

Is there a link between globalization and civil conflict?

—Online Appendix—

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## Additional Tables and Figures

Table A1: Components of the KOF index of globalization.

<i>Indices and Variables</i>	<i>Weights</i>
<i>Economic Globalization</i>	[36%]
Actual flows	[50%]
Trade (percent of GDP)	(21%)
Foreign direct investment, stocks (percent of GDP)	(28%)
Portfolio investment (percent of GDP)	(24%)
Income payments to foreign nationals (percent of GDP)	(27%)
Restrictions	[50%]
Hidden import barriers	(24%)
Mean tariff rate	(27%)
Taxes on international trade (percent of current revenue)	(26%)
Capital account testrisctions	(23%)
<i>Social Globalization</i>	[37%]
Data on personal contacts	[34%]
Telephone traffic	(25%)
Transfers (% of GDP)	(4%)
International tourism	(26%)
Foreign population (percent of total population)	(21%)
International letters (per capita)	(25%)
Data on information flows	[35%]
Internet users (per 1000 people)	(33%)
Television (per 1000 people)	(36%)
Trade in newspapers (percent of GDP)	(32%)
Data on cultural proximity	[31%]
Number of McDonald's restaurants (per capita)	(44%)
Number of Ikea (per capita)	(45%)
Trade in books (% of GDP)	(11%)
<i>Political globalization</i>	[26%]
Embassies in country	(25%)
Membership in international organizations	(28%)
Participation in UN Security Council Missions	(22%)
International treaties	(25%)

Source: <http://globalization.kof.ethz.ch/>

Table A2: Correlation coefficients between the various dimensions of globalization.

	Overall globalization	Economic globalization	Social globalization	Political globalization
Overall globalization	1.000			
Economic globalization	0.858	1.000		
Social globalization	0.947	0.772	1.000	
Political globalization	0.587	0.218	0.417	1.000

Notes: Data for 148 countries in 2009. All the correlation coefficients are statistically significant at the 1% level.

Table A3: Descriptive statistics.

Variable	Mean	Std. Dev.	Min	Max
Conflict incidence: PRIO25	0.17	0.38	0	1
Conflict incidence: PRIOCW	0.13	0.34	0	1
Conflict incidence: PRIOWAR	0.05	0.21	0	1
Conflict onset (PRIO25)	0.02	0.15	0	1
Overall globalization	47.18	18.26	12.26	92.84
Economic globalization	49.60	19.42	9.42	97.52
Social globalization	38.66	21.45	6.01	93.25
Political globalization	57.95	21.81	4.28	98.56
GDP per capita (log)	8.30	1.30	4.76	11.92
Economic growth	0.02	0.07	-0.97	0.80
Democracy	0.44	0.50	0	1
Anocracy	0.23	0.42	0	1
Natural resources	9.02	15.22	0	214.49
Overall globalization in neighbouring countries	42.33	13.68	8.66	83.82
Economic global. in neighbouring countries	46.55	14.09	14.92	86.25
Social globalization in neighbouring countries	36.42	14.30	8.62	80.45
Political globalization in neighbouring countries	49.25	14.90	7.15	89.35
Conflict in neighbouring countries	0.15	0.13	0.01	0.78

Table A4: Robustness analysis: Effect of different groups of countries.

