

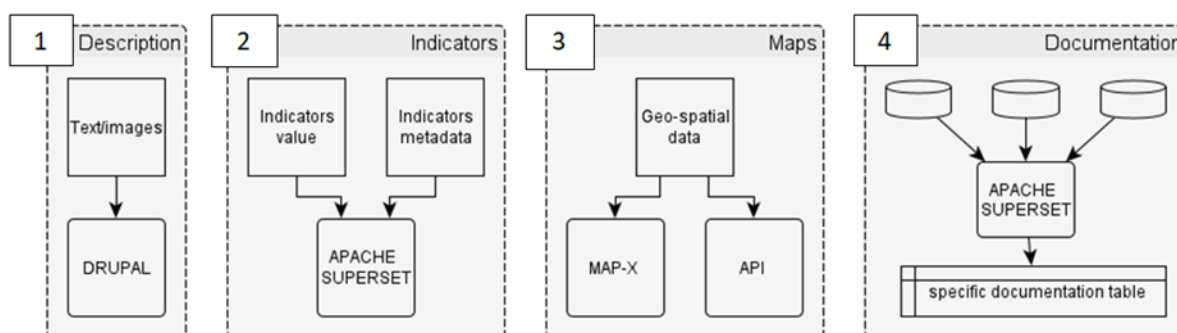
Draft documentation – UNEP-CEDARE Data Portal on NES and CCAs (not for sharing)

Aimed at developing a user-oriented NES/CCA country tailored platform (TP). Future developments will seek to improve the whole process, by developing new tools that will simplify the uploading and updating of content by the user.

Workflow for content supply

Content/input type

1. Description: text/images
2. Indicators: country specific statistical/tabular data
3. Maps: country specific geospatial data
4. Documentation: online specific documentation (report, research, project...)



1. DESCRIPTION

NES/CCA platform

Production instance Link (TBC): https://cedarekmp.net/cca5/reporting/web/index.html Status: Production Login access (TBC): https://cedarekmp.net/cca5/reporting/web/index.html ONLY ACCESSIBLE FOR CEDARE AND UNEP TEAMS	Staging instance Link (TBC) : https://cedarekmp.net/cca5/reporting/web/index.html Status: Staging Login access (TBC): https://cedarekmp.net/cca5/reporting/web/index.html ACCESSIBLE FOR AIEN/COUNTRY FOCAL POINT, UNEP AND CEDARE TEAMS
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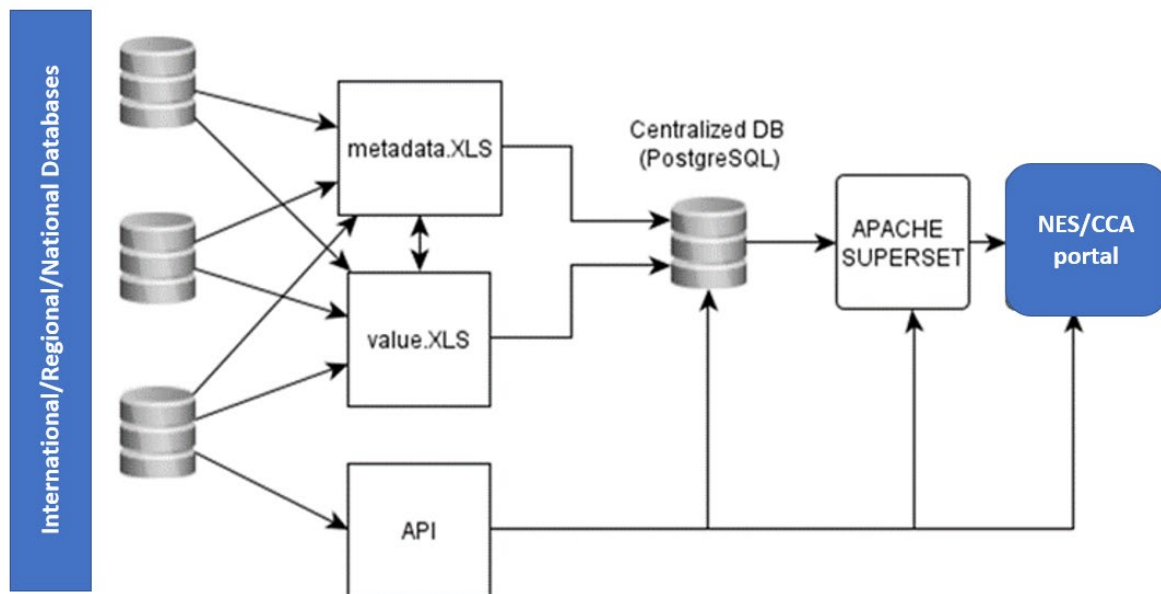
Text/images (DRUPAL)

Text and images are uploaded on CCA/NES portal Drupal platform (free and open-source content-management framework).

2. INDICATORS

Country tailored INDICATORS workflow.

