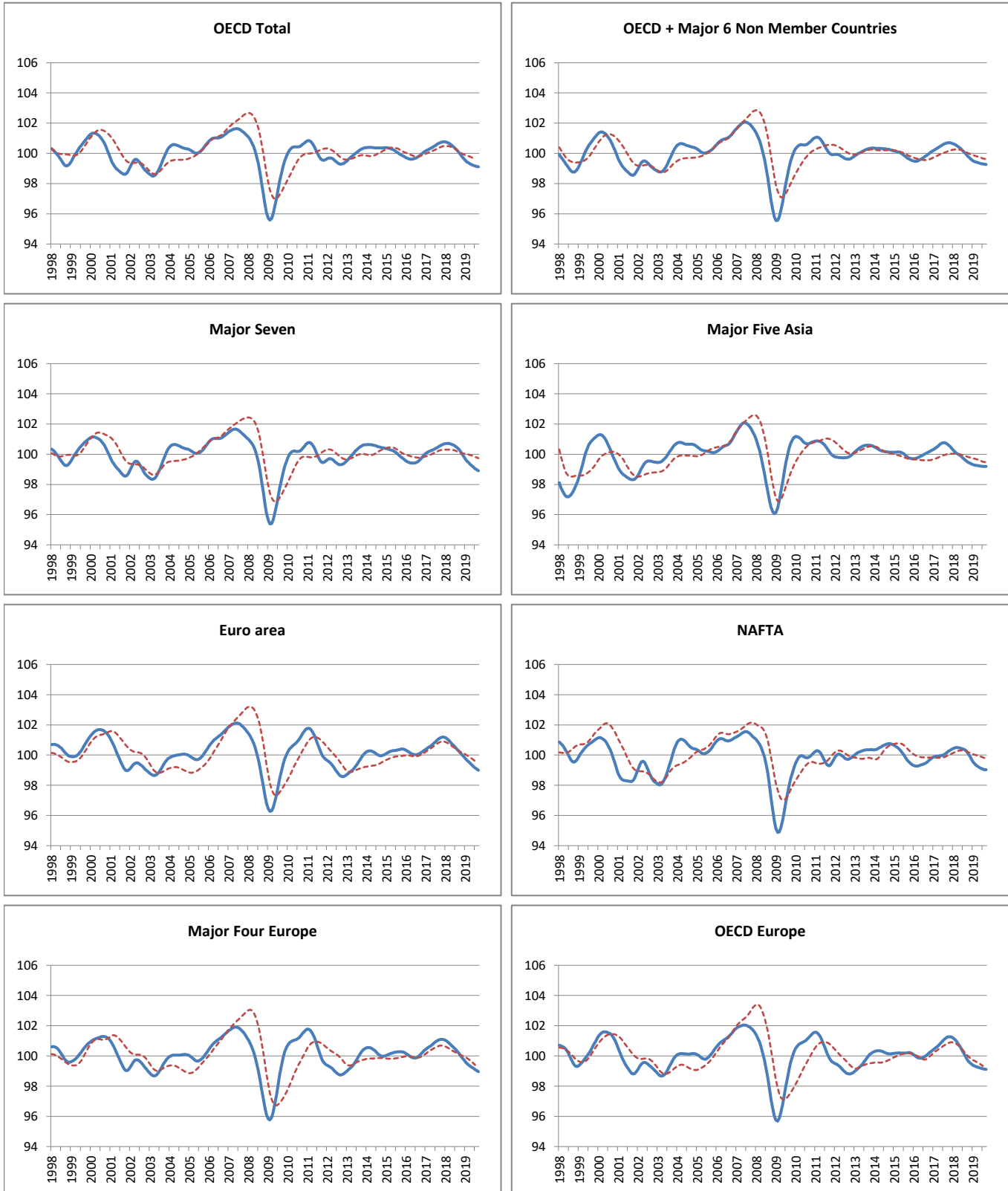


AREA TOTALS

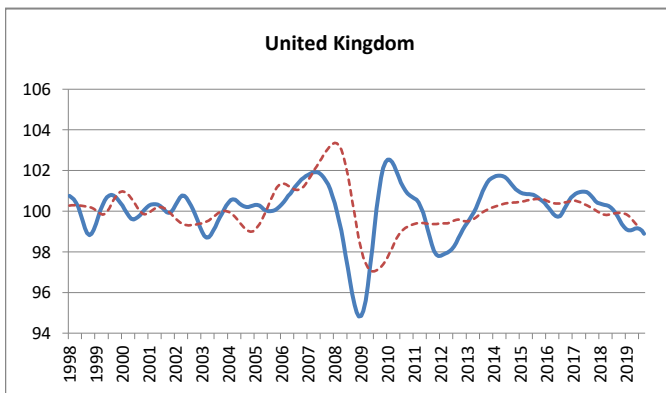
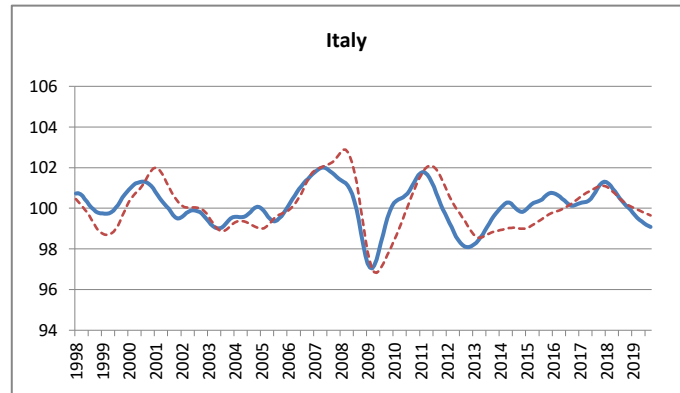
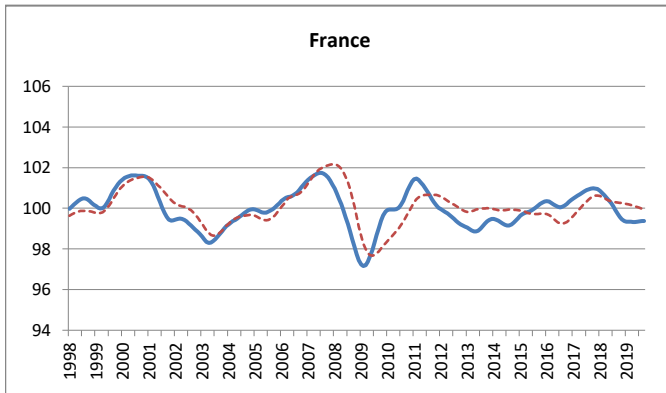
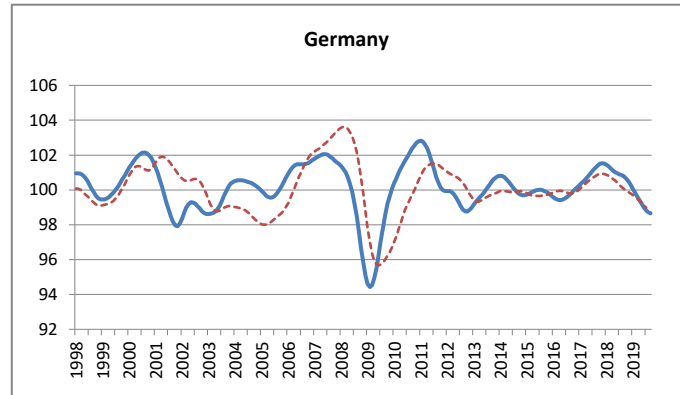
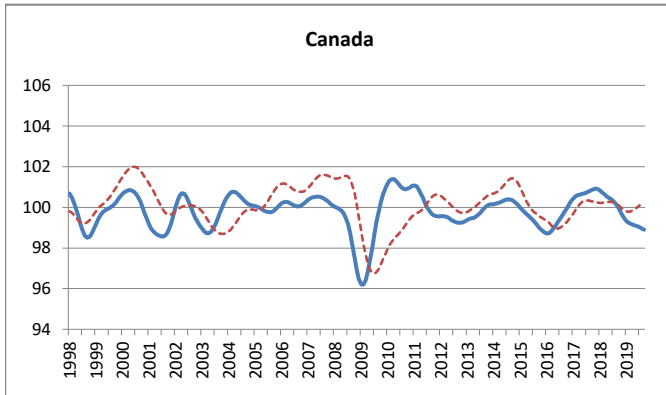
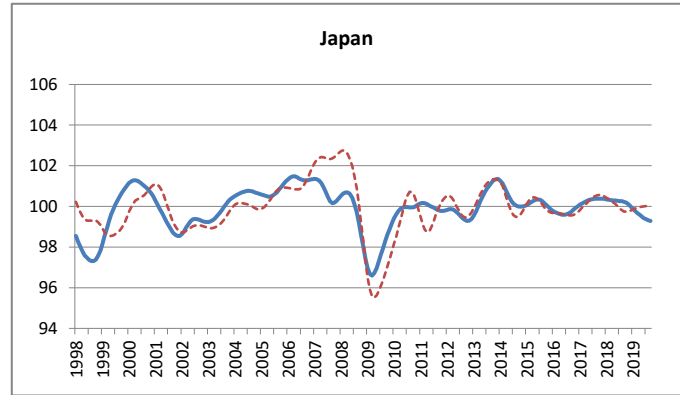
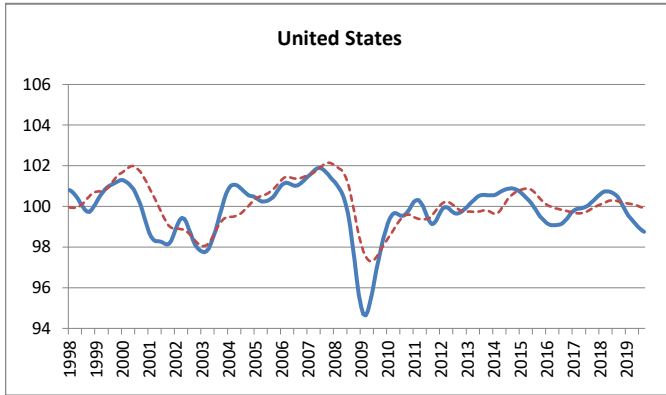
----- Reference series — Composite leading indicators



