**Coding manual environmental treaties**

The coding is to be done in two steps:

1. Find the relevant text passage for each of the variables listed below and tabulate it as:

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| --- | --- | --- | --- |
| **Location** | **Text passage** | **Variable to be coded** | **ID** |
| e.g. “Pre.3” for third paragraph of preamble, “Art.3.2” for article 3, paragraph 2, etc. Use the same notation as in IEA database | Copy the relevant text passage; e.g. cites example: http://iea.uoregon.edu/page.php?query=coded\_all\_lines&where=start&FilenameEQ=1973-TradeEndangeredSpecies | Variable name as in the left column of coding table below | Running number for each text passage. |

Example

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| --- | --- | --- | --- |
| **Location** | **Text passage** | **Variable to be coded** | **ID** |
| Art 4.1 | Copy description of dispute settlement provisions | disp | 3 |
| Art 28.3 | Copy description of entry into force provisions | entr | 4 |

1. Assign codes for each of the text passages as described below:

|  |  |
| --- | --- |
| **ID** | Same as the one assigned to the text passage in part 1 |
| **treaty**na | treaty name |
| **treaty** | numeric treaty code (see attached list)  |
| **issue**  | Issue treaty deals with (see attached list)  |
| **issueno**  | Numeric issue code (see attached list)  |
| **sissue**  | Subissue treaty deals with (see attached list)  |
| **sissueno**  | Numeric subissue code (see attached list)  |
| **dom** | Dummy distinguishing global from domestic public goods, respective numeric codes (1,0) are listed together with issue and issueno;additional: 2 for both/mixed |
| **Env** | 0 if treaty is purely or mainly on environmental issues1 if environmental aspects are not the main issue, but central to the treaty anyways2 if treaty only mentions environmental aspect by the way3 if there are no environemental aspects in treaty (those have to be excluded from treatylist!) |
| **disp** | Code 1 if treaty has dispute settlement provisionsCode 2 if treaty has dispute settlement provisions and additional institutional organs for dispute settlement 0 otherwise  |
| **disp\_mech** | Code 1 if treaty refers to another institution that should deal with the dispute (e.g. Permanent Court of Arbitration, Court of Justice)Code 2 if the treaty states that a dispute resolution mechanism should be found ad hoc (e.g.: In accordance with the principles of international law regarding State responsibility for damage to the environment of other States or to any other area of the environment, caused by dumping of wastes and other matter of all kinds, the Contracting Parties undertake to develop procedures for the assessment of liability and the settlement of disputes regarding dumping. )Code 3 if there is a two step procedure: first find own solution and if it cannot be found than use other institution to settle dispute(e.g. . “1. In the event of a dispute between any two or more Parties concerning the interpretation or application of the Convention, the Parties concerned shall seek a settlement of the dispute through negotiation or any other peaceful means of their own choice.2. When ratifying, accepting, approving or acceding to the Convention, or at any time thereafter, a Party which is not a regional economic integration organization may declare in a written instrument submitted to the Depositary that, in respect of any dispute concerning the interpretation or application of the Convention, it recognizes as compulsory ipso facto and without special agreement, in relation to any Party accepting the same obligation:  (a) Submission of the dispute to the International Court of Justice; and/or  (b) Arbitration in accordance with procedures to be adopted by the Conference of the Parties as soon as practicable, in an annex on arbitration. A Party which is a regional economic integration organization may make a declaration with like effect in relation to arbitration in accordance with the procedures referred to in subparagraph (b) above.”or: “Any dispute regarding the interpretation or application of this Agreement, if not settled by the Commission, shall be referred to a committee composed of one member appointed by each of the parties to the dispute, and in addition an independent chairperson chosen by the members of the committee. The recommendations of such a committee, while not binding in character, shall become the basis for renewed consideration by the parties concerned of the matter out of which the disagreement arose. If, as the result of this procedure, the dispute is not settled, it shall be referred to the International Court of Justice in accordance with the Statute of the Court, unless the parties to the dispute agree to another method of settlement.”)Code 3b if there is a two step procedures, where an external institution is only requested in case that the parties cannot agree on the nomination of an arbitratorCode 4a if there is a genuine, but not very elaborate and detailed dispute resolution mechanism, which doesn’t refer to any external institution, specified in the treaty (i.e. “Any dispute concerning the interpretation or application of this Agreement which cannot be settled by negotiation, conciliation or similar means may be referred by any party to the dispute to the Governing Council for its decision, which shall be final and binding upon the parties.”)Code 4b if there is a genuine, elaborate and detailed dispute resolution mechanism which doesn’t refer to any external institution specified in the treaty (clear rules what should happen in case of a dispute)Code 5X if a treaty or protocol doesn’t contain dispute settlement regulations, but there is a separate (optional) protocol regulating the settlement of disputes to this treaty or protocol. X is the dispute mechanism described in this special protocol. Code 6X for any special protocol concerning the settlement of disputes. X is the dispute mechanism described in this special protocol. Code 0 otherwise |
