

II. Macroeconomic accounting systems

7. Unit labour costs in selected economic sectors *

r (R) seasonally adjusted +

Period	Enterprises 1		of which:		Construction		Wholesale and retail trade, hotels and restaurants and transport		Information and communication		Financial and insurance services		Real estate activities		Business services	
	2020=100	Change from previous period in %	Production sector excluding construction		2020=100	Change from previous period in %	2020=100	Change from previous period in %	2020=100	Change from previous period in %	2020=100	Change from previous period in %	2020=100	Change from previous period in %	2020=100	Change from previous period in %
			2020=100	Change from previous period in %												
2009 Q2	87.02	-0.7	98.35	-2.8	79.30	1.8	85.19	-0.3	101.67	-2.0	100.38	7.8	73.87	-0.6	68.89	1.0
2009 Q3	85.90	-1.3	95.15	-3.3	78.22	-1.4	84.66	-0.6	99.51	-2.1	99.39	-1.0	74.36	0.7	69.44	0.8
2009 Q4	85.53	-0.4	93.50	-1.7	78.45	0.3	84.25	-0.5	97.77	-1.7	100.01	0.6	74.96	0.8	70.49	1.5
2010 Q1	85.04	-0.6	87.75	-6.1	76.97	-1.9	89.57	6.3	102.84	5.2	91.91	-8.1	75.85	1.2	70.71	0.3
2010 Q2	83.64	-1.6	84.42	-3.8	74.55	-3.1	88.24	-1.5	102.73	-0.1	90.23	-1.8	77.28	1.9	71.13	0.6
2010 Q3	83.57	-0.1	84.37	-0.1	76.81	3.0	87.05	-1.3	101.70	-1.0	90.94	0.8	76.86	-0.5	71.27	0.2
2010 Q4	83.41	-0.2	83.00	-1.6	78.66	2.4	87.32	0.3	101.35	-0.3	91.31	0.4	77.15	0.4	71.81	0.8
2011 Q1	83.08	-0.4	84.00	1.2	75.84	-3.6	86.26	-1.2	94.52	-6.7	88.47	-3.1	75.87	-1.7	74.73	4.1
2011 Q2	83.57	0.6	84.33	0.4	77.17	1.8	86.44	0.2	94.86	0.4	87.04	-1.6	76.98	1.5	76.33	2.1
2011 Q3	83.82	0.3	83.84	-0.6	79.17	2.6	87.33	1.0	94.37	-0.5	86.76	-0.3	76.47	-0.7	77.37	1.4
2011 Q4	84.77	1.1	85.13	1.5	76.57	-3.3	87.77	0.5	94.12	-0.3	96.12	10.8	76.67	0.3	77.74	0.5
2012 Q1	84.85	0.1	83.98	-1.4	77.92	1.8	85.82	-2.2	95.90	1.9	93.40	-2.8	80.93	5.6	79.67	2.5
2012 Q2	86.89	2.4	87.26	3.9	80.48	3.3	87.95	2.5	96.87	1.0	93.72	0.3	81.08	0.2	80.35	0.9
2012 Q3	87.50	0.7	87.19	-0.1	82.12	2.0	88.98	1.2	97.04	0.2	93.88	0.2	81.59	0.6	81.75	1.7
2012 Q4	88.17	0.8	89.05	2.1	82.31	0.2	89.31	0.4	97.85	0.8	91.28	-2.8	81.69	0.1	82.49	0.9
2013 Q1	88.80	0.7	92.03	3.3	83.31	1.2	90.64	1.5	94.32	-3.6	91.73	0.5	77.17	-5.5	80.96	-1.9
2013 Q2	87.60	-1.4	90.55	-1.6	80.95	-2.8	89.32	-1.5	92.63	-1.8	88.59	-3.4	78.06	1.2	80.88	-0.1
