

Web Appendix for Koremenos, Barbara (2011). The Continent of International Law. *Journal of Conflict Resolution*, forthcoming.

1. Symmetry of Agreements
2. Summary Statistics of Variables for Factor Analysis
3. Regression Scoring Coefficients
4. Definition of Complexity and List of Agreements by Complexity

## 1. Symmetry of Agreements

**Symmetry of Agreements by Issue Area, percentage of agreements**

	Economics (%)	Environment (%)	Human Rights (%)	Security (%)	Total (%)
<i>Symmetric</i>	78	92	100	52	79
<i>Mildly Asymmetric</i>	21	8	0	48	20
<i>Profoundly Asymmetric</i>	1	0	0	0	1
N	72	25	24	25	146

## 2. Summary Statistics of Variables used in Factor Analysis

**Summary Statistics**

	Obs.	Mean	Std. Dev.	Min	Max
<i>simplicity cooperation problem</i>	144	2.3125	0.7142	1	3
<i>length</i>	144	5.7431	4.2274	1	22
<i>annex/appendix</i>	144	0.2153	0.4124	0	1
<i>precision</i>	144	3.0486	0.7128	1	4
<i>references to other agreements</i>	144	0.7639	0.4262	0	1

Notes: Simplicity is coded as (1) relatively complex, (2) average, (3) relatively simple. Precision is coded as (1) very vague, (2) somewhat vague, (3) somewhat precise, (4) very precise. See the text and web appendices for further discussion.

### 3. Regression Scoring Coefficients

<b>Regression Scoring Coefficients</b>				
	Factor1	Factor2	Factor3	Factor4
<i>simplicity cooperation problem</i>	0.6474	0.0362	0.1160	0.1283
<i>length</i>	-0.0668	0.4895	0.1557	-0.1551
<i>annex/appendix</i>	0.0970	0.4303	-0.1769	0.1566
<i>precision</i>	0.0797	0.0197	0.5030	0.0079
<i>references to other agreements</i>	-0.2718	0.0289	0.2299	0.3050

#### **4. Complexity Variable: Definition and List of Agreements**

Coding the complexity of international agreements is one of the novel aspects of the Continent of International Law (COIL). The coding allows for three degrees of complexity: relatively simple, average, and relatively complex. While being one of the most important concepts in this research project, the coding decisions are among the most subjective ones, and hence warrant some further elaboration.

Complexity for the purposes of COIL refers to the ease with which a set of cooperation problems can be resolved through international cooperation. This conception is, hence, distinct from complexity as the degree to which a subject matter can be grasped and understood by the involved actors. An international agreement is not complex because only subject experts are able to understand it; rather, an international agreement is complex when it addresses a cooperation problem that is hard to solve through international cooperation. As such, three factors are particularly important for assessing the complexity of an agreement: the number of involved actors, the nature and number of cooperation problems, and the sensitivity of the issue in question. These points are considered in more detail in turn.

The first factor is the number of actors involved. From a mere transaction cost argument, the more states are involved in an agreement, the more difficult it will be to reach consensus on its terms. But the number of actors involved comes into play also on another dimension: Not only are there the participating states, but also the actors within each participating state that need to be taken into account. Specifically, agreements characterized by “two-level problems,” in which a government lacks complete control over domestic actors such as firms or NGOs, will be coded as more complex than agreements without such two-level dynamics. Two-level problems are particularly acute in some of the environmental and human rights agreements.

A second factor to look at is the number and nature of the underlying cooperation problems. Encouraging positive externalities, for instance, is often relatively simple through the use of financial incentives. Agreements characterized by enforcement problems, distribution problems, or uncertainty about preferences, on the other hand, are coded as more complex. As an example, consider human rights agreements. These are often characterized by distribution problems (due to conflict about which human rights standard to choose), and uncertainty about the other signatories’ true intentions adds to the complexity of these agreements.

