IRIS

Indicator Reporting Information System

Monitoring, data and indicators

Final Workshop on Environment Statistics for the East African Community - Arusha, Tanzania, 23-27 October 2017

Erick Litswa, IRIS Deployment Manager, Science Division, UN Environment
Capacity Building for Indicator Reporting Information System (IRIS), 23th of October 2017

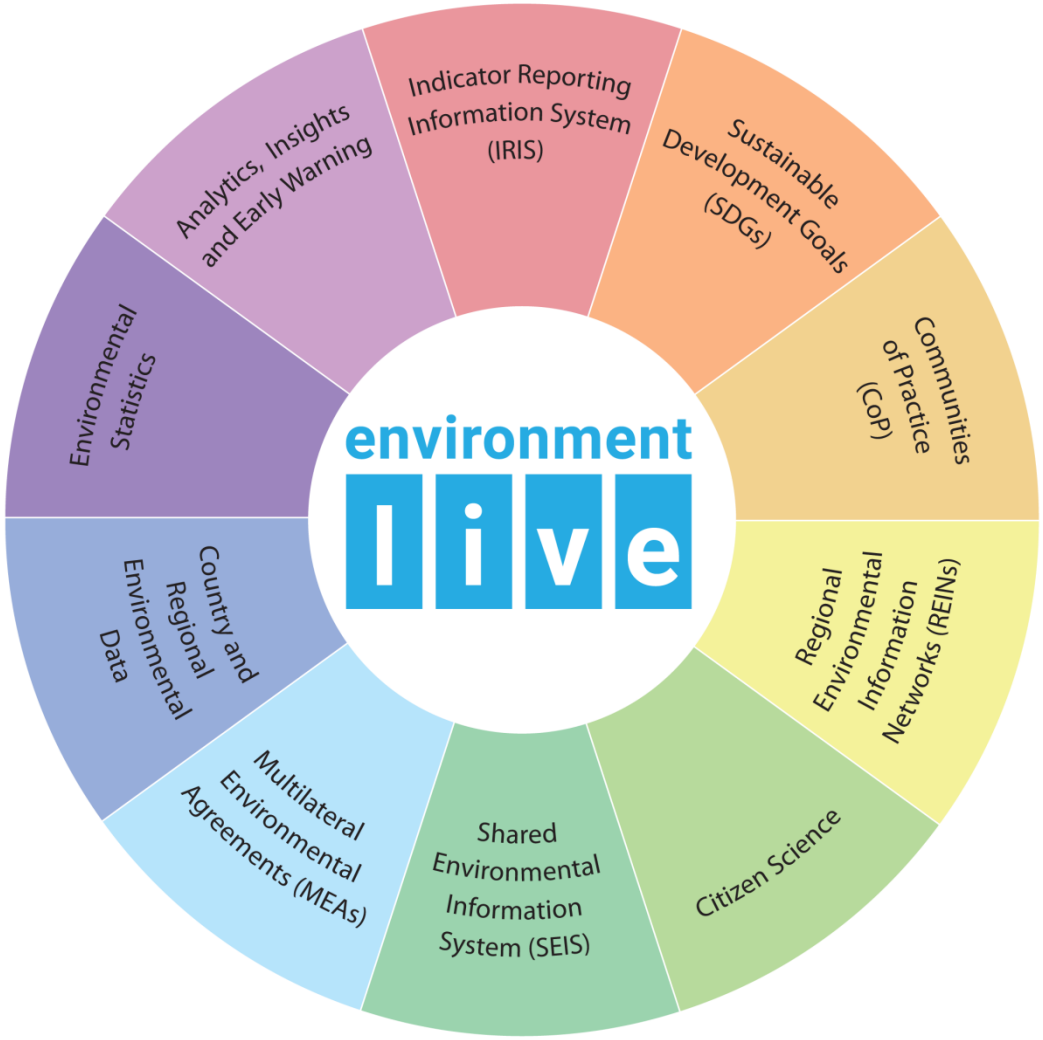
"4. The availability of high-quality, timely and disaggregated data is vital for evidence-based decision-making and to ensure accountability for implementation of the 2030 Agenda..."