2013 Q3	87.66	0.1	91.02	0.5	80.73	-0.3	89.03	-0.3	92.97	0.4	87.93	-0.7	77.93	-0.2	80.61	-0.3
2013 Q4	88.34	0.8	90.92	-0.1	81.64	1.1	90.30	1.4	94.07	1.2	91.00	3.5	78.94	1.3	81.12	0.6
2014 Q1	88.56	0.2	89.14	-2.0	80.88	-0.9	91.35	1.2	95.71	1.7	94.33	3.7	80.62	2.1	82.17	1.3
2014 Q2	89.54	1.1	90.63	1.7	82.35	1.8	91.55	0.2	94.15	-1.6	97.79	3.7	79.81	-1.0	83.68	1.8
2014 Q3	88.97	-0.6	89.58	-1.2	82.54	0.2	90.81	-0.8	93.55	-0.6	97.82	0.0	80.07	0.3	83.45	-0.3
2014 Q4	89.38	0.5	89.88	0.3	84.35	2.2	90.65	-0.2	94.72	1.3	96.54	-1.3	79.62	-0.6	84.53	1.3
2015 Q1	90.49	1.2	91.74	2.1	85.42	1.3	91.34	0.8	97.68	3.1	94.03	-2.6	83.16	4.4	85.90	1.6
2015 Q2	91.17	0.8	92.08	0.4	86.82	1.6	92.59	1.4	97.85	0.2	95.67	1.7	79.57	-4.3	86.47	0.7
2015 Q3	90.75	-0.5	90.74	-1.5	86.91	0.1	91.66	-1.0	97.39	-0.5	96.19	0.5	82.10	3.2	87.39	1.1
2015 Q4	90.90	0.2	90.74	0.0	86.10	-0.9	92.18	0.6	95.94	-1.5	98.39	2.3	80.77	-1.6	87.72	0.4
2016 Q1	91.74	0.9	90.90	0.2	87.00	1.0	94.07	2.1	98.85	3.0	101.16	2.8	86.12	6.6	86.28	-1.6
2016 Q2	89.94	-2.0	87.81	-3.4	83.87	-3.6	92.94	-1.2	96.15	-2.7	103.71	2.5	83.23	-3.4	85.22	-1.2
2016 Q3	91.58	1.8	90.44	3.0	87.52	4.4	94.04	1.2	97.00	0.9	103.73	0.0	85.27	2.5	85.80	0.7
2016 Q4	92.42	0.9	91.10	0.7	88.74	1.4	94.27	0.2	99.37	2.4	101.76	-1.9	86.74	1.7	87.41	1.9
2017 Q1	91.25	-1.3	88.95	-2.4	87.66	-1.2	92.02	-2.4	95.67	-3.7	96.80	-4.9	86.68	-0.1	90.61	3.7
2017 Q2	92.34	1.2	90.22	1.4	89.07	1.6	92.62	0.7	98.30	2.7	95.94	-0.9	90.94	4.9	91.44	0.9
2017 Q3	91.99	-0.4	89.23	-1.1	89.73	0.7	92.63	0.0	97.93	-0.4	94.57	-1.4	88.96	-2.2	91.65	0.2
2017 Q4	92.44	0.5	89.40	0.2	89.88	0.2	93.15	0.6	97.69	-0.2	98.36	4.0	91.04	2.3	91.52	-0.1
2018 Q1	93.10	0.7	90.79	1.6	90.65	0.9	93.20	0.1	93.78	-4.0	102.17	3.9	91.38	0.4	91.48	-0.0
2018 Q2	93.77	0.7	91.77	1.1	90.26	-0.4	93.67	0.5	94.99	1.3	104.74	2.5	93.71	2.5	90.86	-0.7
2018 Q3	95.94	2.3	94.05	2.5	91.95	1.9	96.02	2.5	97.53	2.7	106.38	1.6	95.84	2.3	93.20	2.6
2018 Q4	95.65	-0.3	94.78	0.8	92.28	0.4	94.99	-1.1	96.68	-0.9	103.35	-2.8	96.85	1.1	92.53	-0.7
2019 Q1	96.56	1.0	94.52	-0.3	96.75	4.8	95.40	0.4	97.99	1.4	102.43	-0.9	97.74	0.9	95.39	3.1
2019 Q2	98.15	1.6	96.71	2.3	99.87	3.2	96.11	0.7	99.29	1.3	102.29	-0.1	100.91	3.2	97.06	1.8
2019 Q3	98.20	0.1	97.91	1.2	98.33	-1.5	95.78	-0.3	99.72	0.4	100.59	-1.7	98.48	-2.4	96.07	-1.0