	FE- 2SLS (1)	FE- 2SLS (2)	FE- 2SLS (3)	FE- 2SLS (4)	FE- 2SLS (5)	FE- 2SLS (6)	FE- 2SLS (7)	FE- 2SLS (8)	FE- 2SLS (9)	FE- 2SLS (10)
Overall globalization	0.000 (0.002)					-0.003 (0.003)				
Economic globalization		0.002 (0.002)			0.006 (0.010)		-0.002 (0.002)			-0.009 (0.016)
Social globalization			-0.000 (0.002)		-0.004 (0.007)			-0.002 (0.002)		0.006 (0.013)
Political globalization				0.001 (0.002)	0.001 (0.003)				0.001 (0.002)	0.002 (0.003)
GDP per capita (log)	0.041 (0.026)	0.025 (0.026)	0.044* (0.026)	0.036 (0.030)	0.0382 (0.046)	0.03 (0.023)	0.013 (0.026)	0.029 (0.023)	0.015 (0.020)	-0.006 (0.040)
Economic growth	-0.079 (0.067)	-0.059 (0.077)	-0.080 (0.066)	-0.082 (0.066)	-0.112 (0.124)	0.036 (0.080)	0.051 (0.091)	0.028 (0.081)	0.040 (0.081)	0.085 (0.142)
Democracy	0.005 (0.025)	-0.002 (0.024)	0.005 (0.024)	0.002 (0.025)	-0.016 (0.030)	0.012 (0.020)	0.012 (0.020)	0.009 (0.021)	0.006 (0.021)	0.013 (0.026)
Anocracy	0.039 (0.024)	0.036 (0.025)	0.039 (0.025)	0.038 (0.025)	0.031 (0.028)	0.048** (0.022)	0.047** (0.022)	0.045** (0.023)	0.049** (0.022)	0.048* (0.027)
Natural resources	-0.000 (0.001)	0.000 (0.001)	-0.001 (0.001)	-0.000 (0.001)	-0.000 (0.001)	-0.001 (0.001)	0.001 (0.001)	-0.001 (0.001)	-0.000 (0.001)	0.002 (0.002)
Omitted countries	Sub-Saharan Africa	Sub-Saharan Africa	Sub-Saharan Africa	Sub-Saharan Africa	Sub-Saharan Africa	Asia	Asia	Asia	Asia	Asia
Country fixed effects	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Root mean square error	0.180	0.178	0.179	0.180	0.181	0.203	0.200	0.203	0.350	0.210
Countries	114	100	114	114	100	132	120	132	133	120
Observations	3,325	3,067	3,325	3,325	3,067	4,145	3,838	4,145	4,165	3,838

Notes: The dependent variable is a binary variable that takes a value of one for conflicts with 25 or more battle-related deaths in a year, zero otherwise (PRIO25). Robust standard errors clustered at the country level in parentheses. \* Significant at 10% level, \*\* significant at 5% level, \*\*\* significant at 1% level.

Table A4: Robustness analysis: Effect of different groups of countries (continuation).

	FE- 2SLS (1)	FE- 2SLS (2)	FE- 2SLS (3)	FE- 2SLS (4)	FE- 2SLS (5)	FE- 2SLS (6)	FE- 2SLS (7)	FE- 2SLS (8)	FE- 2SLS (9)	FE- 2SLS (10)
Overall globalization	-0.002 (0.003)					-0.008 (0.007)				
Economic globalization		0.000 (0.002)			0.058 (0.427)		-0.004 (0.007)		-0.103 (2.800)	
Social globalization			-0.003 (0.002)		-0.056 (0.405)			-0.006 (0.005)	0.102 (2.864)	
Political globalization				0.003 (0.005)	-0.021 (0.173)				0.001 (0.004)	-0.013 (0.381)
GDP per capita (log)	0.013 (0.021)	-0.018 (0.020)	0.018 (0.021)	-0.198 (5.620)	-0.109 (0.519)	0.053 (0.037)	0.015 (0.029)	0.050 (0.035)	0.007 (0.036)	-0.066 (1.056)
Economic growth	0.024 (0.068)	0.050 (0.094)	0.0156 (0.068)	-0.1019 (3.810)	0.0258 (0.301)	0.0329 (0.071)	0.0834 (0.098)	0.0225 (0.073)	0.0449 (0.073)	0.2311 (2.202)
Democracy	0.004 (0.021)	-0.003 (0.020)	-0.002 (0.020)	-0.329 (9.396)	-0.086 (0.216)	0.004 (0.023)	0.002 (0.024)	-0.002 (0.022)	-0.005 (0.024)	0.050 (0.747)
Anocracy	0.035 (0.022)	0.033 (0.022)	0.028 (0.024)	-0.120 (4.457)	0.003 (0.065)	0.041* (0.022)	0.038* (0.022)	0.036 (0.023)	0.042* (0.024)	0.057 (0.333)
Natural resources	-0.000 (0.001)	0.001 (0.001)	-0.001 (0.001)	0.003 (0.095)	0.003 (0.015)	-0.000 (0.001)	0.001 (0.001)	-0.000 (0.001)	-0.000 (0.001)	0.006 (0.060)
Omitted countries	Latin America & Caribbean	High income countries								
Country fixed effects	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Year dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Root mean square error	0.212	0.207	0.213	0.472	0.231	0.237	0.232	0.236	0.238	0.280
Countries	136	117	136	137	117	112	95	112	113	95
Observations	4,009	3,614	4,009	4,029	3,614	3,359	3,001	3,359	3,379	3,001

Notes: The dependent variable is a binary variable that takes a value of one for conflicts with 25 or more battle-related deaths in a year, zero otherwise (PRIO25). Robust standard errors clustered at the country level in parentheses. \* Significant at 10% level, \*\* significant at 5% level, \*\*\* significant at 1% level.

