

Variables Used to Construct the Environmental Governance Indicators

This table lists the individual variables used to construct the indicators of the *Environmental Governance Indicators for Latin America and the Caribbean*© (EGI) study. The table consists of three columns. The first column lists the variable's identification number. Variables starting with "q" come directly from the Environmental Qualified Respondents' (EQRQ) questionnaire. Variables starting with "TPS" come from third-party sources. The second column states the survey text of the variables included in the EQRQ. The third column lists the qualitative and quantitative scales for each variable. The formulas used to calculate the primary indicators, sub-indicators, and sub-sub-indicators of the EGI are presented next to each composite indicator.

Part One. Governance Context

TPS1	Rule of Law - Aggregate Score	Overall Score (WJP Rule of Law Index® 2020)
TPS2	Constraints on Government Powers	Factor 1 score: Constraints on Government Powers (WJP Rule of Law Index® 2020)
TPS3	Absence of Corruption	Factor 2 score: Absence of Corruption WJP Rule of Law Index® 2020)
TPS4	Open Government	Factor 3 score: Open Government (WJP Rule of Law Index® 2020)
TPS5	Fundamental Rights	Factor 4 score: Fundamental Rights (WJP Rule of Law Index® 2020)
TPS6	Order & Security	Factor 5 score: Order and Security (WJP Rule of Law Index® 2020)
TPS7	Regulatory Enforcement	Factor 6 score: Regulatory Enforcement (WJP Rule of Law Index® 2020)
TPS8	Civil Justice	Factor 7 score: Civil Justice (WJP Rule of Law Index® 2020)
TPS9	Criminal Justice	Factor 8 score: Criminal Justice (WJP Rule of Law Index® 2020)

Part Two. Institutional Capacity Data

TPS10	Environmental public spending per capita (in LCU)	Central government environmental protection spending figures in local currency units at current prices (ECLAC's CEPALSTAT platform, 2016 for Bolivia and 2018 for all other countries; Peru and Bolivia reported figures as general government spending), divided by the population of the country in the same year (World Bank)
TPS11	Environmental public spending per capita (in USD)	Central government environmental protection spending per capita series reported in 2010 US dollars (ECLAC's CEPALSTAT platform, 2016 for Bolivia and 2018 for all other countries, Peru and Bolivia reported figures as general government spending)
TPS12	% Environmental public spending/Public spending	Central government environmental protection spending as percentage of public spending for the same year (ECLAC's CEPALSTAT platform and government sources, 2016 for Bolivia and 2018 for all other countries; Peru and Bolivia reported figures as general government spending)
TPS13	% Environmental public spending/GDP	Central government environmental protection spending as percentage of GDP for the same year (ECLAC's CEPALSTAT platform, 2016 for Bolivia and 2018 for all other countries; Peru and Bolivia reported figures as general government spending)
TPS14	Number of annual inspections	Government sources
TPS15	Complaints investigated	Government sources
TPS16	Requested environmental impact assessments	Government sources

Part Three. Select Laws & Regulation

Environmental Rights		
TPS17	Constitutional right to or provision for a healthy environment	TPS data represented as a binary "Yes" or "No", to show whether a country's constitution includes a constitutional right to or provision for a healthy environment (UNEP, Environmental Rule of Law: First Global Report 2019)
TPS18	Right to protection of vulnerable populations	Country has provisions on equal rights, racial or ethnic minorities, women's rights, and consultation and effective participation of women, legislation to protect persons with disabilities, and rules to prevent exclusion=1; Country has provisions on equal rights, racial or ethnic minorities, and women's rights, legislation to protect persons with disabilities, and rules to prevent exclusion=.80; Country has equal rights and women's rights provisions, legislation to protect persons with disabilities, and rules to prevent exclusion=.60; Country has equal rights and women's rights provisions and legislation to protect persons with disabilities=.40; Country has equal rights provisions and legislation to protect persons with disabilities=.20. (IDB Technical Document: Alternatives for Addressing Gaps Based on Results of the Benchmarking Study and Survey, 2019)
TPS19	Right to nondiscrimination of indigenous peoples	Country has legislation that legally recognizes indigenous people and their rights, has a law that regulates prior consultation and makes it mandatory for all types of projects, has specific institutions to serve the communities, and has developed specific tools that set out how the law is to be applied=1; Country has legislation that legally recognizes indigenous people and their rights and also have a law that regulates prior consultation and makes it mandatory for all types of projects, but does not have clear guidelines for implementation, and some of the institutions to which responsibilities have been delegated do not have enough capacity to serve the communities=.75; Country has legislation that legally recognizes indigenous people and their rights and has some rules on prior consultation, but they are not applied to all types of projects in practice; they are used on a discretionary basis for certain types of projects in specific sectors, with the project, indigenous peoples to be consulted, and the modality sometimes selected unilaterally=.50; Country has legislation that legally recognizes indigenous people and their rights, but do not have specific regulations for free, prior, and informed consent=.25 TPS score rescaled to a 0 to 1 range. (IDB Technical Document: Alternatives for Addressing Gaps Based on Results of the Benchmarking Study and Survey, 2019)
Environmental Quality Standards		
TPS20	Minimum air protection standards	Country has minimum air protection standards=1, Country has no minimum air protection standards=0. TPS score rescaled to a 0 to 1 range. (IDB Analysis of Environmental Governance in Latin America and the Caribbean, 2018)
TPS21	Air emission limits that comply with WHO standards	Country has specific limits over all relevant WHO pollutants=1, Country has specific limits over at least 7 relevant WHO pollutants=.75; Country has specific limits over at least 4 relevant WHO pollutants=.50; Country has specific limits over 3 or less relevant WHO pollutants=.25; Country has no specific limits over relevant WHO pollutants=0. TPS score rescaled to a 0 to 1 range. (IDB Analysis of Environmental Governance in Latin America and the Caribbean, 2018)
TPS22	National water protection standards	Country has minimum water protection standards=1, Country has no minimum water protection standards=0.

