

	Mandatory field				
	Optional field				
	Expert assessment				
Attribute id	Attribute	Attribute type (# categories)	Attribute values	Vocabulary term	Description
1	Name	(text)		name	Name of the project.
2	Website	(text)	hyperlink	url	Link to the project's website.
3	Contact	(text)		contact	Contact for the project, ideally an e-mail address (alias or personal).
4	Brief description	(text)		description	Short description of the project (1 or 2 sentences).
5	Geographical extent	Category (7)	Global, Macro-regional, National, Sub-national, Regional, City, Neighborhood	geographic_extent	The spatial scale at which the project is implemented. Sub-national is used as generic category for projects for which the sub-national scale is not known (i.e. regional, or city, or neighborhood). All regional, city and neighborhood projects are also sub-national projects.
6	Geographic coverage	List	Name of country(ies), lead country first	geographic_coverage	The countries involved in the project team/consortium (comma separated list; lead country first). Naming for countries follows https://www.iso.org/obp/ui/#search (English short name + "Europe" + "World")
7	Lead organisation name	(text)		lead_organisation_name	Name of the lead partner. Local name, in native language
8	Lead organisation category	Category (6)	Governmental, Non-governmental, Academic, Private sector, Community-led, Consortium	lead_organisation_category	Type of organisation represented by the lead partner.
9	Start year	(Year)		start_date	The year when the project started.
10	Still active	Category (2)	Yes/No	active	Indication (yes/no) if the project is still active.
11	End year	(Year)		end_date	The year when the project ended/will end.
12	Primary environmental domain	Category (5)	Terrestrial, Freshwater, Marine, Atmospheric Cross-cutting	primary_domain	The dominant domain of research. Cross-cutting' has been added for the facilitating platforms. See short-list attributes for other potential environmental domains affected.

13	Primary environmental field	Category (13)	Air quality, Biodiversity, nature and landscapes, Climate, Land, Noise, Sustainable consumption and production, Waste, Water, Efficient use of resources, Transport and energy use, Animal welfare, Environmental risks, Environmental health, Cross-cutting	primary_field	The dominant environmental field tackled by the project activities. List adapted based on the environmental fields in the environmental impact assessment under the Better Regulation Agenda. 'Cross-cutting' has been added for the facilitating platforms. See short-list attributes for other potential environmental fields impacted.
14	Primary category of project	Category (8)	Passive sensing, Crowd-sourcing, Volunteer computing, Monitoring, Occasional reporting, DIY engineering, Civic science, Facilitating platform	category	Adapted from on Haklay et al. (2013) Citizen Science and Policy: A European Perspective. <i>See the attributes of the "selected practices in citizen science for environmental policy" for other potential categories of projects impacted.</i>
15	Social uptake	Category (3)	Very large Large Considerable	social_uptake	Index of number of participants or followers. Based on expert knowledge/reporting project contact point: - Very large: large number of users, tradition, excellent EC-funded projects with high numbers of users (above 1,000). So: zooniverse, opal, ebird, ornitho and other big names, because of number of users. Old UK societies (from XVII century to late XX century), because of tradition; EC-funded projects that we would say excellent in review and with high number of users (above 1000) - Large: EC-funded projects that we would say good in review and with medium number of users (below 1000) - Considerable: all others
16	Policy aims	Category (2)	Yes/No	policy_aims_classification	Aims at the policy level, as stated on the project website or by the reporting project contact point. Allowed values: Yes, No
17	Policy aims explanation	Text	Brief explanation of which policies aim(ed) to be impacted and how.	policy_aims_explanation	Explanation why there are/are not policy aims. Essential to be filled for cases where there are policy aims.
18	Policy relevance	Category (6)	Problem definition Early-warning Policy implementation or monitoring, Policy evaluation Compliance assurance NA: no clear policy link	policy_relevance	Main phase of the policy cycle potentially impacted by the project actions. See the attributes of the "selected practices in citizen science for environmental policy" for other potential policy areas affected.