	OECD Total	OECD + Major 6 Non Member Countries	Major Seven	Major Five Asia	Euro Area	NAFTA	Major Four Europe	OECD Europe
Amplitude adjusted (long term average =100)								
October 2018	99.93	99.79	100.20	99.47	100.14	100.11	100.04	99.68
November 2018	99.79	99.69	100.03	99.41	100.02	99.93	99.90	99.56
December 2018	99.66	99.59	99.86	99.36	99.90	99.74	99.76	99.47
January 2019	99.53	99.51	99.69	99.31	99.78	99.57	99.62	99.39
February 2019	99.44	99.45	99.56	99.28	99.67	99.42	99.50	99.33
March 2019	99.36	99.41	99.44	99.26	99.56	99.32	99.41	99.29
April 2019	99.31	99.38	99.34	99.24	99.45	99.24	99.32	99.25
May 2019	99.25	99.35	99.24	99.22	99.35	99.17	99.25	99.21
June 2019	99.20	99.32	99.14	99.20	99.24	99.12	99.17	99.18
July 2019	99.16	99.29	99.05	99.20	99.15	99.07	99.10	99.15
August 2019	99.13	99.28	98.96	99.19	99.06	99.04	99.03	99.12
September 2019	99.11	99.26	98.91	99.20	99.00	99.03	98.97	99.11
Month on Month growth rate (%)								
October 2018	-0.14	-0.12	-0.14	-0.08	-0.13	-0.15	-0.14	-0.16
November 2018	-0.14	-0.11	-0.16	-0.06	-0.12	-0.18	-0.14	-0.12
December 2018	-0.14	-0.10	-0.17	-0.05	-0.12	-0.19	-0.14	-0.10
January 2019	-0.12	-0.08	-0.16	-0.04	-0.12	-0.18	-0.13	-0.08
February 2019	-0.10	-0.06	-0.14	-0.03	-0.11	-0.15	-0.12	-0.06
March 2019	-0.07	-0.04	-0.12	-0.02	-0.11	-0.10	-0.10	-0.04
April 2019	-0.06	-0.03	-0.11	-0.02	-0.11	-0.08	-0.08	-0.04
May 2019	-0.05	-0.03	-0.10	-0.02	-0.10	-0.07	-0.08	-0.04
June 2019	-0.05	-0.03	-0.10	-0.02	-0.11	-0.06	-0.08	-0.04
July 2019	-0.04	-0.02	-0.09	-0.01	-0.10	-0.05	-0.07	-0.03
August 2019	-0.03	-0.02	-0.08	0.00	-0.08	-0.03	-0.07	-0.02
September 2019	-0.02	-0.01	-0.06	0.00	-0.06	-0.01	-0.06	-0.02
Year on Year growth rate (%)								
October 2018	-0.79	-0.91	-0.38	-1.13	-1.01	-0.13	-1.05	-1.56
November 2018	-0.96	-1.00	-0.60	-1.09	-1.16	-0.39	-1.19	-1.69
December 2018	-1.10	-1.07	-0.81	-1.03	-1.28	-0.64	-1.32	-1.76
January 2019	-1.21	-1.11	-1.00	-0.95	-1.35	-0.87	-1.40	-1.77
February 2019	-1.28	-1.12	-1.16	-0.87	-1.38	-1.06	-1.44	-1.73
March 2019	-1.30	-1.10	-1.26	-0.81	-1.39	-1.19	-1.44	-1.65
April 2019	-1.28	-1.06	-1.34	-0.76	-1.38	-1.25	-1.42	-1.54
May 2019	-1.25	-1.01	-1.40	-0.70	-1.38	-1.29	-1.40	-1.41
June 2019	-1.21	-0.94	-1.44	-0.63	-1.37	-1.32	-1.38	-1.27
July 2019	-1.15	-0.85	-1.48	-0.54	-1.36	-1.33	-1.34	-1.11
August 2019	-1.07	-0.76	-1.48	-0.45	-1.32	-1.31	-1.30	-0.92
September 2019	-0.96	-0.65	-1.43	-0.36	-1.26	-1.23	-1.22	-0.74