—Report of the Secretary-General, Progress towards the Sustainable Development Goals, 2017

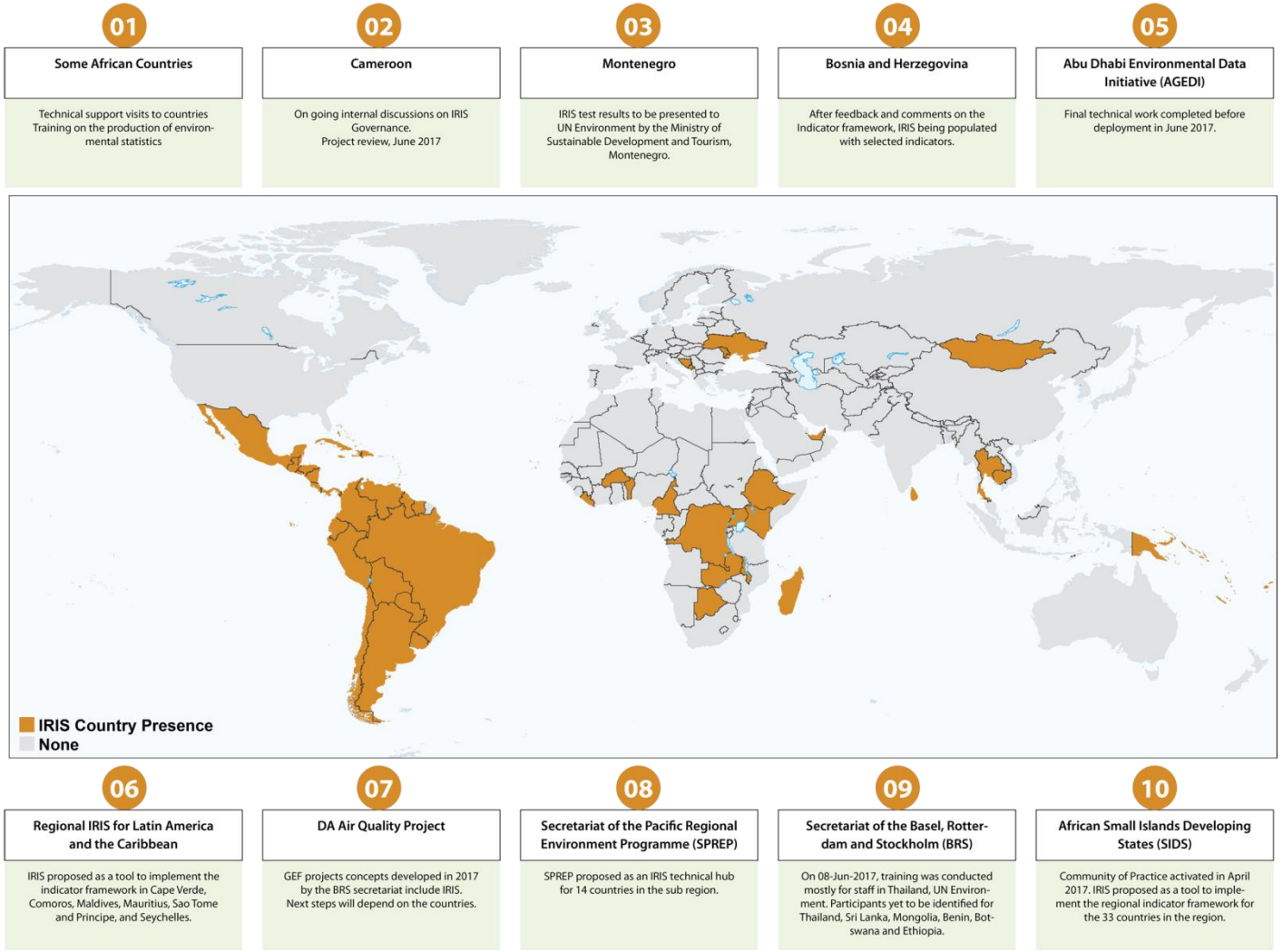
Presentation Format

- Introduction
- Data Challenge
- UN Environment's Response
- Demo
- Technical Road Map

