

Online Appendices to:

*How do elections affect international cooperation? Evidence from environmental treaty participation*

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2014

**Online Appendix A: List of treaties**

Treaty name	Year of opening for ratification	Year of entry into force	Nb parties
Convention on the Prohibition of Military or any other Hostile Use of Environmental Modification Techniques	1976	1978	29
Protocol to the International Convention on the Establishment of an International Fund of Compensation for Oil Pollution Damage	1976	1994	20
Convention on Limitation of Liability for Maritime Claims	1976	1986	18
Protocol to the International Convention on Civil Liability for Oil Pollution Damage	1976	1981	25
Convention concerning the Protection of Workers against Occupational Hazards in the Working Environment due to Air Pollution	1977	1979	17
International Convention for the Prevention of Pollution from Ships ( MARPOL ) - Annex IV (Optional): Sewage	1978	-	30
International Convention for the Prevention of Pollution from Ships Hazardous substances carried in packaged form	1978	1992	39
International Convention on Standards of Training Certification and Watchkeeping for Seafarers	1978	1984	49
Convention of the Carriage of Goods by Sea	1978	1992	3
Convention on the Conservation of Migratory Species of Wild Animals	1979	1983	32
Convention on the Physical Protection of Nuclear Material	1979	1987	31
Constitution of the United Nations Industrial Development Organization	1979	1985	45
United Nations Convention on the Law of the Sea	1982	1994	49
Statutes of the International Centre for Genetic Engineering and Biotechnology	1983	1994	22
International Tropical Timber Agreement (Geneva, 1983)	1983	1985	30
Convention for the Protection of the Ozone Layer	1985	1988	73
Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency	1986	1987	39
Convention on Early Notification of a Nuclear Accident	1986	1987	43
Protocol on Substances that Deplete the Ozone Layer	1987	1989	73
Joint Protocol relating to the application of the Vienna Convention and the Paris Convention	1988	1992	11

Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal	1989	1992	72
International Convention on Oil Pollution Preparedness Response and Co-operation	1990	1995	27
International Convention for the Protection of New Varieties of Plants (consolidated version)	1991	1998	9
Convention on Environmental Impact Assessment in a Transboundary Context	1991	1997	18
Convention on Biological Diversity	1992	1993	83
United Nations Framework Convention on Climate Change	1992	1994	85
Convention on Transboundary Effects of Industrial Accidents	1992	-	8
Convention on the Prohibition of the Development Production and their Destruction	1993	1997	70
Agreement to Promote Compliance with International Conservation and Management Measures by Fishing Vessels on the High Seas	1993	-	6
International Convention to Combat Desertification in those Countries Experiencing Serious Drought and or Desertification	1994	1996	81
Convention on Nuclear Safety	1994	1996	34
Agreement relating to the Implementation of Part XI of the United Nations Convention on the Law of the Sea of 10 December 1982	1994	1996	48
International Tropical Timber Agreement (Geneva, 1994)	1994	1997	27
Agreement for the Implementation of the Provisions of the United Nations Convention on the Law of the Sea relating to the Conservation and Management of Straddling Fish Stocks and Highly Migratory Fish Stocks	1995	-	6
International Convention on Liability and Compensation for Damage in Connection with the Carriage of Hazardous and Noxious Substances by Sea	1996	-	0
Comprehensive Nuclear Test - Ban Treaty	1996	-	32
Protocol to the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter	1996	-	4
Convention on Supplementary Compensation for Nuclear Damage	1997	-	0
Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management	1997	-	4
Kyoto Protocol to the United Nations Framework Convention on Climate Change	1997	-	3
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade	1998	-	0

## Online Appendix B: List of countries

Country name	dpi	BS	Country name	dpi	BS	Country name	dpi	BS
Albania	2	2	Ethiopia	2	2	New zealand*	2	1
Algeria	1	1	Finland*	2	2	Nicaragua	1	2
Angola	1	2	France*	2	2	Niger	1	1
Argentina	1	2	Gabon	1	2	Nigeria	1	2
Australia*	2	1	Gambia	1	2	Norway*	2	1
Austria*	2	2	Ghana	1	2	Pakistan	2	1
Azerbaijan	1	2	Greece*	2	2	Panama	1	2
Bangladesh	2	2	Guatemala	1	1	Paraguay	1	2
Belgium*	2	2	Guinea	1	2	Peru	1	1
Benin	1	1	Honduras	1	2	Philippines	1	2
Bolivia	1	2	Hungary	2	2	Poland	1	2
Botswana	2	1	India	2	1	Portugal*	2	2
Brazil	1	2	Indonesia	2	2	Romania	2	2
Bulgaria	2	2	Ireland*	2	2	Senegal	1	1
Burkina faso	1	1	Israel*	2	2	Sierra leone	1	2
Burundi	1	1	Italy*	2	2	South africa	2	1
Cambodia	2	2	Japan*	2	2	Spain*	2	2
Cameroon	1	2	Kenya	1	1	Sri lanka	1	1
Canada*	2	1	Latvia	2	2	Sudan	1	2
Central african republic	1	2	Lesotho	2	1	Sweden*	2	2
Chad	1	2	Liberia	1	2	Switzerland*	2	2
Chile	1	2	Madagascar	1	1	Tanzania	1	1
Colombia	1	2	Malawi	1	1	Thailand	2	1
Congo	1	2	Malaysia	2	2	Togo	2	1
Costa rica	1	2	Mali	1	1	Turkey	2	2
Cote d'ivoire	1		Mauritania	1	2	Uganda	1	2
Cyprus	1	2	Mexico	1	2	United kingdom*	2	1
Denmark*	2	2	Moldova	1	2	United states*	1	2
Djibouti	1	2	Mongolia	1	2	Uruguay	1	2
Dominican republic	1	2	Mozambique	1	2	Venezuela	1	2
Ecuador	1	2	Namibia	1	2	Yemen	2	2
Egypt	2	1	Nepal	2	2	Zambia	1	1
El salvador	1	2	Netherlands*	2	2	Zimbabwe	2	1