Third, the sensitivity of the agreement is considered. Security and disarmament agreements pertain to vital interests of states, and maintaining cooperation while another party to the agreement defects is particularly costly. These agreements are, moreover, often characterized by multiple cooperation problems and involve several actors, and therefore typically score high on the complexity variable. Trade and financial agreements, by contrast, are much less risky than disarmament agreements, typically involve only two cooperation problems, and as a consequence receive a lower coding for complexity in general.

Of the 146 agreements in the current release of COIL, 66 (or 45%) are coded as relatively simple. 57 (39%) are of average complexity, and the remaining 23 (16%) agreements are relatively complex. Table 1 shows the three categories of agreement complexity across issue areas. The table illustrates well the points just made. The share of relatively complex agreements is highest among security and human rights agreements, with 32% and 50%, respectively. The sample contains only two relatively complex economics agreement, and only one relatively complex environmental agreement.

**Table 1: Agreement Complexity across Issue Areas**

	<i>Security</i>	<i>Economics</i>	<i>Environment</i>	<i>Human Rights</i>	<i>Total</i>
<i>Relatively Simple</i>	13 (52%)	36 (50%)	11 (44%)	6 (25%)	66 (45%)
<i>Average</i>	4 (16%)	34 (47%)	13 (52%)	6 (25%)	57 (39%)
<i>Relatively Complex</i>	8 (32%)	2 (3%)	1 (4%)	12 (50%)	23 (16%)
<i>Total</i>	25 (100%)	72 (100%)	25 (100%)	24 (100%)	146 (100%)

The remainder of this document gives an overview of all agreements in the sample, sorted by degree of complexity; the COIL ID, the UNTS number, and the agreement name are given for each agreement.

<b>ID</b>	<b>UNTS</b>	<b>Name</b>
<i>relatively simple</i>		
AC 1	14430	Exchange of notes constituting an agreement concerning grain to be supplied by the Government of the United Kingdom of Great Britain to the Government of Mali within the framework of the Cereals Food Aid Programme of the European Economic Community.
AC 10	5579	Agricultural Commodities Agreement under Title I of the Agricultural Trade Development and Assistance Act, as amended (with exchange of notes).
AC 13	17753	Agreement relating to the transfer of agricultural commodities.
AC 14	4365	Agricultural Commodities Agreement under Title I of the Agricultural Trade Development and Assistance Act (with agreed minute and memorandum of Understanding).
AC 15	15915	Agreement for sales of agricultural commodities
AC 2	10249	Agreement for sales of agricultural commodities.
AC 23	18143	Agreement for the sale of agricultural commodities (with minutes of negotiations of 20 March 1978).
AC 3	13092	Agreement for sales of agricultural commodities.
AC 4	12254	Agreement for sales of agricultural commodities.
AC 48	3239	Exchange of notes constituting an interim agreement relating to the purchase of surplus agricultural commodities.
AC 5	10135	Supplementary Agreement for sales of agricultural commodities.
AC 7	11046	Agreement for sales of agricultural commodities.
AC 9	13629	Agreement for sales of agricultural commodities.
DS 11	17086	Agreement on the prevention of accidental nuclear war.
EN 1	21678	Agreement concerning financial co-operation—Refuse Disposal in the Freetown Metropolitan Area.
EN 16	9075	Agreement concerning the protection of frontier forests against fire.
EN 17	20754	Community-Cost Concentration Agreement on a concerted action project in the field of analysis of organic micro- pollutants in water.
EN 18	14017	Exchange of letters constituting an agreement concerning the free passage of salmon in Vanern Lake.
EN 21	19699	Memorandum of understanding on cooperation in earth sciences and environmental studies.