		TPS score rescaled to a 0 to 1 range. (IDB Analysis of Environmental Governance in Latin America and the Caribbean, 2018)
TPS23	Water quality regulations determined by use	Country has water protection regulations for drinking water, bathing waters, underground waters, protected areas and re-used waters=1; Country has water protection regulations for some uses=.50; Country has no water protection regulations determined by use=0. TPS score rescaled to a 0 to 1 range. (IDB Analysis of Environmental Governance in Latin America and the Caribbean, 2018)

Part Four. Environmental Governance Indicators

Pillar I: Environmental Rule of Law		
1	1. Regulation & Enforcement AVERAGE(1.1, 1.2, 1.3, 1.4, 1.5)	
1.1	1.1 Clear & appropriate institutional mandates AVERAGE(1.1.1, 1.1.2)	
1.1.1	1.1.1 Clear jurisdiction, goals & authority AVERAGE(q11a, q11c, q11d)	
q11a	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (a) Laws and regulations clearly define the authority and responsibilities across agencies, ministries, and organizations responsible for enforcing environmental regulations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q11c	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (c) Mandates of environmental institutions are straightforward and unambiguous.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q11d	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (d) Environmental institutions have appropriate jurisdictional boundaries, clear goals, and sufficient authority to act.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.1.2	1.1.2 Absence of regulatory conflict, overlap & underlap AVERAGE(q11b, q11e)	
q11b	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (b) Environmental regulations are coherent with regulations for the productive sector (e.g. agriculture and energy sectors).	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q11e	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (e) Environmental institutions do not suffer from regulatory overlap (duplicated mandates) or regulatory underlap (no institution has a mandate to act).	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.2	1.2 Effective coordination across institutions AVERAGE(q11f, q11g, q11h, q11i)	
q11f	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (f) National environmental institutions coordinate their activities, exchange information, and agree common positions with relevant national agencies, ministries, and organizations on matters of shared interest.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q11g	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (g) National environmental institutions coordinate their activities with relevant state or provincial-level institutions on matters of shared interest.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q11h	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country:	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0

	(h) National environmental institutions coordinate their activities with relevant municipal-level institutions on matters of shared interest.	
q11i	Please comment on the extent to which you agree with the following statements regarding mandates and interagency coordination of environmental institutions in your country: (i) National environmental institutions coordinate their activities with customary/indigenous institutions on matters of shared interest.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.3	1.3 Institutional capacity AVERAGE(1.3.1, 1.3.2, 1.3.3)	
1.3.1	1.3.1 Human capacity AVERAGE(q15b, q15c, q15d)	
q15b	Please comment on the extent to which you agree with the following statements regarding financial and human resources for environmental institutions in your country: (b) Environmental institutions have sufficient staff with the appropriate skills to accomplish their mandate.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q15c	Please comment on the extent to which you agree with the following statements regarding financial and human resources for environmental institutions in your country: (c) Staff of environmental institutions have the necessary training and incentives to effectively implement the institution's mandate.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q15d	Please comment on the extent to which you agree with the following statements regarding financial and human resources for environmental institutions in your country: (d) Staff of environmental institutions receive adequate compensation.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.3.2	1.3.2 Financial capacity q15a	
q15a	Please comment on the extent to which you agree with the following statements regarding financial and human resources for environmental institutions in your country: (a) Environmental institutions have adequate financial resources to accomplish their mandate.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.3.3	1.3.3 Technical capacity AVERAGE(q16a, q16b, q16c)	
q16a	Please comment on the extent to which you agree with the following statements regarding evidence-based decision-making by environmental institutions in your country: (a) Environmental institutions use high-quality data to understand and address the most crucial environmental risks and challenges.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q16b	Please comment on the extent to which you agree with the following statements regarding evidence-based decision-making by environmental institutions in your country: (b) Environmental institutions use high-quality data to determine whether the regulated community is in compliance with environmental laws and policies.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q16c	Please comment on the extent to which you agree with the following statements regarding evidence-based decision-making by environmental institutions in your country: (c) Environmental institutions use metrics to show progress.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.4	1.4 Information & investigation AVERAGE(1.4.1, 1.4.2, 1.4.3, 1.4.4)	
1.4.1	1.4.1 Publicized inspection & enforcement policies q17d	
q17d	Please comment on the extent to which you agree with the following statements regarding compliance and enforcement practices of environmental institutions in your country: (d) Environmental institutions publicize clear and focused inspection and enforcement policies.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.4.2	1.4.2 Environmental impact assessment AVERAGE(q9a, q9b, q9c, q8a, q8b, q8c)	
q9a	Please comment on how effectively the national environmental authority in your country carries out the following functions: (a) Assess whether and to what extent the project or program will impact livelihoods.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0

q9b	Please comment on how effectively the national environmental authority in your country carries out the following functions: (b) Carrying out evaluations of the environmental impact of projects or actions, including consideration of trade-offs and alternative actions.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9d	Please comment on how effectively the national environmental authority in your country carries out the following functions: (d) Producing comprehensive explanations of agency decisions, including response to public comment, cost-benefit analysis, and alternative actions not pursued.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q8a	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (a) Assess whether and to what extent the project or program will impact livelihoods.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q8b	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (b) Assess whether and to what extent the project or program will displace residents or damage homes.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q8c	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (c) Evaluate the impact of the project or program on public health.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
1.4.3	1.4.3 Inspections, monitoring & evaluation AVERAGE(q9e, q9f, q9g, q17a, q17b, q17e, q17f)	
q9e	Please comment on how effectively the national environmental authority in your country carries out the following functions: (e) Monitoring the environmental performance and compliance by operators of activities potentially affecting the environment.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9f	Please comment on how effectively the national environmental authority in your country carries out the following functions: (f) Routine inspections of pollution sources by environmental officials.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9g	Please comment on how effectively the national environmental authority in your country carries out the following functions: (g) Citizen tip lines for the public to alert officials to possible violations.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q17a	Please comment on the extent to which you agree with the following statements regarding compliance and enforcement practices of environmental institutions in your country: (a) Environmental institutions enforce environmental laws and investigate violations effectively.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q17b	Please comment on the extent to which you agree with the following statements regarding compliance and enforcement practices of environmental institutions in your country: (b) Environmental institutions enforce environmental laws and investigate violations consistently and evenly.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q17e	Please comment on the extent to which you agree with the following statements regarding compliance and enforcement practices of environmental institutions in your country: (e) Environmental institutions use technology and innovative methods of compliance and enforcement.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q17f	Please comment on the extent to which you agree with the following statements regarding compliance and enforcement practices of environmental institutions in your country: (f) Environmental agencies encourage environmental compliance audits by the regulated community.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.4.4	1.4.4 Responses to non-compliance AVERAGE(q17c, q9h, q9i, q9j, q9k, q9l)	
q17c	Please comment on the extent to which you agree with the following statements regarding compliance and enforcement practices of environmental institutions in your country: (c) Environmental institutions effectively punish noncompliance with environmental laws.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0

