

CoAct Database Metadata

Sander Chan¹, Sebastian Reyes de La Lanza¹, Kiri van den Wall Bake², Paul Hagenström³, Lisa-Maria Glass¹, Cornelia Fast²

¹ Department of Geography, Spatial Planning, and Environment, Radboud University, Nijmegen, the Netherlands

² Department of Environmental Science, Radboud University, Nijmegen, the Netherlands

³ German Institute for Development and Sustainability (IDOS), Bonn, Germany

This document contains the metadata of the variables included in the public version of the CoAct Database (SQLite file). In the table below, each table and variable included in the database is listed. For each variable, a short description of the variable is added and the source of the data (i.e. the question in the coding form or codebook) is listed in the table as well.

Variable	SQL variable name	Variable description	Form/ codebook question
CCI overview (I): cci_overview			
CCI identifier	cci_id	Main initiative identifier to link data between tables	n/a
Initiative name	name	Name of the initiative	1.03
Alternative names	alt_names	Alternative initiative names, including abbreviations and previous names	1.04
Website link	web_url	URL link to the website of the initiative. The link might be broken or inactive.	1.06
Description	description	Short description of the initiative, based on the website of the initiative.	1.07
Sample: INCA	inca	Whether the initiative is part of the Integrated Nature Climate Action (INCA) sample (1=yes, 0=no).	n/a
Sample: GCAP	gcap	Whether the initiative is featured on the Nonstate Actors Zone for Climate Action (NAZCA) (previously Global Climate Action Portal (GCAP)) of the UNFCCC (1=yes, 0=no).	n/a
Sample: COP	cop	Whether the initiative is launched during recent COPs (since COP26) (1=yes, 0=no).	n/a
Policy focus: mainly mitigation	mainly_mitigation	Whether the initiative focuses mainly on climate change mitigation (1=yes, 0=no). Policy foci are mutually exclusive.	4.01
Policy focus: equally adaptation & mitigation	equally_adaptation_mitigation	Whether the initiative focuses both on climate change mitigation and adaptation (1=yes, 0=no). Policy foci are mutually exclusive.	4.01

Variable	SQL variable name	Variable description	Form/ codebook question
Policy focus: mainly adaptation	mainly_adaptation	Whether the initiative focuses on mainly on climate change adaptation (1=yes, 0=no). Policy foci are mutually exclusive.	4.01
Update date	update_date	Year of the last coding update	8.01
Basic information (I): basic_info			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Inclusion criterion A	cci_criteria_a	First initiative inclusion criterion: Include at least two actors (1=yes, 0=no)	2.01
Inclusion criterion B	cci_criteria_b	Second initiative inclusion criterion: Include at least one non-state or subnational actor (1=yes, 0=no)	2.01
Inclusion criterion C	cci_criteria_c	Third initiative inclusion criterion: Address a climate aspect (mitigation, adaptation, or both) (1=yes, 0=no)	2.01
Inclusion criterion D	cci_criteria_d	Fourth initiative inclusion criterion: Implement across borders and have actors from at least two countries (1=yes, 0=no)	2.01
Main actor is international organisation	main_actor_ior	Whether one of the main actors of the initiative is an international organisation	2.01
Governance (I): governance			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Joint declaration	joint_declaration	Whether the initiative is a joint declaration, often launched during high-level events (1=yes, 0=no)	2.04a
Institutional openness	institutional_openness	Whether the initiative has a procedure to allow new actors to join the initiative in place (1=yes, 0=no)	2.04b
Membership control	membership_control	Whether the initiative members explicitly have to make individual commitments as part of joining the initiative (1=yes, 0=no)	2.04c
Members commit to set target(s)	member_commit_target	Whether members have to commit to setting targets as part of the membership control (1=yes, 0=no)	2.04d
Members commit to plan	member_commit_plan	Whether members have to commit to develop implementation plans (1=yes, 0=no)	2.04d
Members commit to implementation and tracking	member_commit_implement	Whether members have to commit to implementing actions and tracking progress (1=yes, 0=no)	2.04d
Monitoring arrangements	monitoring_arrangement	Whether the initiative has an explicit monitoring arrangement in place (1=yes, 0=no)	2.05
Publish governance structure	gov_structure	Whether the initiative publishes its governance structure publicly (e.g., on their website) (1=yes, 0=no)	2.06a
Disclose a budget	budget	Whether the initiative publicly discloses a budget (1=yes, 0=no)	2.07
Governance structure (R): gov_structure			

