1309
BG34	Yugoiztochen	43	50	51	57	56	65	22	8	51,16%	14,04%	31,71%	catching up	25,29%	catching up	6,91%	catching up	4,77%	catching up	53,6667	7,4744	0,1393
BG41	Yugozapaden	56	60	63	69	73	71	15	2	26,79%	2,90%	7,33%	catching up	0,91%	at the same pace	-4,22%	slower pace	-6,37%	flattening/ slower pace	65,3333	6,7132	0,1028
BG42	Yuzhen tsentralen	46	50	51	52	56	63	17	11	36,96%	21,15%	17,50%	catching up	11,08%	catching up	14,03%	catching up	11,89%	catching up	53,0000	5,8652	0,1107
CZ	Czechia	65	68	75	76	79	81	16	5	24,62%	6,58%	5,16%	<i>catching up</i>	-1,26%	<i>outperforming</i>	-0,54%	<i>slower pace</i>	-2,69%	<i>flattening</i>	74,0000	6,2610	0,0846
CZ01	Praha	77	80	88	89	93	88	11	-1	14,29%	-1,12%	-5,17%	flattening	-11,59%	flattening	-8,25%	inversion	-10,39%	inversion	85,8333	6,0470	0,0705
CZ02	Střední Čechy	68	74	75	80	77	79	11	-1	16,18%	-1,25%	-3,28%	slower pace	-9,70%	flattening	-8,37%	inversion/diving	-10,51%	inversion	75,5000	4,3243	0,0573
CZ03	Jihozápad	64	69	75	77	78	80	16	3	25,00%	3,90%	5,54%	flattening	-0,88%	outperforming	-3,23%	slower pace	-5,37%	flattening	73,8333	6,1128	0,0828
CZ04	Severozápad	56	56	68	66	77	76	20	10	35,71%	15,15%	16,26%	catching up	9,84%	catching up, then outperforming	8,03%	catching up	5,89%	outperforming	66,5000	9,2033	0,1384
CZ05	Severovýchod	65	62	73	73	76	77	12	4	18,46%	5,48%	-0,99%	slower pace	-7,42%	flattening	-1,64%	slower pace	-3,78%	flattening	71,0000	6,0992	0,0859
CZ06	Jihovýchod	62	67	74	74	77	80	18	6	29,03%	8,11%	9,58%	catching up	3,16%	outperforming	0,99%	at the same pace	-1,16%	at the same pace	72,3333	6,6533	0,0920
CZ07	Střední Morava	64	66	74	75	82	81	17	6	26,56%	8,00%	7,11%	catching up	0,69%	outperforming	0,88%	at the same pace	-1,26%	at the same pace	73,6667	7,4476	0,1011
CZ08	Moravskoslezsko	65	72	78	76	78	84	19	8	29,23%	10,53%	9,77%	catching up, then outperforming	3,35%	outperforming	3,40%	catching up, then outperforming	1,26%	outperforming	75,5000	6,4420	0,0853
EE	Estonia	77	79	82	83	84	85	8	2	10,39%	2,41%	-9,07%	<i>flattening</i>	-15,49%	<i>flattening</i>	-4,71%	<i>flattening</i>	-6,85%	<i>flattening</i>	81,6667	3,0768	0,0377
EE00	Eesti	77	79	82	83	84	85	8	2	10,39%	2,41%	-9,07%	flattening	-15,49%	flattening	-4,71%	flattening	-6,85%	flattening	81,6667	3,0768	0,0377
HR	Croatia	63	58	66	71	74	76	13	5	20,63%	7,04%	1,18%	slower pace	-5,24%	flattening	-0,08%	<i>slower pace</i>	-2,22%	<i>flattening</i>	68,0000	6,8993	0,1015
HR03	Jadranska Hrvatska	63	56	72	76	74	78	15	2	23,81%	2,63%	4,35%	catching up	-2,07%	at the same pace	-4,49%	slower pace	-6,63%	flattening	69,8333	8,5421	0,1223
HR04	Kontinentalna Hrvatska	64	58	64	69	73	73	9	4	14,06%	5,80%	-5,39%	slower pace	-11,81%	flattening	-1,33%	slower pace	-3,47%	flattening	66,8333	5,9133	0,0885
LV	Latvia	68	70	73	75	80	84	16	9	23,53%	12,00%	4,07%	<i>catching up, then outperforming</i>	-2,35%	<i>outperforming</i>	4,88%	<i>catching up, then outperforming</i>	2,74%	<i>outperforming</i>	75,0000	6,0663	0,0809
LV00	Latvija	68	70	73	75	80	84	16	9	23,53%	12,00%	4,07%	catching up, then outperforming	-2,35%	outperforming	4,88%	catching up, then outperforming	2,74%	outperforming	75,0000	6,0663	0,0809
LT	Lithuania	60	64	68	73	74	78	18	5	30,00%	6,85%	10,54%	<i>catching up</i>	4,12%	<i>outperforming</i>	-0,27%	<i>slower pace</i>	-2,41%	<i>flattening</i>	69,5000	6,7454	0,0971
LT01	Sostinės regionas	60	64	73	75	81	81	21	6	35,00%	8,00%	15,54%	catching up	9,12%	outperforming	0,88%	at the same pace	-1,26%	at the same pace	72,3333	8,7101	0,1204
LT02	Vidurio ir vakaru Lietuvos regionas	60	64	66	71	72	76	16	5	26,67%	7,04%	7,21%	catching up	0,79%	outperforming	-0,08%	slower pace	-2,22%	flattening	68,1667	5,8793	0,0862

Individuals who used the Internet daily (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	71	69	69	75	79	82	11	7	15,49%	9,33%	-3,96%	flattening, then slower pace	-10,38%	flattening	2,21%	catching up	0,07%	outperforming	74,1667	5,4559	0,0736
HU11	Budapest	71	69	81	83	89	92	21	9	29,58%	10,84%	10,12%	outperforming	3,70%	outperforming	3,72%	outperforming	1,58%	outperforming	80,8333	9,3041	0,1151
HU12	Pest	71	69	69	78	81	86	15	8	21,13%	10,26%	1,67%	outperforming	-4,75%	at the same pace	3,13%	outperforming	0,99%	outperforming	75,6667	7,0899	0,0937
HU21	Közép-Dunántúl	72	74	75	80	79	80	8	0	11,11%	0,00%	-8,35%	flattening, then slower pace	-14,77%	flattening	-7,12%	flattening, then slower pace	-9,26%	flattening	76,6667	3,4448	0,0449
HU22	Nyugat-Dunántúl	69	65	63	71	78	82	13	11	18,84%	15,49%	-0,62%	slower pace	-7,04%	flattening	8,37%	catching up	6,23%	outperforming	71,3333	7,3937	0,1036
HU23	Dél-Dunántúl	66	66	64	72	78	82	16	10	24,24%	13,89%	4,79%	catching up	-1,63%	outperforming	6,77%	catching up	4,62%	outperforming	71,3333	7,3394	0,1029
HU31	Észak-Magyarország	66	63	63	71	72	76	10	5	15,15%	7,04%	-4,30%	slower pace	-10,73%	flattening	-0,08%	slower pace	-2,22%	flattening	68,5000	5,3198	0,0777
HU32	Észak-Alföld	63	62	64	71	74	76	13	5	20,63%	7,04%	1,18%	slower pace	-5,24%	flattening	-0,08%	slower pace	-2,22%	flattening	68,3333	6,0882	0,0891
HU33	Dél-Alföld	66	66	65	72	73	79	13	7	19,70%	9,72%	0,24%	slower pace	-6,18%	flattening	2,60%	catching up	0,46%	outperforming	70,1667	5,4924	0,0783
PL	Poland	57	61	64	68	72	74	17	6	29,82%	8,82%	10,37%	catching up	3,95%	outperforming	1,70%	at the same pace	-0,44%	at the same pace	66,0000	6,5422	0,0991
PL2	Makroregion Poludniowy	59	63	65	68	73	72	13	4	22,03%	5,88%	2,58%	slower pace	-3,84%	flattening	-1,24%	slower pace	-3,38%	flattening	66,6667	5,3914	0,0809
PL4	Makroregion Północno- Zachodni	58	60	64	67	70	73	15	6	25,86%	8,96%	6,41%	catching up	-0,02%	at the same pace	1,83%	at the same pace	-0,31%	at the same pace	65,3333	5,7850	0,0885
PL5	Makroregion Poludniowo- Zachodni	59	64	65	72	76	79	20	7	33,90%	9,72%	14,44%	catching up	8,02%	outperforming	2,60%	catching up	0,46%	outperforming	69,1667	7,7309	0,1118
PL6	Makroregion Północny	56	63	68	68	75	79	23	11	41,07%	16,18%	21,62%	catching up	15,19%	catching up, then outperforming	9,05%	catching up	6,91%	outperforming	68,1667	8,2321	0,1208
PL7	Makroregion Centralny	60	64	59	67	68	68	8	1	13,33%	1,49%	-6,12%	slower pace	-12,54%	flattening, then slower pace	-5,63%	slower pace	-7,77%	flattening, then slower pace	64,3333	4,0332	0,0627
PL8	Makroregion Wschodni	51	54	58	63	64	65	14	2	27,45%	3,17%	7,99%	at the same pace	1,57%	slower pace	-3,95%	slower pace	-6,09%	slower pace	59,1667	5,7764	0,0976
PL9	Makroregion Województwo Mazowieckie	:	:	68	73	80	82	:	9	:	12,33%	:	:	:	:	5,21%	catching up	3,06%	outperforming	75,7500	6,4485	0,0851

Individuals who used the Internet daily (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
RO	Romania	42	47	53	57	62	69	27	12	64,29%	21,05%	44,83%	catching up	38,41%	catching up	13,93%	catching up	11,79%	catching up	55,0000	9,8590	0,1793
RO11	Nord-Vest	45	50	61	65	66	75	30	10	66,67%	15,38%	47,21%	catching up	40,79%	catching up, then outperforming	8,26%	catching up	6,12%	catching up, then outperforming	60,3333	11,0574	0,1833
RO12	Centru	44	46	50	57	65	72	28	15	63,64%	26,32%	44,18%	catching up	37,76%	catching up	19,19%	catching up	17,05%	catching up	55,6667	11,1116	0,1996
RO21	Nord-Est	33	40	45	49	55	64	31	15	93,94%	30,61%	74,48%	catching up	68,06%	catching up	23,49%	catching up	21,35%	catching up	47,6667	10,9848	0,2305
RO22	Sud-Est	41	44	46	53	60	64	23	11	56,10%	20,75%	36,64%	catching up	30,22%	catching up	13,63%	catching up	11,49%	catching up	51,3333	9,2448	0,1801
RO31	Sud-Muntania	36	41	49	54	59	65	29	11	80,56%	20,37%	61,10%	catching up	54,68%	catching up	13,25%	catching up	11,11%	catching up	50,6667	10,9301	0,2157
RO32	Bucuresti-Ilfov	60	63	71	63	67	77	17	14	28,33%	22,22%	8,88%	catching up	2,46%	outperforming	15,10%	catching up	12,96%	catching up, then outperforming	66,8333	6,2743	0,0939
RO41	Sud-Vest Oltenia	38	42	49	55	57	62	24	7	63,16%	12,73%	43,70%	catching up	37,28%	catching up	5,60%	catching up	3,46%	catching up	50,5000	9,2250	0,1827
RO42	Vest	48	52	59	60	69	71	23	11	47,92%	18,33%	28,46%	catching up	22,04%	catching up	11,21%	catching up	9,07%	catching up	59,8333	9,0646	0,1515
SI	Slovenia	64	68	71	74	76	85	21	11	32,81%	14,86%	13,36%	catching up, then outperforming	6,94%	outperforming	7,74%	catching up, then outperforming	5,60%	outperforming	73,0000	7,2664	0,0995
SI03	Vzhodna Slovenija	60	63	68	70	73	81	21	11	35,00%	15,71%	15,54%	catching up	9,12%	outperforming	8,59%	catching up	6,45%	outperforming	69,1667	7,4677	0,1080
SI04	Zahodna Slovenija	69	74	74	79	80	89	20	10	28,99%	12,66%	9,53%	outperforming	3,11%	outperforming	5,54%	outperforming	3,39%	outperforming	77,5000	6,8920	0,0889
SK	Slovakia	68	69	68	76	80	80	12	4	17,65%	5,26%	-1,81%	slower pace	-8,23%	flattening	-1,86%	slower pace	-4,00%	flattening	73,5000	5,8566	0,0797
SK01	Bratislavský kraj	68	69	68	75	85	90	22	15	32,35%	20,00%	12,90%	catching up, then outperforming	6,48%	outperforming	12,88%	catching up, then outperforming	10,74%	outperforming	75,8333	9,5376	0,1258
SK02	Západné Slovensko	68	70	70	79	80	79	11	0	16,18%	0,00%	-3,28%	slower pace	-9,70%	flattening	-7,12%	flattening, then slower pace	-9,26%	flattening	74,3333	5,5377	0,0745
SK03	Stredné Slovensko	64	66	66	71	79	79	15	8	23,44%	11,27%	3,98%	catching up	-2,44%	at the same pace	4,15%	catching up	2,00%	outperforming	70,8333	6,7355	0,0951
SK04	Východné Slovensko	69	72	67	75	79	78	9	3	13,04%	4,00%	-6,41%	slower pace	-12,83%	flattening	-3,12%	slower pace	-5,26%	flattening	73,3333	4,8442	0,0661

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: Own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 4.: INTERNET USE: PARTICIPATING IN SOCIAL NETWORKS (SOCMED) – DATA & CALCULATIONS