q9h	Please comment on how effectively the national environmental authority in your country carries out the following functions: (h) Government litigation or other action against polluters for violations of environmental requirements	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9i	Please comment on how effectively the national environmental authority in your country carries out the following functions: (i) Take effective measures to protect the environment.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9j	Please comment on how effectively the national environmental authority in your country carries out the following functions: (j) Clean-up, remediation, and restoration of damaged sites to their earlier condition	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9k	Please comment on how effectively the national environmental authority in your country carries out the following functions: (k) Developing emergency response and preparedness measures for responding to environmental or toxic threats.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q9l	Please comment on how effectively the national environmental authority in your country carries out the following functions: (l) Taking action to address the environmental impacts of transboundary pollution.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
1.5	1.5 Institutional transparency & accountability AVERAGE(1.5.1, 1.5.2)	
1.5.1	1.5.1 Absence of corruption AVERAGE(q18c, q18d)	
q18c	Please comment on the extent to which you agree with the following statements regarding transparency and accountability of environmental institutions in your country: (c) Environmental institutions effectively fight corruption when it appears.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q18d	Please comment on the extent to which you agree with the following statements regarding transparency and accountability of environmental institutions in your country: (d) Whistleblowers reporting environmental violations, misconduct, and corruption are effectively protected.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
1.5.2	1.5.2 Culture of integrity AVERAGE(q18a, q18b)	
q18a	Please comment on the extent to which you agree with the following statements regarding transparency and accountability of environmental institutions in your country: (a) Environmental institutions actively promote a culture of transparency and integrity.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q18b	Please comment on the extent to which you agree with the following statements regarding transparency and accountability of environmental institutions in your country: (b) Environmental institutions publicize, adhere to, and enforce standards for ethical conduct.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
2	2. Civic Engagement AVERAGE(2.1, 2.2)	
2.1	2.1 Access to information AVERAGE(2.1.1, 2.2.2)	
2.1.1	2.1.1 Accessibility of environmental information requests AVERAGE(q3a, q3b, q3c, q3d, q3e, q4b, q4d)	
q3a	Assume you submit a request to have access to information held by the national environmental authority in your country about pollution levels in a river. How likely is it that: (a) The government agency in charge will grant such information, assuming it is properly requested.	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
q3b	Assume you submit a request to have access to information held by the national environmental authority in your country about pollution levels in a river. How likely is it that: (b) The information provided is complete.	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
q3c	Assume you submit a request to have access to information held by the national environmental authority in your country about pollution levels in a river. How likely is it that: (c) The government agency will grant such information at a reasonable cost.	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0

q3d	Assume you submit a request to have access to information held by the national environmental authority in your country about pollution levels in a river. How likely is it that: (d) The government agency will grant such information within a reasonable time period.	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
q3e	Assume you submit a request to have access to information held by the national environmental authority in your country about pollution levels in a river. How likely is it that: (e) The government agency will grant such information to the requestor without having to pay a bribe.	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
q4b	To what extent do you agree with the following statements: (b) In practice, a citizen can easily obtain accurate information on environmental issues in your country from the government.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q4d	To what extent do you agree with the following statements: (d) In practice, if a government agency denies a citizen's request for environmental information, that citizen can effectively challenge this decision before another government agency or a judge.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
2.1.2	2.1.2 Publicized environmental information AVERAGE(q1a, q1b, q1c, q1d, q1e, q1f, q1i, q4e, q4f, q2a, q2b, q2c, q2d, q2e, q2f, q2g, q2h)	
q1a	In practice, the government provides easy-to-understand information on environmental issues.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q1b	In practice, the government provides information on environmental issues in languages spoken by significant segments of the population, even if they are not "official" languages.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q1c	In practice, national regulations on environmental issues are published on a timely basis.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q1d	In practice, local regulations on environmental issues are published on a timely basis.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q1e	In practice, local environmental regulations can be obtained at little cost, such as by mail, on-line, or in-person.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q1f	In practice, national environmental regulations can be obtained at little cost, such as by mail, on-line, or in-person.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q1i	In practice, environmental regulations are sufficiently stable to permit the public to ascertain what conducts are permitted and prohibited.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q4e	In practice, a citizen can easily obtain accurate information on environmental issues/legislation in your country from non-governmental actors (such as newspapers, NGOs, universities, etc.)?	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q4f	In practice, citizens can easily obtain accurate information from the private sector about their sustainable practices.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q2a	How accessible is the following environmental information in your country? (a) Real time air quality data for the capital city of your country	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
q2b	How accessible is the following environmental information in your country? (b) Annual drinking water quality data for the capital city of your country	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
q2c	How accessible is the following environmental information in your country? (c) Daily air emission and wastewater discharge by large-scale industries	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
q2d	How accessible is the following environmental information in your country? (d) Reports on the state of the environment in your country, including air and water quality measures, pollution hazards, and natural resource pressures (e.g. deforestation and biodiversity)	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
q2e	How accessible is the following environmental information in your country? (e) Copies of administrative decisions made at the national level on environmental matters that are applicable to the general public	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
q2f	How accessible is the following environmental information in your country? (f) Copies of administrative decisions made at	Very accessible=1, Slightly accessible=.5, Not accessible at all=0

	the local level on environmental matters that are applicable to the general public	
q2g	How accessible is the following environmental information in your country? (g) Transcripts of administrative proceedings on environmental matters	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
q2h	How accessible is the following environmental information in your country? (h) Emergency response and preparedness measures when there is an environmental or toxic threat	Very accessible=1, Slightly accessible=.5, Not accessible at all=0
2.2	2.2 Public participation AVERAGE(2.2.1, 2.2.2)	
2.2.1	2.2.1 Public participation and consultations AVERAGE(2.2.1.A, 2.2.1.B)	
2.2.1.A	2.2.1.A Public participation in developing laws, regulations, and planning AVERAGE(q5a, q5b, q5c, q5d, q5e, q5f, q5g, q5h, q5i, q5j, q5k, q5l)	
q5a	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (a) A citizens' advisory committee	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5b	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (b) Civil society organizations	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5c	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (c) Local governments	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5d	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (d) State/provincial governments	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5e	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (e) Industry/large corporations	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5f	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (f) Medium and small enterprises	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5g	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (g) Universities	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5h	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (h) Local or family-owned businesses	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5i	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (i) Labor unions	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5j	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (j) Farmers/agriculture organizations	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5k	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (k) Women's groups or associations	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q5l	How often does your national environmental authority consult the following groups in the development of plans, programs, and policies relating to the environment? (l) Indigenous groups	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
2.2.1.B	2.2.1.B Public participation in assessment, permitting, and awarding concessions AVERAGE(q6a, q6b, q6c, q6d, q6e, q8d, q8e, q8f)	
q6a	To what extent do you agree with the following statements about the national environmental authority in your country: (a) The national environmental authority gives interested	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0