MAJOR SEVEN OECD COUNTRIES

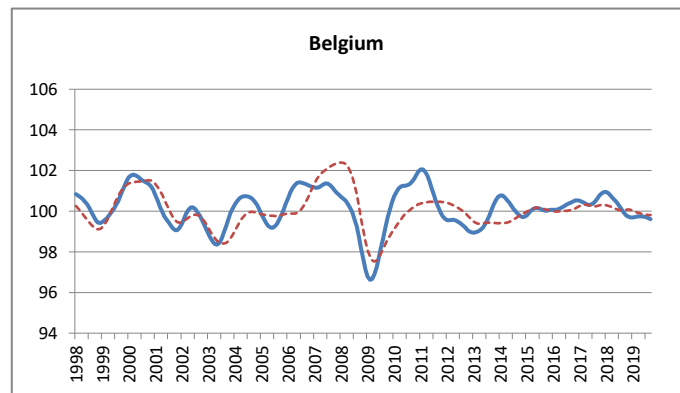
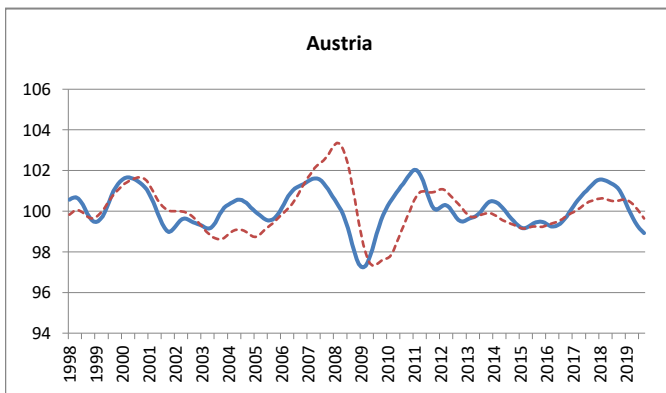
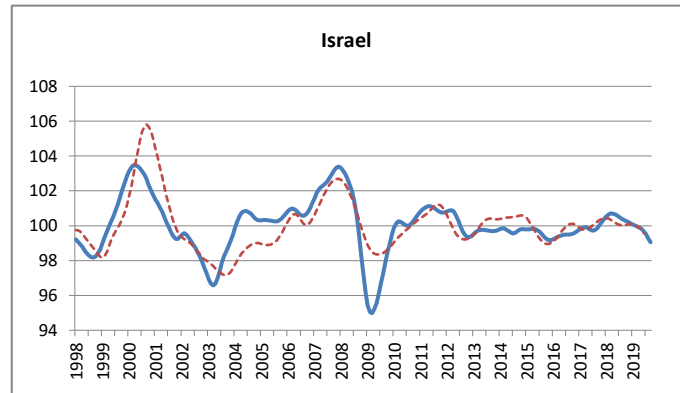
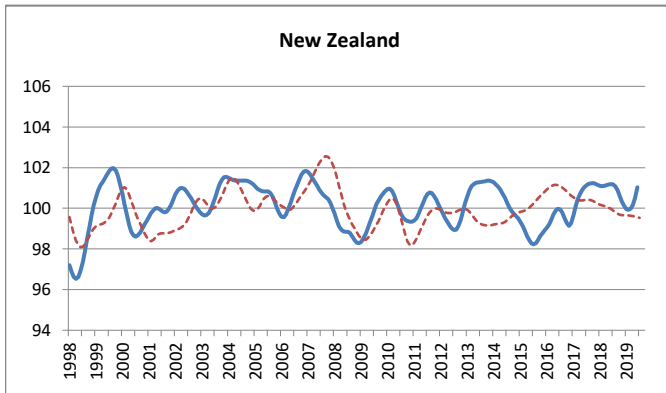
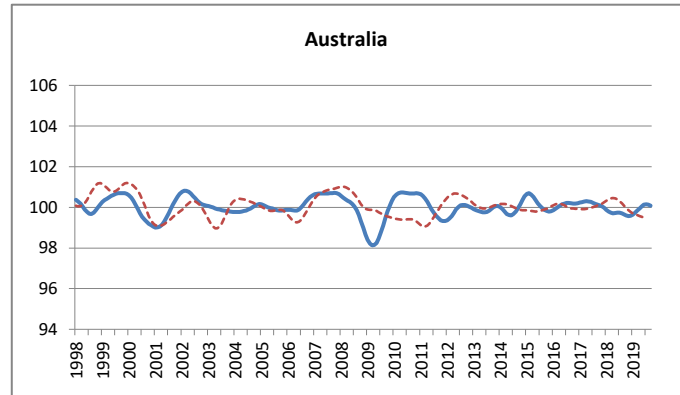
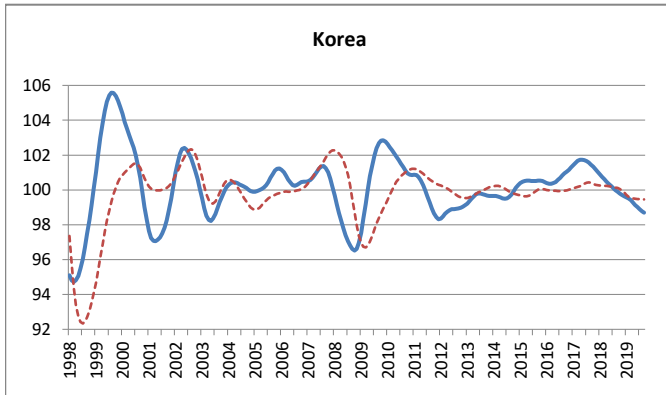
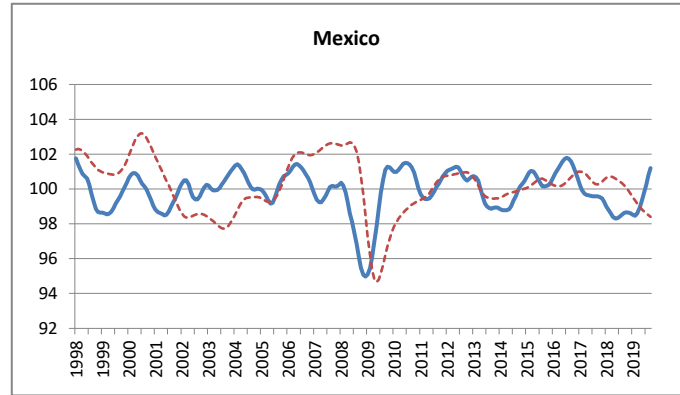
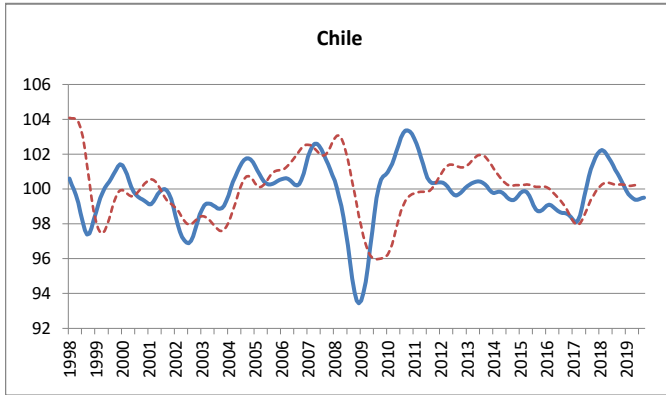
----- Reference series — Composite leading indicators