Environment Live - a HUB connecting to worldwide data on the environment

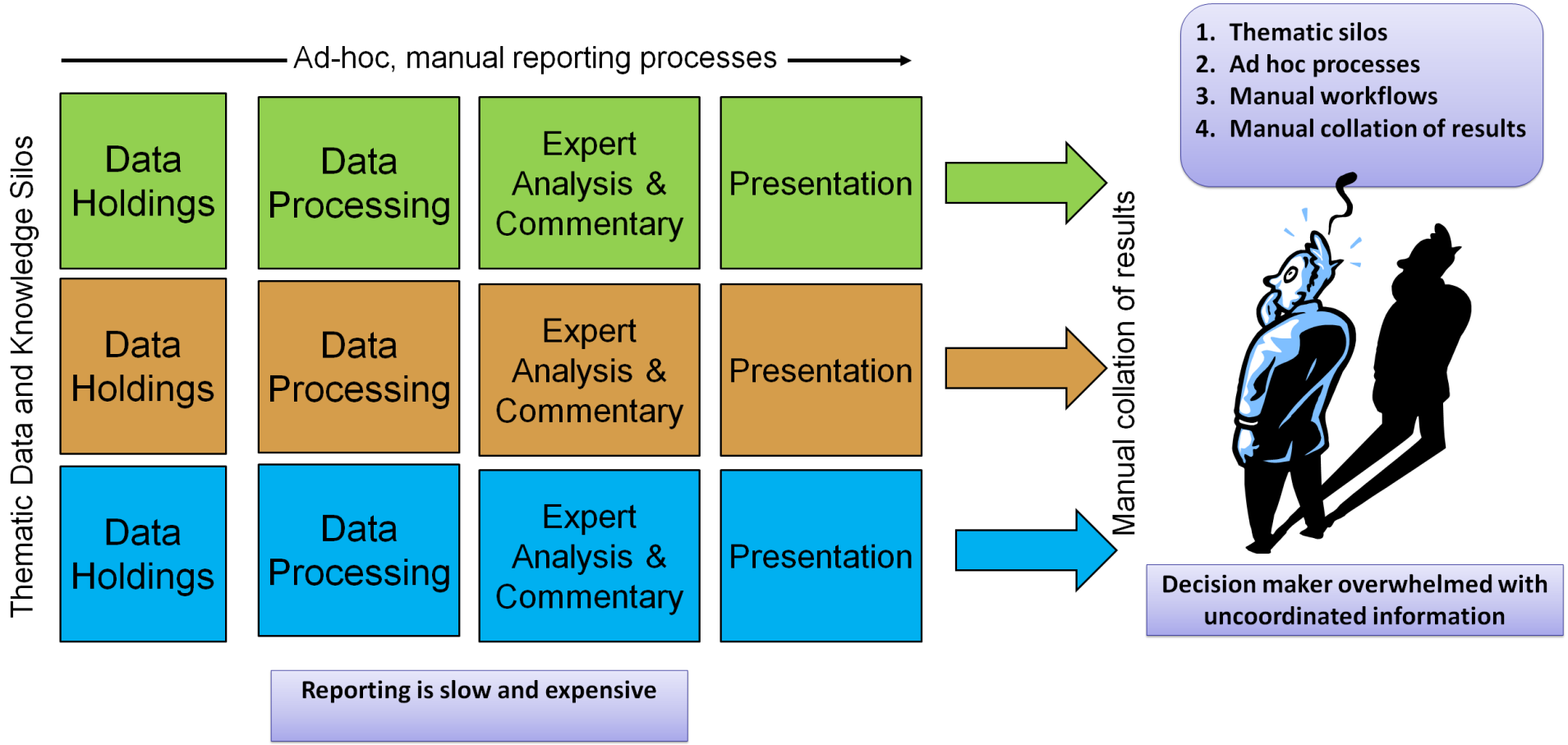


Worldwide Projects and Countries having an IRIS component



Data Challenge

What is the challenge?



UN Environment's Response

Where can you find data online?