19	SDG 1 - Poverty	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg1	Value =1 in projects whose objectives are potentially related to poverty eradication or mitigation Value 2= in projects whose objectives are explicitly related to poverty eradication or mitigation No matches with current long-list
20	SDG 2 - Food, sustainable agriculture	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg2	Value = 1 for projects dealing with soils, climate adaptation, land use, pollinators, biological pest-control, as well as with bird monitoring projects that include species important to seed dispersal, or climate change monitoring projects that consider impacts on food production. Value = 2 for projects looking at land, soil or water impacts of either pollution or climate change that have an impact on food sources, even when not agriculture (such as hunting, fishing and foraging), for projects dealing with forestry (forest biotic agents) or fisheries, projects dealing with food waste potential. Also, projects like agriculture 4.0 projects, community-based agroalimentary approaches (eg recovering local seeds), DIY hydroponic technologies, etc.
21	SDG 3 - Health and well-being	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg3	Value = 1 for all projects dealing with biodiversity conservation that have clear links to health or well-being, or for projects investigating changes in factors influencing health (e.g. atmospheric allergens) Value = 2 for all projects improving recreation or tourism experience (human health), air quality, water quality (sanitation), noise reduction
22	SDG 4 - Education	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg4	Value = 1 for ALL citizen science projects, because any citizen scientist is both learning under formal or informal training and being educated by others (professional scientists, peers, etc), but education is rarely the direct project goal. Value = 2 for projects specifically stating an education goal (regardless of target audience) and beyond simple awareness-raising.
23	SDG 5 - Gender equality	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg5	Value = 1 stated goal is gender equality Value =2 for projects with explicit mention of gender equality concerns
24	SDG 6 - Water availability and sustainable management	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg6	Value = 1 for all projects dealing with climate adaptation measures (flood management, soil water retention), sustainable agriculture (reduced water pollution, improved soil water retention), or reporting of environmental damage, including water pollution or wetland destruction. Value = 2 for all projects dealing with water quality, water monitoring
25	SDG 7 - Energy affordable, reliable, sustainable	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg7	Value = 1 for projects dealing with efficient use of resources, sustainable consumption and production with links to the energy sector. Value = 2 for all projects dealing with transport and energy use. Projects that could fit are: DIY energy management systems and communities (eg SomEnergia in Spain).
26	SDG 8 - Sustainable economic growth and employment	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg8	Value = 1 citizen science projects that have the potential to transfer technical skills or DIY skills Value = 2 in case social employment, business development, social integration or Sustainable consumption and production are stated project goals.

27	SDG 9 - Resilient infrastructure, innovation	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg9	Value = 1 all other projects, because one of the key elements of citizen science projects is the re-use of existing volunteer-based equipment such as smartphones or desktop computers that compose a distributed infrastructure for research. Value = 2 in projects addressed to empower communities through co-creation of technologies, all DIY projects, maker spaces, fablabs. Any project with urban or industrial development dimension, as well as projects creating research infrastructures (e.g. mapping or network of national databases)
28	SDG 10 - Reduce inequality	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg10	Value = 1 all other citizen science projects with a stated economic or social dimension Value = 2 for projects specifically targetting economic, fiscal or social inclusion/skills development in the professional sector
29	SDG 11 - Sustainable, resilient cities/settlements	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg11	Value = 1 for all projects that also include urban areas (e.g. large scale monitoring projects), and improve environmental status or social inclusiveness, e.g. projects focused on drinking water access and management. Value = 2 for all projects focused on improving urban environmental sustainability, e.g. projects focused on nature-based solutions
30	SDG 12 - Sustainable consumption and production	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg12	Value = 1 projects related with, co-creation of technologies, all DIY projects, maker spaces, fablabs Value = 2 for projects dealing with sustainable food chains or industry (including addressing pollution impacts), waste management (food, household), green labelling, consumption patterns, eco-efficiency
31	SDG 13 - Action to combat climate change and its impacts	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg13	Value = 1 All air projects, and marine, biodiversity projects, natural disasters projects that state a link to climate change. Value = 2 for projects with stated goal to combat climate change, help with climate adaptation or mitigation (monitoring air quality, climatic conditions, coastlines).
32	SDG 14 - Marine conservation and sustainable development	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg14	Value = 1 for freshwater projects, waste projects that may have effluents in the sea; (sea)food consumption patterns Value = 2 for all marine projects (incl. marine litter)
33	SDG 15 - Terrestrial biodiversity conservation, sustainable forest management and land use management	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg15	Value = 1 for ALL other terrestrial (and freshwater) projects, and for projects promoting changes in land use patterns (e.g. in agricultural practices). Value = 2 stated goal to contribute to biodiversity, nature and landscapes, land projects
34	SDG 16 - Peace, justice for all	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg16	Value = 1 for all projects, because they promote a participatory approach and support public access to information Value = 2 specific stated goal related to environmental justice
35	SDG 17 - Strengthen Global Partnership for Sustainable Development	Category (3)	0 - No impact 1 - Indirect impact 2 - Direct impact	sdg17	Value 1 = all projects that share data AND the data can be globally aggregated (contribute to data monitoring and accountability) Value 2 = all projects with multi-national AND cross-sectoral partnerships (promote public-private-civil society partnerships) AND direct impact on at least one of the other SDGs

36	Source	Category (3)	Original EC Study, EUSurvey, Irish EPA	source	Source of the project description record, i.e. how this description became available. The list of possible answer options (currently including "Original EC Study", "EUSurvey" and "Irish EPA") can be extended if new sources become available.
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