2019 Q4	98.57	0.4	97.61	-0.3	101.48	3.2	96.17	0.4	99.93	0.2	100.53	-0.1	99.08	0.6	97.21	1.2
2020 Q1	99.22	0.7	97.68	0.1	97.57	-3.9	99.96	3.9	98.88	-1.1	101.54	1.0	99.51	0.4	99.13	2.0
2020 Q2	104.67	5.5	110.93	13.6	102.24	4.8	104.66	4.7	101.54	2.7	102.01	0.5	98.85	-0.7	101.83	2.7
2020 Q3	99.23	-5.2	98.86	-10.9	104.72	2.4	97.67	-6.7	99.80	-1.7	97.72	-4.2	100.03	1.2	100.01	-1.8
2020 Q4	97.39	-1.9	94.48	-4.4	95.96	-8.4	98.21	0.6	99.89	0.1	98.88	1.2	101.62	1.6	99.17	-0.8
2021 Q1	98.58	1.2	95.36	0.9	108.37	12.9	100.44	2.3	101.03	1.1	95.86	-3.1	104.68	3.0	97.35	-1.8
2021 Q2	97.60	-1.0	95.45	0.1	104.89	-3.2	100.65	0.2	100.58	-0.4	90.03	-6.1	102.98	-1.6	94.74	-2.7
2021 Q3	99.77	2.2	99.63	4.4	108.20	3.2	101.09	0.4	101.13	0.5	91.55	1.7	104.03	1.0	95.78	1.1
2021 Q4	99.33	-0.4	97.04	-2.6	109.32	1.0	99.62	-1.5	100.73	-0.4	98.31	7.4	106.44	2.3	97.14	1.4
2022 Q1	101.92	2.6	101.72	4.8	119.65	9.4	99.36	-0.3	105.55	4.8	99.24	0.9	108.51	1.9	97.28	0.1
2022 Q2	103.99	2.0	101.67	-0.0	126.59	5.8	100.92	1.6	107.54	1.9	105.20	6.0	110.87	2.2	102.03	4.9
2022 Q3	104.90	0.9	101.64	-0.0	130.80	3.3	102.45	1.5	109.49	1.8	107.97	2.6	113.47	2.3	102.00	-0.0
2022 Q4	107.68	2.7	103.40	1.7	136.91	4.7	105.39	2.9	112.68	2.9	106.51	-1.4	111.42	-1.8	106.93	4.8
2023 Q1	109.06	1.3	106.20	2.7	128.05	-6.5	107.53	2.0	111.26	-1.3	111.58	4.8	115.53	3.7	107.17	0.2
2023 Q2	111.22	2.0	107.80	1.5	134.83	5.3	110.95	3.2	114.96	3.3	110.58	-0.9	115.57	0.0	108.60	1.3
2023 Q3	112.99	1.6	111.09	3.1	137.36	1.9	111.26	0.3	116.32	1.2	112.64	1.9	116.02	0.4	110.02	1.3
2023 Q4	113.31	0.3	110.30	-0.7	140.93	2.6	112.03	0.7	115.98	-0.3	112.77	0.1	116.59	0.5	110.84	0.7
2024 Q1	116.09	2.5	115.87	5.0	139.23	-1.2	112.19	0.1	117.44	1.3	119.23	5.7	120.77	3.6	112.93	1.9
2024 Q2	116.26	0.1	114.46	-1.2	143.33	2.9	115.24	2.7	118.93	1.3	116.31	-2.4	119.58	-1.0	111.77	-1.0

Sources of the unadjusted figures: Federal Statistical Office, Institute for Employment Research of the Federal Employment Agency. * Labour costs (compensation per employee hours worked) in relation to labour productivity (gross value added at

previous-year prices per total hours worked). Last update: August 2024. + Not adjusted for working-day variations; derived from seasonally adjusted basic series. 1 Excluding public and private service providers.