	Canada	United States	Japan	France	Germany	Italy	United Kingdom
Amplitude adjusted (long term average =100)							
October 2018	99.86	100.31	100.19	99.57	100.65	100.13	99.56
November 2018	99.66	100.11	100.11	99.45	100.49	100.02	99.37
December 2018	99.47	99.90	100.00	99.38	100.29	99.91	99.22
January 2019	99.33	99.71	99.89	99.34	100.07	99.79	99.11
February 2019	99.24	99.55	99.78	99.34	99.84	99.65	99.05
March 2019	99.19	99.41	99.68	99.33	99.61	99.53	99.06
April 2019	99.14	99.28	99.59	99.33	99.40	99.43	99.10
May 2019	99.11	99.16	99.51	99.33	99.19	99.35	99.14
June 2019	99.07	99.03	99.43	99.34	98.99	99.27	99.16
July 2019	99.02	98.92	99.36	99.36	98.82	99.19	99.14
August 2019	98.96	98.82	99.31	99.37	98.71	99.13	99.04
September 2019	98.90	98.76	99.28	99.37	98.65	99.08	98.90
Month on Month growth rate (%)							
October 2018	-0.19	-0.17	-0.04	-0.16	-0.12	-0.11	-0.19
November 2018	-0.20	-0.20	-0.08	-0.12	-0.16	-0.10	-0.18
December 2018	-0.19	-0.21	-0.11	-0.08	-0.20	-0.11	-0.16
January 2019	-0.14	-0.19	-0.12	-0.03	-0.22	-0.13	-0.11
February 2019	-0.09	-0.16	-0.11	-0.01	-0.23	-0.13	-0.06
March 2019	-0.06	-0.14	-0.10	-0.01	-0.23	-0.12	0.00
April 2019	-0.04	-0.13	-0.09	0.00	-0.22	-0.10	0.04
May 2019	-0.03	-0.13	-0.08	0.00	-0.21	-0.08	0.04
June 2019	-0.04	-0.12	-0.08	0.01	-0.20	-0.09	0.02
July 2019	-0.05	-0.12	-0.06	0.02	-0.18	-0.07	-0.02
August 2019	-0.06	-0.10	-0.05	0.01	-0.12	-0.06	-0.10
September 2019	-0.06	-0.06	-0.03	0.00	-0.06	-0.05	-0.14
Year on Year growth rate (%)							
October 2018	-1.02	0.04	-0.19	-1.39	-0.82	-1.00	-1.06
November 2018	-1.24	-0.26	-0.27	-1.51	-1.02	-1.21	-1.12
December 2018	-1.41	-0.57	-0.37	-1.55	-1.21	-1.38	-1.19
January 2019	-1.49	-0.86	-0.46	-1.51	-1.37	-1.48	-1.26
February 2019	-1.48	-1.12	-0.55	-1.42	-1.50	-1.54	-1.28
March 2019	-1.44	-1.31	-0.62	-1.31	-1.60	-1.55	-1.25
April 2019	-1.40	-1.45	-0.70	-1.19	-1.70	-1.51	-1.19
May 2019	-1.37	-1.57	-0.78	-1.07	-1.81	-1.44	-1.11
June 2019	-1.34	-1.66	-0.85	-0.93	-1.93	-1.38	-1.02
July 2019	-1.30	-1.73	-0.90	-0.75	-2.06	-1.31	-0.93
August 2019	-1.24	-1.76	-0.94	-0.55	-2.12	-1.23	-0.89
September 2019	-1.14	-1.71	-0.95	-0.36	-2.10	-1.15	-0.85

OTHER OECD COUNTRIES

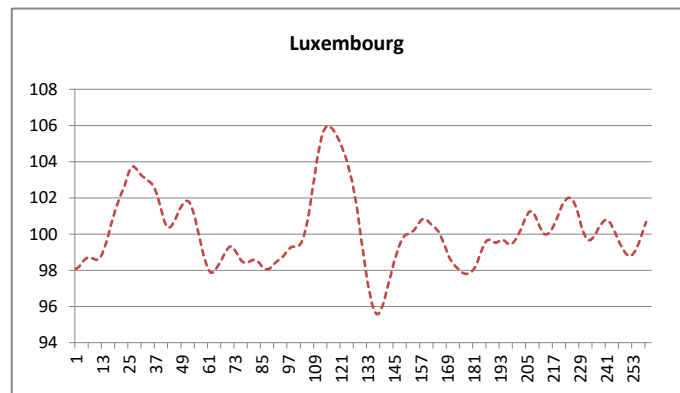
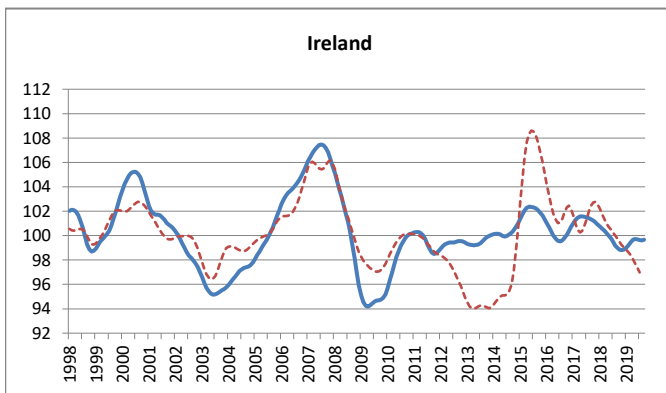
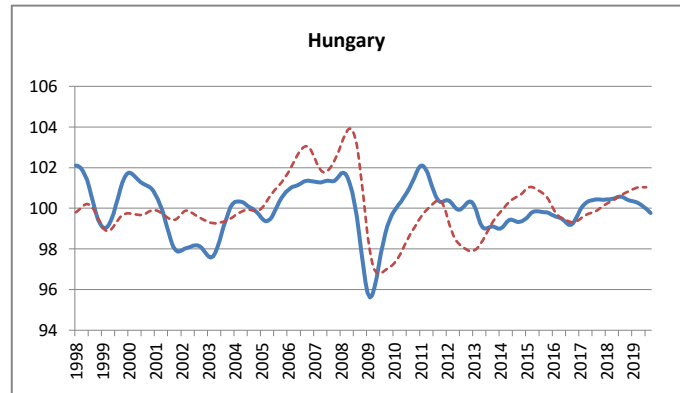
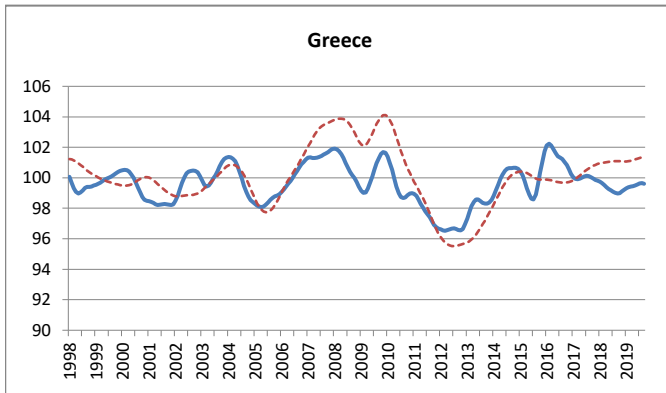
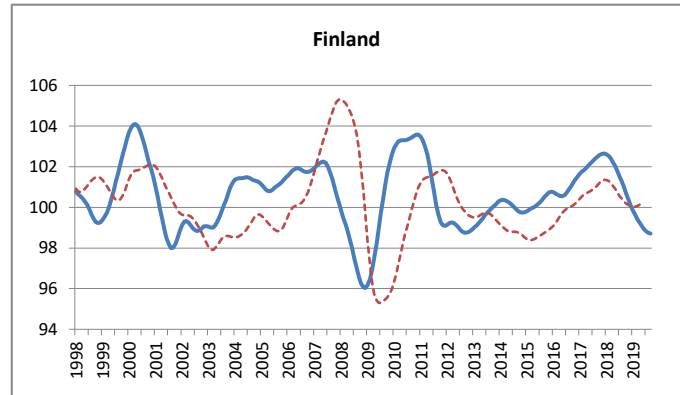
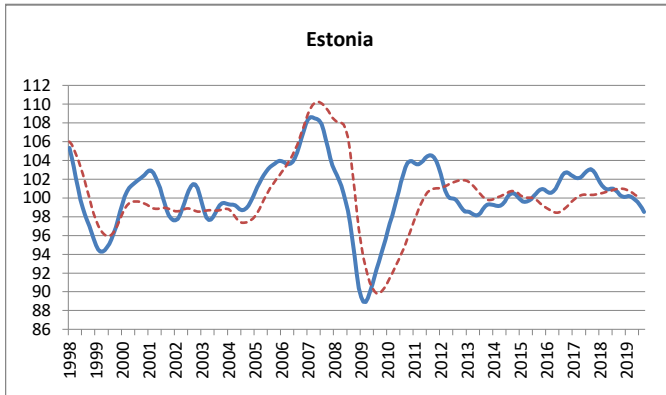
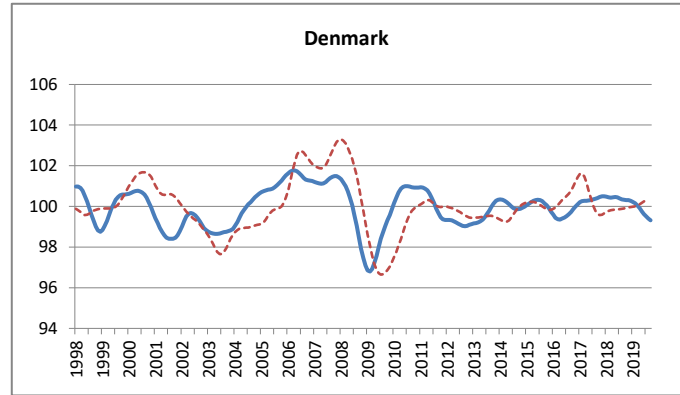
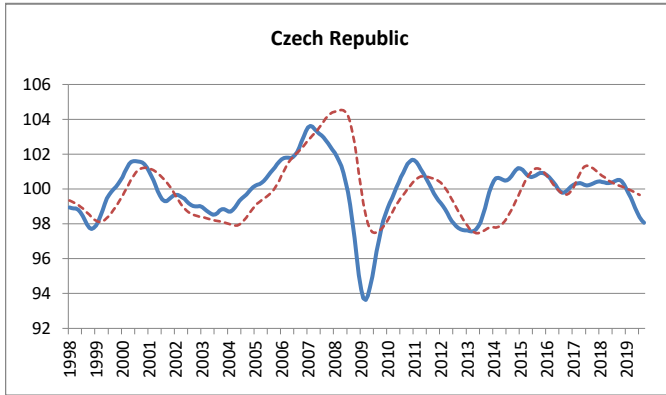
--- Reference series — Composite leading indicators