	individuals the right to challenge the procedural legality of environmental decisions if they are not given adequate opportunity to participate in environmental decision-making.	
q6b	To what extent do you agree with the following statements about the national environmental authority in your country: (b) The national environmental authority provides timely and advance notice to the public for open meetings.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q6c	To what extent do you agree with the following statements about the national environmental authority in your country: (c) The national environmental authority consults with the public on the impact of proposed projects, plans, and programs through open meetings, hearings, and public comments.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q6d	To what extent do you agree with the following statements about the national environmental authority in your country: (d) The national environmental authority organizes open meetings that are accessible to and conducted in the languages of rural populations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q6e	To what extent do you agree with the following statements about the national environmental authority in your country: (e) The national environmental authority makes the transcripts of open meetings and hearings publicly available.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q8d	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (d) Make the project or program plans available to the public with sufficient advance notice prior to adoption.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q8e	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (e) Provide underlying information for and analysis of alternatives to the project or program.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q8f	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (f) Provide an opportunity for public comment on the project or program.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
2.2.2	2.2.2 Due account of comments AVERAGE(q8g, q8h)	
q8g	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (g) Make the official response to public comments available to the public.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q8h	How often does your national environmental authority undertake the following measures before carrying out projects or programs? (h) Take into account comments and concerns made during the consultation process.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
3	3. Fundamental Environmental & Social Rights AVERAGE(3.1, 3.2)	
3.1	3.1 Rights to freedom of association, expression & assembly are effectively guaranteed AVERAGE(TPS24 (4.4), TPS25 (4.7))	
TPS24	Freedom of opinion and expression is effectively guaranteed.	Sub-factor 4.4 score: Freedom of opinion and expression is effectively guaranteed (WJP Rule of Law Index® 2020)
TPS25	Freedom of assembly and association is effectively guaranteed.	Sub-factor 4.7 score: Freedom of assembly and association is effectively guaranteed (WJP Rule of Law Index® 2020)
3.2	3.2 Rights of environmental defenders are effectively guaranteed AVERAGE(q24a, q24b, q24c, q24d, q24e, q24f, q24g)	
q24a	Please comment on threats against environmental defenders in your country: (a) How likely are environmental defenders to be threatened, attacked, or punished by public officers (for example, the police, inspectors, or other government officials)?	Very likely=0, Likely=.33, Unlikely=.66, Very unlikely=1
q24b	Please comment on threats against environmental defenders in your country: (b) How likely are environmental defenders to be threatened, attacked, or punished by representatives of private companies?	Very likely=0, Likely=.33, Unlikely=.66, Very unlikely=1
q24c	Please comment on threats against environmental defenders in your country: (c) How likely are environmental defenders to be threatened, attacked, or punished by gangs or other criminal organizations?	Very likely=0, Likely=.33, Unlikely=.66, Very unlikely=1

q24d	Please comment on threats against environmental defenders in your country: (d) How likely are environmental defenders to be threatened, attacked, or punished by members of the community affected by the project or program?	Very likely=0, Likely=.33, Unlikely=.66, Very unlikely=1
q24e	Please comment on threats against environmental defenders in your country: (e) How likely is it that public, non-violent demonstrations related to the environment or natural resources will result in violence or retaliation?	Very likely=0, Likely=.33, Unlikely=.66, Very unlikely=1
q24f	Please comment on threats against environmental defenders in your country: (f) How likely is law enforcement to investigate violence against environmental defenders?	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
q24g	Please comment on threats against environmental defenders in your country: (g) How likely are the authorities to prosecute and punish perpetrators of violence against environmental defenders?	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
4	4. Access to & Quality of Justice AVERAGE(4.1, 4.2)	
4.1	4.1 Access to fair & timely dispute resolution AVERAGE (4.1.1, 4.1.2, 4.1.3)	
4.1.1	4.1.1 Accessibility of dispute resolution mechanisms AVERAGE(q19a, q19b, q19c, q19d, q19e, q19f, q19i, q19k, q19l, q19m, q19n, q19p)	
q19a	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (a) Court fees (filing fees) are too high.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19b	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (b) Attorney fees are too high, or are not reimbursable.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19c	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (c) Lack of pro-bono (free-of-charge) legal aid.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19d	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (d) Lack of paralegals or legal clinics.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19e	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (e) Language barriers (translators unavailable).	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19f	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (f) Physical location of courthouses (courts are too far away).	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19i	The following question aims to examine the reasons why people in your country do not use courts to seek redress for	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1

	issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (i) Procedures are too cumbersome and complex.	
q19k	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (k) Fear of taking action due to intimidation or violent retaliation.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19l	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (l) Lack of public information about court procedures.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19m	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (m) Lack of awareness of possible causes of action.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19n	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (n) Limited available remedies or lack of awareness of available remedies.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19p	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (p) Insufficient evidence to prove direct damage/legal standing.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
4.1.2	4.1.2 Impartiality of dispute resolution mechanisms AVERAGE(q19h, q19j, q23a, q23b, q23c)	
q19h	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (h) Bias against marginalized people (discrimination based on social or economic status).	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q19j	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (j) Corruption of judges and judicial officers.	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q23a	Based on your experience during the past 5 years, for cases pertaining to the environment or natural resources in which the government had an interest (as a litigant or third party), and which were decided by a court, what percentage (%) of cases reflected the following outcomes: (a) The government	100%=0, 75%=.25, 50%=.5, 25%=.75, 5%=0.95, 0%=0