Country specific indicators are gathered by focal points of Africa Environment Information Network, UNEP, and CEDARE, and formatted into 2 excel files according to the following templates.



Input tables

Input tables (indicators metadata and indicators values) are managed and administered by the regional data manager.

It is recommended to work on **a single file containing all countries** for which the data manager is responsible (could be an entire region).

Indicators metadata

Fields

Field_name	Mandatory	Sources	Definition	Format
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resource_type	yes	reference table	Define if the resource is an indicator or a document and which type of document	TEXT/VARCHAR
iso3c_code	yes	reference table	ISO 3 country code + custom code (more than 3 digits) used exclusively for regional aggregations (ex. MCCA)	TEXT/VARCHAR
resource_scope	yes	reference table	indicate if the indicator is based on national data which does not allow comparison with other countries (National) or is possible to make comparisons on a regional scale (LAC) or comes from global data	TEXT/VARCHAR
resource_id	yes	free text	Unique identifier per indicator (number or text allowed) NB avoid nulls and duplicates NB if you have exactly the same indicator for two different countries, you can use the same id	INTEGER
indicator_core	yes	reference table	Is an essential indicator? If yes it will be included as custom (standard visualization)	TEXT/VARCHAR
resource_name	yes	free text	The original title	TEXT/VARCHAR
resource_name_label	no	free text	Title as exposed on the visualizations (in case the name of the indicator is too long...)	TEXT/VARCHAR
resource_def	yes	free text	The abstract at indicator's level	TEXT/VARCHAR
source	yes	free text	who made the information? (provider and source can be the same)	TEXT/VARCHAR
provider	yes	free text	who provide de information? (provider and source can be the same)	TEXT/VARCHAR
link	yes	URL (free text)	URL of the provider platform -> generic link to access information about indicator	TEXT/VARCHAR
access_link	yes	URL (free text)	URL of the resource: it must be "the download link /access to data " or link to API/OGC webservice	TEXT/VARCHAR

general_topic	yes	reference table	Thesaurus compiled by Grid GVA: it includes among other WESR and WESR-CCA mains topics as well EC-ICF pillars...	TEXT/VARCHAR
keywords_gemet	yes	reference table	The Gemet theme from thesaurus: https://www.eionet.europa.eu/gemet/en/themes/	TEXT/VARCHAR
keywords_free	yes	free text	No more than 4 words, separated by commas	TEXT/VARCHAR
dpsir	yes	reference table	DPSIR framework	TEXT/VARCHAR
sdg_goal	yes	reference table	SDG goal	TEXT/VARCHAR
sdg_target	no	reference table	SDG target (code of... -> for definition refers to the reference table)	TEXT/VARCHAR
temporal_extent	yes	free text	time interval (start date - end date) referred to the indicator	TEXT/VARCHAR
measure_unit	yes	free text	Measure unit	TEXT/VARCHAR
spatial_res	yes	reference table	is national or sub-national?	TEXT/VARCHAR
license	yes	free text	If known the name of the License (ex CCA) otherwise if custom license reports the conditions of use and (Re)-distribution	TEXT/VARCHAR
metadata_maintenance_ref	yes	reference table	id of people in charge of metadata (see reference table)	FLOAT
date_modified	yes	free text	date of your update	TEXT/VARCHAR
publication_date	yes	free text	data of publication of the resource (from the provider)	TEXT/VARCHAR
viz_type	yes	reference table	indicates if it is a graph and which type or if it is a map	TEXT/VARCHAR
link_type	yes	reference table	URL distribution type: API, WMS, ZIP...	TEXT/VARCHAR

provider_platform_tech	Yes	free text	If Known, It provides an information about the technology used by provider in order to serve the data (exemple CKAN, Geonode, MapServer, Geoportal etc)	TEXT/VARCHAR
your_notes	no	free text	Your comments / suggestions if any... They will be not published (internal use only)	TEXT/VARCHAR
sdg_goal_short				TEXT/VARCHAR
indicator_isoid				TEXT/VARCHAR
name_link				TEXT/VARCHAR
direct_link				TEXT/VARCHAR

Reference tables

resource_type
Action Plan/Strategy
Brochures and infographics
Legislation/Policy
Meeting documents
Other
Profile/Summary
Project
Report
Technical studies and research
resource_scope
National
Regional
Global
dpsir
Drivers
Pressures
States

Impacts
Responses
Not applicable
viz_type
Chart -line
Chart -one number
Chart-area
Chart-bar
Chart-generic
Chart-pie
Embedded (iframe)
Map-raster
Map-vector
Link to source
Other
Table
link_type
API
OGC-WMS
OGC-WFS
OGC-WCS
SHP
TIF
CSV and/or XLSX
XLSX
GEOJSON
JSON
KLM
ESRI map
OTHER