	Chile	Mexico	Korea	Australia	New Zealand	Israel	Austria	Belgium
Amplitude adjusted (long term average =100)								
October 2018	100.67	98.66	99.80	99.61	100.61	100.27	101.01	99.80
November 2018	100.42	98.64	99.71	99.57	100.33	100.21	100.82	99.73
December 2018	100.15	98.61	99.64	99.59	100.10	100.14	100.59	99.69
January 2019	99.90	98.53	99.58	99.64	99.96	100.06	100.35	99.69
February 2019	99.69	98.47	99.51	99.74	99.92	100.00	100.10	99.72
March 2019	99.55	98.60	99.41	99.84	99.98	99.94	99.87	99.74
April 2019	99.45	98.93	99.28	99.95	100.18	99.89	99.66	99.75
May 2019	99.39	99.30	99.14	100.05	100.51	99.80	99.47	99.74
June 2019	99.39	99.74	99.02	100.12	101.04	99.67	99.29	99.73
July 2019	99.43	100.25	98.89	100.15		99.48	99.14	99.71
August 2019	99.47	100.78	98.78	100.13		99.26	99.02	99.67
September 2019	99.51	101.21	98.69	100.09		99.05	98.93	99.61
Month on Month growth rate (%)								
October 2018	-0.21	0.04	-0.10	-0.05	-0.27	-0.06	-0.14	-0.12
November 2018	-0.24	-0.02	-0.09	-0.03	-0.28	-0.05	-0.19	-0.07
December 2018	-0.27	-0.04	-0.07	0.01	-0.22	-0.07	-0.23	-0.04
January 2019	-0.25	-0.08	-0.06	0.06	-0.14	-0.07	-0.24	0.00
February 2019	-0.21	-0.06	-0.07	0.09	-0.05	-0.06	-0.24	0.02
March 2019	-0.14	0.13	-0.10	0.10	0.06	-0.06	-0.23	0.02
April 2019	-0.10	0.33	-0.13	0.11	0.20	-0.05	-0.21	0.01
May 2019	-0.06	0.38	-0.14	0.10	0.33	-0.09	-0.19	0.00
June 2019	0.00	0.44	-0.13	0.07	0.52	-0.13	-0.18	-0.01
July 2019	0.04	0.51	-0.12	0.02		-0.19	-0.15	-0.03
August 2019	0.04	0.53	-0.11	-0.02		-0.23	-0.12	-0.04
September 2019	0.03	0.42	-0.09	-0.05		-0.21	-0.10	-0.05
Year on Year growth rate (%)								
October 2018	-0.83	-0.89	-1.52	-0.49	-0.62	0.22	-0.35	-0.98
November 2018	-1.35	-0.82	-1.47	-0.48	-0.87	-0.02	-0.63	-1.16
December 2018	-1.84	-0.66	-1.39	-0.39	-1.03	-0.26	-0.92	-1.24
January 2019	-2.23	-0.48	-1.30	-0.24	-1.13	-0.47	-1.20	-1.23
February 2019	-2.48	-0.32	-1.23	-0.06	-1.16	-0.64	-1.44	-1.14
March 2019	-2.55	-0.01	-1.20	0.10	-1.11	-0.76	-1.64	-1.01
April 2019	-2.49	0.53	-1.20	0.24	-0.94	-0.80	-1.80	-0.88
May 2019	-2.36	1.01	-1.21	0.33	-0.65	-0.84	-1.94	-0.77
June 2019	-2.15	1.44	-1.21	0.39	-0.16	-0.90	-2.06	-0.66
July 2019	-1.89	1.88	-1.21	0.41		-1.00	-2.15	-0.54
August 2019	-1.62	2.29	-1.22	0.43		-1.14	-2.19	-0.41
September 2019	-1.36	2.62	-1.21	0.43		-1.27	-2.19	-0.30