*Notes: A “\*” associated with a country name means that it is a developed country during the majority of the studied period. A value of 1 means the presidential election was relevant while 2 means the legislative election was relevant, according to the World Bank (column “dpi”) or the work of Beth Simmons (column “BS”). Values reported in this table are the ones valid for the majority of the period.*

## Online Appendix C: Example of database construction

Remark that the construction of the four six-month dummies implies a change in the value of covariates every 6 months before and after an election. To clearly see the implications for the database construction and the methodological contribution it allows, let us take an example. We observe a country  $c$ , ratifying a treaty  $a$ . The analysis starts on January 1<sup>st</sup> 1976 (day 0). There is an election in this country on the the July 24<sup>th</sup> 1980 (day 1600). The country ratifies on the November 27<sup>th</sup> 1981 (day 2156). This leads to the set of observations presented in the following table for this case.

year	day_start	day_end	ratif.	Pre_S2	Pre_S1	Post_S1	Post_S2	GDPpc
1976	0	365	0	0	0	0	0	1000
1977	365	730	0	0	0	0	0	900
1978	730	1095	0	0	0	0	0	1100
1979	1095	1235	0	0	0	0	0	1150
1979	1235	1460	0	1	0	0	0	1150
1980	1460	1518	0	1	0	0	0	1160
1980	1518	<b>1600</b>	0	0	1	0	0	1160
1980	<b>1600</b>	1782	0	0	0	1	0	1160
1980	1782	1825	0	0	0	0	1	1160
1981	1825	1965	0	0	0	0	1	1200
1981	1965	<b>2156</b>	1	0	0	0	0	1200

## Online Appendix D: Additional results

Table D.1: No control for treaty or country heterogeneity, no control variables (Cox PH model)

	<i>No control for treaty or country heterogeneity</i>		<i>No control variables</i>	
	Developed (1)	Developing (2)	Developed (3)	Developing (4)
Pre_S2	1.060 (0.131)	1.111 (0.118)	1.134 (0.139)	1.078 (0.122)
Pre_S1	0.842 (0.140)	1.451*** (0.109)	0.945 (0.148)	1.391*** (0.114)
Post_S1	0.948 (0.141)	1.027 (0.122)	0.971 (0.150)	0.940 (0.126)
Post_S2	1.275** (0.123)	0.950 (0.122)	1.276* (0.131)	0.923 (0.125)
GDPpc	1.011 (0.007)	1.065*** (0.037)	-	-
Polity	1.136 (0.121)	1.006 (0.007)	-	-
Trade_openness	0.999 (0.001)	0.998* (0.001)	-	-
Nb. Obs.	15331	40082	15414	40186
Nb. Countries	21	78	21	78
Nb. Events	514	781	514	782

Notes: \*\*\*=significant at the 1% level, \*\*=significant at the 5% level, \*=significant at the 10% level. Standard errors associated with the reported hazard ratios are in parentheses.

Table D.2: Change of classification with Beth Simmons variable, without most recent treaties (Cox PH model)

	<i>Change of classification with Beth Simmons variable</i>		<i>Without most recent treaties (1992)</i>	
	Developed (1)	Developing (2)	Developed (3)	Developing (4)
Pre_S2	1.087 (0.139)	1.110 (0.122)	1.226 (0.155)	0.921 (0.148)
Pre_S1	0.931 (0.148)	1.460*** (0.114)	0.942 (0.170)	1.281* (0.134)
Post_S1	0.975 (0.148)	0.869 (0.135)	1.119 (0.168)	0.869 (0.148)
Post_S2	1.253* (0.131)	0.773* (0.136)	1.298* (0.152)	0.958 (0.144)
GDPpc	1.011 (0.020)	1.066 (0.041)	1.027 (0.021)	1.117** (0.047)
Polity2	0.937 (0.190)	1.019 (0.012)	0.911 (0.193)	1.015 (0.014)
Trade_openness	1.000 (0.004)	0.998 (0.002)	0.999 (0.005)	0.997 (0.002)
Nb. Obs.	15872	39555	12785	31589
Nb. Countries	21	79	21	78
Nb. Events	514	773	399	581

*Notes: \*\*\*=significant at the 1% level, \*\*=significant at the 5% level, \*=significant at the 10% level. Standard errors associated with the reported hazard ratios are in parentheses.*