Individuals who used social media channels (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	55	57	60	61	64	66	12	5	21,19%	7,80%	<i>n.r.</i>	<i>n.r.</i>	-8,43%		<i>n.r.</i>	<i>n.r.</i>	-2,15%		60,5470	4,2944	0,0709
CSE-11	Central & South-East Europe	50	53	57	59	63	65	15	6	29,62%	9,95%	8,43%		<i>n.r.</i>	<i>n.r.</i>	2,15%		<i>n.r.</i>	<i>n.r.</i>	57,9833	5,6254	0,0970
BG	Bulgaria	45	50	51	53	55	60	15	7	33,33%	13,21%	12,14%	<i>slower pace</i>	3,71%	<i>catching up</i>	5,41%	<i>catching up</i>	3,26%	<i>catching up</i>	52,3333	5,0465	0,0964
BG31	Severozapaden	43	47	49	47	48	60	17	13	39,53%	27,66%	18,35%	catching up	9,91%	catching up	19,86%	catching up	17,71%	catching up	49,0000	5,7619	0,1176
BG32	Severen tsentralen	44	54	51	59	57	66	22	7	50,00%	11,86%	28,81%	catching up	20,38%	catching up, then outperforming	4,07%	catching up	1,91%	outperforming	55,1667	7,4677	0,1354
BG33	Severozitochlen	50	48	51	54	58	66	16	12	32,00%	22,22%	10,81%	catching up	2,38%	outperforming	14,43%	catching up	12,27%	catching up, then outperforming	54,5000	6,6257	0,1216
BG34	Yugoiztochen	38	47	51	51	49	63	25	12	65,79%	23,53%	44,60%	catching up	36,17%	catching up	15,73%	catching up	13,58%	catching up	49,8333	8,0602	0,1617
BG41	Yugozapaden	49	57	56	59	60	59	10	0	20,41%	0,00%	-0,78%	slower pace	-9,21%	slower pace	-7,80%	slower pace	-9,95%	slower pace	56,6667	4,0332	0,0712
BG42	Yuzhen tsentralen	42	42	46	44	51	51	9	7	21,43%	15,91%	0,24%	slower pace	-8,19%	slower pace	8,11%	catching up	5,96%	catching up	46,0000	4,1473	0,0902
CZ	Czechia	45	48	56	59	59	62	17	3	37,78%	5,08%	16,59%	<i>catching up</i>	8,16%	<i>catching up</i>	-2,71%	<i>slower pace</i>	-4,86%	<i>not at the right pace</i>	54,8333	6,7946	0,1239
CZ01	Praha	55	56	63	65	72	62	7	-3	12,73%	-4,62%	-8,46%	slower pace	-16,89%	flattening, then slower pace	-12,41%	inversion, then diving	-14,56%	inversion, then diving	62,1667	6,2423	0,1004
CZ02	Strední Čechy	46	47	57	63	53	57	11	-6	23,91%	-9,52%	2,72%	slower pace	-5,71%	slower pace	-17,32%	inversion, then diving	-19,47%	inversion, then diving	53,8333	6,5243	0,1212
CZ03	Jihozápad	45	51	57	62	55	60	15	-2	33,33%	-3,23%	12,14%	catching up	3,71%	at the same pace	-11,02%	inversion, then diving	-13,18%	inversion, then diving	55,0000	6,2290	0,1133
CZ04	Severozápad	46	44	55	59	56	63	17	4	36,96%	6,78%	15,77%	catching up	7,33%	catching up	-1,02%	slower pace	-3,17%	not at the right pace	53,8333	7,4140	0,1377
CZ05	Severovýchod	41	42	52	57	60	61	20	4	48,78%	7,02%	27,59%	catching up	19,16%	catching up	-0,78%	slower pace	-2,93%	not at the right pace	52,1667	8,8412	0,1695
CZ06	Jihovýchod	42	48	52	52	58	62	20	10	47,62%	19,23%	26,43%	catching up	18,00%	catching up	11,43%	catching up	9,28%	catching up	52,3333	7,0899	0,1355
CZ07	Střední Morava	41	50	53	56	58	61	20	5	48,78%	8,93%	27,59%	catching up	19,16%	catching up	1,13%	at the same pace	-1,02%	slower pace	53,1667	7,0828	0,1332
CZ08	Moravskoslezsko	46	51	57	61	61	66	20	5	43,48%	8,20%	22,29%	catching up	13,86%	catching up, then outperforming	0,40%	at the same pace	-1,75%	slower pace	57,0000	7,3485	0,1289
EE	Estonia	57	60	62	65	65	67	10	2	17,54%	3,08%	-3,65%	<i>flattening</i>	-12,08%	<i>flattening</i>	-4,72%	<i>flattening</i>	-6,87%	<i>flattening</i>	62,6667	3,7238	0,0594
EE00	Eesti	57	60	62	65	65	67	10	2	17,54%	3,08%	-3,65%	flattening	-12,08%	flattening	-4,72%	flattening	-6,87%	flattening	62,6667	3,7238	0,0594
HR	Croatia	50	47	54	58	57	61	11	3	22,00%	5,17%	0,81%	<i>slower pace</i>	-7,62%	<i>slower pace</i>	-2,62%	<i>slower pace</i>	-4,78%	<i>slower pace</i>	54,5000	5,2440	0,0962
HR03	Jadranska Hrvatska	47	44	57	58	54	62	15	4	31,91%	6,90%	10,73%	catching up	2,29%	at the same pace	-0,90%	slower pace	-3,05%	slower pace	53,6667	6,8896	0,1284
HR04	Kontinentalna Hrvatska	52	49	53	58	59	59	7	1	13,46%	1,72%	-7,73%	slower pace	-16,16%	catching up, then outperforming	-6,07%	slower pace	-8,23%	slower pace	55,0000	4,2426	0,0771
LV	Latvia	57	60	61	65	67	70	13	5	22,81%	7,69%	1,62%	<i>outperforming</i>	-6,82%	<i>outperforming</i>	-0,10%	<i>at the same pace</i>	-2,26%	<i>flattening</i>	63,3333	4,8442	0,0765
LV00	Latvija	57	60	61	65	67	70	13	5	22,81%	7,69%	1,62%	outperforming	-6,82%	outperforming	-0,10%	at the same pace	-2,26%	flattening	63,3333	4,8442	0,0765
LT	Lithuania	50	54	58	61	61	65	15	4	30,00%	6,56%	8,81%	<i>catching up</i>	0,38%	<i>at the same pace</i>	-1,24%	<i>slower pace</i>	-3,39%	<i>flattening</i>	58,1667	5,4191	0,0932
LT01	Sostinės regionas	50	54	59	65	65	68	18	3	36,00%	4,62%	14,81%	outperforming	6,38%	catching up, then outperforming	-3,18%	flattening	-5,33%	flattening	60,1667	7,0828	0,1177
LT02	Vidurio ir vakaru Lietuvos regionas	50	54	58	59	60	64	14	5	28,00%	8,47%	6,81%	catching up	-1,62%	slower pace	0,68%	at the same pace	-1,47%	slower pace	57,5000	4,8888	0,0850

Individuals who used social media channels (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	66	65	65	69	74	77	11	8	16,67%	11,59%	-4,52%	flattening	-12,96%	flattening	3,80%	outperforming	1,64%	outperforming	69,3333	5,0859	0,0734
HU11	Budapest	66	65	71	73	82	84	18	11	27,27%	15,07%	6,08%	outperforming	-2,35%	outperforming	7,27%	outperforming	5,12%	outperforming	73,5000	7,9687	0,1084
HU12	Pest	66	65	66	71	74	78	12	7	18,18%	9,86%	-3,01%	at the same pace	-11,44%	flattening	2,06%	outperforming	-0,09%	outperforming	70,0000	5,2536	0,0751
HU21	Közép-Dunántúl	67	69	71	74	74	78	11	4	16,42%	5,41%	-4,77%	flattening	-13,20%	flattening	-2,39%	flattening	-4,54%	flattening	72,1667	3,9707	0,0550
HU22	Nyugat-Dunántúl	63	61	62	62	71	75	12	13	19,05%	20,97%	-2,14%	at the same pace	-10,57%	flattening	13,17%	outperforming	11,02%	outperforming	65,6667	5,8538	0,0891
HU23	Dél-Dunántúl	62	63	62	66	74	75	13	9	20,97%	13,64%	-0,22%	outperforming	-8,65%	outperforming	5,84%	outperforming	3,69%	outperforming	67,0000	6,0000	0,0896
HU31	Észak-Magyarország	62	62	61	67	72	74	12	7	19,35%	10,45%	-1,83%	at the same pace	-10,27%	flattening	2,65%	outperforming	0,50%	outperforming	66,3333	5,6095	0,0846
HU32	Észak-Alföld	62	60	64	68	73	74	12	6	19,35%	8,82%	-1,83%	at the same pace	-10,27%	flattening	1,03%	outperforming	-1,13%	at the same pace	66,8333	5,8109	0,0869
HU33	Dél-Alföld	62	64	63	67	69	76	14	9	22,58%	13,43%	1,39%	outperforming	-7,04%	outperforming	5,64%	outperforming	3,48%	outperforming	66,8333	5,1929	0,0777
PL	Poland	44	48	50	53	55	57	13	4	29,55%	7,55%	8,36%	catching up	-0,08%	slower pace	-0,25%	slower pace	-2,40%	slower pace	51,1667	4,7924	0,0937
PL2	Makroregion Poludniowy	44	48	50	51	54	56	12	5	27,27%	9,80%	6,08%	at the same pace	-2,35%	slower pace	2,01%	at the same pace	-0,15%	slower pace	50,5000	4,2778	0,0847
PL4	Makroregion Północno-Zachodni	47	51	52	54	55	58	11	4	23,40%	7,41%	2,22%	slower pace	-6,22%	slower pace	-0,39%	slower pace	-2,54%	slower pace	52,8333	3,7639	0,0712
PL5	Makroregion Południowo-Zachodni	44	50	46	52	56	59	15	7	34,09%	13,46%	12,90%	catching up	4,47%	at the same pace	5,66%	catching up	3,51%	catching up	51,1667	5,7417	0,1122
PL6	Makroregion Północny	44	49	53	56	53	57	13	1	29,55%	1,79%	8,36%	catching up	-0,08%	slower pace	-6,01%	slower pace	-8,16%	slower pace	52,0000	4,8166	0,0926
PL7	Makroregion Centralny	45	48	48	52	50	55	10	3	22,22%	5,77%	1,03%	slower pace	-7,40%	slower pace	-2,03%	slower pace	-4,18%	slower pace	49,6667	3,5024	0,0705
PL8	Makroregion Wschodni	41	44	45	49	51	50	9	1	21,95%	2,04%	0,76%	slower pace	-7,67%	slower pace	-5,76%	slower pace	-7,91%	slower pace	46,6667	3,9328	0,0843
PL9	Makroregion Województwo Mazowieckie	:	:	52	55	63	64	:	9	:	16,36%	:	:	:	:	8,57%	catching up	6,41%	catching up	58,5000	5,9161	0,1011
RO	Romania	44	52	61	60	65	69	25	9	56,82%	15,00%	35,63%	catching up, then outperforming	27,20%	catching up, then outperforming	7,20%	catching up, then outperforming	5,05%	outperforming	58,5000	9,0940	0,1555
RO11	Nord-Vest	49	56	65	68	67	73	24	5	48,98%	7,35%	27,79%	catching up, then outperforming	19,36%	catching up, then outperforming	-0,44%	at the same pace	-2,60%	flattening	63,0000	8,8318	0,1402
RO12	Centru	50	52	60	57	64	67	17	10	34,00%	17,54%	12,81%	catching up, then outperforming	4,38%	outperforming	9,75%	catching up, then outperforming	7,59%	catching up, then outperforming	58,3333	6,6533	0,1141
RO21	Nord-Est	44	50	57	60	62	72	28	12	63,64%	20,00%	42,45%	catching up, then outperforming	34,01%	catching up, then outperforming	12,20%	catching up, then outperforming	10,05%	outperforming	57,5000	9,7519	0,1696
RO22	Sud-Est	43	48	55	54	60	63	20	9	46,51%	16,67%	25,32%	catching up	16,89%	catching up	8,87%	catching up	6,72%	catching up	53,8333	7,4140	0,1377
RO31	Sud-Muntania	37	50	56	60	62	68	31	8	83,78%	13,33%	62,59%	catching up, then outperforming	54,16%	catching up, then outperforming	5,54%	catching up, then outperforming	3,38%	outperforming	55,5000	10,8766	0,1960
RO32	Bucuresti-Ilfov	50	56	71	62	67	67	17	5	34,00%	8,06%	12,81%	catching up, then outperforming	4,38%	outperforming	0,27%	at the same pace	-1,88%	flattening	62,1667	7,8846	0,1268
RO41	Sud-Vest Oltenia	41	46	58	56	62	61	20	5	48,78%	8,93%	27,59%	catching up	19,16%	catching up	1,13%	at the same pace	-1,02%	slower pace	54,0000	8,5557	0,1584
RO42	Vest	42	62	64	66	77	76	34	10	80,95%	15,15%	59,76%	catching up, then outperforming	51,33%	catching up, then outperforming	7,35%	outperforming	5,20%	outperforming	64,5000	12,6768	0,1965

Individuals who used social media channels (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
SI	Slovenia	38	45	49	52	67	64	26	12	68,42%	23,08%	47,23%	catching up	38,80%	catching up	15,28%	catching up	13,13%	catching up	52,5000	11,1490	0,2124
SI03	Vzhodna Slovenija	36	45	50	51	65	62	26	11	72,22%	21,57%	51,03%	catching up	42,60%	catching up	13,77%	catching up	11,62%	catching up	51,5000	10,7471	0,2087
SI04	Zahodna Slovenija	41	46	48	53	69	66	25	13	60,98%	24,53%	39,79%	catching up	31,35%	catching up, then outperforming	16,73%	catching up	14,58%	catching up, then outperforming	53,8333	11,3034	0,2100
SK	Slovakia	57	59	60	59	64	65	8	6	14,04%	10,17%	-7,15%	flattening, then slower pace	-15,59%	flattening	2,37%	catching up	0,22%	at the same pace	60,6667	3,1411	0,0518
SK01	Bratislavský kraj	51	59	62	53	64	71	20	18	39,22%	33,96%	18,03%	catching up, then outperforming	9,59%	catching up, then outperforming	26,17%	catching up, then outperforming	24,01%	catching up, then outperforming	60,0000	7,3756	0,1229
SK02	Západné Slovensko	58	59	61	62	66	64	6	2	10,34%	3,23%	-10,84%	flattening, then slower pace	-19,28%	flattening, then slower pace	-4,57%	flattening/slower pace	-6,72%	flattening/slower pace	61,6667	3,0111	0,0488
SK03	Stredné Slovensko	55	55	55	53	65	66	11	13	20,00%	24,53%	-1,19%	at the same pace	-9,62%	flattening	16,73%	catching up	14,58%	catching up, then outperforming	58,1667	5,7417	0,0987
SK04	Východné Slovensko	60	62	61	63	62	61	1	-2	1,67%	-3,17%	-19,52%	flattening, then slower pace	-27,96%	flattening, then slower pace	-10,97%	inversion/diving	-13,12%	inversion/diving	61,5000	1,0488	0,0171

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: Own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 5.: INTERNET USE: INTERACTION WITH PUBLIC AUTHORITIES (PUBAU) – DATA & CALCULATIONS