Variable	SQL variable name	Variable description	Form/ codebook question
Governance body characteristic identifier	gov_structure_id	Identifier for characteristics of governance bodies (e.g., presence of the body, actor types of the body, or employed by initiative)	2.06b
Characteristic Abbreviation of characteristic	characteristic_body variable	Characteristic of governance bodies Abbreviation or variable name of the characteristic of the governance body	2.06b n/a
Governance structure (J): cci_gov_structure			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Governance body characteristic identifier	gov_structure_id	Identifier defined in the governance structure (R) table, representing the characteristics that are present in a specific governance body	2.06b
Body: Secretariat	secretariat	Whether the characteristic of the body relates to the secretariat (1=yes, 0=no). Bodies are mutually exclusive.	2.06b
Body: advisory body	advisory_body	Whether the characteristic of the body relates to the advisory body (1=yes, 0=no). Bodies are mutually exclusive.	2.06b
Body: executive body	executive_body	Whether the characteristic of the body relates to the executive body (1=yes, 0=no). Bodies are mutually exclusive.	2.06b
Countries and territories (R):			
Country identifier	country_id	Identifier for each country or territory	n/a
Country name	country_name	Name of the country or territory	n/a
Country 3-letter code	country_code	ISO 3166-alpha 3 letter code of the country or territory	n/a
Regions and country groups (R): regions			
Region identifier	region_id	Identifier for each region or country group	n/a
Name of the region	region_name	Name of the region or country group	n/a
Level of the region or country group	region_level	Level of the country group, with 1 being the largest region (5 global regions) and 3 being the smallest region; 0 means it is not a geographic region.	n/a
Country and region (J): country_region			
Country identifier	country_id	Identifier defined in the country reference table representing a country or territory	n/a
Region identifier	region_id	Identifier defined in the regions and country groups table representing a region or country group of which the respective country is part.	n/a
Actor types (R): actor_types			
Actor type identifier	actor_type_id	Identifier for each actor type	n/a
Actor type	actor_type	Name of the actor type categories	n/a
Actor type 3-letter code	actor_type_code	Three-letter actor type abbreviation	n/a
Actors (O): actors			

Variable	SQL variable name	Variable description	Form/ codebook question
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Name of the actor	actor_name	Name of the actor. Note that the actor names are not cleaned, meaning actors may appear in the list multiple times under different names.	3.00; 3.01; 3.03
Actor type identifier	actor_type_id	Identifier defined in the actor types (R) table representing the actor type of the respective actor	3.00; 3.01; 3.03
Country identifier	country_id	Identifier defined in the country (R) table representing a country or territory where the respective actor is based	3.00; 3.01; 3.03
Role: funder	funder	Whether the actor's role is a funder in the initiative. Roles are mutually exclusive.	3.00
Role: leader	leader	Whether the actor's role is a leader in the initiative. Roles are mutually exclusive.	3.01
Role: participant	participant	Whether the actor's role is a leader in the initiative. Roles are mutually exclusive.	3.03
Target actors (J): target_actors			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Actor type identifier	actor_type_id	Identifier defined in the actor types (R) table representing the actor type(s) that a respective initiatives targets	2.01c
Implementation (J): implementation			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Country identifier	country_id	Identifier defined in the country reference table representing a country or territory of implementation	6.01
Secretariat location (J): secretariat			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Country identifier	country_id	Identifier defined in the country (R) table representing a country or territory where the secretariat or lead actors are based	2.06d
Target types (R): target_types			
Target type identifier	target_type_id	Identifier for each of the target types	n/a
Target types	target_type	Types of targets, including one other category	4.01e; 4.02- 4.09; 4.11
Targets (O): targets			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Target	target	Quantified target set by the initiative as a short description (not standardised)	4.01e; 4.02- 4.09; 4.11
Target type identifier	target_type	Identifier defined in the target types (R) table to classify the target by target type	4.01e; 4.02- 4.09; 4.11
Presence of targets (V): targets_present			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a