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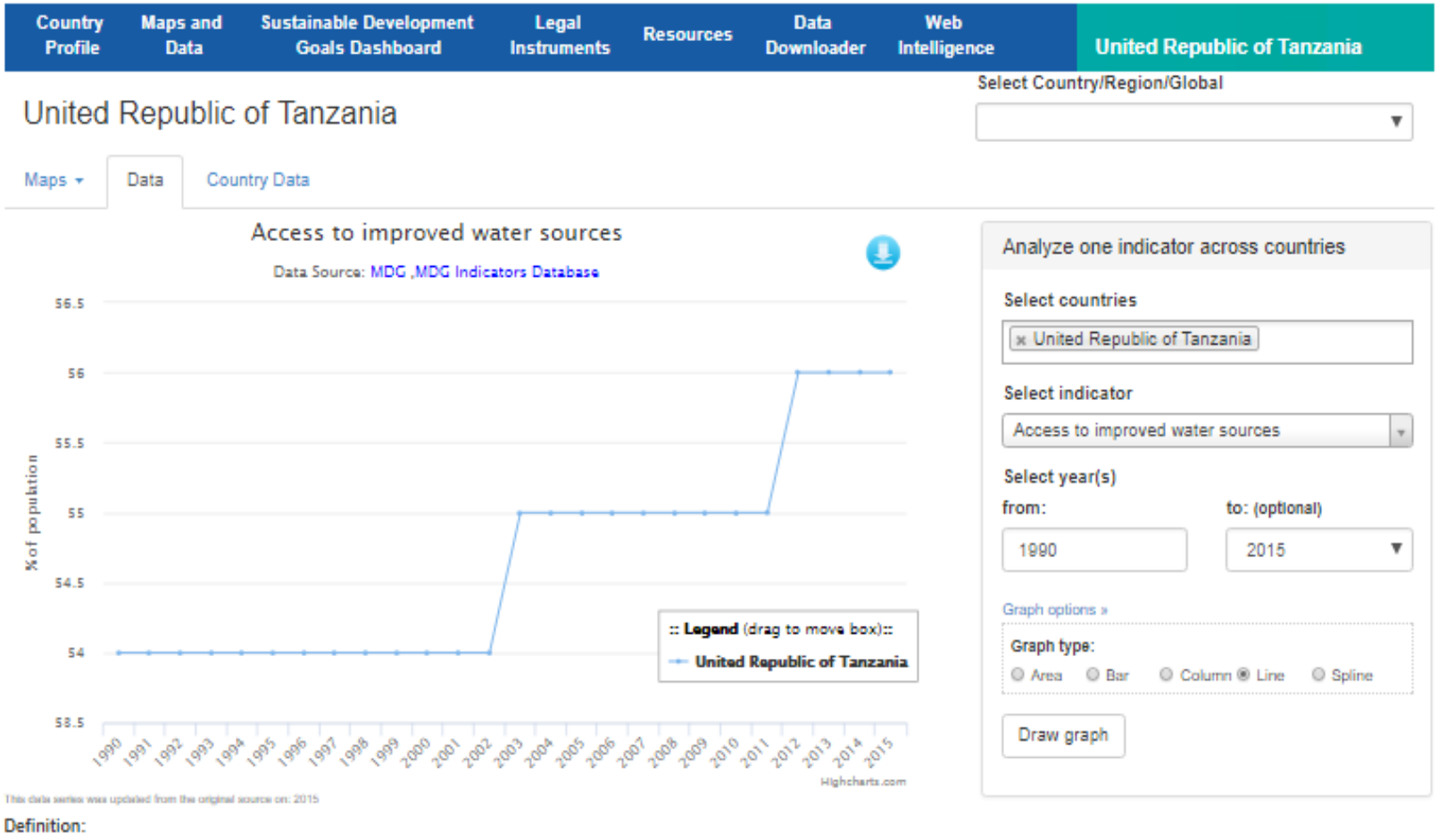
What data can you find on Environment Live about a selected Country?

You will...

1. Select "Global, Country and Regions Impact"
2. Select a country [Tanzania, Uganda, Kenya, Rwanda, Burundi, South Sudan, etc.]
3. Select "Data and Maps" Picture
4. Select Data Tab

What data can you find on Environment Live about a selected Country?