Individuals who used the Internet to interact with public authorities (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	52	53	55	57	61	67	15	10	28,38%	16,95%	<i>n.r.</i>	<i>n.r.</i>	-6,03%		<i>n.r.</i>	<i>n.r.</i>	0,65%		57,3371	5,4608	0,0952
CSE-11	Central & South-East Europe	39	40	42	45	49	52	13	7	34,42%	16,29%	6,03%		<i>n.r.</i>	<i>n.r.</i>	-0,65%		<i>n.r.</i>	<i>n.r.</i>	44,2639	5,1190	0,1156
BG	Bulgaria	19	21	22	25	27	27	8	2	42,11%	8,00%	13,72%	<i>slower pace</i>	7,69%	<i>slower pace</i>	-8,95%	<i>slower pace</i>	-8,29%	<i>slower pace</i>	23,5000	3,3317	0,1418
BG31	Severozapaden	14	20	20	26	17	18	4	-8	28,57%	-30,77%	0,19%	<i>slower pace</i>	-5,84%	<i>slower pace</i>	-47,71%	<i>diving</i>	-47,06%	<i>diving</i>	19,1667	4,0208	0,2098
BG32	Severen tsentralen	17	20	11	14	17	22	5	8	29,41%	57,14%	1,03%	<i>slower pace</i>	-5,00%	<i>slower pace</i>	40,20%	<i>slower pace</i>	40,85%	<i>catching up</i>	16,8333	3,9707	0,2359
BG33	Severoiztochen	21	18	19	25	26	26	5	1	23,81%	4,00%	-4,57%	<i>slower pace</i>	-10,61%	<i>slower pace</i>	-12,95%	<i>slower pace</i>	-12,29%	<i>slower pace</i>	22,5000	3,6194	0,1609
BG34	Yugoiztochen	16	17	23	22	23	19	3	-3	18,75%	-13,64%	-9,63%	<i>slower pace</i>	-15,67%	<i>slower pace</i>	-30,58%	<i>diving</i>	-29,93%	<i>diving</i>	20,0000	3,0984	0,1549
BG41	Yugozapaden	24	29	29	38	41	36	12	-2	50,00%	-5,26%	21,62%	<i>slower pace</i>	15,58%	<i>slower pace</i>	-22,21%	<i>diving</i>	-21,56%	<i>diving</i>	32,8333	6,4936	0,1978
BG42	Yuzhen tsentralen	14	13	21	15	20	25	11	10	78,57%	66,67%	50,19%	<i>slower pace</i>	44,16%	<i>slower pace</i>	49,72%	at the same pace	50,37%	<i>catching up</i>	18,0000	4,7329	0,2629
CZ	Czechia	36	46	53	54	57	68	32	14	88,89%	25,93%	60,51%	<i>catching up, then outperforming</i>	54,47%	<i>catching up, then outperforming</i>	8,98%	<i>catching up, then outperforming</i>	9,63%	<i>outperforming</i>	52,3333	10,7455	0,2053
CZ01	Praha	38	49	64	67	77	81	43	14	113,16%	20,90%	84,78%	<i>catching up, then outperforming</i>	78,74%	<i>outperforming</i>	3,95%	<i>outperforming</i>	4,60%	<i>outperforming</i>	62,6667	16,4762	0,2629
CZ02	Strední Cechy	44	55	55	56	53	67	23	11	52,27%	19,64%	23,89%	<i>catching up</i>	17,86%	<i>outperforming</i>	2,70%	<i>catching up</i>	3,35%	<i>outperforming</i>	55,0000	7,3485	0,1336
CZ03	Jihozápad	39	48	53	53	44	65	26	12	66,67%	22,64%	38,29%	<i>catching up</i>	32,25%	<i>outperforming</i>	5,70%	<i>catching up</i>	6,35%	<i>outperforming</i>	50,3333	8,9815	0,1784
CZ04	Severozápad	33	45	48	47	45	53	20	6	60,61%	12,77%	32,23%	<i>catching up</i>	26,19%	<i>catching up, then outperforming</i>	-4,18%	<i>slower pace</i>	-3,53%	<i>flattening</i>	45,1667	6,6458	0,1471
CZ05	Severovýchod	36	36	49	51	57	71	35	20	97,22%	39,22%	68,84%	<i>catching up, then outperforming</i>	62,81%	<i>catching up, then outperforming</i>	22,27%	<i>catching up, then outperforming</i>	22,92%	<i>outperforming</i>	50,0000	13,2966	0,2659
CZ06	Jihovýchod	37	47	53	52	55	69	32	17	86,49%	32,69%	58,11%	<i>catching up, then outperforming</i>	52,07%	<i>catching up, then outperforming</i>	15,75%	<i>catching up, then outperforming</i>	16,40%	<i>outperforming</i>	52,1667	10,4770	0,2008
CZ07	Střední Morava	27	39	45	52	64	68	41	16	151,85%	30,77%	123,47%	<i>catching up, then outperforming</i>	117,44%	<i>catching up, then outperforming</i>	13,82%	<i>catching up, then outperforming</i>	14,48%	<i>outperforming</i>	49,1667	15,4585	0,3144
CZ08	Moravskoslezsko	33	44	60	53	61	70	37	17	112,12%	32,08%	83,74%	<i>catching up, then outperforming</i>	77,71%	<i>catching up, then outperforming</i>	15,13%	<i>catching up, then outperforming</i>	15,78%	<i>outperforming</i>	53,5000	13,2778	0,2482
EE	Estonia	77	78	79	80	80	82	5	2	6,49%	2,50%	-21,89%	<i>flattening</i>	-27,92%	<i>flattening</i>	-14,45%	<i>flattening</i>	-13,79%	<i>flattening</i>	79,3333	1,7512	0,0221
EE00	Eesti	77	78	79	80	80	82	5	2	6,49%	2,50%	-21,89%	<i>flattening</i>	-27,92%	<i>flattening</i>	-14,45%	<i>flattening</i>	-13,79%	<i>flattening</i>	79,3333	1,7512	0,0221
HR	Croatia	36	32	36	33	41	45	9	12	25,00%	36,36%	-3,38%	<i>slower pace</i>	-9,42%	<i>slower pace</i>	19,42%	<i>catching up</i>	20,07%	<i>catching up</i>	37,1667	4,9565	0,1334
HR03	Jadranska Hrvatska	34	28	35	34	40	47	13	13	38,24%	38,24%	9,85%	<i>slower pace</i>	3,82%	at the same pace	21,29%	<i>catching up</i>	21,94%	<i>catching up</i>	36,3333	6,4704	0,1781
HR04	Kontinentalna Hrvatska	37	34	37	32	42	42	5	10	13,51%	31,25%	-14,87%	<i>slower pace</i>	-20,90%	<i>slower pace</i>	14,30%	at the same pace	14,96%	<i>catching up</i>	37,3333	4,0825	0,1094
LV	Latvia	69	69	66	70	76	77	8	7	11,59%	10,00%	-16,79%	<i>flattening</i>	-22,82%	<i>flattening</i>	-6,95%	<i>flattening</i>	-6,29%	<i>at the same pace</i>	71,1667	4,3551	0,0612
LV00	Latvija	69	69	66	70	76	77	8	7	11,59%	10,00%	-16,79%	<i>flattening</i>	-22,82%	<i>flattening</i>	-6,95%	<i>flattening</i>	-6,29%	<i>at the same pace</i>	71,1667	4,3551	0,0612
LT	Lithuania	45	48	51	55	58	62	17	7	37,78%	12,73%	9,40%	<i>catching up</i>	3,36%	<i>outperforming</i>	-4,22%	<i>slower pace</i>	-3,56%	<i>at the same pace</i>	53,1667	6,3692	0,1198
LT01	Sostines regionas	45	48	58	62	66	66	21	4	46,67%	6,45%	18,29%	<i>catching up</i>	12,25%	<i>outperforming</i>	-10,49%	<i>flattening</i>	-9,84%	<i>flattening</i>	57,5000	9,0719	0,1578
LT02	Vidurio ir vakaru Lietuvos regionas	45	48	48	52	54	60	15	8	33,33%	15,38%	4,95%	at the same pace	-1,08%	<i>outperforming</i>	-1,56%	<i>slower pace</i>	-0,91%	<i>outperforming</i>	51,1667	5,3821	0,1052

Individuals who used the Internet to interact with public authorities (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	48	47	53	53	60	73	25	20	52,08%	37,74%	23,70%	catching up, then outperforming	17,67%	outperforming	20,79%	catching up, then outperforming	21,44%	outperforming	55,6667	9,6678	0,1737
HU11	Budapest	48	47	73	68	79	89	41	21	85,42%	30,88%	57,04%	catching up, then outperforming	51,00%	outperforming	13,94%	outperforming	14,59%	outperforming	67,3333	16,8839	0,2508
HU12	Pest	48	47	54	55	63	75	27	20	56,25%	36,36%	27,87%	catching up, then outperforming	21,83%	outperforming	19,42%	catching up, then outperforming	20,07%	outperforming	57,0000	10,5262	0,1847
HU21	Közép-Dunántúl	55	59	62	59	63	73	18	14	32,73%	23,73%	4,35%	outperforming	-1,69%	outperforming	6,78%	outperforming	7,44%	outperforming	61,8333	6,1455	0,0994
HU22	Nyugat-Dunántúl	44	44	52	54	59	72	28	18	63,64%	33,33%	35,26%	catching up, then outperforming	29,22%	outperforming	16,39%	catching up, then outperforming	17,04%	outperforming	54,1667	10,5151	0,1941
HU23	Dél-Dunántúl	43	40	43	41	51	67	24	26	55,81%	63,41%	27,43%	catching up	21,40%	outperforming	46,47%	catching up	47,12%	catching up, then outperforming	47,5000	10,3102	0,2171
HU31	Észak-Magyarország	46	46	42	46	56	65	19	19	41,30%	41,30%	12,92%	catching up	6,89%	outperforming	24,36%	catching up	25,01%	outperforming	50,1667	8,6352	0,1721
HU32	Észak-Alföld	39	39	44	45	51	64	25	19	64,10%	42,22%	35,72%	catching up	29,69%	outperforming	25,28%	catching up	25,93%	outperforming	47,0000	9,4446	0,2009
HU33	Dél-Alföld	41	35	45	47	51	69	28	22	68,29%	46,81%	39,91%	catching up, then outperforming	33,88%	outperforming	29,86%	catching up/outperforming	30,52%	outperforming	48,0000	11,6447	0,2426
PL	Poland	30	31	35	40	42	47	17	7	56,67%	17,50%	28,29%	catching up	22,25%	catching up	0,55%	slower pace	1,21%	at the same pace	37,5000	6,6558	0,1775
PL2	Makroregion Południowy	36	31	39	44	42	48	12	4	33,33%	9,09%	4,95%	slower pace	-1,08%	slower pace	-7,85%	slower pace	-7,20%	slower pace	40,0000	6,0332	0,1508
PL4	Makroregion Północno-Zachodni	28	31	33	36	40	48	20	12	71,43%	33,33%	43,05%	catching up	37,01%	catching up	16,39%	catching up	17,04%	catching up	36,0000	7,1833	0,1995
PL5	Makroregion Południowo-Zachodni	27	30	35	43	43	51	24	8	88,89%	18,60%	60,51%	catching up	54,47%	catching up	1,66%	slower pace	2,31%	catching up	38,1667	9,0866	0,2381
PL6	Makroregion Północny	28	33	36	42	39	51	23	9	82,14%	21,43%	53,76%	catching up	47,73%	catching up	4,48%	slower pace	5,14%	catching up	38,1667	7,9352	0,2079
PL7	Makroregion Centralny	33	33	32	38	37	43	10	5	30,30%	13,16%	1,92%	slower pace	-4,11%	slower pace	-3,79%	slower pace	-3,13%	slower pace	36,0000	4,1952	0,1165
PL8	Makroregion Wschodni	26	26	30	34	38	39	13	5	50,00%	14,71%	21,62%	slower pace	15,58%	at the same pace	-2,24%	slower pace	-1,59%	slower pace	32,1667	5,7417	0,1785
PL9	Makroregion Województwo Mazowieckie	:	:	42	46	52	55	:	9	:	19,57%	:	:	:	:	2,62%	slower pace	3,27%	catching up	48,7500	5,8523	0,1200
RO	Romania	9	9	9	12	13	15	6	3	66,67%	25,00%	38,29%	slower pace	32,25%	slower pace	8,05%	slower pace	8,71%	slower pace	11,1667	2,5626	0,2295
RO11	Nord-Vest	9	8	12	11	11	13	4	2	44,44%	18,18%	16,06%	slower pace	10,03%	slower pace	1,24%	slower pace	1,89%	slower pace	10,6667	1,8619	0,1746
RO12	Centru	10	14	11	13	12	17	7	4	70,00%	30,77%	41,62%	slower pace	35,58%	slower pace	13,82%	slower pace	14,48%	slower pace	12,8333	2,4833	0,1935
RO21	Nord-Est	6	8	7	9	10	12	6	3	100,00%	33,33%	71,62%	slower pace	65,58%	slower pace	16,39%	slower pace	17,04%	slower pace	8,6667	2,1602	0,2493
RO22	Sud-Est	6	6	3	9	12	13	7	4	116,67%	44,44%	88,29%	slower pace	82,25%	slower pace	27,50%	slower pace	28,15%	slower pace	8,1667	3,8687	0,4737
RO31	Sud-Muntania	7	6	11	8	10	10	3	2	42,86%	25,00%	14,48%	slower pace	8,44%	slower pace	8,05%	slower pace	8,71%	slower pace	8,6667	1,9664	0,2269
RO32	Bucuresti-Ilfov	19	13	13	21	29	28	9	7	47,37%	33,33%	18,99%	slower pace	12,95%	slower pace	16,39%	slower pace	17,04%	at the same pace	20,5000	6,9785	0,3404
RO41	Sud-Vest Oltenia	12	7	9	13	13	14	2	1	16,67%	7,69%	-11,71%	slower pace	-17,75%	slower pace	-9,25%	slower pace	-8,60%	slower pace	11,3333	2,7325	0,2411
RO42	Vest	5	9	9	11	11	12	7	1	140,00%	9,09%	111,62%	slower pace	105,58%	slower pace	-7,85%	slower pace	-7,20%	slower pace	9,5000	2,5100	0,2642

Individuals who used the Internet to interact with public authorities (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
SI	Slovenia	45	50	54	53	67	69	24	16	53,33%	30,19%	24,95%	catching up, then outperforming	18,92%	outperforming	13,24%	catching up, then outperforming	13,90%	outperforming	56,3333	9,5847	0,1701
SI03	Vzhodna Slovenija	42	48	47	47	63	65	23	18	54,76%	38,30%	26,38%	catching up	20,35%	outperforming	21,35%	catching up	22,01%	outperforming	52,0000	9,5499	0,1837
SI04	Zahodna Slovenija	49	52	62	60	71	73	24	13	48,98%	21,67%	20,60%	catching up, then outperforming	14,56%	outperforming	4,72%	outperforming	5,37%	outperforming	61,1667	9,7040	0,1586
SK	Slovakia	48	47	51	59	62	56	8	-3	16,67%	-5,08%	-11,71%	slower pace	-17,75%	flattening	-22,03%	inversion, then diving	-21,38%	inversion	53,8333	6,1128	0,1136
SK01	Bratislavský kraj	53	52	58	67	74	77	24	10	45,28%	14,93%	16,90%	outperforming	10,87%	outperforming	-2,02%	at the same pace	-1,37%	slower pace	63,5000	10,7471	0,1692
SK02	Západné Slovensko	47	45	52	57	54	53	6	-4	12,77%	-7,02%	-15,61%	slower pace	-21,65%	flattening	-23,96%	diving	-23,31%	inversion	51,3333	4,5019	0,0877
SK03	Stredné Slovensko	47	47	52	57	65	52	5	-5	10,64%	-8,77%	-17,74%	slower pace	-23,78%	flattening	-25,72%	diving	-25,06%	inversion	53,3333	6,8313	0,1281
SK04	Východné Slovensko	48	49	48	60	63	54	6	-6	12,50%	-10,00%	-15,88%	slower pace	-21,92%	flattening	-26,95%	inversion, then diving	-26,29%	inversion	53,6667	6,5320	0,1217