	exercised undue influence in attempt to affect the outcome of the case.	
q23b	Based on your experience during the past 5 years, for cases pertaining to the environment or natural resources in which the government had an interest (as a litigant or third party), and which were decided by a court, what percentage (%) of cases reflected the following outcomes: (b) The final decision reflected the judge's honest evaluation of the available evidence and applicable law.	100%=1, 75%=.75, 50%=.5, 25%=.25, 5%=.05, 0%=0
q23c	Based on your experience during the past 5 years, for cases pertaining to the environment or natural resources in which the government had an interest (as a litigant or third party), and which were decided by a court, what percentage (%) of cases reflected the following outcomes: (c) The final decision was influenced by undue pressure from one of the parties, or was influenced by corruption.	100%=0, 75%=.25, 50%=.5, 25%=.75, 5%=0.95, 0%=0
4.1.3	4.1.3 Timely dispute resolution AVERAGE(q19g, q20a, q20b, q20c, q20d, q20e)	
q19g	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (g) Duration of cases (they take too much time)	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1
q20a	In practice, how long would it take on average to obtain a decision, or a judgment – starting from the moment the case is filed to the moment a decision or agreement is reached – if a plaintiff in a case pertaining to the environment or natural resources uses the following mechanisms? (a) Civil court lawsuit.	Between 1 month and 1 year=1, between 1 and 3 years=0.66, between 3 and 5 years=0.33, more than five years=0
q20b	In practice, how long would it take on average to obtain a decision, or a judgment – starting from the moment the case is filed to the moment a decision or agreement is reached – if a plaintiff in a case pertaining to the environment or natural resources uses the following mechanisms? (b) Criminal court lawsuit.	Between 1 month and 1 year=1, between 1 and 3 years=0.66, between 3 and 5 years=0.33, more than five years=0
q20c	In practice, how long would it take on average to obtain a decision, or a judgment – starting from the moment the case is filed to the moment a decision or agreement is reached – if a plaintiff in a case pertaining to the environment or natural resources uses the following mechanisms? (c) Alternative dispute resolution mechanism (such as mediation, arbitration, or conciliation).	Between 1 month and 1 year=1, between 1 and 3 years=0.66, between 3 and 5 years=0.33, more than five years=0
q20d	In practice, how long would it take on average to obtain a decision, or a judgment – starting from the moment the case is filed to the moment a decision or agreement is reached – if a plaintiff in a case pertaining to the environment or natural resources uses the following mechanisms? (d) Administrative body.	Between 1 month and 1 year=1, between 1 and 3 years=0.66, between 3 and 5 years=0.33, more than five years=0
q20e	In practice, how long would it take on average to obtain a decision, or a judgment – starting from the moment the case is filed to the moment a decision or agreement is reached – if a plaintiff in a case pertaining to the environment or natural resources uses the following mechanisms? (e) Ombudsman focused on environmental issues.	Between 1 month and 1 year=1, between 1 and 3 years=0.66, between 3 and 5 years=0.33, more than five years=0
4.2	4.2 Effective judicial remedies & enforcement AVERAGE(4.2.1, 4.2.2)	
4.2.1	4.2.1 Quality of available remedies AVERAGE(q19o, q22b, q22d, q22f, q22h, q22j, q22k, q22l)	
q19o	The following question aims to examine the reasons why people in your country do not use courts to seek redress for issues related to the environment or natural resources. Please tell us how important are the following factors in influencing people's decisions on whether or not to go to court to resolve an environmental dispute in the city where you live? (o) Inefficient enforcement mechanisms (judgments are difficult to enforce in practice).	Very important=0, Somewhat important=.33, Not very important=.66, Not important at all=1

q22b	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (b) In practice, compensation (monetary payments for losses or damages) is available as a remedy.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q22d	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (d) In practice, restitution (forfeiting unlawfully obtained profits or gains) is available as a remedy.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q22f	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (f) In practice, restoration of the environment is available as a remedy.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q22h	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (h) In practice, interim relief, such as a court order, injunction, interdict, or other government action to temporarily stop harmful activities, is available as a remedy.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q22j	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (j) In practice, final injunctive relief, a court order, injunction, interdict, or other government action to permanently stop harmful activities, is available as a remedy.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q22k	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (k) Remedies in cases relating to the environment are provided promptly.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q22l	The following question aims to examine the remedies available to plaintiffs in cases pertaining to the environment. To what extent do you agree that: (l) Available remedies in cases relating to the environment are adequate and effective.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
4.2.2	4.2.2 Timely enforcement AVERAGE(q21a, q21b, q21c, q21d, q21e)	
q21a	In practice, after a decision or agreement is reached in a case pertaining to the environment or natural resources, how long would it take on average to begin enforcement of the decision, and for the plaintiff to begin to receive compensation or other applicable remedies if the plaintiff uses each of the following mechanisms? (a) Civil court lawsuit.	Less than 1 month=1, Between 1 month and 1 year=.66, Between 1 and 3 years=.33, More than 3 years=0
q21b	In practice, after a decision or agreement is reached in a case pertaining to the environment or natural resources, how long would it take on average to begin enforcement of the decision, and for the plaintiff to begin to receive compensation or other applicable remedies if the plaintiff uses each of the following mechanisms? (b) Criminal court lawsuit.	Less than 1 month=1, Between 1 month and 1 year=.66, Between 1 and 3 years=.33, More than 3 years=0
q21c	In practice, after a decision or agreement is reached in a case pertaining to the environment or natural resources, how long would it take on average to begin enforcement of the decision, and for the plaintiff to begin to receive compensation or other applicable remedies if the plaintiff uses each of the following mechanisms? (c) Alternative dispute resolution mechanism (such as mediation, arbitration, or conciliation).	Less than 1 month=1, Between 1 month and 1 year=.66, Between 1 and 3 years=.33, More than 3 years=0
q21d	In practice, after a decision or agreement is reached in a case pertaining to the environment or natural resources, how long would it take on average to begin enforcement of the decision, and for the plaintiff to begin to receive compensation or other applicable remedies if the plaintiff uses each of the following mechanisms? (d) Administrative body.	Less than 1 month=1, Between 1 month and 1 year=.66, Between 1 and 3 years=.33, More than 3 years=0

q21e	In practice, after a decision or agreement is reached in a case pertaining to the environment or natural resources, how long would it take on average to begin enforcement of the decision, and for the plaintiff to begin to receive compensation or other applicable remedies if the plaintiff uses each of the following mechanisms? (e) Ombudsman focused on environmental issues.	Less than 1 month=1, Between 1 month and 1 year=.66, Between 1 and 3 years=.33, More than 3 years=0
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Pillar II: Practices by Environmental Theme

5 5. Air Quality & Climate | AVERAGE(5.1, 5.2, 5.3, 5.4, 5.5)