Variable	SQL variable name	Variable description	Form/ codebook question
Net zero target	nz_target	Whether the initiative has set a quantified net zero target (1=yes, 0=no)	4.01e
Emission reduction target	em_reduc_target	Whether the initiative has set a quantified emission reduction target (1=yes, 0=no)	4.02
Energy efficiency target	energy_eff_target	Whether the initiative has set a quantified energy efficiency target (1=yes, 0=no)	4.03
Renewable energy target	renew_en_target	Whether the initiative has set a quantified renewable energy target (1=yes, 0=no)	4.04
People affected target	people_target	Whether the initiative has set a quantified target expressed as the number of people or countries affected (1=yes, 0=no)	4.05
Organisations engaged target	org_target	Whether the initiative has set a quantified target on the number of organisations newly engaged (1=yes, 0=no)	4.06
Area target	area_target	Whether the initiative has set a quantified target expressed in areas to protect/ improve/ restore (1=yes, 0=no)	4.07
Economic target	econ_target	Whether the initiative has set a quantified economic, financial, or market-based target (1=yes, 0=no)	4.08
Funding target	fund_target	Whether the initiative has set a quantified funding target (1=yes, 0=no)	4.09
Other target	other_target	Whether the initiative has set another quantified target (1=yes, 0=no)	4.11
Net zero related terms (R): net_zero_terms			
Net zero term identifier	net_zero_id	Identifier for each net zero related term	n/a
Net zero related terms	net_zero_mentions	Net zero related terms	4.01d
Net zero (J): cci_net_zero			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Net zero term identifier	net_zero_id	Identifier defined in the net zero related terms (R) table that the respective initiative mentions	4.01d
Carbon credit categories (R): carbon_credit			
Carbon credit mention identifier	credit_mention_id	Identifier for each category of carbon credit mentions	n/a
Carbon credit mentions	carbon_credit_mention	Categories of how carbon credits are possibly mentioned by initiatives	4.01f
Carbon credits (J): cci_credit			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Carbon credit mention identifier	credit_mention_id	Identifier defined in the carbon credit categories (R) table, representing whether and how the respective initiative mentions carbon credits.	4.01f
Carbon credit requirements (R): credit_requirements			
Carbon credit requirement identifier	credit_requirement_id	Identifier for each category of requirements for the use of carbon credits	n/a

Variable	SQL variable name	Variable description	Form/ codebook question
Carbon credit requirements	carbon_credit_requirement	Category of requirements for carbon credit use	4.01g
Credit requirements (J): cci_credit_requirements			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Carbon credit requirement identifier	credit_requirement_id	Identifier defined in the carbon credit requirements (R) table, representing whether and what type of requirements initiatives set for carbon credit use	4.01g
Sectors (R): sectors			
Sector identifier	sector_id	Identifier for each economic sector	n/a
Letter for sector	letter_sector	Letter identifier for each economic sector to align forms, codebook and SQLite database	4.01b
Name of the sector	name_sector	Name of the economic sector categories	4.01b
Sectors (J): cci_sectors			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Sector identifier	sector_id	Identifier defined in the sectors (R) table, representing which sector the respective initiative addresses	4.01b
Themes (R): mpaa_themes			
Theme identifier	theme_id	Identifier for each Marrakech Partnership Action Agenda (MPAA) theme	n/a
Theme name	theme_name	Name of the Marrakech Partnership Action Agenda (MPAA) theme	4.01a
Themes (J): cci_mpaa_themes			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Theme identifier	theme_id	Identifier defined in the Themes (R) table, representing which themes are addressed by the respective initiative	4.01a
Sustainable Development Goals (SDGs) (R): sdgs			
SDG identifier	sdg_id	Identifier for each Sustainable Development Goal (SDG)	n/a
SDG name	sdg_name	Name of the Sustainable Development Goal (SDG)	n/a
Sustainable Development Goals (SDGs) links (J): cci_sdgs			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
SDG identifier	sdg_id	Identifier for the Sustainable Development Goals (SDG) defined in the SDG (R) table that is addressed by the respective initiative	4.12
Explicit link to the SDG	explicit_link	Whether the respective initiative addresses the SDG explicitly (1) or implicitly (0).	4.12
Global Stocktake axes (R): gst_axes			
Axis identifier	axis_id	Identifier for each of the six Global Stocktake (GST) axes as defined in the	n/a