Table A5: Robustness analysis: The impact of cross-border conflict spillovers (alternative definition).

	FE- OLS (1)	FE- 2SLS (2)	FE- OLS (3)	FE- 2SLS (4)	FE- OLS (5)	FE- 2SLS (6)	FE- OLS (7)	FE- 2SLS (8)	FE- OLS (9)	FE- 2SLS (10)
Lagged conflict	0.597*** (0.039)	0.596*** (0.039)	0.618*** (0.040)	0.618*** (0.040)	0.597*** (0.039)	0.596*** (0.039)	0.597*** (0.038)	0.599*** (0.039)	0.618*** (0.040)	0.619*** (0.042)
Overall globalization	-0.001 (0.001)	-0.002 (0.003)								
Economic globalization			-0.000 (0.001)	-0.000 (0.002)					-0.000 (0.001)	0.001 (0.012)
Social globalization					-0.001 (0.001)	-0.002 (0.002)			-0.001 (0.001)	-0.004 (0.012)
Political globalization							-0.000 (0.001)	0.001 (0.002)	-0.000 (0.001)	0.002 (0.002)
GDP per capita (log)	0.029 (0.018)	0.032 (0.022)	0.017 (0.022)	0.017 (0.024)	0.030 (0.019)	0.033 (0.022)	0.024 (0.018)	0.020 (0.021)	0.022 (0.022)	0.015 (0.042)
Economic growth	0.021 (0.077)	0.021 (0.077)	0.045 (0.087)	0.044 (0.088)	0.019 (0.077)	0.017 (0.078)	0.029 (0.077)	0.030 (0.078)	0.041 (0.087)	0.035 (0.134)
Democracy	-0.007 (0.019)	-0.006 (0.019)	-0.008 (0.019)	-0.008 (0.018)	-0.008 (0.019)	-0.009 (0.019)	-0.008 (0.019)	-0.013 (0.022)	-0.009 (0.018)	-0.017 (0.030)
Anocracy	0.031 (0.020)	0.030 (0.020)	0.030 (0.020)	0.031 (0.020)	0.029 (0.020)	0.028 (0.021)	0.031 (0.020)	0.028 (0.020)	0.028 (0.020)	0.025 (0.028)
Natural resources	-0.001 (0.001)	-0.001 (0.001)	0.001 (0.001)	0.001 (0.001)	-0.001 (0.001)	-0.001 (0.001)	-0.000 (0.001)	-0.000 (0.001)	0.001 (0.001)	0.000 (0.002)
Conflict in neighbouring countries	0.160** (0.079)	0.159** (0.078)	0.144* (0.079)	0.144* (0.077)	0.160** (0.080)	0.159** (0.080)	0.162** (0.079)	0.156* (0.087)	0.144* (0.079)	0.149 (0.102)
Country fixed effects	Yes									
Year dummies	Yes									
Root mean square error	0.205	0.205	0.200	0.200	0.205	0.205	0.206	0.206	0.200	0.200
Countries	158	158	138	138	158	158	159	159	138	138
Observations	4,494	4,494	4,097	4,097	4,494	4,494	4,511	4,511	4,097	4,097

Notes: The dependent variable is a binary variable that takes a value of one for conflicts with 25 or more battle-related deaths in a year, zero otherwise (PRIO25). The variable 'Conflict in neighbouring countries' has been constructed as the average incidence of conflict in neighbouring countries over the last five years (see the main text for further details). Robust standard errors clustered at the country level in parentheses. \* Significant at 10% level, \*\* significant at 5% level, \*\*\* significant at 1% level.

Table A6: Robustness analysis: Alternative definitions of conflict incidence.