OTHER OECD COUNTRIES

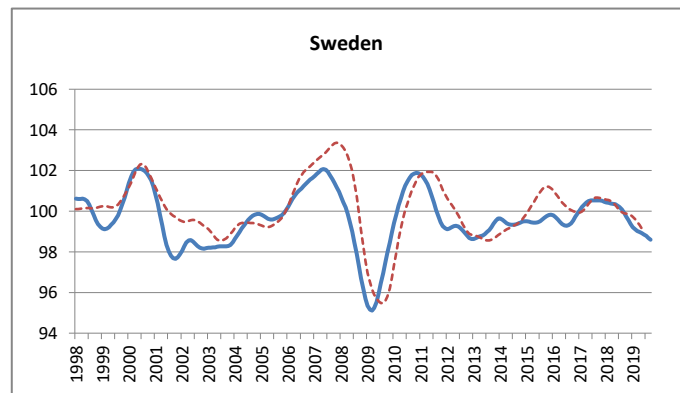
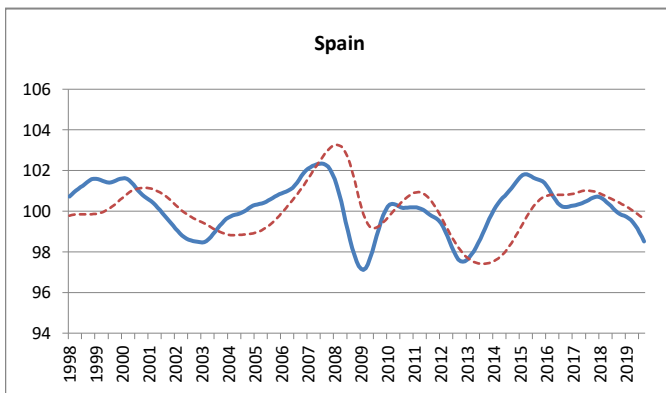
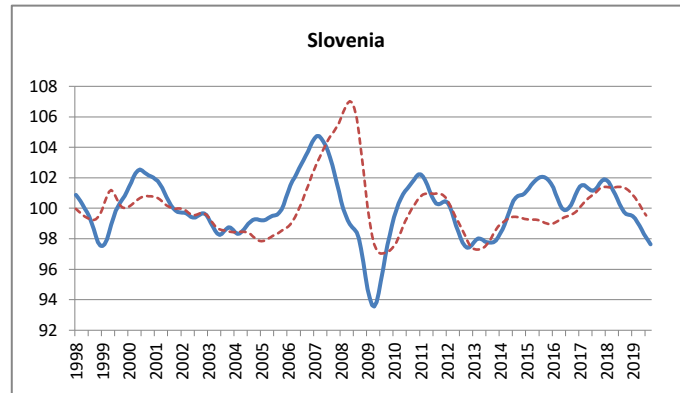
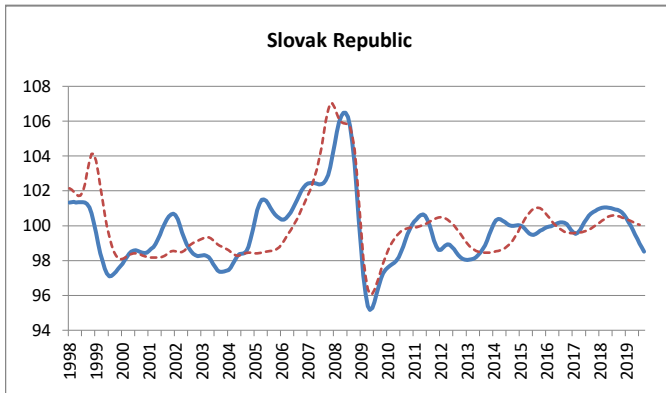
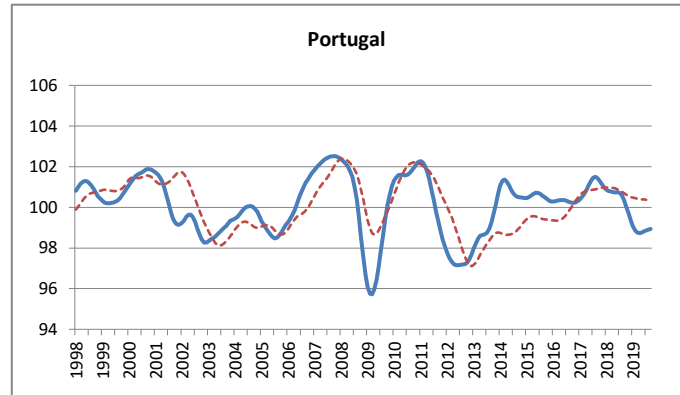
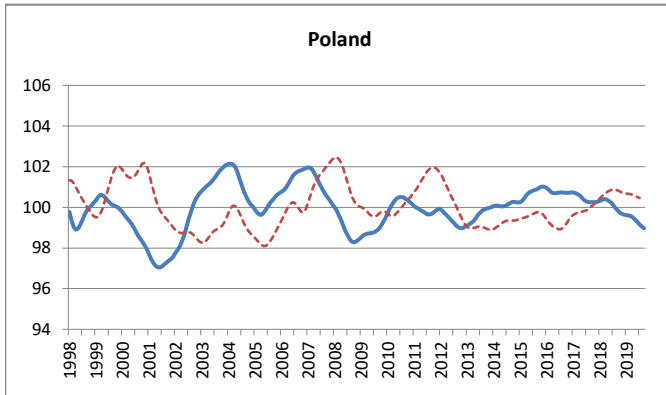
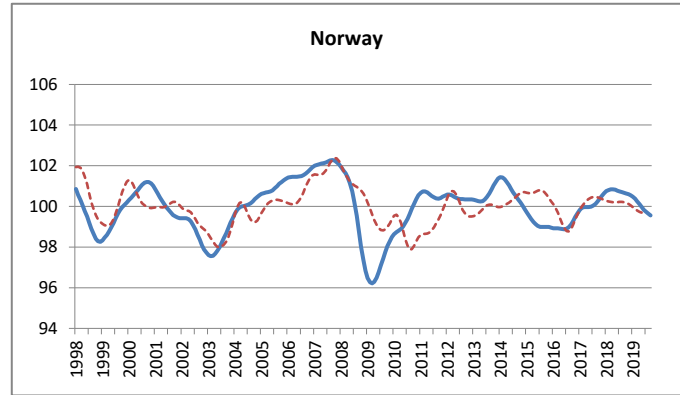
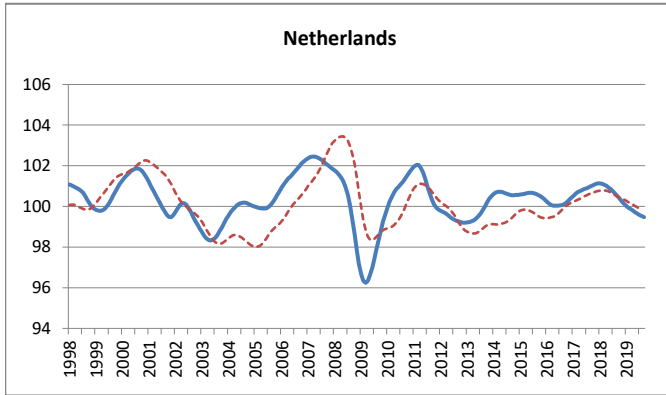
----- Reference series — Composite leading indicators



	Czech Republic	Denmark	Estonia	Finland	Greece	Hungary	Ireland	Luxembourg
Amplitude adjusted (long term average =100)								
October 2018	100.53	100.31	100.34	100.69	98.99	100.45	98.84	n.a
November 2018	100.44	100.31	100.19	100.38	99.11	100.40	98.81	n.a
December 2018	100.25	100.27	100.10	100.10	99.23	100.37	98.86	n.a
January 2019	100.01	100.22	100.16	99.85	99.31	100.34	99.00	n.a
February 2019	99.76	100.16	100.20	99.64	99.38	100.32	99.20	n.a
March 2019	99.50	100.06	100.13	99.43	99.41	100.28	99.45	n.a
April 2019	99.22	99.92	99.98	99.25	99.45	100.22	99.66	n.a
May 2019	98.92	99.77	99.80	99.08	99.50	100.15	99.73	n.a
June 2019	98.63	99.63	99.57	98.94	99.57	100.06	99.70	n.a
July 2019	98.39	99.50	99.28	98.82	99.63	99.98	99.64	n.a
August 2019	98.19	99.40	98.93	98.74	99.66	99.86	99.62	n.a
September 2019	98.07	99.32	98.51	98.71	99.60	99.76	99.66	n.a
Month on Month growth rate (%)								
October 2018	0.00	-0.01	-0.27	-0.30	0.03	-0.06	-0.13	-
November 2018	-0.09	-0.01	-0.15	-0.30	0.11	-0.05	-0.03	-
December 2018	-0.19	-0.03	-0.09	-0.28	0.12	-0.03	0.05	-
January 2019	-0.24	-0.05	0.06	-0.24	0.09	-0.02	0.14	-
February 2019	-0.25	-0.07	0.04	-0.22	0.06	-0.03	0.21	-
March 2019	-0.27	-0.10	-0.07	-0.20	0.04	-0.04	0.25	-
April 2019	-0.28	-0.14	-0.15	-0.19	0.04	-0.06	0.21	-
May 2019	-0.30	-0.15	-0.18	-0.16	0.05	-0.07	0.07	-
June 2019	-0.29	-0.14	-0.23	-0.14	0.07	-0.09	-0.02	-
July 2019	-0.24	-0.13	-0.29	-0.12	0.06	-0.08	-0.06	-
August 2019	-0.20	-0.10	-0.35	-0.08	0.03	-0.12	-0.03	-
September 2019	-0.12	-0.08	-0.43	-0.03	-0.05	-0.10	0.04	-
Year on Year growth rate (%)								
October 2018	0.20	-0.15	-2.48	-1.84	-0.95	0.02	-2.36	-
November 2018	0.05	-0.18	-2.33	-2.19	-0.76	-0.02	-2.25	-
December 2018	-0.18	-0.23	-1.99	-2.48	-0.59	-0.05	-2.04	-
January 2019	-0.42	-0.26	-1.49	-2.69	-0.44	-0.09	-1.74	-
February 2019	-0.64	-0.30	-1.12	-2.83	-0.28	-0.13	-1.36	-
March 2019	-0.87	-0.37	-0.92	-2.90	-0.10	-0.18	-0.93	-
April 2019	-1.12	-0.52	-0.93	-2.92	0.06	-0.25	-0.55	-
May 2019	-1.42	-0.69	-1.09	-2.87	0.24	-0.36	-0.29	-
June 2019	-1.73	-0.81	-1.40	-2.78	0.41	-0.49	-0.07	-
July 2019	-2.00	-0.90	-1.70	-2.66	0.54	-0.60	0.17	-
August 2019	-2.26	-0.95	-1.91	-2.49	0.66	-0.70	0.43	-
September 2019	-2.44	-1.00	-2.09	-2.26	0.65	-0.75	0.70	-