Variable	SQL variable name	Variable description	Form/ codebook question
		Global Climate Action Agenda by the COP30 Presidency	
Axis name	axis_full_name	Name of the six Global Stocktake (GST) axes as defined in the Global Climate Action Agenda by the COP30 Presidency	n/a
Global Stocktake objectives (R): gst_objectives			
Objective identifier	objective_id	Identifier for each of the thirty Global Stocktake (GST) objectives as defined in the Global Climate Action Agenda by the COP30 Presidency	n/a
Axis identifier	axis_id	Identifier for the corresponding axis as defined in the GST axes (R) table.	n/a
Objective name	axis_full_name	Name of the 30 Global Stocktake (GST) objectives as defined in the Global Climate Action Agenda by the COP30 Presidency	n/a
Global Stocktake links (J): gst_linkages			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Objective identifier	objective_id	Identifier for each GST objective that an initiative links to, as defined in the GST objectives (R) table	n/a
Activity (I): activity			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Launch year	launch_year	The year in which the initiative has been launched	2.08
Expiry year	expiry_year	Year in which the initiative is/was supposed to expire. Note: this does not mean that the initiative is or will expire in that year	2.09
Year of first inactivity	inactive_year	Year in which the initiatives has been recorded to be inactive, based on coders judgement.	2.10
Active years (V): cci_activity			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Start year of the activity period	active_start_year	First year of recorded activity, usually the launch year. If the launch year is missing, it is the year of the first recorded output.	2.08; 7.00-7.26
Last year of the activity period	active_end_year	Last year of recorded output or the first year of inactivity recorded by coders	2.10; 7.00-7.26
Last update date	update_date	Year of the last coding update	8.01
Ongoing activity	ongoing	Whether the initiative is still ongoing in the year of the last coding update	2.08; 2.10; 7.00-7.26; 8.01
Functions (R): functions			
Function identifier	function_id	Identifier for each initiative function	5.00
Function	function	Function that an initiative can perform (12 in total)	5.00

Variable	SQL variable name	Variable description	Form/ codebook question
Functions (J): cci_function			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Main function	main_function	Whether the respective function is among the three most relevant functions of the initiative	5.00
Function identifier	function_id	Identifier of the function that an initiative performs, as defined in the function (R) table	5.00
Outputs (R): outputs			
Output identifier	output_id	Identifier for each of the outputs	7.00-7.26
Output	output	Output that an initiative can produce (26 in total)	7.00-7.26
Outputs (J): cci_output			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Year	year	Year in which the recorded output was produced	7.00-7.26
Output identifier	output_id	Identifier of the output that an initiative produced, as defined in the outputs (R) table	7.00-7.26
Location-sensitive outputs (J): loc_sensitive_outputs			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Output identifier	output_id	Identifier of the output that an initiative produced, as defined in the outputs (R) table	7.28
Actor type identifier	actor_type_id	Identifier defined in the actor types (R) table, representing which actor types are affected or targeted by the respective output	7.28
Country identifier	country_id	Identifier defined in the country (R) table representing which country was targeted or affected by the respective output	7.28
Year	year	Year in which the respective output was produced	7.28
Relevant outputs (J): relevant_outputs			
Function identifier	function_id	Identifier of the function as defined in the function (R) table	n/a
Output identifier	output_id	Identifier of the output that is relevant for performing the respective function	n/a
Annual output effectiveness (V): cci_fof_relevant			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Year	year	Year of the corresponding output effectiveness score	7.00-2.28
Output effectiveness	fof_score	Annual output effectiveness score measured by the Function-Output Fit (FOF), which captures whether initiatives produce outputs in line with their functions	7.00-7.28; 5.00