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: Own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 6.: INTERNET USE: INTERNET (ONLINE) BANKING (ONBANK) – DATA & CALCULATIONS

Individuals who used online banking (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	49	52	54	58	61	65	16	8	32,06%	13,10%	<i>n.r.</i>	<i>n.r.</i>	-5,75%		<i>n.r.</i>	<i>n.r.</i>	0,07%		56,6441	5,9402	0,1049
CSE-11	Central & South-East Europe	37	39	42	45	48	51	14	6	37,81%	13,03%	5,75%		<i>n.r.</i>	<i>n.r.</i>	-0,07%		<i>n.r.</i>	<i>n.r.</i>	43,8056	5,4944	0,1254
BG	Bulgaria	4	5	7	9	13	15	11	6	275,00%	66,67%	242,94%	<i>slower pace</i>	237,19%	<i>slower pace</i>	53,57%	<i>slower pace</i>	53,64%	<i>at the same pace</i>	8,8333	4,4008	0,4982
BG31	Severozapaden	2	4	7	8	7	7	5	-1	250,00%	-12,50%	217,94%	slower pace	212,19%	slower pace	-25,60%	diving	-25,53%	diving	5,8333	2,3166	0,3971
BG32	Severozentralen	3	7	6	6	13	17	14	11	466,67%	183,33%	434,60%	slower pace	428,86%	at the same pace	170,23%	catching up	170,31%	catching up	8,6667	5,2409	0,6047
BG33	Severozitochien	4	3	3	6	5	12	8	6	200,00%	100,00%	167,94%	slower pace	162,19%	slower pace	86,90%	slower pace	86,97%	at the same pace	5,5000	3,3912	0,6166
BG34	Yugoiztochen	4	4	5	8	7	11	7	3	175,00%	37,50%	142,94%	slower pace	137,19%	slower pace	24,40%	slower pace	24,47%	slower pace	6,5000	2,7386	0,4213
BG41	Yugozapaden	8	10	12	15	24	25	17	10	212,50%	66,67%	180,44%	catching up	174,69%	catching up	53,57%	catching up	53,64%	catching up	15,6667	7,2296	0,4615
BG42	Yuzhenzentralen	2	2	5	4	6	7	5	3	250,00%	75,00%	217,94%	slower pace	212,19%	slower pace	61,90%	slower pace	61,97%	slower pace	4,3333	2,0656	0,4767
CZ	Czechia	51	57	62	68	70	73	22	5	43,14%	7,35%	11,08%	<i>outperforming</i>	5,33%	<i>outperforming</i>	-5,75%	<i>flattening</i>	-5,67%	<i>flattening</i>	63,5000	8,4083	0,1324
CZ01	Praha	52	58	68	77	79	80	28	3	53,85%	3,90%	21,78%	outperforming	16,04%	outperforming	-9,20%	flattening	-9,13%	flattening	69,0000	11,7983	0,1710
CZ02	Střední Čechy	52	61	66	69	68	73	21	4	40,38%	5,80%	8,32%	outperforming	2,58%	outperforming	-7,30%	flattening	-7,23%	flattening	64,8333	7,4140	0,1144
CZ03	Jihozápad	52	55	61	66	66	69	17	3	32,69%	4,55%	0,63%	outperforming	-5,12%	outperforming	-8,55%	flattening	-8,48%	flattening	61,5000	6,7750	0,1102
CZ04	Severozápad	44	51	59	58	68	65	21	7	47,73%	12,07%	15,67%	catching up	9,92%	outperforming	-1,03%	slower pace	-0,96%	outperforming	57,5000	8,8713	0,1543
CZ05	Severovýchod	58	58	66	70	71	75	17	5	29,31%	7,14%	-2,75%	outperforming	-8,50%	outperforming	-5,96%	flattening	-5,88%	flattening	66,3333	7,0616	0,1065
CZ06	Jihovýchod	51	58	61	69	68	74	23	5	45,10%	7,25%	13,04%	outperforming	7,29%	outperforming	-5,85%	flattening	-5,78%	flattening	63,5000	8,4083	0,1324
CZ07	Střední Morava	51	54	57	64	68	71	20	7	39,22%	10,94%	7,15%	outperforming	1,41%	outperforming	-2,16%	slower pace	-2,09%	outperforming	60,8333	8,0353	0,1321
CZ08	Moravskoslezsko	50	56	62	68	70	73	23	5	46,00%	7,35%	13,94%	outperforming	8,19%	outperforming	-5,75%	flattening	-5,67%	flattening	63,1667	8,8638	0,1403
EE	Estonia	79	79	80	81	80	82	3	1	3,80%	1,23%	-28,26%	<i>flattening</i>	-34,01%	<i>flattening</i>	-11,86%	<i>flattening</i>	-11,79%	<i>flattening</i>	80,1667	1,1690	0,0146
EE00	Eesti	79	79	80	81	80	82	3	1	3,80%	1,23%	-28,26%	flattening	-34,01%	flattening	-11,86%	flattening	-11,79%	flattening	80,1667	1,1690	0,0146
HR	Croatia	38	33	41	46	50	56	18	10	47,37%	21,74%	15,31%	<i>catching up</i>	9,56%	<i>outperforming</i>	8,64%	<i>catching up</i>	8,71%	<i>outperforming</i>	44,0000	8,3666	0,1902
HR03	Jadranska Hrvatska	38	28	42	49	49	56	18	7	47,37%	14,29%	15,31%	catching up	9,56%	outperforming	1,19%	slower pace	1,26%	outperforming	43,6667	9,8928	0,2266
HR04	Kontinentalna Hrvatska	39	36	40	45	51	51	12	6	30,77%	13,33%	-1,29%	slower pace	-7,04%	flattening	0,23%	slower pace	0,31%	at the same pace	43,6667	6,3770	0,1460
LV	Latvia	62	61	66	72	76	80	18	8	29,03%	11,11%	-3,03%	<i>outperforming</i>	-8,78%	<i>outperforming</i>	-1,99%	<i>at the same pace</i>	-1,92%	<i>outperforming</i>	69,5000	7,7395	0,1114
LV00	Latvija	62	61	66	72	76	80	18	8	29,03%	11,11%	-3,03%	outperforming	-8,78%	outperforming	-1,99%	at the same pace	-1,92%	outperforming	69,5000	7,7395	0,1114
LT	Lithuania	54	56	61	65	68	72	18	7	33,33%	10,77%	1,27%	<i>outperforming</i>	-4,47%	<i>outperforming</i>	-2,33%	<i>flattening</i>	-2,26%	<i>outperforming</i>	62,6667	6,9761	0,1113
LT01	Sostinės regionas	54	56	65	70	77	79	25	9	46,30%	12,86%	14,23%	outperforming	8,49%	outperforming	-0,24%	outperforming	-0,17%	outperforming	66,8333	10,4579	0,1565
LT02	Vidurio ir vakaru Lietuvos regionas	54	56	59	63	64	70	16	7	29,63%	11,11%	-2,43%	at the same pace	-8,18%	outperforming	-1,99%	flattening	-1,92%	outperforming	61,0000	5,8652	0,0962

Individuals who used online banking (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	35	38	41	47	51	56	21	9	60,00%	19,15%	27,94%	catching up	22,19%	catching up, then outperforming	6,05%	catching up	6,12%	outperforming	44,6667	8,0664	0,1806
HU11	Budapest	35	38	59	61	68	76	41	15	117,14%	24,59%	85,08%	catching up, then outperforming	79,34%	catching up, then outperforming	11,49%	outperforming	11,56%	outperforming	56,1667	16,3880	0,2918
HU12	Pest	35	38	43	49	51	54	19	5	54,29%	10,20%	22,22%	catching up	16,48%	catching up, then outperforming	-2,90%	slower pace	-2,82%	flattening	45,0000	7,5631	0,1681
HU21	Közép-Dunántúl	37	44	48	56	52	58	21	2	56,76%	3,57%	24,69%	catching up	18,95%	overperforming	-9,53%	slower pace	-9,46%	flattening	49,1667	7,8592	0,1598
HU22	Nyugat-Dunántúl	31	36	42	48	51	57	26	9	83,87%	18,75%	51,81%	catching up	46,06%	catching up, then outperforming	5,65%	catching up	5,72%	outperforming	44,1667	9,7040	0,2197
HU23	Dél-Dunántúl	39	35	34	38	45	51	12	13	30,77%	34,21%	-1,29%	slower pace	-7,04%	flattening	21,11%	catching up	21,18%	catching up	40,3333	6,5013	0,1612
HU31	Észak-Magyarország	25	27	29	34	42	48	23	14	92,00%	41,18%	59,94%	catching up	54,19%	catching up	28,08%	catching up	28,15%	catching up	34,1667	9,1086	0,2666
HU32	Észak-Alföld	26	28	32	40	44	46	20	6	76,92%	15,00%	44,86%	catching up	39,12%	catching up	1,90%	slower pace	1,97%	at the same pace	36,0000	8,4853	0,2357
HU33	Dél-Alföld	30	32	36	40	49	52	22	12	73,33%	30,00%	41,27%	catching up	35,53%	catching up	16,90%	catching up	16,97%	catching up	39,8333	8,9981	0,2259
PL	Poland	39	40	44	47	49	52	13	5	33,33%	10,64%	1,27%	slower pace	-4,47%	flattening	-2,46%	slower pace	-2,39%	flattening	45,1667	5,1153	0,1133
PL2	Makroregion Poludniowy	45	41	47	50	49	51	6	1	13,33%	2,00%	-18,73%	slower pace	-24,47%	flattening	-11,10%	slower pace	-11,03%	flattening	47,1667	3,7103	0,0787
PL4	Makroregion Północno-Zachodni	38	40	43	45	47	52	14	7	36,84%	15,56%	4,78%	slower pace	-0,97%	flattening	2,46%	slower pace	2,53%	outperforming	44,1667	5,0365	0,1140
PL5	Makroregion Poludniowo-Zachodni	39	41	44	52	52	60	21	8	53,85%	15,38%	21,78%	catching up	16,04%	outperforming	2,29%	at the same pace	2,36%	outperforming	48,0000	8,0250	0,1672
PL6	Makroregion Północny	41	43	48	49	50	53	12	4	29,27%	8,16%	-2,79%	slower pace	-8,54%	flattening	-4,94%	slower pace	-4,86%	flattening	47,3333	4,5019	0,0951
PL7	Makroregion Centralny	40	43	39	43	47	50	10	7	25,00%	16,28%	-7,06%	slower pace	-12,81%	flattening/ slower pace	3,18%	slower pace	3,25%	catching up	43,6667	4,1793	0,0957
PL8	Makroregion Wschodni	30	32	37	39	43	44	14	5	46,67%	12,82%	14,60%	slower pace	8,86%	at the same pace	-0,28%	slower pace	-0,21%	slower pace	37,5000	5,6833	0,1516
PL9	Makroregion Województwo Mazowieckie	:	:	48	53	57	60	:	7	:	13,21%	:	:	:	:	0,11%	slower pace	0,18%	outperforming	54,5000	5,1962	0,0953
RO	Romania	5	7	7	8	12	15	10	7	200,00%	87,50%	167,94%	slower pace	162,19%	slower pace	74,40%	slower pace	74,47%	catching up	9,0000	3,7417	0,4157
RO11	Nord-Vest	10	11	9	13	14	17	7	4	70,00%	30,77%	37,94%	slower pace	32,19%	slower pace	17,67%	slower pace	17,74%	slower pace	12,3333	2,9439	0,2387
RO12	Centru	5	7	9	12	14	21	16	9	320,00%	75,00%	287,94%	at the same pace	282,19%	catching up	61,90%	catching up	61,97%	catching up	11,3333	5,7504	0,5074
RO21	Nord-Est	6	7	7	6	8	15	9	9	150,00%	150,00%	117,94%	slower pace	112,19%	slower pace	136,90%	catching up	136,97%	catching up	8,1667	3,4303	0,4200
RO22	Sud-Est	2	6	4	4	7	7	5	3	250,00%	75,00%	217,94%	slower pace	212,19%	slower pace	61,90%	slower pace	61,97%	slower pace	5,0000	2,0000	0,4000
RO31	Sud-Muntania	2	3	3	5	9	12	10	7	500,00%	140,00%	467,94%	slower pace	462,19%	slower pace	126,90%	slower pace	126,97%	catching up	5,6667	3,9833	0,7029
RO32	Bucuresti-Ifov	9	13	15	14	23	28	19	14	211,11%	100,00%	179,05%	catching up	173,30%	catching up	86,90%	catching up	86,97%	catching up	17,0000	7,0711	0,4159
RO41	Sud-Vest Oltenia	2	2	4	6	11	11	9	5	450,00%	83,33%	417,94%	slower pace	412,19%	slower pace	70,23%	slower pace	70,31%	slower pace	6,0000	4,1473	0,6912
RO42	Vest	4	4	4	6	6	12	8	6	200,00%	100,00%	167,94%	slower pace	162,19%	slower pace	86,90%	slower pace	86,97%	at the same pace	6,0000	3,0984	0,5164

Individuals who used online banking (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
SI	Slovenia	35	39	42	47	52	57	22	10	62,86%	21,28%	30,80%	catching up	25,05%	catching up, then outperforming	8,18%	catching up	8,25%	outperforming	45,3333	8,2624	0,1823
SI03	Vzhodna Slovenija	32	37	38	43	51	52	20	9	62,50%	20,93%	30,44%	catching up	24,69%	catching up, then outperforming	7,83%	catching up	7,90%	catching up, then outperforming	42,1667	8,0353	0,1906
SI04	Zahodna Slovenija	39	42	46	52	53	63	24	11	61,54%	21,15%	29,48%	catching up	23,73%	outperforming	8,05%	catching up	8,13%	outperforming	49,1667	8,7044	0,1770
SK	Slovakia	45	51	50	55	58	58	13	3	28,89%	5,45%	-3,17%	slower pace	-8,92%	flattening	-7,64%	slower pace	-7,57%	flattening	52,8333	5,1153	0,0968
SK01	Bratislavský kraj	54	51	56	56	68	71	17	15	31,48%	26,79%	-0,58%	outperforming	-6,33%	outperforming	13,69%	catching up, then outperforming	13,76%	outperforming	59,3333	8,1404	0,1372
SK02	Západné Slovensko	41	48	51	55	54	55	14	0	34,15%	0,00%	2,08%	slower pace	-3,66%	at the same pace	-13,10%	slower pace	-13,03%	flattening	50,6667	5,4650	0,1079
SK03	Stredné Slovensko	45	56	48	55	61	57	12	2	26,67%	3,64%	-5,40%	slower pace	-11,14%	flattening	-9,46%	slower pace	-9,39%	flattening	53,6667	5,9889	0,1116
SK04	Východné Slovensko	47	51	47	53	57	57	10	4	21,28%	7,55%	-10,79%	slower pace	-16,53%	flattening	-5,55%	slower pace	-5,48%	flattening	52,0000	4,5166	0,0869