5.1 5.1 Regulation of vehicles & fuels | AVERAGE(q27b, q27c, q27f, q27g, q27i)

q27b	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (b) Vehicle inspection programs.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27c	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (c) Vehicle anti-idling technologies.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27f	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (f) Measures to reduce the sulfur content of fuels.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27g	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (g) Programs to phase out the use of lead in gasoline.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27i	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (i) Regulations to reduce reliance on fossil fuels for energy generation.	Very effective=1, Slightly effective=.5, Not effective at all=0
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5.2 5.2 Controls on other activities & sources of pollution | AVERAGE(q27a, q27j, q27n, q27q)

q27a	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (a) Development of an emissions inventory.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27j	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (j) Measures to reduce ozone-depleting substances.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27n	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (n) Caps on specific pollutants – such as heavy metals, pesticides, volatile organic compounds, etc. – from key sources in order to meet ambient air quality standards.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27q	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (q) Bans on products or activities that pollute.	Very effective=1, Slightly effective=.5, Not effective at all=0
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5.3 5.3 Promotion of clean energy & energy efficient technologies | AVERAGE(q27d, q27e, q27k)

q27d	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (d) Measures to increase energy efficiency.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27e	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (e) Programs to increase the use of renewable energy.	Very effective=1, Slightly effective=.5, Not effective at all=0
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q27k	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (k) Programs to increase the use of clean cook stoves.	Very effective=1, Slightly effective=.5, Not effective at all=0
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5.4	5.4 Industry requirements & incentives to reduce pollution AVERAGE(q27o, q27p)	
q27o	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (o) Economic incentives or disincentives, such as pollution taxes or cap-and-trade programs.	Very effective=1, Slightly effective=.5, Not effective at all=0
q27p	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (p) Work or operational practice requirements.	Very effective=1, Slightly effective=.5, Not effective at all=0
5.5	5.5 Long-term planning & response to climate change AVERAGE(q27l, q27m)	
q27l	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (l) Efforts to reduce greenhouse gas emission or mitigate climate change.	Very effective=1, Slightly effective=.5, Not effective at all=0
q27m	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (m) Efforts to adapt to climate change impacts.	Very effective=1, Slightly effective=.5, Not effective at all=0
6	6. Water Quality & Resources AVERAGE(6.1, 6.2, 6.3, 6.4, 6.5)	
6.1	6.1 Planning for water use and supply AVERAGE(q32a, q32b, q32c, q32d, q34a, q34b)	
q32a	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (a) In my country, the government has legal structures that define the nation's approach to water governance.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32b	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (b) In my country, there is a governmental agency or entity that develops regulations and technical standards pertaining to water quality for domestic and industrial or agriculture use.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32c	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (c) In my country, there is a governmental agency or entity that enforces regulations and technical standards pertaining to water quality for domestic and industrial or agriculture use.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32d	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (d) In my country, there is a governmental agency or entity to address competing water uses and ensure its availability.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q34a	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (a) Lack of regulations, such as quotas, outlining reasonable and acceptable water usage for agricultural purposes.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q34b	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (b) Lack of licensing requirements for water use.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
6.2	6.2 Water quality standards for public & ecosystem health AVERAGE(q32e, q32f, q32g, q32h)	
q32e	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (e) A governmental agency or entity that develops regulations to address public health concerns and establish standards for determining whether water is safe for human consumption.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0

q32f	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (f) A governmental agency or entity enforces regulations to address public health concerns and enforces standards to ensure that water is safe for human consumption.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32g	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (g) The government has water resource and quality laws and regulations for developing water quality standards for the ecosystem health concerns.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32h	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country: (h) The government has water resource and quality laws and regulations for enforcing water quality standards for the ecosystem health concerns.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
6.3	6.3 Identification & monitoring of sources of pollution AVERAGE(q32i, q32j, q32l)	
q32i	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country:	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32j	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country:	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q32l	To what extent do you agree with the following statements regarding water governance – including water supply, water use, and water protection – in your country:	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
6.4	6.4 Mitigating agricultural pollution AVERAGE(q34c, q34d, q34e, q34g, q34h)	
q34c	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (c) Lack of legislation that limits or caps contaminants in fertilizers, pesticides, etc.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q34d	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (d) Lack of legislation and policies to reduce the excessive use of fertilizers.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q34e	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (e) Lack of laws to address storm water runoff from agricultural sources.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q34g	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (g) Lack of government regulations to address and mitigate negative consequences that nutrient pollution might have on water quality.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q34h	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious the following problems are in the agricultural industry in the area where you live: (h) Lack of the government enforcement of regulations on nutrient pollution to manage water quality.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
6.5	6.5 Response to pollution & toxic spills AVERAGE(q33a, q33b, q33c)	
q33a	Please answer: (a) In practice, how likely are companies to be held liable for water pollution, toxic spills, and discharges of pollutants to waters?	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
q33b	Please answer: (b) In practice, how likely are municipalities to be held liable for water pollution, toxic spills, and discharges of pollutants to waters?	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0

q33c	Please answer: (c) When holding potentially responsible parties liable for water pollution, toxic spills, and discharges of pollutants to waters, how likely is it that liability and penalties will be assigned based on the severity of the pollution or toxic spill?	Very likely=1, Likely=.66, Unlikely=.33, Very unlikely=0
7	7. Biodiversity AVERAGE(7.1, 7.2, 7.3)	
7.1	7.1 Biodiversity & conservation planning AVERAGE(q39b, q39f, q39g)	
q39b	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (b) The environmental and/or wildlife authority in my country has identified components of biodiversity warranting conservation and activities that affect them.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q39f	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (f) Economic incentives – such as payment for ecosystem services systems and mitigation banking – are used to protect biodiversity in my country.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q39g	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (g) National conservation plans and biodiversity considerations are well integrated into other areas of national policy and decision-making in my country.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
7.2	7.2 Monitoring protected species & habitats AVERAGE(q39c, q39d, q40a, q40b, q40c, q40d)	
q39c	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (c) The listing of a species as endangered or potentially endangered triggers measures to protect that species.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q39d	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (d) The listing of protected areas or particular habitat types triggers measures to protect that area or habitat.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q40a	Please comment on how effectively the environmental and/or wildlife authority in your country performs the following functions: (a) Monitoring changes in the components of biodiversity or activities that affect them.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q40b	Please comment on how effectively the environmental and/or wildlife authority in your country performs the following functions: (b) Listing species currently threatened with extinction.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q40c	Please comment on how effectively the environmental and/or wildlife authority in your country performs the following functions: (c) Listing species that will be threatened with extinction if not closely monitored and controlled.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q40d	Please comment on how effectively the environmental and/or wildlife authority in your country performs the following functions: (d) Designating specific protected areas or habitat types.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
7.3	7.3 Sustainable use of economically valuable species AVERAGE(q39a, q39e, q40e, q40f)	
q39a	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (a) The environmental and/or wildlife authority promulgates guidelines for the sustainable use and harvest of economically valuable species.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q39e	To what extent do you agree with the following statements pertaining to biodiversity and protected species in your country: (e) There are clear requirements and specifications for issuing permits for the trade of listed species.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q40e	Please comment on how effectively the environmental and/or wildlife authority in your country performs the following functions: (e) Enforcing sustainable use and harvest levels of economically valuable species.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0