OTHER OECD COUNTRIES

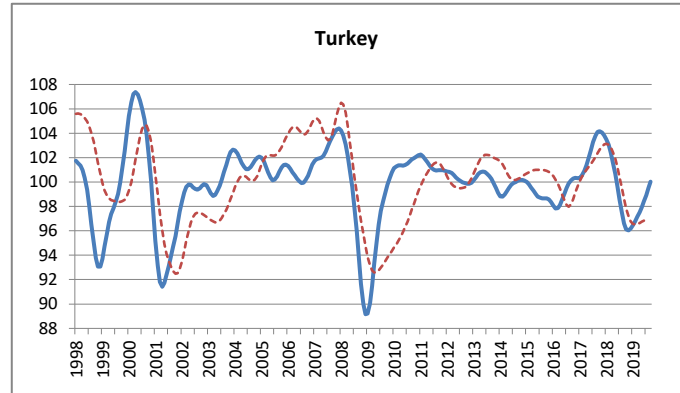
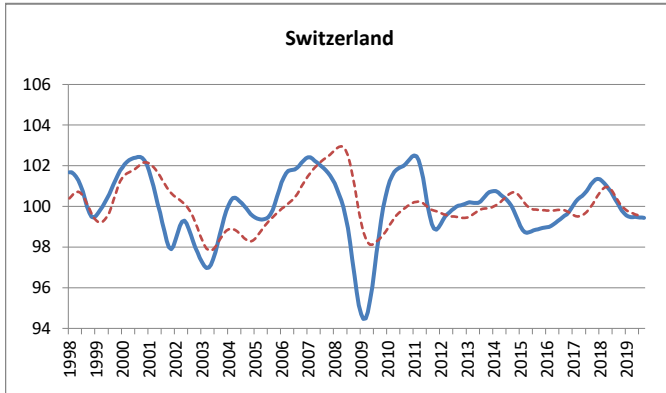
----- Reference series — Composite leading indicators



	Netherlands	Norway	Poland	Portugal	Slovak Republic	Slovenia	Spain	Sweden
Amplitude adjusted (long term average =100)								
October 2018	100.37	100.64	99.74	100.05	100.86	99.61	99.87	99.75
November 2018	100.25	100.60	99.68	99.72	100.76	99.57	99.82	99.55
December 2018	100.13	100.55	99.64	99.39	100.62	99.55	99.77	99.37
January 2019	100.02	100.48	99.62	99.09	100.42	99.47	99.73	99.22
February 2019	99.94	100.37	99.60	98.87	100.20	99.32	99.66	99.10
March 2019	99.86	100.24	99.57	98.76	99.98	99.10	99.58	99.03
April 2019	99.79	100.10	99.51	98.74	99.75	98.86	99.46	98.98
May 2019	99.72	99.96	99.40	98.76	99.50	98.59	99.32	98.93
June 2019	99.65	99.83	99.28	98.82	99.23	98.32	99.14	98.86
July 2019	99.58	99.73	99.16	98.87	98.97	98.08	98.94	98.78
August 2019	99.52	99.64	99.06	98.91	98.73	97.86	98.73	98.69
September 2019	99.47	99.56	98.98	98.94	98.51	97.64	98.51	98.60
Month on Month growth rate (%)								
October 2018	-0.13	-0.02	-0.10	-0.31	-0.05	-0.14	-0.07	-0.18
November 2018	-0.13	-0.04	-0.06	-0.33	-0.10	-0.05	-0.05	-0.19
December 2018	-0.12	-0.05	-0.04	-0.33	-0.14	-0.02	-0.05	-0.18
January 2019	-0.11	-0.07	-0.02	-0.30	-0.19	-0.07	-0.05	-0.16
February 2019	-0.09	-0.11	-0.02	-0.22	-0.22	-0.16	-0.06	-0.12
March 2019	-0.08	-0.13	-0.03	-0.11	-0.22	-0.22	-0.09	-0.08
April 2019	-0.07	-0.14	-0.06	-0.02	-0.23	-0.25	-0.12	-0.05
May 2019	-0.07	-0.14	-0.10	0.03	-0.25	-0.27	-0.15	-0.05
June 2019	-0.07	-0.13	-0.13	0.05	-0.26	-0.28	-0.17	-0.06
July 2019	-0.06	-0.10	-0.12	0.06	-0.27	-0.25	-0.20	-0.08
August 2019	-0.06	-0.09	-0.10	0.04	-0.25	-0.22	-0.21	-0.09
September 2019	-0.06	-0.08	-0.09	0.03	-0.22	-0.22	-0.22	-0.09
Year on Year growth rate (%)								
October 2018	-0.67	0.26	-0.50	-1.23	0.08	-1.99	-0.80	-0.78
November 2018	-0.84	0.07	-0.57	-1.39	-0.09	-2.21	-0.89	-0.95
December 2018	-0.99	-0.10	-0.63	-1.58	-0.31	-2.31	-0.94	-1.09
January 2019	-1.10	-0.27	-0.70	-1.76	-0.56	-2.35	-0.96	-1.21
February 2019	-1.16	-0.44	-0.77	-1.92	-0.82	-2.35	-0.96	-1.30
March 2019	-1.19	-0.60	-0.82	-2.01	-1.05	-2.33	-0.96	-1.35
April 2019	-1.20	-0.74	-0.87	-2.00	-1.28	-2.30	-0.99	-1.39
May 2019	-1.20	-0.85	-0.92	-1.96	-1.52	-2.29	-1.04	-1.40
June 2019	-1.19	-0.93	-0.96	-1.92	-1.76	-2.27	-1.11	-1.41
July 2019	-1.15	-1.00	-0.95	-1.83	-1.99	-2.21	-1.19	-1.42
August 2019	-1.10	-1.05	-0.91	-1.68	-2.19	-2.14	-1.30	-1.39
September 2019	-1.03	-1.10	-0.87	-1.42	-2.37	-2.12	-1.43	-1.33