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: Own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 7.: ONLINE PURCHASES FROM SELLERS FROM OTHER EU COUNTRIES (ORDER) – DATA & CALCULATIONS

Individuals who ordered goods online from other EU Member States (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	23	24	25	27	21	24	2	-2	7,57%	-8,90%	<i>n.r.</i>	<i>n.r.</i>	-21,10%		<i>n.r.</i>	<i>n.r.</i>	-4,74%		23,9812	2,1214	0,0885
CSE-11	Central & South-East Europe	12	12	14	16	12	15	3	-1	28,67%	-4,17%	21,10%		<i>n.r.</i>	<i>n.r.</i>	4,74%		<i>n.r.</i>	<i>n.r.</i>	13,6250	1,7770	0,1304
BG	Bulgaria	7	6	7	9	5	6	-1	-3	-14,29%	-33,33%	-21,85%	<i>diving</i>	-42,96%	<i>diving</i>	-24,43%	<i>falling away</i>	-29,17%	<i>falling away</i>	6,6667	1,3663	0,2049
BG31	Severozapaden	6	4	5	9	3	3	-3	-6	-50,00%	-66,67%	-57,57%	diving	-78,67%	diving	-57,76%	falling away	-62,50%	falling away	5,0000	2,2804	0,4561
BG32	Severen tsentralen	5	5	3	5	2	4	-1	-1	-20,00%	-20,00%	-27,57%	diving	-48,67%	diving	-11,10%	reacting better	-15,83%	at the same pace	4,0000	1,2649	0,3162
BG33	Severoiztochen	6	6	10	12	5	5	-1	-7	-16,67%	-58,33%	-24,23%	diving	-45,34%	diving	-49,43%	falling away	-54,17%	falling away	7,3333	2,9439	0,4014
BG34	Yugoiztochen	3	3	5	7	3	5	2	-2	66,67%	-28,57%	59,10%	at the same pace	38,00%	slower pace	-19,67%	at the same pace	-24,40%	falling away	4,3333	1,6330	0,3768
BG41	Yugozapaden	12	11	13	14	11	9	-3	-5	-25,00%	-35,71%	-32,57%	diving	-53,67%	diving	-26,81%	falling away	-31,55%	falling away	11,6667	1,7512	0,1501
BG42	Yuzhen tsentralen	4	3	3	5	3	5	1	0	25,00%	0,00%	17,43%	slower pace	-3,67%	slower pace	8,90%	reacting better	4,17%	reacting better	3,8333	0,9832	0,2565
CZ	Czechia	9	8	11	13	13	17	8	4	88,89%	30,77%	81,32%	<i>catching up</i>	60,22%	<i>catching up, then outperforming</i>	39,67%	<i>recovering</i>	34,94%	<i>recovering, then escaping</i>	11,8333	3,2506	0,2747
CZ01	Praha	14	16	16	33	26	27	13	-6	92,86%	-18,18%	85,29%	catching up, then outperforming	64,19%	outperforming	-9,28%	underperforming	-14,02%	underperforming	22,0000	7,7201	0,3509
CZ02	Strední Čechy	12	12	8	8	10	13	1	5	8,33%	62,50%	0,77%	slower pace	-20,34%	slower pace	71,40%	recovering	66,67%	recovering	10,5000	2,1679	0,2065
CZ03	Jihozápad	10	9	11	14	13	14	4	0	40,00%	0,00%	32,43%	catching up	11,33%	catching up	8,90%	reacting better	4,17%	reacting better	11,8333	2,1370	0,1806
CZ04	Severozápad	7	5	10	11	13	14	7	3	100,00%	27,27%	92,43%	catching up	71,33%	catching up	36,17%	recovering	31,44%	recovering	10,0000	3,4641	0,3464
CZ05	Severovýchod	3	4	8	10	9	12	9	2	300,00%	20,00%	292,43%	catching up	271,33%	catching up	28,90%	recovering	24,17%	recovering	7,6667	3,5024	0,4568
CZ06	Jihovýchod	8	5	11	10	16	20	12	10	150,00%	100,00%	142,43%	catching up	121,33%	catching up, then outperforming	108,90%	recovering	104,17%	recovering, then escaping	11,6667	5,4650	0,4684
CZ07	Střední Morava	11	10	15	13	10	18	7	5	63,64%	38,46%	56,07%	catching up	34,97%	catching up, then outperforming	47,36%	recovering	42,63%	recovering, then escaping	12,8333	3,1885	0,2485
CZ08	Moravskoslezsko	5	6	9	9	11	13	8	4	160,00%	44,44%	152,43%	catching up	131,33%	catching up	53,35%	recovering	48,61%	recovering	8,8333	2,9944	0,3390
EE	Estonia	23	26	29	30	18	24	1	-6	4,35%	-20,00%	-3,22%	<i>flattening, then slower pace</i>	-24,32%	<i>flattening</i>	-11,10%	<i>underperforming</i>	-15,83%	<i>underperforming</i>	25,0000	4,3818	0,1753
EE00	Eesti	23	26	29	30	18	24	1	-6	4,35%	-20,00%	-3,22%	flattening, then slower pace	-24,32%	flattening	-11,10%	underperforming	-15,83%	underperforming	25,0000	4,3818	0,1753
HR	Croatia	15	11	14	18	17	19	4	1	26,67%	5,56%	19,10%	<i>catching up</i>	-2,00%	<i>outperforming</i>	14,46%	<i>recovering</i>	9,72%	<i>escaping</i>	15,6667	2,9439	0,1879
HR03	Jadranska Hrvatska	17	10	15	19	21	21	4	2	23,53%	10,53%	15,96%	catching up	-5,14%	outperforming	19,43%	recovering	14,69%	escaping	17,1667	4,2151	0,2455
HR04	Kontinentalna Hrvatska	15	12	14	17	16	16	1	-1	6,67%	-5,88%	-0,90%	slower pace	-22,00%	flattening	3,02%	underperforming	-1,72%	at the same pace	15,0000	1,7889	0,1193
LV	Latvia	20	21	19	21	15	21	1	0	5,00%	0,00%	-2,57%	<i>slower pace</i>	-23,67%	<i>flattening</i>	8,90%	<i>reacting better</i>	4,17%	<i>defending better</i>	19,5000	2,3452	0,1203
LV00	Latvija	20	21	19	21	15	21	1	0	5,00%	0,00%	-2,57%	slower pace	-23,67%	flattening	8,90%	reacting better	4,17%	defending better	19,5000	2,3452	0,1203
LT	Lithuania	12	14	19	20	13	18	6	-2	50,00%	-10,00%	42,43%	<i>catching up</i>	21,33%	<i>outperforming</i>	-1,10%	<i>at the same pace</i>	-5,83%	<i>underperforming</i>	16,0000	3,4059	0,2129
LT01	Sostinės regionas	12	14	27	30	18	24	12	-6	100,00%	-20,00%	92,43%	catching up	71,33%	outperforming	-11,10%	underperforming	-15,83%	underperforming	20,8333	7,2778	0,3493
LT02	Vidurio ir vakaru Lietuvos regionas	12	14	15	15	11	16	4	1	33,33%	6,67%	25,77%	catching up	4,66%	outperforming	15,57%	recovering	10,83%	recovering, then escaping	13,8333	1,9408	0,1403

Individuals who ordered goods online from other EU Member States (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	12	12	16	22	19	16	4	-6	33,33%	-27,27%	25,77%	catching up	4,66%	outperforming	-18,37%	falling away	-23,11%	underperforming	16,1667	3,9200	0,2425
HU11	Budapest	12	12	25	31	27	23	11	-8	91,67%	-25,81%	84,10%	catching up	63,00%	outperforming	-16,90%	underperforming, then falling away	-21,64%	underperforming	21,6667	7,9415	0,3665
HU12	Pest	12	12	14	27	16	13	1	-14	8,33%	-51,85%	0,77%	slower pace	-20,34%	slower pace	-42,95%	falling away	-47,69%	underperforming, then falling away	15,6667	5,7504	0,3670
HU21	Közép-Dunántúl	13	17	25	31	21	19	6	-12	46,15%	-38,71%	38,59%	catching up	17,48%	outperforming	-29,81%	underperforming, then falling away	-34,54%	underperforming	21,0000	6,3246	0,3012
HU22	Nyugat-Dunántúl	15	14	21	23	23	20	5	-3	33,33%	-13,04%	25,77%	catching up	4,66%	outperforming	-4,14%	falling away	-8,88%	underperforming	19,3333	3,9328	0,2034
HU23	Dél-Dunántúl	12	9	12	15	16	16	4	1	33,33%	6,67%	25,77%	catching up	4,66%	outperforming	15,57%	recovering	10,83%	recovering, then escaping	13,3333	2,8048	0,2104
HU31	Észak-Magyarország	7	8	8	13	17	14	7	1	100,00%	7,69%	92,43%	catching up	71,33%	catching up	16,59%	recovering	11,86%	recovering	11,1667	4,0702	0,3645
HU32	Észak-Alföld	9	8	11	16	15	12	3	-4	33,33%	-25,00%	25,77%	catching up	4,66%	at the same pace	-16,10%	falling away	-20,83%	falling away	11,8333	3,1885	0,2695
HU33	Dél-Alföld	12	9	14	14	17	12	0	-2	0,00%	-14,29%	-7,57%	slower pace	-28,67%	slower pace	-5,38%	at the same pace	-10,12%	falling away	13,0000	2,6833	0,2064
PL	Poland	4	5	6	6	4	6	2	0	50,00%	0,00%	42,43%	at the same pace	21,33%	slower pace	8,90%	reacting better	4,17%	reacting better	5,1667	0,9832	0,1903
PL2	Makroregion Poludniowy	4	5	6	9	6	6	2	-3	50,00%	-33,33%	42,43%	at the same pace	21,33%	slower pace	-24,43%	falling away	-29,17%	falling away	6,0000	1,6733	0,2789
PL4	Makroregion Północno-Zachodni	3	4	5	6	5	6	3	0	100,00%	0,00%	92,43%	catching up	71,33%	at the same pace	8,90%	reacting better	4,17%	reacting better	4,8333	1,1690	0,2419
PL5	Makroregion Południowo-Zachodni	4	4	5	9	5	6	2	-3	50,00%	-33,33%	42,43%	at the same pace	21,33%	slower pace	-24,43%	falling away	-29,17%	falling away	5,5000	1,8708	0,3402
PL6	Makroregion Północny	4	4	5	4	4	5	1	1	25,00%	25,00%	17,43%	slower pace	-3,67%	slower pace	33,90%	recovering	29,17%	recovering	4,3333	0,5164	0,1192
PL7	Makroregion Centralny	6	7	5	4	2	3	-3	-1	-50,00%	-25,00%	-57,57%	diving	-78,67%	diving	-16,10%	reacting better	-20,83%	at the same pace	4,5000	1,8708	0,4157
PL8	Makroregion Wschodni	2	3	3	4	2	3	1	-1	50,00%	-25,00%	42,43%	slower pace	21,33%	slower pace	-16,10%	reacting better	-20,83%	at the same pace	2,8333	0,7528	0,2657
PL9	Makroregion Województwo Mazowieckie	:	:	10	10	6	9	:	-1	:	-10,00%	:	:	:	:	-1,10%	reacting better	-5,83%	at the same pace	8,7500	1,8930	0,2163
RO	Romania	2	3	3	4	2	4	2	0	100,00%	0,00%	92,43%	at the same pace	71,33%	slower pace	8,90%	reacting better	4,17%	reacting better	3,0000	0,8944	0,2981
RO11	Nord-Vest	2	3	3	4	3	3	1	-1	50,00%	-25,00%	42,43%	slower pace	21,33%	slower pace	-16,10%	reacting better	-20,83%	at the same pace	3,0000	0,6325	0,2108
RO12	Centru	1	3	2	2	2	4	3	2	300,00%	100,00%	292,43%	catching up	271,33%	at the same pace	108,90%	recovering	104,17%	recovering	2,3333	1,0328	0,4426
RO21	Nord-Est	2	2	3	2	1	2	0	0	0,00%	0,00%	-7,57%	slower pace	-28,67%	slower pace	8,90%	reacting better	4,17%	reacting better	2,0000	0,6325	0,3162
RO22	Sud-Est	2	1	2	3	2	1	-1	-2	-50,00%	-66,67%	-57,57%	diving	-78,67%	diving	-57,76%	at the same pace	-62,50%	falling away	1,8333	0,7528	0,4106
RO31	Sud-Muntenia	3	2	1	2	2	2	-1	0	-33,33%	0,00%	-40,90%	diving	-62,00%	diving	8,90%	reacting better	4,17%	reacting better	2,0000	0,6325	0,3162
RO32	Bucuresti-Ilfrov	6	8	7	9	4	13	7	4	116,67%	44,44%	109,10%	catching up	88,00%	catching up	53,35%	recovering	48,61%	recovering	7,8333	3,0605	0,3907
RO41	Sud-Vest Oltenia	3	2	0	3	2	4	1	1	33,33%	33,33%	25,77%	slower pace	4,66%	slower pace	42,24%	recovering	37,50%	recovering	2,3333	1,3663	0,5855
RO42	Vest	1	5	2	4	1	6	5	2	500,00%	50,00%	492,43%	catching up	471,33%	catching up	58,90%	recovering	54,17%	recovering	3,1667	2,1370	0,6748

Individuals who ordered goods online from other EU Member States (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
SI	Slovenia	17	22	22	25	21	29	12	4	70,59%	16,00%	63,02%	<i>catching up, then outperforming</i>	41,92%	<i>outperforming</i>	24,90%	<i>recovering, then escaping</i>	20,17%	<i>escaping</i>	22,6667	4,0332	0,1779
SI03	Vzhodna Slovenija	15	21	20	20	20	26	11	6	73,33%	30,00%	65,77%	catching up, then outperforming	44,66%	outperforming	38,90%	recovering, then escaping	34,17%	escaping	20,3333	3,5024	0,1722
SI04	Zahodna Slovenija	19	23	24	31	23	34	15	3	78,95%	9,68%	71,38%	catching up, then outperforming	50,28%	outperforming	18,58%	escaping	13,84%	escaping	25,6667	5,6451	0,2199
SK	Slovakia	22	21	23	24	17	24	2	0	9,09%	0,00%	1,52%	<i>at the same pace</i>	-19,58%	<i>flattening</i>	8,90%	<i>reacting better</i>	4,17%	<i>defending better</i>	21,8333	2,6394	0,1209
SK01	Bratislavský kraj	25	27	30	27	25	30	5	3	20,00%	11,11%	12,43%	outperforming	-8,67%	outperforming	20,01%	escaping	15,28%	escaping	27,3333	2,2509	0,0824
SK02	Západné Slovensko	20	21	21	26	18	23	3	-3	15,00%	-11,54%	7,43%	catching up	-13,67%	at the same pace	-2,64%	falling away	-7,37%	underperforming	21,5000	2,7386	0,1274
SK03	Stredné Slovensko	24	20	23	20	18	25	1	5	4,17%	25,00%	-3,40%	flattening	-24,50%	flattening	33,90%	recovering/escaping	29,17%	escaping	21,6667	2,7325	0,1261
SK04	Východné Slovensko	24	21	23	24	13	21	-3	-3	-12,50%	-12,50%	-20,07%	inversion, then diving	-41,17%	inversion	-3,60%	falling away	-8,33%	underperforming	21,0000	4,1473	0,1975