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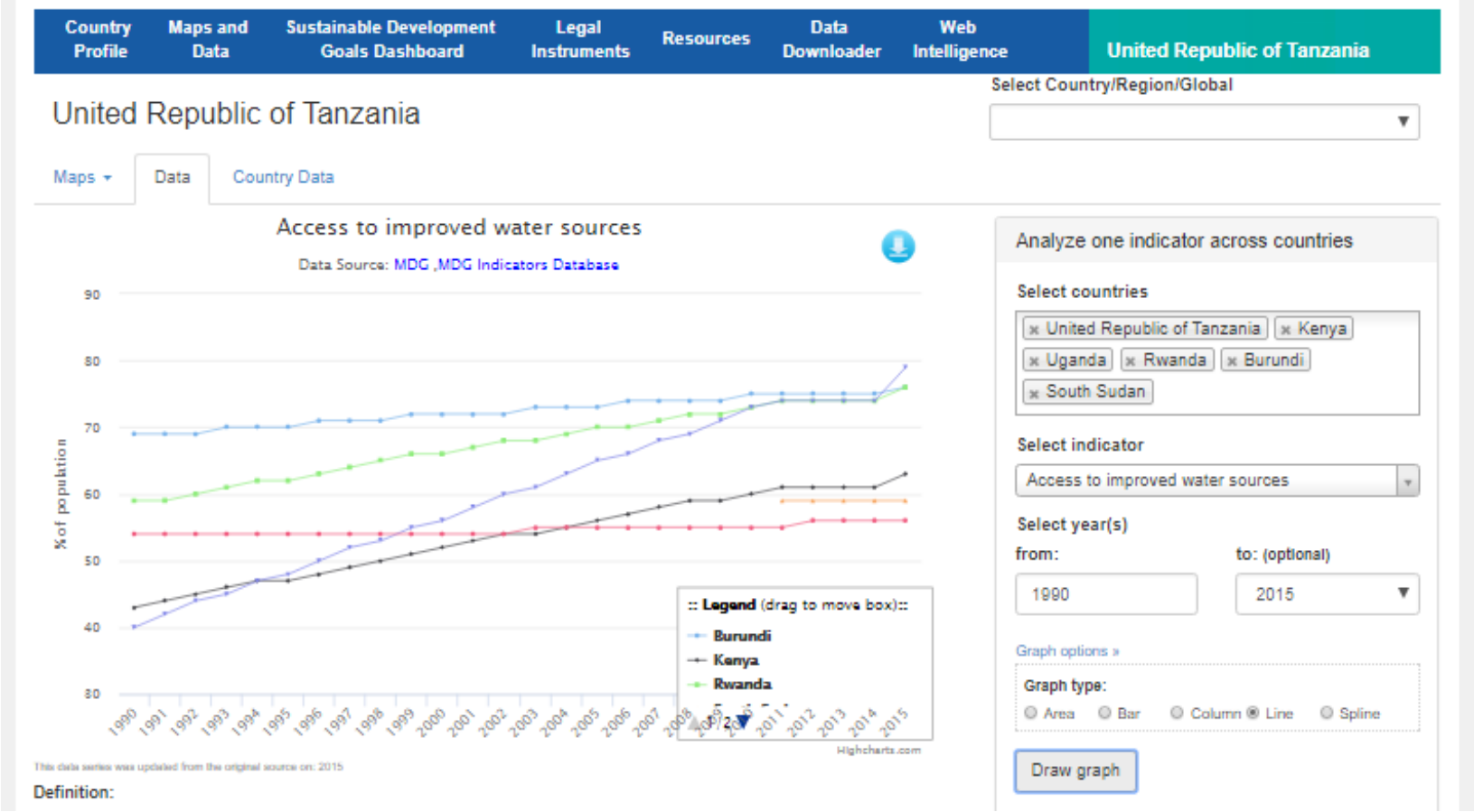
How does the selected country compare with others on the selected indicator?

You will...

1. Select countries required
2. Select "Draw Graph"

How does the selected country compare with others on the selected indicator?