OTHER OECD COUNTRIES

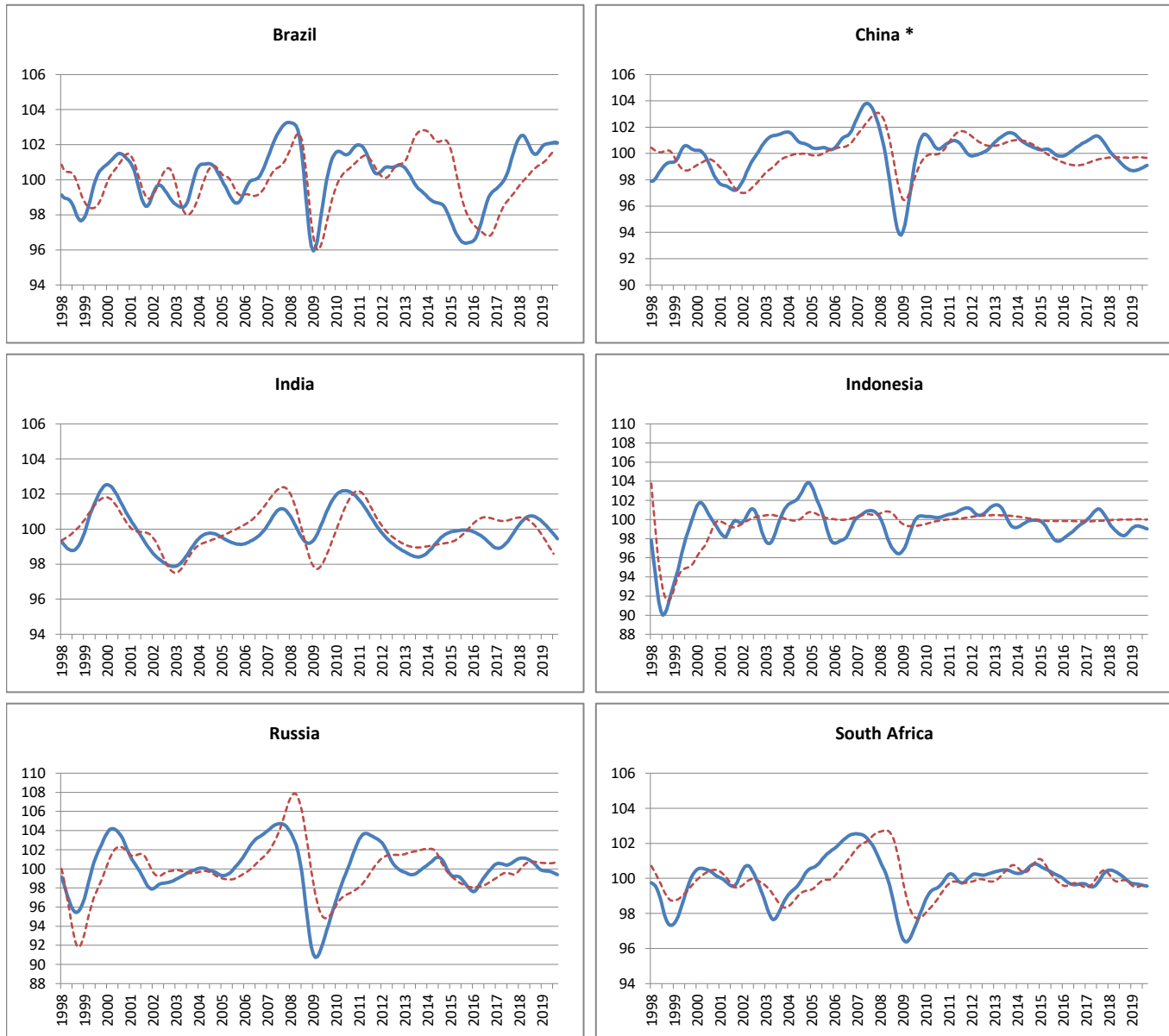
----- Reference series — Composite leading indicators



	Switzerland	Turkey
Amplitude adjusted (long term average =100)		
October 2018	99.97	96.12
November 2018	99.79	96.03
December 2018	99.65	96.18
January 2019	99.55	96.44
February 2019	99.50	96.78
March 2019	99.48	97.14
April 2019	99.47	97.53
May 2019	99.48	97.93
June 2019	99.48	98.40
July 2019	99.46	98.91
August 2019	99.45	99.48
September 2019	99.44	100.03
Month on Month growth rate (%)		
October 2018	-0.19	-0.51
November 2018	-0.18	-0.09
December 2018	-0.14	0.15
January 2019	-0.10	0.28
February 2019	-0.05	0.35
March 2019	-0.02	0.38
April 2019	0.00	0.40
May 2019	0.01	0.41
June 2019	-0.01	0.48
July 2019	-0.02	0.53
August 2019	-0.01	0.57
September 2019	-0.02	0.56
Year on Year growth rate (%)		
October 2018	-1.24	-7.73
November 2018	-1.50	-7.72
December 2018	-1.68	-7.37
January 2019	-1.76	-6.84
February 2019	-1.74	-6.09
March 2019	-1.64	-5.14
April 2019	-1.52	-4.00
May 2019	-1.38	-2.72
June 2019	-1.23	-1.27
July 2019	-1.08	0.35
August 2019	-0.90	2.05
September 2019	-0.72	3.54

MAJOR NON MEMBER COUNTRIES

----- Reference series — Composite leading indicators



* The reference series for China is the value added of industry, at 1995 constant prices, 100 million Yuan.

	Brasil	China	India	Indonesia	Russia	South Africa
Amplitude adjusted (long term average =100)						
October 2018	101.46	98.91	100.67	98.41	100.33	99.94
November 2018	101.57	98.81	100.60	98.61	100.11	99.85
December 2018	101.72	98.74	100.52	98.84	99.94	99.77
January 2019	101.88	98.70	100.43	99.05	99.83	99.72
February 2019	101.99	98.69	100.33	99.20	99.79	99.69
March 2019	102.04	98.72	100.22	99.30	99.77	99.68
April 2019	102.06	98.76	100.10	99.33	99.76	99.67
May 2019	102.07	98.80	99.98	99.31	99.73	99.66
June 2019	102.11	98.86	99.85	99.25	99.66	99.63
July 2019	102.13	98.94	99.72	99.18	99.58	99.60
August 2019	102.14	99.02	99.58	99.08	99.48	99.58
September 2019	102.11	99.11	99.45	99.03	99.40	99.56
Month on Month growth rate (%)						
October 2018	0.01	-0.12	-0.05	0.09	-0.20	-0.10
November 2018	0.10	-0.09	-0.06	0.20	-0.21	-0.09
December 2018	0.15	-0.07	-0.08	0.24	-0.18	-0.08
January 2019	0.16	-0.04	-0.09	0.21	-0.10	-0.05
February 2019	0.11	-0.01	-0.10	0.15	-0.04	-0.02
March 2019	0.04	0.03	-0.11	0.10	-0.01	-0.01
April 2019	0.02	0.04	-0.12	0.04	-0.01	-0.01
May 2019	0.02	0.05	-0.12	-0.02	-0.04	-0.02
June 2019	0.03	0.06	-0.13	-0.06	-0.07	-0.02
July 2019	0.03	0.08	-0.13	-0.08	-0.09	-0.03
August 2019	0.00	0.08	-0.13	-0.10	-0.09	-0.03
September 2019	-0.03	0.08	-0.14	-0.05	-0.09	-0.02
Year on Year growth rate (%)						
October 2018	-0.10	-1.99	0.90	-2.25	-0.39	-0.28
November 2018	-0.33	-1.88	0.67	-1.76	-0.75	-0.50
December 2018	-0.45	-1.73	0.42	-1.21	-1.05	-0.66
January 2019	-0.50	-1.55	0.18	-0.67	-1.24	-0.75
February 2019	-0.52	-1.36	-0.06	-0.15	-1.33	-0.78
March 2019	-0.48	-1.18	-0.29	0.16	-1.34	-0.76
April 2019	-0.36	-1.00	-0.50	0.41	-1.33	-0.72
May 2019	-0.16	-0.83	-0.69	0.58	-1.31	-0.69
June 2019	0.11	-0.63	-0.87	0.70	-1.29	-0.65
July 2019	0.37	-0.39	-1.02	0.77	-1.26	-0.61
August 2019	0.56	-0.15	-1.15	0.76	-1.21	-0.55
September 2019	0.64	0.08	-1.26	0.73	-1.13	-0.48