EN 23	17308	Agreement for plant protection-- Sudan quelea bird research project.
EN 28	6989	Agreement concerning co-operation in the matter of plant protection.
EN 36	17973	Exchange of notes constituting an agreement concerning land use and soil conservation in the eastern Amazon region.
EN 37	9963	Agreement on plant protection and phytosanitary quarantine.
EN 45	10476	African Migratory Locust Convention.
EN 6	23031	Exchange of notes constituting an agreement on the project Soil management and conservation in East Amazonia.
FN 1	21671	Agreement concerning financial co-operation on the Lake Volta Transport System.
FN 10	5851	Agreement relating to the purchase by Poland of surplus property prior to January 1, 1948.
FN 11	25393	Convention for the avoidance of double taxation and the prevention of fiscal evasion with respect to taxes on income.
FN 14	2913	Agreement concerning the disposition of certain accounts in Thailand under Article 16 of the Treaty of Peace with Japan of 8 September 1951.
FN 15	14491	Exchange of notes constituting an agreement concerning the delivery of a linear accelerator to the Cancer Institute.
FN 17	24332	Agreement concerning financial co-operation.
FN 22	22444	Agreement concerning financial co-operation.
FN 24	20214	Agreement concerning financial co-operation.
FN 28	4114	Agreement for financing certain educational exchange programs.
FN 3	10576	Convention for the avoidance of double taxation and the prevention of fiscal evasion with respect to taxes on income.
FN 32	21732	Agreement Concerning Financial co-operation.
FN 35	8851	Agreement concerning the collection of bills, drafts, etc.
FN 37	11868	Agreement concerning the compensation of Netherlands interests.
FN 38	18930	Convention for the avoidance of double taxation and the prevention of fiscal evasion with respect to taxes on income and on capital (with protocol).
FN 4	2526	Convention for the avoidance of double taxation and the prevention of fiscal evasion with respect to taxes on income.
FN 6	22976	Agreement concerning financial co-operation.
FN 8	25472	Agreement concerning financial co-operation.
FN 9	10955	Agreement for the avoidance of double taxation and the prevention of fiscal evasion with respect to taxes on income and capital gains.
HR 13	132	Fran-Belgian Agreement on passenger traffic.
HR 15	15410	Convention on the prevention and punishment of crimes against internationally protected persons, including diplomatic agents.
HR 17	21833	Agreement on the fundamental rights of nationals.
HR 25	2647	Convention (with Final Protocol) concerning the reciprocal grant of assistance to distressed persons.
HR 46	20762	Convention of establishment.
HR 7	10823	Convention on the non-applicability of statutory limitations to war crimes and crimes against humanity.
IN 16	6621	Exchange of letters constituting an agreement relating to investment guaranties.
IN 2	14366	Agreement concerning financial assistance