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: Own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 8.: INTERNET USE: SELLING GOODS OR SERVICES ONLINE (ONSELL) – DATA & CALCULATIONS

Individuals who sold goods and services online (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
EU-27	European Union	15	16	17	17	18	21	6	4	37,10%	24,36%	<i>n.r.</i>	<i>n.r.</i>	2,02%		<i>n.r.</i>	<i>n.r.</i>	0,39%		17,3129	1,9504	0,1127
CSE-11	Central & South-East Europe	11	11	13	12	15	15	4	3	35,07%	23,97%	-2,02%		<i>n.r.</i>	<i>n.r.</i>	-0,39%		<i>n.r.</i>	<i>n.r.</i>	12,9444	1,6403	0,1267
BG	Bulgaria	6	5	8	6	7	6	0	0	0,00%	0,00%	-37,10%	<i>slower pace</i>	-35,07%	<i>slower pace</i>	-24,36%	<i>slower pace</i>	-23,97%	<i>slower pace</i>	6,3333	1,0328	0,1631
BG31	Severozapaden	7	4	6	7	6	4	-3	-3	-42,86%	-42,86%	-79,95%	diving	-77,93%	diving	-67,22%	diving	-66,83%	diving	5,6667	1,3663	0,2411
BG32	Severen tsentralen	5	6	10	5	8	7	2	2	40,00%	40,00%	2,90%	slower pace	4,93%	slower pace	15,64%	slower pace	16,03%	slower pace	6,8333	1,9408	0,2840
BG33	Severozitochten	6	3	5	8	10	8	2	0	33,33%	0,00%	-3,76%	slower pace	-1,74%	slower pace	-24,36%	slower pace	-23,97%	slower pace	6,6667	2,5033	0,3755
BG34	Yugoiztochten	4	4	8	4	3	5	1	1	25,00%	25,00%	-12,10%	slower pace	-10,07%	slower pace	0,64%	slower pace	1,03%	slower pace	4,6667	1,7512	0,3753
BG41	Yugozapaden	9	6	12	8	9	7	-2	-1	-22,22%	-12,50%	-59,32%	diving	-57,30%	diving	-36,86%	diving	-36,47%	diving	8,5000	2,0736	0,2440
BG42	Yuzhen tsentralen	5	5	6	5	5	5	0	0	0,00%	0,00%	-37,10%	slower pace	-35,07%	slower pace	-24,36%	slower pace	-23,97%	slower pace	5,1667	0,4082	0,0790
CZ	Czechia	12	11	14	12	11	10	-2	-2	-16,67%	-16,67%	-53,76%	<i>diving</i>	-51,74%	<i>inversion, then diving</i>	-41,03%	<i>diving</i>	-40,64%	<i>diving</i>	11,6667	1,3663	0,1171
CZ01	Praha	19	20	18	20	15	17	-2	-3	-10,53%	-15,00%	-47,62%	inversion, then diving	-45,60%	inversion	-39,36%	inversion, then diving	-38,97%	diving	18,1667	1,9408	0,1068
CZ02	Strední Čechy	19	18	16	13	13	6	-13	-7	-68,42%	-53,85%	-105,52%	inversion, then diving	-103,50%	inversion, then diving	-78,21%	diving	-77,82%	inversion, then diving	14,1667	4,7081	0,3323
CZ03	Jihozápad	13	13	14	14	10	9	-4	-5	-30,77%	-35,71%	-67,87%	diving	-65,84%	inversion, then diving	-60,08%	diving	-59,69%	inversion, then diving	12,1667	2,1370	0,1756
CZ04	Severozápad	6	6	14	7	6	8	2	1	33,33%	14,29%	-3,76%	slower pace	-1,74%	slower pace	-10,08%	slower pace	-9,69%	slower pace	7,8333	3,1252	0,3990
CZ05	Severovýchod	11	8	13	11	13	14	3	3	27,27%	27,27%	-9,82%	slower pace	-7,80%	slower pace	2,91%	slower pace	3,30%	at the same pace	11,6667	2,1602	0,1852
CZ06	Jihovýchod	8	9	13	10	11	9	1	-1	12,50%	-10,00%	-24,60%	slower pace	-22,57%	slower pace	-34,36%	diving	-33,97%	diving	10,0000	1,7889	0,1789
CZ07	Strední Morava	8	8	11	10	9	12	4	2	50,00%	20,00%	12,90%	slower pace	14,93%	at the same pace	-4,36%	slower pace	-3,97%	slower pace	9,6667	1,6330	0,1689
CZ08	Moravskoslezsko	13	9	14	14	8	9	-4	-5	-30,77%	-35,71%	-67,87%	diving	-65,84%	inversion, then diving	-60,08%	diving	-59,69%	inversion, then diving	11,1667	2,7869	0,2496
EE	Estonia	19	18	24	18	21	23	4	5	21,05%	27,78%	-16,04%	<i>flattening</i>	-14,02%	<i>at the same pace</i>	3,42%	<i>outperforming</i>	3,81%	<i>outperforming</i>	20,5000	2,5884	0,1263
EE00	Eesti	19	18	24	18	21	23	4	5	21,05%	27,78%	-16,04%	flattening	-14,02%	at the same pace	3,42%	outperforming	3,81%	outperforming	20,5000	2,5884	0,1263
HR	Croatia	28	25	25	22	23	26	-2	4	-7,14%	18,18%	-44,24%	<i>inversion</i>	-42,22%	<i>inversion</i>	-6,18%	at the same pace	-5,79%	outperforming	24,8333	2,1370	0,0861
HR03	Jadranska Hrvatska	23	18	21	19	20	25	2	6	8,70%	31,58%	-28,40%	flattening	-26,38%	flattening	7,22%	outperforming	7,61%	outperforming	21,0000	2,6077	0,1242
HR04	Kontinentalna Hrvatska	30	28	27	23	24	24	-6	1	-20,00%	4,35%	-57,10%	inversion	-55,07%	inversion	-20,01%	<i>flattening</i>	-19,62%	<i>flattening</i>	26,0000	2,7568	0,1060
LV	Latvia	5	8	10	9	12	13	8	4	160,00%	44,44%	122,90%	<i>catching up</i>	124,93%	<i>catching up</i>	20,08%	at the same pace	20,47%	catching up	9,5000	2,8810	0,3033
LV00	Latvija	5	8	10	9	12	13	8	4	160,00%	44,44%	122,90%	catching up	124,93%	catching up	20,08%	at the same pace	20,47%	catching up	9,5000	2,8810	0,3033
LT	Lithuania	5	7	8	9	14	15	10	6	200,00%	66,67%	162,90%	<i>catching up</i>	164,93%	<i>catching up</i>	42,30%	<i>catching up</i>	42,69%	<i>catching up</i>	9,6667	3,9833	0,4121
LT01	Sostines regionas	5	7	11	11	16	19	14	8	280,00%	72,73%	242,90%	catching up	244,93%	catching up, then outperforming	48,37%	catching up	48,75%	catching up, then outperforming	11,5000	5,2820	0,4593
LT02	Vidurio ir vakaru Lietuvos regionas	5	7	7	8	12	13	8	5	160,00%	62,50%	122,90%	catching up	124,93%	catching up	38,14%	catching up	38,53%	catching up	8,6667	3,1411	0,3624

Individuals who sold goods and services online (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
HU	Hungary	11	11	11	13	28	27	16	14	145,45%	107,69%	108,36%	catching up, then outperforming	110,38%	outperforming	83,33%	catching up, then outperforming	83,72%	outperforming	16,8333	8,3046	0,4933
HU11	Budapest	11	11	15	17	32	27	16	10	145,45%	58,82%	108,36%	catching up, then outperforming	110,38%	outperforming	34,46%	outperforming	34,85%	outperforming	18,8333	8,7274	0,4634
HU12	Pest	11	11	7	9	29	29	18	20	163,64%	222,22%	126,54%	catching up, then outperforming	128,56%	outperforming	197,86%	catching up, then outperforming	198,25%	catching up, then outperforming	16,0000	10,1784	0,6362
HU21	Közép-Dunántúl	13	11	10	18	29	28	15	10	115,38%	55,56%	78,29%	catching up, then outperforming	80,31%	outperforming	31,19%	outperforming	31,58%	outperforming	18,1667	8,4715	0,4663
HU22	Nyugat-Dunántúl	12	13	16	12	26	26	14	14	116,67%	116,67%	79,57%	catching up, then outperforming	81,59%	outperforming	92,30%	catching up, then outperforming	92,69%	outperforming	17,5000	6,7454	0,3854
HU23	Dél-Dunántúl	14	11	10	13	25	28	14	15	100,00%	115,38%	62,90%	catching up, then outperforming	64,93%	outperforming	91,02%	catching up, then outperforming	91,41%	outperforming	16,8333	7,6790	0,4562
HU31	Észak-Magyarország	10	10	10	12	28	29	19	17	190,00%	141,67%	152,90%	catching up, then outperforming	154,93%	catching up, then outperforming	117,30%	catching up, then outperforming	117,69%	outperforming	16,5000	9,3327	0,5656
HU32	Észak-Alföld	9	7	11	14	25	22	13	8	144,44%	57,14%	107,35%	catching up, then outperforming	109,37%	catching up, then outperforming	32,78%	catching up, then outperforming	33,17%	outperforming	14,6667	7,2847	0,4967
HU33	Dél-Alföld	9	6	7	10	29	27	18	17	200,00%	170,00%	162,90%	catching up, then outperforming	164,93%	outperforming	145,64%	catching up, then outperforming	146,03%	outperforming	14,6667	10,4435	0,7121
PL	Poland	16	16	14	14	12	11	-5	-3	-31,25%	-21,43%	-68,35%	inversion, then diving	-66,32%	inversion, then diving	-45,79%	diving	-45,40%	inversion, then diving	13,8333	2,0412	0,1476
PL2	Makroregion Poludniowy	19	17	15	15	14	10	-9	-5	-47,37%	-33,33%	-84,47%	inversion, then diving	-82,44%	inversion, then diving	-57,70%	diving	-57,31%	inversion, then diving	15,0000	3,0332	0,2022
PL4	Makroregion Północno-Zachodni	16	14	14	14	14	14	-2	0	-12,50%	0,00%	-49,60%	inversion, then diving	-47,57%	inversion, then diving	-24,36%	slower pace	-23,97%	flattening, then slower pace	14,3333	0,8165	0,0570
PL5	Makroregion Poludniowo-Zachodni	15	15	15	18	14	13	-2	-5	-13,33%	-27,78%	-50,43%	diving	-48,41%	inversion, then diving	-52,14%	inversion, then diving	-51,75%	inversion, then diving	15,0000	1,6733	0,1116
PL6	Makroregion Północny	16	16	17	12	13	11	-5	-1	-31,25%	-8,33%	-68,35%	inversion, then diving	-66,32%	inversion, then diving	-32,70%	diving	-32,31%	diving	14,1667	2,4833	0,1753
PL7	Makroregion Centralny	15	17	12	11	9	8	-7	-3	-46,67%	-27,27%	-83,76%	diving	-81,74%	inversion, then diving	-51,63%	diving	-51,25%	diving	12,0000	3,4641	0,2887
PL8	Makroregion Wschodni	12	13	10	9	6	6	-6	-3	-50,00%	-33,33%	-87,10%	diving	-85,07%	inversion, then diving	-57,70%	diving	-57,31%	diving	9,3333	2,9439	0,3154
PL9	Makroregion Województwo Mazowieckie	:	:	17	17	14	15	:	-2	:	-11,76%	:	:	:	:	-36,13%	inverting the trend/diving	-35,74%	inversion	15,7500	1,5000	0,0952