NOT SET
PDF
DOC
TEXT
WEB PLATFORM
ZIP

sdg_goal
Goal 1. End poverty in all its forms everywhere
Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture
Goal 3. Ensure healthy lives and promote well-being for all at all ages
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
Goal 5. Achieve gender equality and empower all women and girls
Goal 6. Ensure availability and sustainable management of water and sanitation for all
Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all
Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
Goal 10. Reduce inequality within and among countries
Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable
Goal 12. Ensure sustainable consumption and production patterns
Goal 13. Take urgent action to combat climate change and its impacts
Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development
Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

*n.b. for **sdg_target** reference table please check excel file template (~170 targets)*

general_topic
Air
Biodiversity
Chemicals and waste
Climate Change
Conflicts
Displacement and Migration
Economy and Population
Education
Energy
Environmental rights and governance
Food Security, Agriculture
Forest
Green Economy
Indigenous knowledge
Infrastructure
Land
Oceans and Seas
Pollution
Political Stability
Public Health
Regional & Global influences (incl. MEAs)
Resource efficiency
Risk
Social Cohesion, equity and non-discrimination
Sustainable Consumption and Production
Sustainable Finance
Technology
Transport

Water

keywords_gemet
administration
agriculture
air
animal husbandry
biology
building
chemistry
climate
disasters, accidents, risk
economics
energy
environmental policy
fishery
food, drinking water
forestry
general
geography
human health
industry
information
legislation
materials
military aspects
natural areas, landscape, ecosystems
natural dynamics

noise, vibrations
physics
pollution
radiations
research
resources
social aspects, population
soil
space
tourism
trade, services
transport
urban environment, urban stress
waste
water

Indicators values

- One file per region (or list of countries for which the data manager is responsible)
- Shared on OWNCLOUD

Fields

Fields could be regrouped according following categories:

		A			B			C			D			E			F			G			H			I			J			K			L			M			N			O			P			Q			R			S			T			U			V		
pid	code_iso3	country_name	subreg_name	region_name	indicator_pid	indicator_name	indicator_name_label	date_text	date_start	date_end	filter_1_value	filter_2_def	filter_2_value	filter_3_def	indicator_value_unit	max_val	data_vis	visual	indicator_period																																																
32	ARE	United Arab Emirates	Western Asia	Asia	14	Sectoral water use (percent)	Sectoral water use (percent)	2019	01/01/2019		industrial	sector			10.00	percent		pie chart	ARE 14																																																
32	ARE	United Arab Emirates	Western Asia	Asia	14	Sectoral water use (percent)	Sectoral water use (percent)	2019	01/01/2019		municipal	sector			22.00	percent		pie chart	ARE 14																																																
30	ARE	United Arab Emirates	Western Asia	Asia	14	Sectoral water use (percent)	Sectoral water use (percent)	2015	01/01/2015		agriculture	sector			68.00	percent		pie chart	ARE 14																																																
28	SAU	Saudi Arabia	Western Asia	Asia	14	Sectoral water use (percent)	Sectoral water use (percent)	2015	01/01/2015		industrial	sector			4.00	percent		pie chart	SAU 14																																																
28	SAU	Saudi Arabia	Western Asia	Asia	14	Sectoral water use (percent)	Sectoral water use (percent)	2015	01/01/2015		municipal	sector			11.00	percent		pie chart	SAU 14																																																

Category	Field	Description	Type
Identification	pid	unique ID (indicator as a unique value)	INTEGER
	Indicator_uid	ID related to the group of indicators used in a visualization (chart, table, map)	INTEGER
	Indicator_isouid	ID related to the group of indicators used in a visualization for a specific country	VARCHAR
Geography	code_iso3		VARCHAR

	country_name		VARCHAR
	subreg_name		VARCHAR
	regions_name		VARCHAR
Filters-visuals	filter_1_value		VARCHAR
	filter_1_def		VARCHAR
	filter_2_value		VARCHAR
	filter_2_def		VARCHAR
	visual	type of chart to create in Apache Superset (pie chart, trend line, bar chart...)	VARCHAR
Time	date_text		VARCHAR
	date_start	yyyy-mm-dd	DATE
	date_end		DATE
	date_modified		DATE
	<i>f</i> (date_month)	EXTRACT (MONTH from date_start)	INTEGER
Categories	indicator_name		VARCHAR
	indicator_name_label		VARCHAR
Values	indicator_value		REAL
	unit		VARCHAR
	pop		REAL
	gdp		REAL

Files sharing

For an efficient collaborative work, **a new system of file sharing must be found.**

To evaluate:

- kDrive (<https://www.infomaniak.com/fr/kdrive>)
- Box (business plan built-in integrations with Slack, Microsoft 365...)
- Citrix ShareFile
- Dropbox
- <https://bit.ai/>

3. GEOSPATIAL DATA

Geospatial data are to be exposed into NES/CCA platform through MapX platform and/or API.

4. DOCUMENTATION

This will cover any relevant publications and knowledge products that have been officially approved, including through UNEP and/or CEDARE channels.