Variable	SQL variable name	Variable description	Form/ codebook question
Output effectiveness (V): cci_fof_avg_relevant			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Output effectiveness	fof_score	Average output effectiveness score measured by Function-Output Fit (FOF), which captures whether initiatives produce outputs in line with their functions. The average is taken over the lifetime of the initiative	7.00-7.28; 5.00; 2.08; 2.10
Accountability (V): accountability			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Membership control	membership_control	Whether the initiative members explicitly have to make individual commitments as part of joining the initiative (1=yes, 0=no)	2.04c
Monitoring arrangements	monitoring_arrangement	Whether the initiative has an explicit monitoring arrangement in place (1=yes, 0=no)	2.05
Disclose a budget	budget	Whether the initiative publicly discloses a budget (1=yes, 0=no)	2.07
Presence of advisory body	advisory_body	Whether the initiative has an advisory body (1=yes, 0=no)	2.06b
Average report per year	avg_report_per_year	Share of the lifetime years in which the initiative has published an emissions or annual report	7.06; 7.07
Targets present	targets_present	Whether the initiative has set quantifiable and measurable targets	4.01e; 4.02-4.09; 4.11
Accountability index	accountability_index	Accountability index, which is the average of all other variables in this view	
Inclusiveness index (V): inclusiveness			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Institutional openness	institutional_openness	Whether the initiative has a procedure to allow new actors to join the initiative in place (1=yes, 0=no)	2.04b
Participant actor types represented in executive body	at_exec_representation	Share of actor types of all participants that are represented in the executive body of the initiative. NULL or missing values mean that the initiative has no executive body or participants	2.06b; 3.03
Participant actor types represented in advisory body	at_advis_representation	Share of actor types of all participants that are represented in the advisory body of the initiative. NULL or missing values mean that the initiative has no advisory body or participants	2.06b; 3.03
Participant actor types represented in leaders	at_lead_representation	Share of actor types of all participants that are represented in the leaders of the initiative. NULL or missing values mean that the initiative has no leaders or participants	3.01; 3.03
Countries of implementation	c_part_representation	Share of countries of implementation that are represented by the participants of the initiative. NULL or missing values mean	3.03; 6.01

Variable	SQL variable name	Variable description	Form/ codebook question
represented in participants		that the initiative has no countries of implementation or participants	
Regions of implementation represented in leaders	r_lead_representation	Share of regions of implementation that are represented by the leaders of the initiative. NULL or missing values mean that the initiative has no countries of implementation or leaders	3.01; 6.01
Countries of participants represented in leaders	c_part_lead_representation	Share of participant countries that are represented by the leaders of the initiative. NULL or missing values mean that the initiative has no participants or leaders	3.01; 3.03
Presence of non-profits or NGOs	ngo_present	Whether an NGO or non-profit is involved in the initiative (1=yes, 0=no)	3.00-3.03
Inclusiveness index	inclusiveness_index	Inclusiveness index, which is the average all other variables in this view	
Capacity (V): capacity			
CCI identifier	cci_id	Identifier defined in the CCI overview table to link initiative data	n/a
Presence of a secretariat	secretariat	Whether the initiative has a secretariat or dedicated staff members in place	2.06b
Presence of an executive body	executive_body	Whether the initiative has an executive body	2.06b
Presence of funders	funder_present	Whether the initiative has a funder	3.00
Number of participants	num_participants	Scaled number of participants	3.03
Leadership intensity	leadership_intensity	Leadership intensity is based on the number of leaders relative to the number of participants, scaled to represent diminishing returns of more leaders	3.01; 3.03
Capacity index	capacity_index	Capacity index, which is the average of all other variables in this view	

Notes: I = initiative-level table (one row per initiative); R = reference table (reference data for joining tables); J = joining table (tables linking initiatives and reference tables (or two reference tables)); O = occurrences table (tables linking initiatives with other data based on occurrences or instances); V = view (i.e. calculated or derived data).