| **entr** | Code 1 if treaty contains entry into force provisions that specify a certain number of parties (e.g. Kyoto "… not less than 55 Parties to the Convention, … have deposited their instruments of ratification, acceptance, approval or accession")Code 2 if treaty contains entry into force provisions that specify a certain number of parties and/or a special group of parties (e.g. “…not less than ten Governments have become parties to the Convention, including five Governments of countries each with not less than 500,000 gross tons of tanker tonnage.”)0 otherwise  |
| **mon**  | Code 1 if treaty has monitoring provisions0 otherwise  |
| **enf** | Code 1 if treaty has enforcement provisions0 otherwise |
| **secr**  | Code 1 if treaty has its own secretariatCode 2 if treaty uses an existing secretariat (i.e. “The Executive Secretary of the Economic Commission for Europe shall carry out the following secretariat functions…”) or, in case of protocols, the secretariat established for the Convention0 otherwise  |
| **meet** | Code 1 if treaty institutionalizes regular meetingsCode 2 if treaty institutionalizes semi regular meetings0 otherwise  |
| **hob** | Code 1 if the highest decision-making body identified in the agreement is made up of members of each contracting party (e.g. Conference of the Parties, conference of contracting governments, etc.)Code 2 if not every contracting party is represented in the highest decision-making body0 if there is no highest decision-making body indentified(The highest decision-making body identified in the agreement. Numerical coding yet to be determined) |
| **instit\_sci** | Code 1 if treaty establishes an institutional organ for scientific or technical advice0 otherwise | \_N: organs established on national level\_T: organs established on treaty level |
| **Instit\_admin** | Code 1 if treaty establishes an administrative body designed to help the secretary fulfil its functions0 otherwise |
| **memb** | 1 if any country may become a member (also: any country of the UN)2 if restrictions |
| **Org** | 1 if membership in a large international organization is required (i.e. UN, ILO)0 if no organizational restrictions |
| **Conv** | 1 if party has to be party to some other convention0 if no restrictions relating to other conventions |
| **Geo** | 1 if membership is restricted to a certain geographic area0 if no geographic restrictions |
| **Regio** | 1 if treaty is regional (certain geographic area), but there’s no geographical membership restriction2 if treaty is regional and memberships is restricted to a certain geographic area3 if treaty is regional, membership not restricted to geographic area, but special provisions for membership are required (i.e. appliance, approvement by members)4 if treaty is regional and no possibility for accession is made (only signature states)0 if otherwise (treaty is global) |
| **inc** | Code 1 if treaty specifies any incentives for a particular set of countries to join the treaty (e.g. economic assistance for developing countries, technological transfer…) or if treaty specifies special conditions for a set of countries (i.e. other emission rates or more time to fulfil conditions for developing countries)0 otherwise |
| **develop** | does the treaty specify special targets for developing countries (i.e. other emission rates or more time to fulfil conditions for developing countries)?Code 1 if yes and zero otherwise  |
| **prec** | Code 2 if treaty specifies clear-cut standards or quantitative targetsCode 1 if treaty contains clear provisions without quantitative targetsCode 0 if treaty only contains ambiguous specifications of what has to be achieved (e.g. if the treaty only states that better air quality should be achieved instead of providing exact specifications of how much emissions should be reduced) |
| **assis** | Code 1 if the treaty contains provision of technical and/or financial assistance for all countries equallyCode 2 if the treaty contains provision of technical and/or financial assistance for developing countries onlyCode 3 if the treaty contains provision of technical and/or financial assistance for all countries with special emphasis on developing countries0 otherwise |
| **dec** | Code 1 if the decision rule of the ruling body is specified to be majority ruleCode 2 if the decision rule of the ruling body is specified to be unanimity ruleCode 3 if the decision rule of the ruling body is specified to be unanimity rule, but if no consensus found, majority rule will be applied (i.e. “If all efforts at consensus have been exhausted, and no agreement reached, the amendment shall as a last resort be adopted by a three-fourths majority vote of the Parties“)Code 0 if no decision rule is specified |

