

## Annex A: European Innovation Scoreboard 2008 – Current performance

	EU27	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	HR	TR	IS	NO	CH
<b>ENABLERS</b>																	
<b>Human resources</b>																	
1.1.1 S&E and SSH graduates	40.3	31.8	36.0	21.6	52.9	30.6	40.9	41.0	24.4	38.3	29.7	52.0	21.9	12.6	45.3	29.4	48.5
1.1.2 S&E and SSH doct orate graduates	1.11	0.03	0.87	1.72	0.86	2.75	0.48	0.96	0.89	2.17	2.25	1.61	0.47	0.12	0.12	0.94	2.33
1.1.3 Tertiary education	23.5	12.5	30.8	17.6	18.7	13.7	12.0	22.2	14.4	36.4	31.3	31.9	16.2	9.7	29.5	34.4	31.3
1.1.4 Life-long learning	9.7	6.0	16.6	12.8	5.1	4.4	1.3	14.8	3.9	23.4	32.0	26.6	2.9	1.5	27.9	18.0	22.5
1.1.5 Youth education	78.1	54.7	76.2	84.1	91.6	53.4	77.4	91.5	91.3	86.5	87.2	78.1	94.6	46.4	49.3	93.3	78.1
<b>Finance and support</b>																	
12.1 Public R&D expenditures	0.65	0.21	0.67	0.75	0.38	0.46	0.31	0.60	0.27	0.94	0.99	0.64	0.55	0.37	1.26	0.77	0.69
12.2 Venture capital	0.107	--	0.107	0.037	0.017	0.060	0.067	--	0.007	0.163	0.287	0.483	--	--	--	0.117	0.141
12.3 Private credit	1.31	1.19	1.95	1.29	0.40	1.69	0.26	0.81	0.42	0.84	1.24	1.90	0.72	0.29	3.20	0.87	1.78
12.4 Broadband access by firms	77.0	89.0	87.0	72.0	53.0	76.0	37.0	79.0	76.0	91.0	87.0	78.0	--	80.0	95.0	85.0	85.0
<b>FIRM ACTIVITIES</b>																	
<b>Firm investments</b>																	
2.1.1 Business R&D expenditures	1.17	0.39	1.03	1.81	0.18	0.61	0.22	0.94	0.18	2.51	2.64	1.08	0.38	0.21	1.43	0.81	2.14
2.1.2 IT expenditures	2.7	--	3.3	2.8	2.6	1.8	2.1	2.2	2.5	3.2	3.8	3.5	--	--	--	2.4	3.7
2.1.3 Non-R&D innovation expenditures	1.03	1.0	0.29	--	1.03	0.95	1.08	1.12	1.51	--	0.66	--	0.85	0.16	--	0.17	0.92
<b>Linkages &amp; entrepreneurship</b>																	
2.2.1 SMEs innovating in-house	30.0	--	27.3	41.1	17.2	34.1	17.9	--	17.9	40.9	41.8	--	24.4	28.2	--	25.9	34.4
2.2.2 Innovative SMEs collaborating with others	9.5	5.7	12.5	18.0	9.3	6.7	2.9	15.1	7.2	27.5	16.6	10.7	9.6	5.3	14.0	9.8	12.1
2.2.3 Firm renewal (SMEs entries + exits)	5.1	--	6.3	--	--	4.1	8.7	2.2	4.8	0.7	2.3	10.3	--	--	--	2.9	3.8
2.2.4 Public-private co-publications	31.4	0.0	83.7	58.0	1.3	4.0	3.1	28.2	4.5	83.1	116.1	54.7	11.9	0.3	94.4	38.5	193.1
<b>Throughputs</b>																	
2.3.1 EPO patents	105.7	216	173.3	183.1	3.0	7.4	0.7	32.2	5.8	267.6	184.8	91.4	5.0	1.0	52.6	95.5	411.1
2.3.2 Community trademarks	124.6	127.1	195.8	237.1	33.2	118.5	13.5	68.7	20.6	137.3	201.9	153.1	4.5	1.9	324.8	51.2	350.3
2.3.3 Community designs	121.8	46.7	135.3	284.6	45.5	55.8	3.0	50.5	18.0	116.8	161.9	87.1	2.9	4.5	20.2	67.1	372.7
2.3.4 Technology Balance of Payments flows	1.07	2.77	1.21	0.50	0.40	0.22	0.22	0.46	0.43	1.61	1.45	0.99	0.52	0.12	0.03	0.39	5.48
<b>OUTPUTS</b>																	
<b>Innovators</b>																	
3.1.1 SMEs introducing product or process innovations	33.7	14.4	32.9	47.8	20.4	38.7	19.4	31.7	21.4	44.7	40.7	25.1	28.3	29.5	--	29.8	52.9
3.1.2 SMEs introducing marketing or organisational innovations	40.0	31.8	29.0	54.9	29.1	53.4	35.4	--	21.5	--	--	30.3	38.1	50.3	--	34.7	--
3.1.3 Resource efficiency innovators	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3.1.3a Reduced labour costs	18.0	118	16.6	119	13.8	22.4	18.3	28.4	8.0	10.7	17.0	--	19.9	18.0	13.8	10.0	--
3.1.3b Reduced use of materials and energy	9.6	7.7	10.5	9.7	11.6	15.0	14.8	17.2	10.8	5.2	7.1	--	15.1	10.2	5.7	4.3	--
<b>Economic effects</b>																	
3.2.1 Employment in medium-high & high-tech manufacturing	6.69	6.16	3.15	6.66	5.50	3.45	5.66	9.09	9.89	7.03	6.20	5.40	4.70	3.60	1.70	4.21	7.19
3.2.2 Employment in knowledge-intensive services	14.51	15.22	17.97	14.15	10.33	9.65	5.26	10.89	9.86	16.49	18.45	18.64	9.71	5.53	17.15	16.05	19.85
3.2.3 Medium-tech and high-tech manufacturing exports	48.1	74.5	48.3	53.2	48.9	38.7	37.5	54.2	57.2	51.5	54.8	58.2	39.5	38.0	15.7	11.4	63.0
3.2.4 Knowledge-intensive services exports	48.7	23.0	39.9	31.3	27.9	27.5	46.6	20.7	20.8	26.7	49.7	8.9	14.8	12.9	20.7	54.8	32.4
3.2.5 New-to-market sales	8.60	24.79	6.02	6.56	4.56	7.17	4.85	5.83	7.79	10.84	8.29	3.70	4.58	4.65	4.88	1.61	4.90
3.2.6 New-to-firm sales	6.28	3.85	4.87	7.08	5.55	6.12	13.69	7.50	8.95	4.83	5.10	4.81	8.45	11.17	7.81	3.17	5.80