MO 11	22962	Agreement concerning financial co-operation.
MO 2	3172	Agreement between Thailand and Japan concerning settlement of Special Yen Problem
MO 21	21731	Agreement concerning financial co-operation.
SE 1	16035	Exchange of notes constituting an agreement relating to military assistance: Eligibility requirements pursuant to the Foreign Assistance Act of 1973 and the International Security Assistance and Arms Export Control Act of 1976.
SE 10	2384	Exchange of notes constituting an agreement relating to mutual security.
SE 17	16034	Exchange of notes constituting an agreement relating to military assistance: Eligibility requirements pursuant to the International Security Assistance and Arms Export Control Act of 1976.
SE 28	2382	Exchange of notes constituting an agreement relating to mutual security.
SE 29	21950	Exchange of letters constituting an agreement on a defense security arrangement.
SE 3	2799	Exchange of notes constituting an agreement relating to assurances under the Mutual Security Act of 1951.
SE 31	2361	Exchange of notes constituting an agreement relating to mutual security.
SE 40	16314	US and Kuwait: Technical Security Arrangement concerning special security measures.
SE 5	2359	Exchange of notes constituting an agreement relating to mutual security.
SE 6	17310	Exchange of notes constituting an agreement relating to military assistance: eligibility requirements pursuant to the International Security Assistance and Arms Export Control Act of 1976.
SE 7	2356	Exchange of notes constituting an agreement relating to mutual security.
SE 8	20783	Co-operation Agreement on civil defense and security.
<i>average</i>		
AC 29	9770	Exchange of notes constituting an agreement concerning trade in cotton textiles (with annex).
AC 42	20684	Agreement concerning economic, scientific and technical co-operation in the field of sugar production and sugar by-products (with additional note).
AC 57	6389	Agreement with respect to quality wheat.
AC 58	7450	Exchange of notes (with annex) constituting an agreement regarding the changes which the Government of the United Kingdom propose to introduce in their production and trade policies relating to cereals.
EN 11	20644	Agreement on co-operation in the field of environmental protection.
EN 15	15109	Agreement on co-operation in the field of environmental protection (with agreed minutes).
EN 19	20181	Agreement for the protection of migratory birds and birds in danger of extinction and their environment.
EN 20	4714	International Convention (with annexes) for the Prevention of Pollution of the Sea by Oil.
EN 24	11210	European Agreement on the restriction of the use of certain detergents in washing and cleaning products.
EN 34	22693	Agreement for cooperation relating to the marine environment.
EN 35	13920	Agreement on co-operation in the field of environmental protection.
EN 39	13823	Agreement concerning the protection of the Sound Oresund from pollution.
EN 48	485	Convention on Nature Protection and Wild Life Preservation in the Western Hemisphere.
EN 49	14097	International Convention on Civil Liability for Oil Pollution Damage.
EN 50	9587	International Convention for the Conservation of Atlantic Tunas (with Final Act and Resolution adopted by the Conference of Plenipotentiaries).

EN 54	16710	Convention on fishing and conservation of the living resources in the Baltic Sea and the Belts.
EN 55	21623	Convention on long-range transboundary air pollution.
FN 7	81	Reciprocal Trade Agreement.
HR -2	1021	Convention on the prevention and punishment of the crime of genocide.
HR 16	4648	Convention (No. 105) concerning the abolition of forced labor.
HR 18	13928	Protocol relating to refugee seamen.
HR 23	7238	Convention (No. 118) concerning equality of treatment of nationals and non-nationals in social security
HR 33	283	Constitution of the International Refugee Organization and Agreement on interim measures to be taken in respect of refugees and displaced persons.
HR 9	14691	OAU Convention governing the specific aspects of refugee problems in Africa.
IN 1	22810	Agreement for the promotion and protection of investments.
IN 11	19570	Convention concerning the mutual promotion and protection of investments.
IN 12	24681	Treaty on the encouragement and reciprocal protection of investments of capital
IN 14	4922	Exchange of notes constituting an agreement relating to the guaranty of private investments.
IN 18	17730	Exchange of notes constituting an agreement relating to Canadian investments in Western Samoa insured by the Government of Canada through its agent, the Export Development Corporation.
IN 21	19536	Agreement for the promotion and protection of investments.
IN 22	22733	Agreement on the mutual protection of investments (with exchange of notes).
IN 23	13396	Convention on the protection of investments
IN 25	5596	Exchange of notes constituting an agreement relating to the guaranty of private investments.
IN 26	15181	Agreement for the promotion and protection of investments.
IN 27	11642	Exchange of letters constituting an agreement concerning the guarantees of investment securities.
IN 29	24657	Agreement on reciprocal promotion and protection of investments.
IN 3	24875	Foreign Investment Insurance Agreement.
IN 31	8901	Exchange of notes constituting an agreement relating to investment guaranties.
IN 32	9855	Exchange of notes constituting an agreement relating to investment guaranties.
IN 33	20625	Agreement on the mutual promotion and guarantee of investments.
IN 34	24323	Agreement on the mutual promotion and protection of investments (with exchange of letters)
IN 37	7558	Convention concerning the encouragement of capital investment and the protection of property
IN 38	24235	Agreement on processing and protection of investments (with exchanges of letters)
IN 39	24956	Exchange of notes constituting an agreement relating to Canadian investments in the Kingdom of Thailand (with related letters).
IN 40	23607	Agreement concerning the encouragement and reciprocal protection of investments.
IN 44	1837	Exchange of notes constituting an agreement relating to guarantees authorized by Section 111 (b) (3) of the Economic Cooperation Act of 1948, as amended.
IN 8	24700	Agreement for the promotion and protection of investments
MO 1	9800	Exchange of notes constituting an agreement concerning the Guarantee by the Government of the United Kingdom and the maintenance of the Minimum Sterling