**Issue**

The following table provides instructions as to how to assign issue areas to treaties. “Issue”, “Issueno”, “Sissue”, “Sissueno” and “dom” are the variables to be coded. “Description” provides a brief description of the issue at hand, “terms in treaty” refers to words/phrases that should induce the assignment of the respective issue and issueno to a treaty. The last column is for internal use only, indicating whether the definition stems from the IEA database (<http://iea.uoregon.edu/page.php?query=static&file=definitions.htm>).

In terms of “sissue” always use the more specific sissue when possible; e.g. when it comes to the protection of certain animal species, use issue 3 sissue 31 rather than issue 3 sissue 3.

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| Issue | Issueno | Sissue | sissueno | dom | Description | Terms in treaty | IEA |
| Nature | 1 | nature | 1 | Assign 1 if there is explicit reference to members national territory.Assign 0 if treaty is aimed at shared resources | agreements related to efforts to conserve, manage, preserve, and protect natural resources, natural systems, and wilderness or to foster sustainable development | charter for nature; conservation; conservation of nature; ecosystem; environment; global change research; green corridor; natural forest ecosystem; natural heritage; natural park; natural resources; natural state; nature conservation; nature protection; protection of nature; rational exploitation; rational management; rational nature use; Remote Sensing For Earth Resources; sustainable and integrated management; sustainable basis; sustainable development; sustainable housing; sustainable management; sustainable tourism; sustainable use; sustainable utilization; wilderness | y |
| Agric | 2 | Agric | 2 | 1 | Agriculture: including issues related to domesticated animals (wild animals enter in species category)  | agribusiness; agricult; agro-indus; sanidad agropecuaria; agricultural plants; animal health; cattle; diseases in livestock; epizootic; farming; foot and mouth disease; grazing; livestock; meat; trade in live animals; veterinary; zoosanitaire; aquacult; zoosanitary; sanitary and veterinary; veterinary and sanitary; veterinary-sanitary; codex alimentarius; fertilizer; locust; phylloxera; phytosanitaire; phytosanitary; protect harvests; quarantine; vegetable | p |
| species | 3 | Species | 3 | Assign 1 if there is explicit reference to members national territory.Assign 0 if treaty is aimed at shared resources | human interactions with plant and animal species | biodiversity; biological diversity; endangered species; microorganisms; wildlife | y |
|  | 3 | Fauna | 31 | Assign 1 if there is explicit reference to domestic animals (polar bears).Assign 0 if treaty is aimed at animals that easily change territory (dolphin; seal; whale) | Protection of fauna | animal; fauna; game; hunt; wild animals | p |
|  | 3 | Flora | 32 | ? |  | crop diversity; field of plants; flora; forest; greenery; lumber; plant diseases; plant genetic resources; plant protection; planting material; poplar; protection of new varieties of plants; protection of plants; shipments of plants; timber; tree | y |
|  | 3 | Fish | 33 | 0 | Overfishing and related issues | fish; driftnet; herring; living aquatic resources; living water resources; marine fisheries; marine living resources; marine resources; maritime resources | p |
| Poll | 5 | poll | 5 | Assign 1 if there is explicit reference to members national territory.Assign 0 if treaty is aimed at shared resources | Treaties related to pollution issues | activities dangerous to the environment; ballast water; corrosive and poisonous substances; corrosive substances; hazardous chemicals; industrial accidents; inflammable substances; natural and technological disasters; noxious; pesticides; poisonous; pollut | y |