q40f	Please comment on how effectively the environmental and/or wildlife authority in your country performs the following functions: (f) Regulating the trade of listed species, or items derived from those species.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
8	8. Forestry AVERAGE(8.1, 8.2, 8.3)	
8.1	8.1 Conservation of forest biodiversity & ecosystem health AVERAGE(q41a, q41c, q41d)	
q41a	Please comment on how effectively the following forest management measures are implemented or enforced in your country: (a) Measures for conserving forests' biological diversity.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q41c	Please comment on how effectively the following forest management measures are implemented or enforced in your country: (c) Measures for maintaining forest ecosystems' health and vitality.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q41d	Please comment on how effectively the following forest management measures are implemented or enforced in your country: (d) Measures for conserving and maintaining forests' soil and water resources.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
8.2	8.2 Maintenance of forests' productive & social functions AVERAGE(q41b, q41f)	
q41b	Please comment on how effectively the following forest management measures are implemented or enforced in your country: (b) Measures for maintaining the productive functions (wood and non-wood) of forest ecosystems.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q41f	Please comment on how effectively the following forest management measures are implemented or enforced in your country: (f) Measures to ensure the sustainable use of forests for socio-economic functions (such as employment, recreation and tourism, or other cultural uses).	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
8.3	8.3 Maintaining forest cover AVERAGE(q27h, q41e)	
q27h	Please choose the statement that is closest to your views on how environmental authorities implement the following approaches to mitigate, reduce, or prevent air pollution: (h) Deforestation prevention programs	Very effective=1, Slightly effective=.5, Not effective at all=0
q41e	Please comment on how effectively the following forest management measures are implemented or enforced in your country: (e) Measures to maintain and enhance forests' contribution to global carbon cycles.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
9	9. Oceans, Seas & Marine Resources AVERAGE(9.1, 9.2, 9.3)	
9.1	9.1 Pollution reduction measures AVERAGE(q43a, q43b)	
q43a	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (a) Measures to reduce marine nutrient pollution from land-based activities and runoff.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43b	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (b) Measures to prevent marine litter, in particular from plastic.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
9.2	9.2 Conservation & resiliency efforts AVERAGE(q43c, q43d, q43e, q43i, q43k)	
q43c	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (c) Measures to protect and strengthen the resilience of coastal ecosystems.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43d	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (d) Measures to effectively manage marine protected areas.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43e	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (e) Measures to minimize and address the impacts of ocean acidification.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43i	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (i) Measures to increase	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0

	scientific knowledge, develop research capacity, and adopt marine technology that benefits ocean health.	
q43k	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (k) Coordinating with other countries to manage shared protected marine areas.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
9.3	9.3 Sustainable fishing AVERAGE(q43f, q43g, q43h, q43j)	
q43f	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (f) Regulating harvesting overfishing, illegal fishing, and other destructive fishing practices.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43g	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (g) Implementing science-based plans for restoring fish stocks.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43h	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (h) Eliminating subsidies that contribute to overfishing or illegal, unreported, or unregulated fishing.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q43j	Please comment on how effectively the following measures for conserving oceans, seas, and marine resources are implemented in your country: (j) Providing artisanal fishers access to marine resources and markets.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
10	10. Waste Management AVERAGE(10.1, 10.2, 10.3, 10.4, 10.5)	
10.1	10.1 Clear laws on contaminant limits & liabilities AVERAGE(q36a, q36b, q36c)	
q36a	To what extent do you agree with the following statements regarding the management of waste - both solid and hazardous materials - in your country: (a) My country's laws and regulations clearly define criteria and limits on the presence of contaminant substances in air, soil, and water.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q36b	To what extent do you agree with the following statements regarding the management of waste - both solid and hazardous materials - in your country: (b) My country's laws and regulations clearly define the type and degree of contamination that triggers an obligation to return a site to a clean condition.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q36c	To what extent do you agree with the following statements regarding the management of waste - both solid and hazardous materials - in your country: (c) My country's laws and regulations clearly delineate liability for harm from waste disposal and dumping.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
10.2	10.2 Measures to reduce waste & contamination AVERAGE(q37d, q37f, q38i, q38j)	
q37d	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (d) Restrictions on the production and use of inorganic and organic hazardous substances (such as metals, dioxins and polychlorinated biphenyls).	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q37f	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (f) Recycling regulation to prevent and reduce waste disposal	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q38i	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (i) Inadequate system (infrastructure or laws) for recycling or reusing urban waste.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q38j	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (j) Lack of regulations banning the use of single-use of plastics.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1

10.3	10.3 Waste disposal planning & procedures AVERAGE(q37b, q37e, q38a, q38h)	
q37b	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (b) Procedures for disposing of waste in an environmentally sound manner.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q37e	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (e) Systems for disposing of products with a high potential to pollute (such as pesticides, batteries, packaging, tires and electronic products).	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q38a	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (a) Lack of national plans for managing the disposal of waste.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q38h	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (h) Inadequate systems (infrastructure or laws) for managing the final disposal of urban waste.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
10.4	10.4 Compliance with waste disposal & contamination regulations AVERAGE(q37g, q38c, q38e, q38f, q38g)	
q37g	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (g) Regulation of waste disposal locations and licensure of waste disposal actions.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q38c	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (c) Poor enforcement of transboundary waste contamination regulations.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q38e	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (e) Polluters selling contaminated land cheaply to avoid cleanup liability.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q38f	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (f) Private landowners knowingly permitting contamination by other actors.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q38g	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (g) Land transactions documents do not disclose prior waste disposal or contamination on the land.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
10.5	10.5 Site cleanup & restoration AVERAGE(q36d, q36e, q36f, q37a, q37c, q38b, q38d)	
q36d	To what extent do you agree with the following statements regarding the management of waste - both solid and hazardous materials - in your country: (d) Site cleanup is driven by risk assessment, taking into account the future use of the land.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q36e	To what extent do you agree with the following statements regarding the management of waste - both solid and hazardous materials - in your country: (e) Environmental authorities charged with overseeing the cleanup of waste sites have access to sufficient financial and technical resources.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q36f	To what extent do you agree with the following statements regarding the management of waste - both solid and hazardous materials - in your country: (f) Environmental	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0