		Proportion by the Government of Iceland.
MO 12	9374	Exchange of notes constituting an agreement regarding the guarantee by the Government of the United Kingdom and the maintenance of the minimum sterling proportion by Ireland.
MO 14	24	Exchange of Notes and Monetary Agreement.
MO 16	367	Monetary Agreement.
MO 6	9806	Exchange of letters constituting an agreement concerning the Guarantee by the Government of the United Kingdom and the maintenance of the Minimum of Sterling Proportion by the Government of Sierra Leone.
MO 8	9815	Exchange of notes constituting an agreement concerning the Guarantee by the Government of the United Kingdom and the maintenance of the Minimum Sterling Proportion by the Government of Libya.
SE 20	1736	The Security Treaty.
SE 24	2365	Exchange of notes constituting an agreement relating to mutual security.
SE 41	324	Inter-American Treaty of Reciprocal Assistance and Final Act of the Inter-American Conference for the Maintenance of Continental Peace and Security.
SE 42	14951	Security Agreement concerning certain exchanges of secret information.
<i>relatively complex</i>		
AC 12	12951	International Sugar Agreement, 1973 (with annexes).
DS 1	14860	Convention on the prohibition of the development, production and stockpiling of bacteriological (biological) and toxin weapons and on their destruction.
DS 10	9068	Treaty for the Prohibition of Nuclear Weapons in Latin America (with annexed Additional Protocols I and II).
DS 3	22495	Convention on prohibitions or restrictions on the use of certain conventional weapons which may be deemed to be excessively injurious or to have indiscriminate effects.
DS 5	13678	Treaty on the prohibition of the emplacement of nuclear weapons and other weapons of mass destruction on the sea-bed and the ocean floor and in the subsoil thereof.
DS 7	13445	Interim Agreement on certain measures with respect to the limitation of strategic offensive arms.
DS 8	17119	Convention on the prohibition of military or any other hostile use of environmental modification techniques.
DS 9	23002	Agreement governing the activities of states on the moon and other celestial bodies.
EN 25	8164	Convention on Fishing and Conservation of the Living Resources of the High Seas.
HR -1	37266	Convention for the protection of human rights and dignity of the human being with regard to the application of biology and medicine: convention on human rights and biomedicine
HR -4	22345	Convention (No. 155) concerning occupational safety and health and the working environment.
HR 10	2889	Convention for the Protection of Human Rights and Fundamental Freedoms.
HR 11	20378	Convention on the Elimination of All Forms of Discrimination against Women.
HR 20	881	Geneva Convention relative to the Treatment of Prisoners of War.
HR 21	5181	Convention (No. 111) concerning discrimination in respect of employment and occupation.
HR 22	14861	International Convention on the Suppression and Punishment of the Crime of Apartheid.
HR 27	602	Convention (No. 19) concerning equality of treatment for national and foreign workers as regards workmen's compensation for accidents.
HR 28	1341	Convention (No. 98) concerning the application of the principles of the right to organize and to bargain collectively.



HR 34	17955	American Convention on Human Rights Pact of San Jose, Costa Rica.
HR 43	17426	Convention (No. 143) concerning migrations in abusive conditions and the promotion of equality of opportunity and treatment of migrant workers.
HR 8	14668	International Covenant on Civil and Political Rights.
IN 17	21071	The Second ACP-EEC Convention (with protocols, final act and minutes of the Convention).
SE 14	1835	Security Treaty.