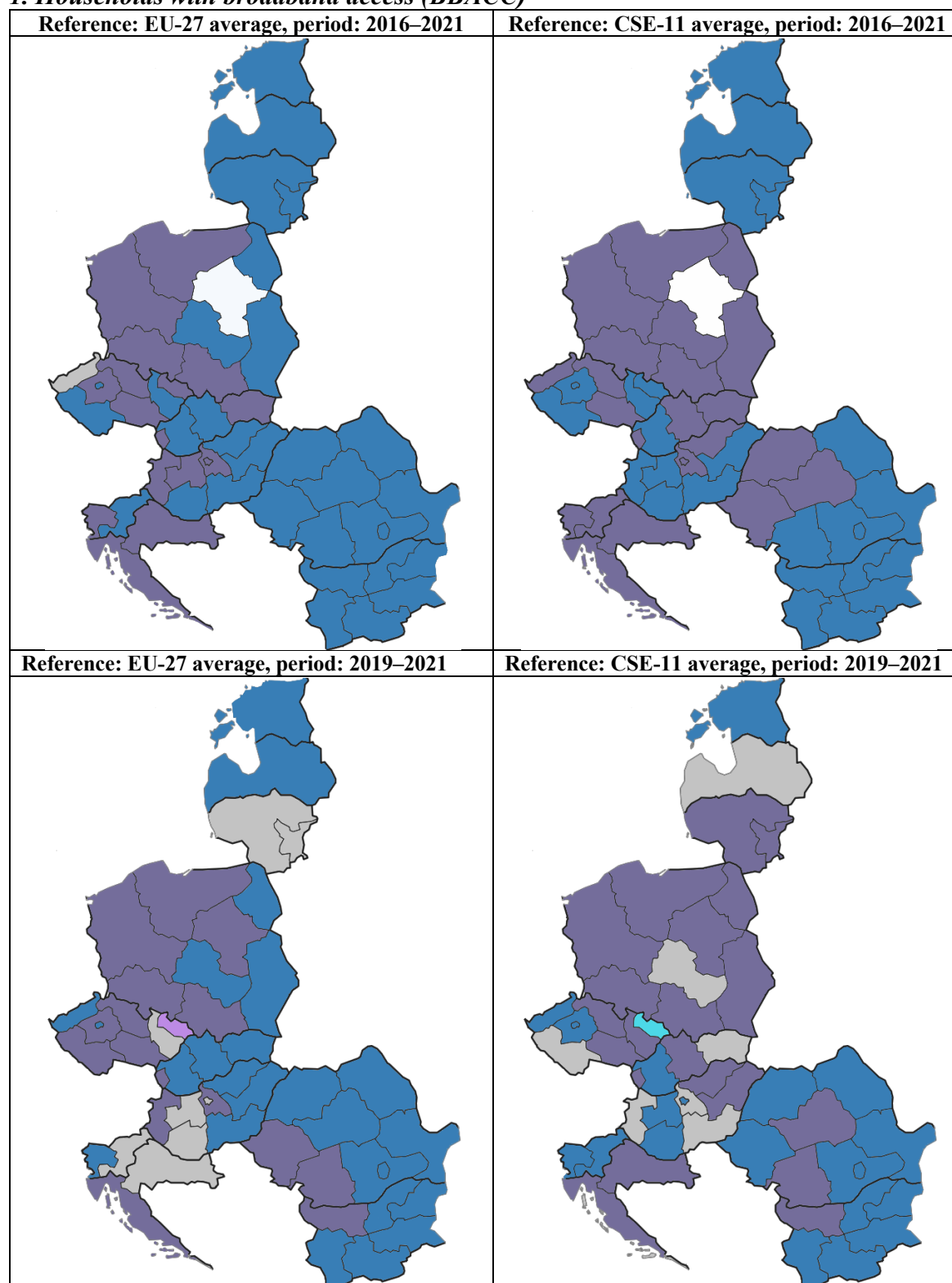
Individuals who sold goods and services online (% of individuals)		Data						Absolute change		Percentage change*		Patterns of change Reference: EU-27 average 2016–2021		Patterns of change Reference: CSE-11 average 2016–2021		Patterns of change Reference: EU-27 average 2019–2021		Patterns of change Reference: CSE-11 average 2019–2021		Mean (2016–2021)**	Std. Deviation (2016–2021)**	Coefficient of variation (2016–2021)**
GEO Codes	GEO Labels	2016	2017	2018	2019	2020	2021	2016–2021	2019–2021	2016–2021	2019–2021											
RO	Romania	3	3	3	3	4	5	2	2	66,67%	66,67%	29,57%	slower pace	31,59%	slower pace	42,30%	slower pace	42,69%	slower pace	3,5000	0,8367	0,2390
RO11	Nord-Vest	4	4	5	4	5	4	0	0	0,00%	0,00%	-37,10%	slower pace	-35,07%	slower pace	-24,36%	slower pace	-23,97%	slower pace	4,3333	0,5164	0,1192
RO12	Centru	3	3	2	4	3	8	5	4	166,67%	100,00%	129,57%	slower pace	131,59%	catching up	75,64%	at the same pace	76,03%	catching up	3,8333	2,1370	0,5575
RO21	Nord-Est	3	2	4	2	4	4	1	2	33,33%	100,00%	-3,76%	slower pace	-1,74%	slower pace	75,64%	slower pace	76,03%	slower pace	3,1667	0,9832	0,3105
RO22	Sud-Est	2	3	3	2	4	3	1	1	50,00%	50,00%	12,90%	slower pace	14,93%	slower pace	25,64%	slower pace	26,03%	slower pace	2,8333	0,7528	0,2657
RO31	Sud-Muntenia	2	1	2	1	2	2	0	1	0,00%	100,00%	-37,10%	slower pace	-35,07%	slower pace	75,64%	slower pace	76,03%	slower pace	1,6667	0,5164	0,3098
RO32	Bucuresti-Ilfov	6	4	6	4	6	8	2	4	33,33%	100,00%	-3,76%	slower pace	-1,74%	slower pace	75,64%	at the same pace	76,03%	catching up	5,6667	1,5055	0,2657
RO41	Sud-Vest Oltenia	3	1	1	2	2	7	4	5	133,33%	250,00%	96,24%	slower pace	98,26%	at the same pace	225,64%	catching up	226,03%	catching up	2,6667	2,2509	0,8441
RO42	Vest	2	4	3	1	3	5	3	4	150,00%	400,00%	112,90%	slower pace	114,93%	slower pace	375,64%	at the same pace	376,03%	catching up	3,0000	1,4142	0,4714
SI	Slovenia	16	21	18	18	18	18	2	0	12,50%	0,00%	-24,60%	flattening, then slower pace	-22,57%	flattening	-24,36%	flattening, then slower pace	-23,97%	flattening	18,1667	1,6021	0,0882
SI03	Vzhodna Slovenija	16	22	17	15	20	17	1	2	6,25%	13,33%	-30,85%	inversion, then diving	-28,82%	flattening	-11,03%	slower pace	-10,64%	flattening	17,8333	2,6394	0,1480
SI04	Zahodna Slovenija	17	21	19	22	16	19	2	-3	11,76%	-13,64%	-25,33%	flattening, then slower pace	-23,31%	flattening	-38,00%	inversion, then diving	-37,61%	inversion	19,0000	2,2804	0,1200
SK	Slovakia	13	12	24	22	25	27	14	5	107,69%	22,73%	70,59%	catching up, then outperforming	72,62%	outperforming	-1,63%	outperforming	-1,25%	outperforming	20,5000	6,4109	0,3127
SK01	Bratislavský kraj	15	15	29	22	29	32	17	10	113,33%	45,45%	76,24%	outperforming	78,26%	outperforming	21,09%	outperforming	21,48%	outperforming	23,6667	7,4744	0,3158
SK02	Západné Slovensko	11	10	26	26	25	24	13	-2	118,18%	-7,69%	81,08%	catching up, then outperforming	83,11%	outperforming	-32,05%	inversion	-31,66%	inversion	20,3333	7,6594	0,3767
SK03	Stredné Slovensko	14	13	17	22	25	27	13	5	92,86%	22,73%	55,76%	catching up, then outperforming	57,78%	outperforming	-1,63%	outperforming	-1,25%	outperforming	19,6667	5,8538	0,2976
SK04	Východné Slovensko	12	12	24	17	25	28	16	11	133,33%	64,71%	96,24%	catching up, then outperforming	98,26%	outperforming	40,34%	outperforming	40,73%	outperforming	19,6667	6,9474	0,3533

Notes: * Top five regions are marked with green. Last five regions are marked with red. ** In the case of PL9 Makroregion Województwo Mazowieckie the period from 2018 to 2021 is considered. n.r. – not relevant. : – no data.

Source: Own elaboration based on Eurostat database and Eurofound (2018).

ANNEX 9.: CONVERGENCE VS. DIVERGENCE PATTERNS OF CHANGE IN CSE-11 REGIONS

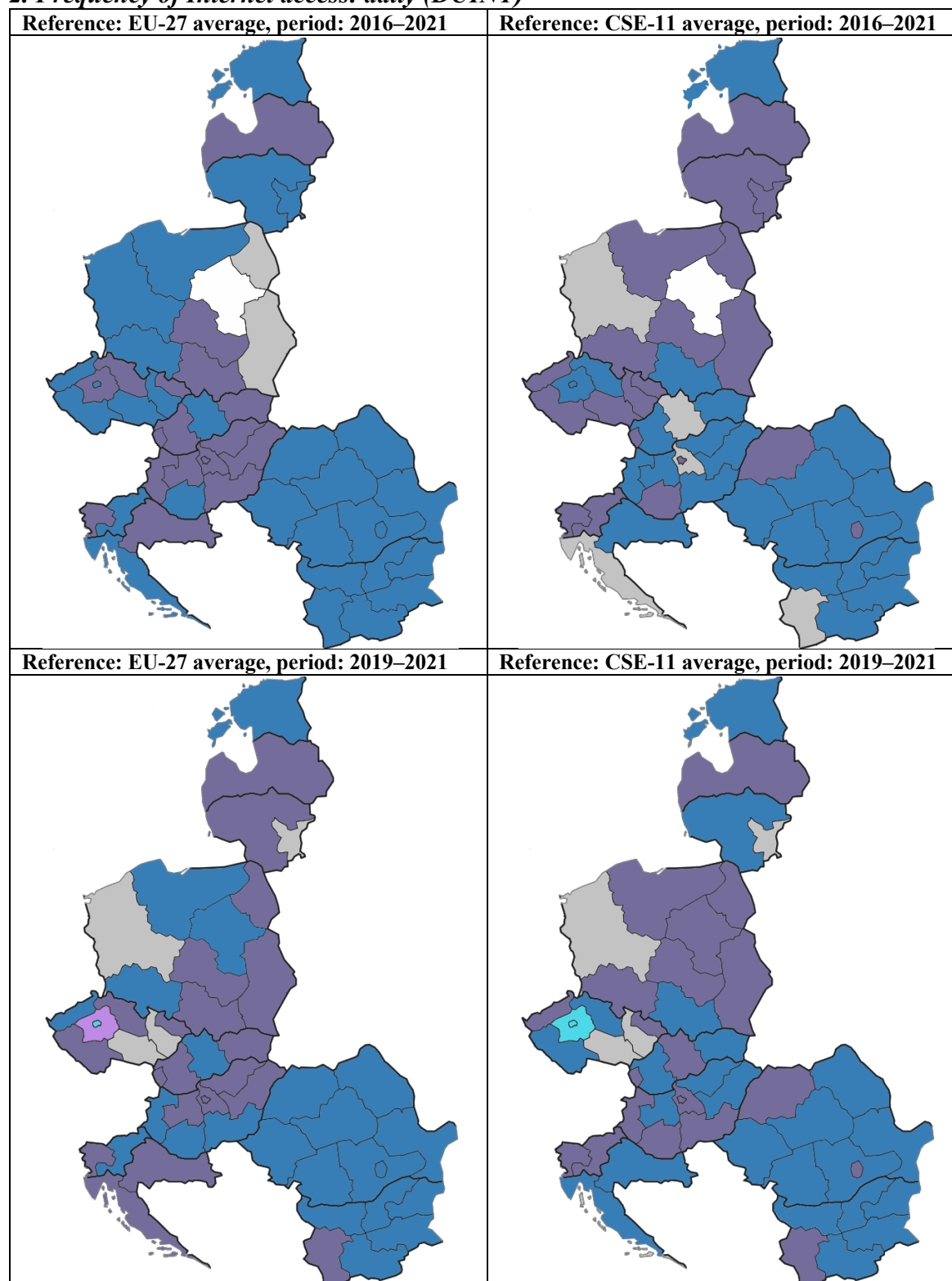
1. Households with broadband access (BBACC)



Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).

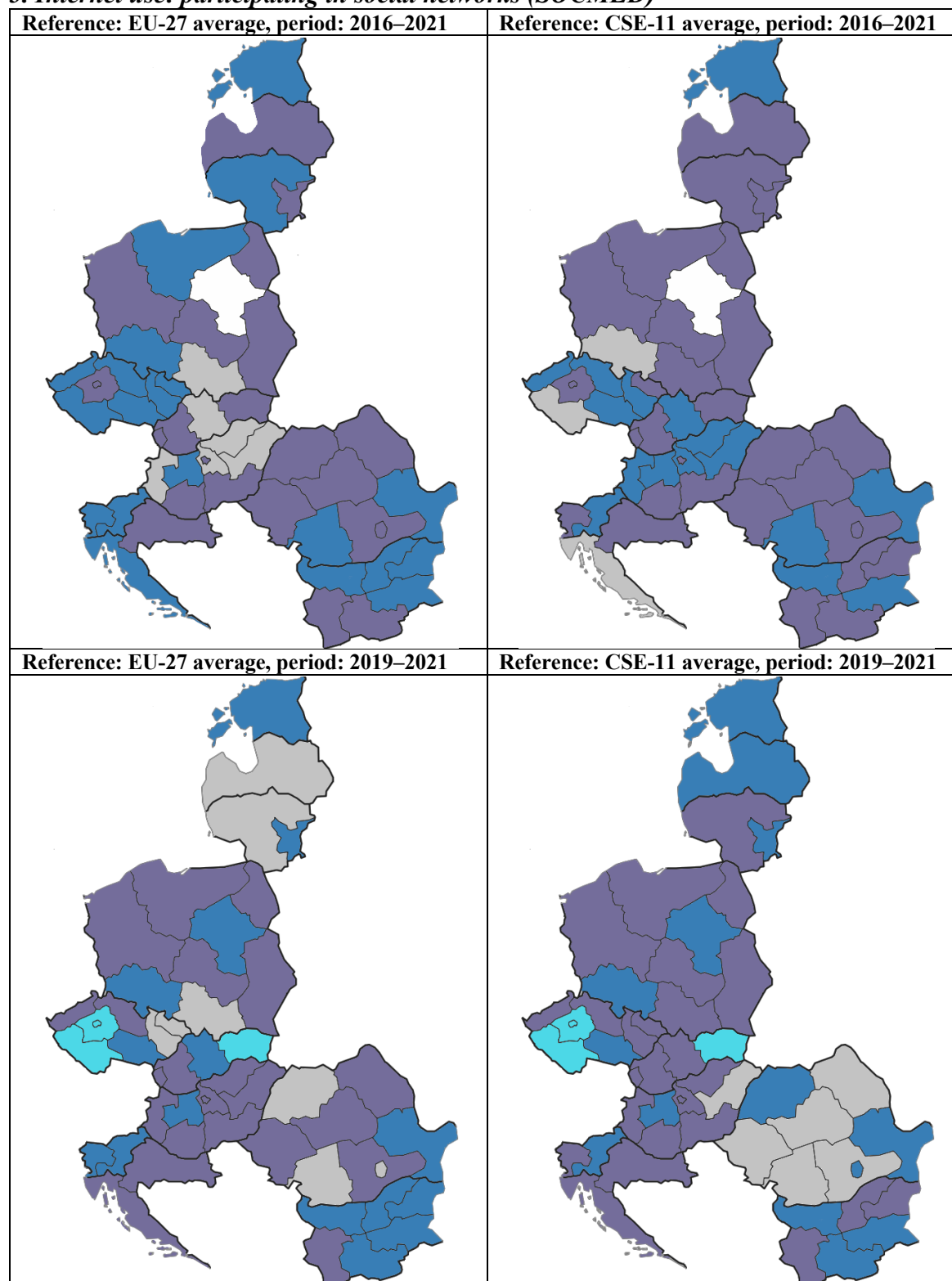
2. Frequency of Internet access: daily (DUINT)



Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).