	FE- 2SLS (1)	FE- 2SLS (2)	FE- 2SLS (3)	FE- 2SLS (4)	FE- 2SLS (5)	FE- 2SLS (6)	FE- 2SLS (7)	FE- 2SLS (8)	FE- 2SLS (9)	FE- 2SLS (10)
Dependent variable	PRIOCW	PRIOCW	PRIOCW	PRIOCW	PRIOCW	PRIOWAR	PRIOWAR	PRIOWAR	PRIOWAR	PRIOWAR
Lagged conflict	0.715*** (0.034)	0.727*** (0.035)	0.715*** (0.034)	0.718*** (0.033)	0.726*** (0.035)	0.545*** (0.045)	0.559*** (0.046)	0.545*** (0.045)	0.543*** (0.044)	0.561*** (0.046)
Overall globalization	-0.001 (0.002)					-0.001 (0.002)				
Economic globalization		-0.000 (0.002)			-0.004 (0.010)		-0.000 (0.002)			0.003 (0.007)
Social globalization			-0.000 (0.001)		0.003 (0.008)			-0.001 (0.001)		-0.003 (0.005)
Political globalization				0.000 (0.002)	0.001 (0.002)				0.000 (0.001)	0.000 (0.001)
GDP per capita (log)	0.015 (0.015)	0.007 (0.016)	0.013 (0.015)	0.009 (0.013)	-0.011 (0.033)	0.013 (0.010)	0.011 (0.014)	0.012 (0.010)	0.006 (0.009)	0.022 (0.022)
Economic growth	0.056 (0.075)	0.040 (0.080)	0.055 (0.075)	0.060 (0.075)	0.070 (0.114)	-0.001 (0.050)	-0.055 (0.056)	-0.004 (0.050)	0.002 (0.050)	-0.078 (0.072)
Democracy	-0.001 (0.012)	-0.003 (0.012)	-0.002 (0.013)	-0.004 (0.013)	0.003 (0.022)	-0.003 (0.012)	-0.003 (0.012)	-0.004 (0.011)	-0.005 (0.012)	-0.010 (0.019)
Anocracy	0.023* (0.013)	0.018 (0.014)	0.024* (0.014)	0.023* (0.013)	0.022 (0.017)	0.005 (0.012)	0.007 (0.013)	0.004 (0.012)	0.006 (0.013)	0.003 (0.014)
Natural resources	-0.000 (0.000)	0.001 (0.001)	-0.000 (0.000)	-0.000 (0.000)	0.001 (0.001)	-0.000 (0.000)	-0.000 (0.001)	-0.000 (0.000)	-0.000 (0.000)	-0.001 (0.001)
Country fixed effects	Yes									
Year dummies	Yes									
Root mean square error	0.154	0.152	0.154	0.154	0.153	0.146	0.148	0.146	0.148	0.149
Countries	159	139	159	160	139	159	139	159	160	139
Observations	4,864	4,431	4,864	4,884	4,431	4,864	4,431	4,864	4,884	4,431

Notes: Robust standard errors clustered at the country level in parentheses. \* Significant at 10% level, \*\* significant at 5% level, \*\*\* significant at 1% level.

Table A7: Robustness analysis: Globalization and conflict onset.

	FE- 2SLS (1)	FE- 2SLS (2)	FE- 2SLS (3)	FE- 2SLS (4)	FE- 2SLS (5)
Dependent variable	ONSET	ONSET	ONSET	ONSET	ONSET
Overall globalization	-0.003 (0.002)				
Economic globalization		-0.001 (0.001)			0.010 -0.012
Social globalization			-0.003* ( -0.001)		-0.010 (0.010)
Political globalization				0.000 (0.001)	0.001 (0.002)
GDP per capita (log)	0.024* (0.012)	0.013 (0.013)	0.028** (0.013)	0.011 (0.009)	0.054 (0.044)
Economic growth	0.008 (0.028)	0.037 (0.036)	-0.002 (0.028)	0.008 (0.028)	-0.054 (0.102)
Democracy	0.012 (0.011)	0.014 (0.011)	0.007 (0.011)	0.008 (0.011)	-0.012 (0.03)
Anocracy	0.015 (0.011)	0.020* (0.011)	0.010 (0.012)	0.018* (0.011)	0.0061 (0.019)
Natural resources	-0.000 (0.000)	0.001 (0.000)	-0.000 (0.000)	-0.000 (0.000)	-0.001 (0.002)
Country fixed effects	Yes	Yes	Yes	Yes	Yes
Year dummies	Yes	Yes	Yes	Yes	Yes
Root mean square error	0.142	0.137	0.141	0.142	0.148
Countries	159	139	159	160	139
Observations	4,864	4,431	4,864	4,884	4,431

Notes: Robust standard errors clustered at the country level in parentheses. \* Significant at 10% level, \*\* significant at 5% level, \*\*\* significant at 1% level.

Figure A1: First stage regressions: Partial regression plots.