	authorities charged with overseeing the cleanup of waste sites are competent and have sufficient scientific and engineering knowledge.	
q37a	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (a) Procedures for identifying, mapping, and prioritizing contaminated areas.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q37c	Please comment on how effectively the following waste management measures are implemented or enforced in your country: (c) Cleanup or restoration at sites where oil or hazardous waste has been dumped.	Very effectively=1, Somewhat effectively=.66, Not very effectively=.33, Not effectively at all=0
q38b	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (b) Poor enforcement of domestic site cleanup and contamination regulations.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1
q38d	On a scale from 1 to 10 (with 10 meaning a very serious problem, and 1 meaning not a serious problem), please tell us how serious are the following obstacles to effective waste management and site cleanup in your country: (d) Corporate veils that limit companies' responsibility for cleanup of contamination, effectively passing cleanup costs on to the public.	10=0, 9=.11, 8=.22, 7=.33, 6=.44, 5=.55, 4=.67, 3=.78, 2=.89, 1=1

Pillar III: Practices by Sector

11	11. Extraction & Mining AVERAGE(11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7)	
11.1	11.1 Disclosure on operations, revenues & financial interests AVERAGE (31a, q31c, q31d)	
q31a	How frequently would you say that: (a) In practice, the government discloses information about operations, revenues, licensing and contracts for mining and extraction operations.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q31c	How frequently would you say that: (c) In practice, officials who manage the extractive sector, or who work for state-owned companies or natural resource funds, disclose their financial interests in the oil, gas or mining sector.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
q31d	How frequently would you say that: (d) In practice, state-owned companies disclose audits and data on production and revenues.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
11.2	11.2 Environmental impact assessments AVERAGE(q29b, q31b)	
q29b	To what extent do you agree with the following statements: (b) Mining and extraction companies comply with environmental impact assessment regulations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q31b	How frequently would you say that: (b) In practice, the government publishes environmental impact reports prior to consultations and before the award of any mineral rights.	Almost always=1, In most cases=.66, In some cases=.33, Almost never=0
11.3	11.3 Competitive licensing & contracting AVERAGE(q28, q29a)	
q28	Please choose the statement that is closest to your views on how permitting for mining and extraction works in your country: (a) There is a competitive and transparent bidding lease program for mining and extraction operations, which mandates comprehensive environmental reviews at several stages of the process. (b) There is a formal bidding lease program for mining and extraction operations, but it is flawed. Leases are awarded without competitive and transparent bidding, or through ineffective bidding processes, leaving open the possibility of corruption. (c) There is no formal bidding lease program for mining and extraction operations or it is superficial and ineffective. Most leases are awarded to firms which offer bribes; to firms	(a) There is a competitive and transparent bidding lease program for mining and extraction operations, which mandates comprehensive environmental reviews at several stages of the process=1, (b) There is a formal bidding lease program for mining and extraction operations, but it is flawed. Leases are awarded without competitive and transparent bidding, or through ineffective bidding processes, leaving open the possibility of corruption=.5, (c) There is no formal bidding lease program for mining and extraction operations or it is superficial and ineffective. Most leases are awarded to firms which offer bribes; to firms owned by political supporters; or to firms in which a relevant government officer has a financial stake=0

	owned by political supporters; or to firms in which a relevant government officer has a financial stake.	
q29a	To what extent do you agree with the following statements: (a) There is a licensing process that all mining and extraction operations must follow before commencing work.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
11.4	11.4 Compliance with environmental quality regulations AVERAGE(q29c, q29d, q29e, q29f, q30a)	
q29c	To what extent do you agree with the following statements: (c) Mining and extraction companies comply with waste disposal regulations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q29d	To what extent do you agree with the following statements: (d) Mining and extraction companies comply with water quality regulations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q29e	To what extent do you agree with the following statements: (e) Mining and extraction companies comply with air quality regulations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q29f	To what extent do you agree with the following statements: (f) Mining and extraction companies adequately restore the damaged surface of abandoned mining areas and, where possible, re-establish near-natural conditions.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q30a	Please choose the statement that is closest to your views on how environmental authorities respond to the following violations: (a) Mining or extraction that results in degradation of areas of special biological, scientific, historic, aesthetic or wilderness significance.	Very effective=1, Slightly effective=.5, Not effective at all=0
11.5	11.5 Response to unauthorized mining & extraction AVERAGE(q30b, q30c, q30d)	
q30b	Please choose the statement that is closest to your views on how environmental authorities respond to the following violations: (b) Mining, extraction, or prospecting in national parks, burial sites, or land trusts.	Very effective=1, Slightly effective=.5, Not effective at all=0
q30c	Please choose the statement that is closest to your views on how environmental authorities respond to the following violations: (c) Mining or extraction on prime farmland.	Very effective=1, Slightly effective=.5, Not effective at all=0
q30d	Please choose the statement that is closest to your views on how environmental authorities respond to the following violations: (d) Mining or extraction in vulnerable areas (such as steep slopes).	Very effective=1, Slightly effective=.5, Not effective at all=0
11.6	11.6 Public compensation for damages q29g	
q29g	To what extent do you agree with the following statements: (g) Mining and extraction companies fairly compensate affected communities for losses or damages resulting from mining operations.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
11.7	11.7 Proper payment & royalties for valuable minerals AVERAGE(q29h, q30e)	
q29h	To what extent do you agree with the following statements: (h) Mining and extraction companies pay fair market value for publicly owned minerals found on publicly owned lands.	Strongly agree=1, Agree=.66, Disagree=.33, Strongly disagree=0
q30e	Please choose the statement that is closest to your views on how environmental authorities respond to the following violations: (e) Exporting precious minerals such as gold and diamonds without paying required royalties.	Very effective=1, Slightly effective=.5, Not effective at all=0

Part Five. Environmental Performance Indicators

TPS26	Air Quality	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS27	Air Pollution	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS28	Climate & Energy	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS29	Heavy Metals	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)

TPS30	Water & Sanitation	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS31	Water Resources	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS32	Agriculture	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS33	Biodiversity & Habitat	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS34	Forests	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)
TPS35	Fisheries	TPS score originally presented on a 0 to 100 scale and rescaled to a 0 to 1 range, where 1 indicates best performance (Yale Environmental Performance Index, 2018)