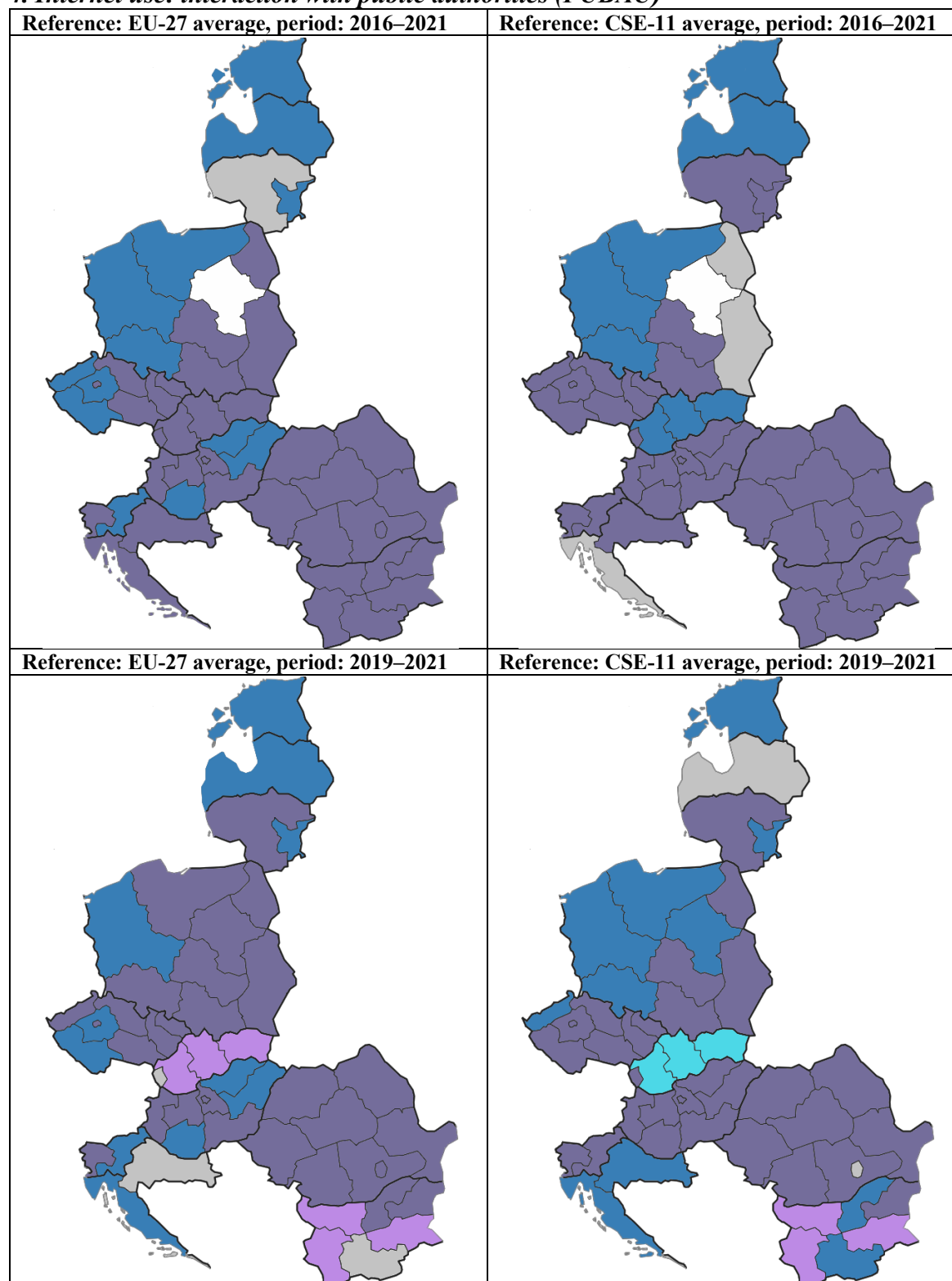
3. Internet use: participating in social networks (SOCMED)



Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).

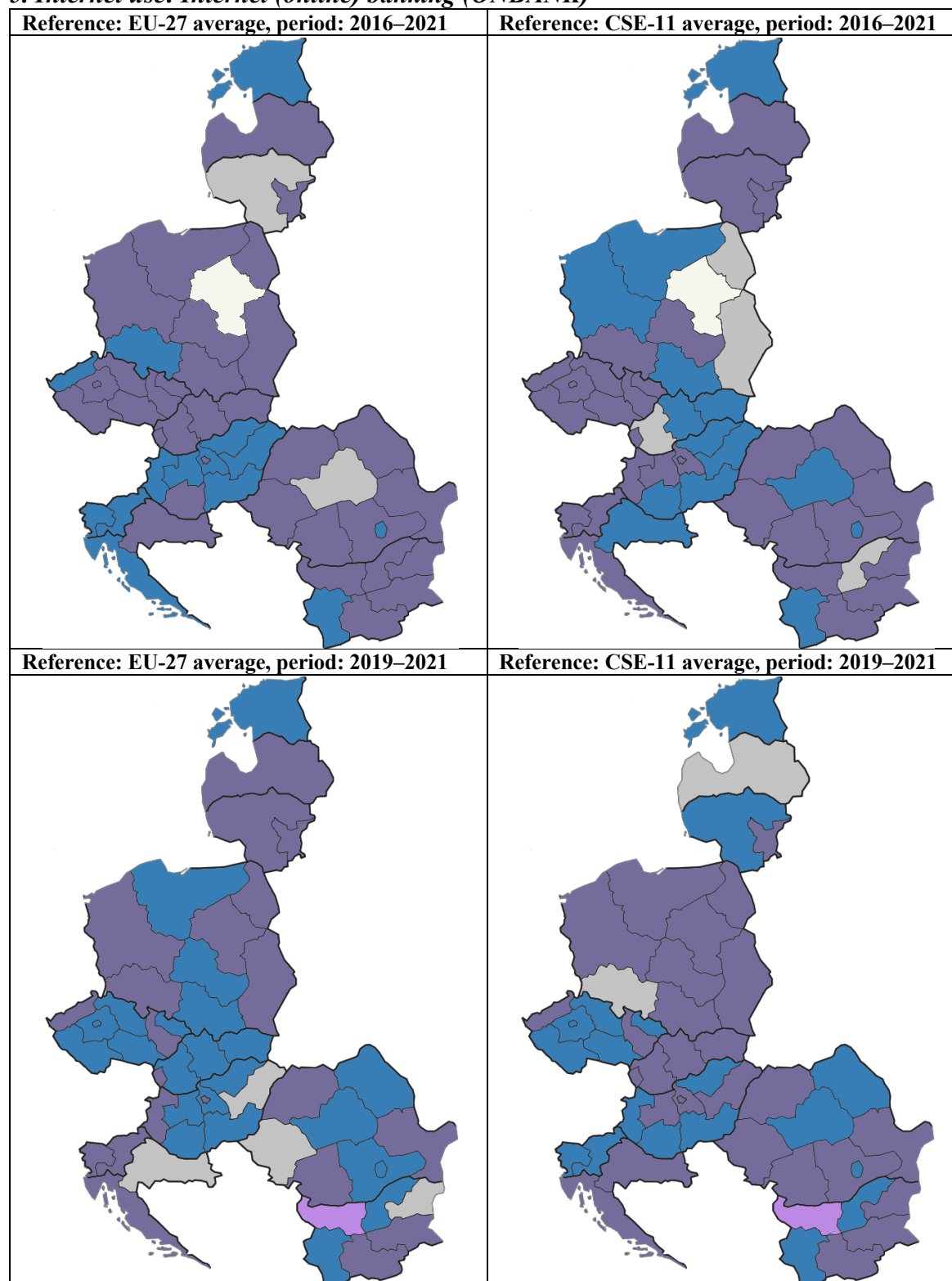
4. Internet use: interaction with public authorities (PUBAU)



Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).

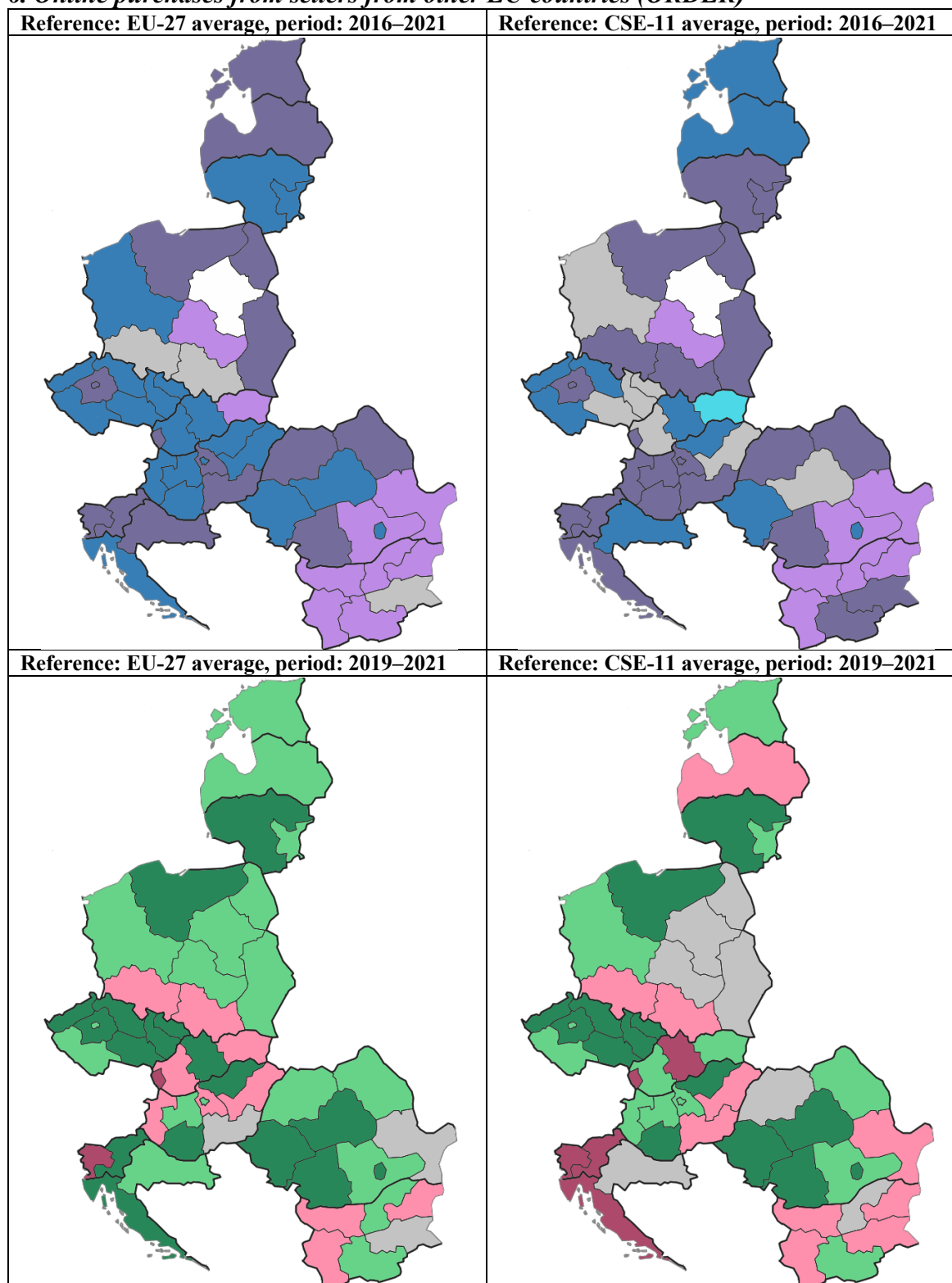
5. Internet use: Internet (online) banking (ONBANK)



Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).

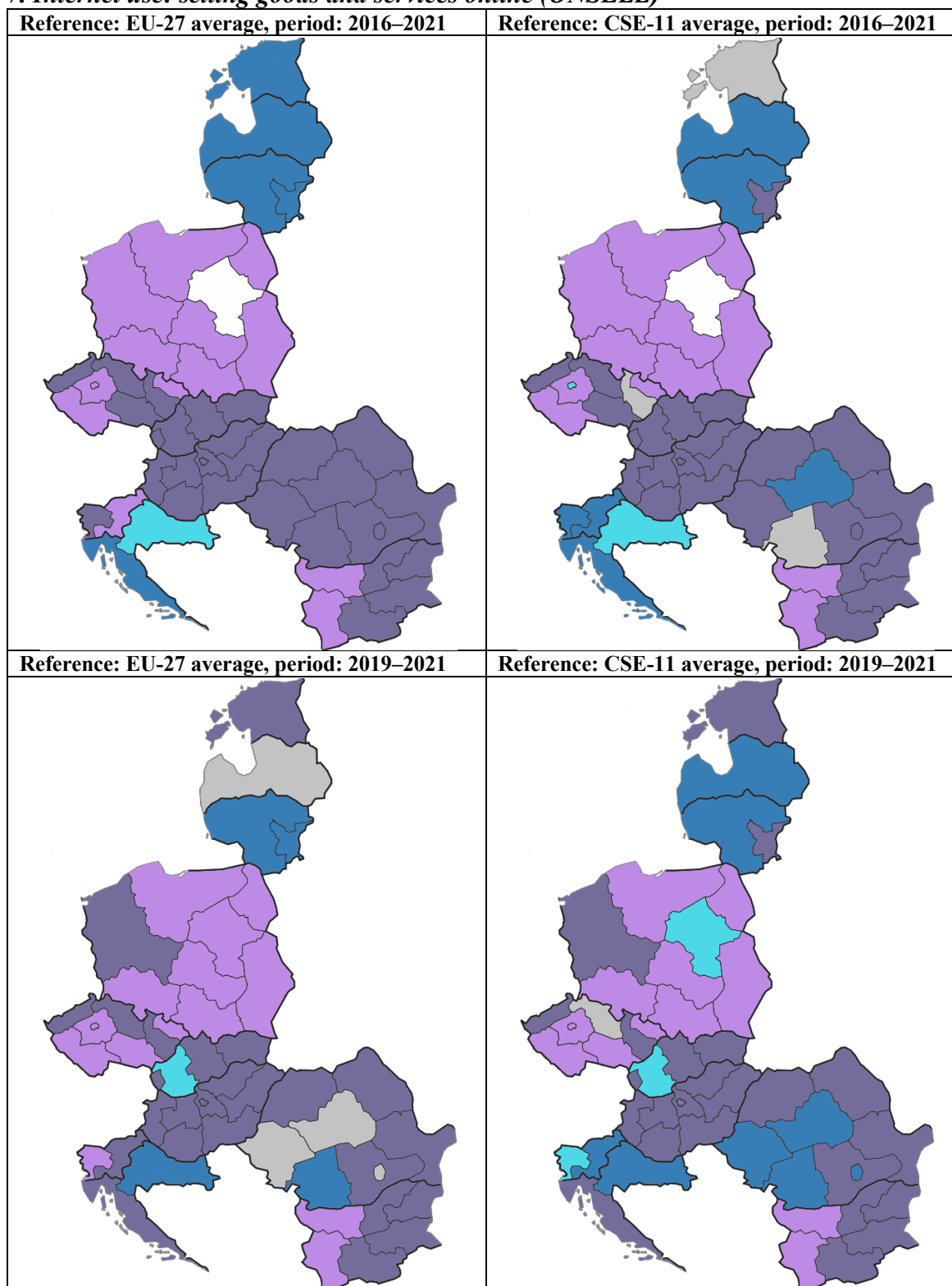
6. Online purchases from sellers from other EU countries (ORDER)



Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).

7. Internet use: selling goods and services online (ONSELL)



Legend: Legend: dark blue: upward convergence, upward trend; light blue: upward convergence, downward trend; dark purple: upward divergence, upward trend; light purple: upward divergence, downward trend; dark pink: downward divergence, upward trend; light pink: downward divergence, downward trend; dark green: downward convergence, upward trend; light green: downward convergence, downward trend; grey: at the same pace; white: no data.

Source: Own elaboration (design and cartography by the author).