|  | 5 | dair | 51 | 1 | Domestic air pollution (pollutants that stay near the location of emission and do not affect other countries) | air pollution; air quality; el nino; fumes discharged from the smelter; fumes emitted from the smelter;  | p |
|  | 5 | gair | 52 | 0 | Global air pollution; applies for pollution that might be caused domestically, but has an impact on other countries | air pollution; air quality; climate change; global warming; greenhouse gases; monitoring of the stratosphere; ozone; protection of the atmosphere; radioactivity of the upper atmosphere | p |
|  | 5 | land | 53 | 1 |  | white lead in painting | y |
|  | 5 | Ocean | 54 | 0 |  | dumping from ships and aircraft; dumping of wastes and other matter; harmful anti-fouling systems; pollution from ships; hydrocarbon spills; oil pollution; oil spills; pollution by hydrocarbons; | p |
|  | 5 | Waste | 55 | Assign 1 if there is explicit reference to members’ national territory.Assign 0 if treaty is aimed at shared resources |  | hazardous and other waste; hazardous and radioactive waste; hazardous waste; waste | y |
|  | 5 | water | 55 | Assign 1 if there is explicit reference to members’ national territory.Assign 0 if treaty is aimed at shared resources, such as transboundary basins | Pollution of rivers and lakes (for regulation, water management, diversion of water, etc. that is independent of pollution use “freshw” | Detergents; dephosphatation; water quality; | n |
| freshw | 6 | freshw | 6 | 0 if explicit reference to domestic lakes/rivers1 if transboundary freshwater resources | agreements related to regulation of lakes and rivers; any freshwater issues that are not captured by pollution water or ocean | conserving water supplies; construction of a temporary cofferdam; diversion of water; flood control; flood warning; protection of RIVERNAME; use of water resources; utilization of boundary water; water control; water economy; water management; water protection; water resource management; water resources exploitation; water resources management | p |
| Habitat | 7 | Habitat | 7 | Assign 1 if there is explicit reference to members’ national territory.Assign 0 if treaty is aimed at shared resources | Treaties related to particular ecosystems | arctic; alp; antarctic; natural habitat; protected area | y |
|  | 7 | land | 71 | Assign 1 if there is explicit reference to members’ national territory.Assign 0 if treaty is aimed at shared resources | land | soil; desertification; drought; dry and barren land; landscape; wetland | y |
|  | 7 | Marine | 72 | Assign 1 if there is explicit reference to members’ national territory.Assign 0 if treaty is aimed at shared resources | Maritime system | coral reef | y |
|  | 7 | Ocean | 73 | 0 | Treaties dealing with the protection of oceans as such, fishery etc. should be coded as the respective category (independent of the fact that it also takes place in ocean areas) | coastal environment; coastal management; coastal zone management; deep seabed; exploration of the northern seas; exploration of the sea; hydrographic; marine environment; marine science; oceanographic; protection of the wadden sea; scientific exploration | p |
|  | 7 | outerspace | 74 | 0 | Moon, celestial bodies, outerspace |  |  |
| Nuclear | 8 | Nuclear | 8 | 1 |  |  |  |
| Weapons | 9 | Weapons | 9 | 1 | Weapons and environment |  |  |
| Energy | 10 | Energy | 10 |  |  |  |  |
|  | 10 | Oil | 11 |  |  |  |  |
|  |  |  |  |  |  |  |  |