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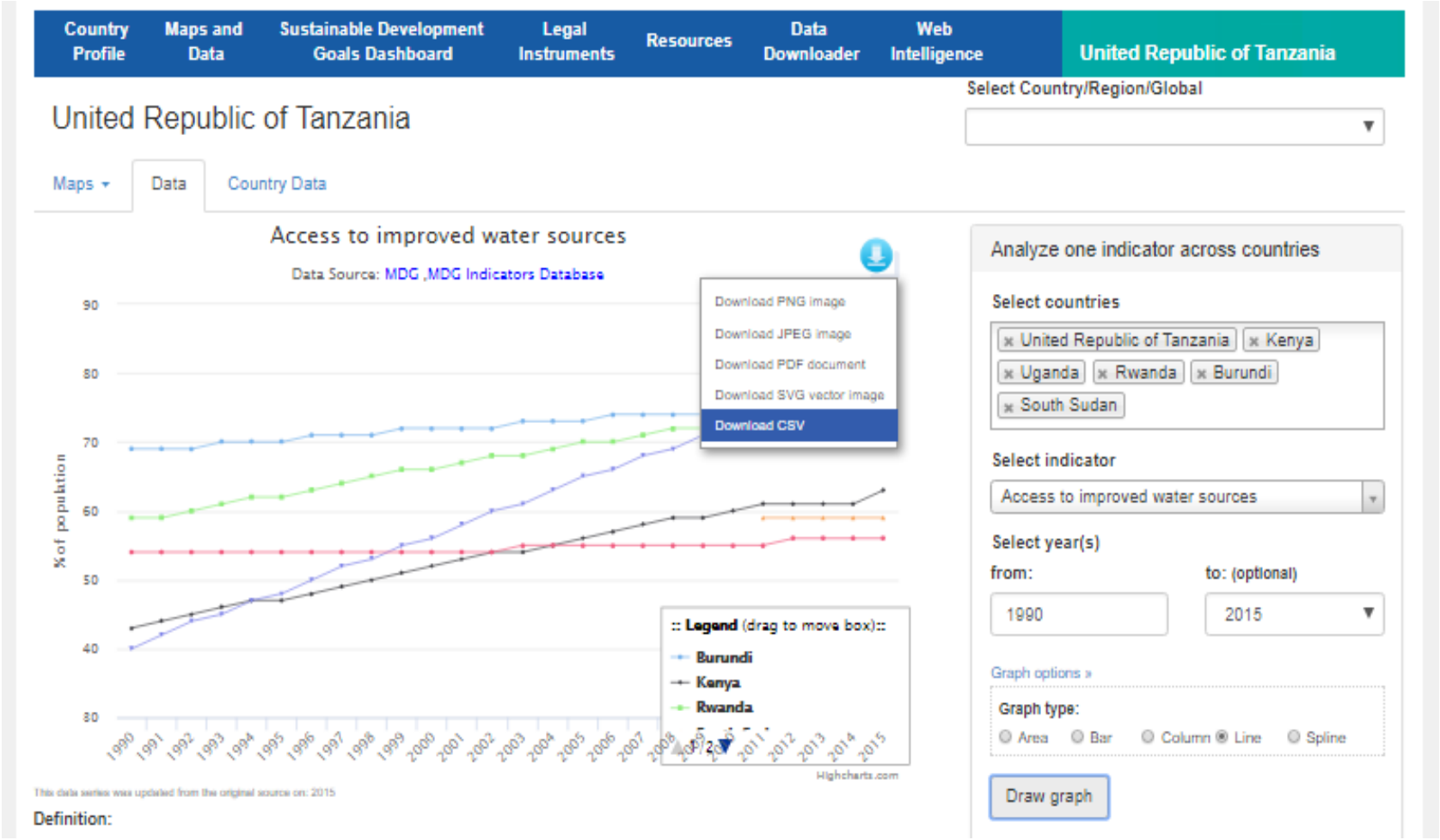
How do i get that data?

You will...

1. Select Download Icon
2. Select appropriate format
3. Provide appropriate name and path
4. Select save
5. Open the file

How do i get that data?



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How do i get that data?

A	B	C	D	E	F	G	H	I
	Burundi	Kenya	Rwanda	South Sud	Uganda	United Republic of Tanzania		
1990	69	43	59		40	54		
1991	69	44	59		42	54		
1992	69	45	60		44	54		
1993	70	46	61		45	54		
1994	70	47	62		47	54		
1995	70	47	62		48	54		
1996	71	48	63		50	54		
1997	71	49	64		52	54		
1998	71	50	65		53	54		
1999	72	51	66		55	54		
2000	72	52	66		56	54		
2001	72	53	67		58	54		
2002	72	54	68		60	54		
2003	73	54	68		61	55		
2004	73	55	69		63	55		
2005	73	56	70		65	55		
2006	74	57	70		66	55		
2007	74	58	71		68	55		

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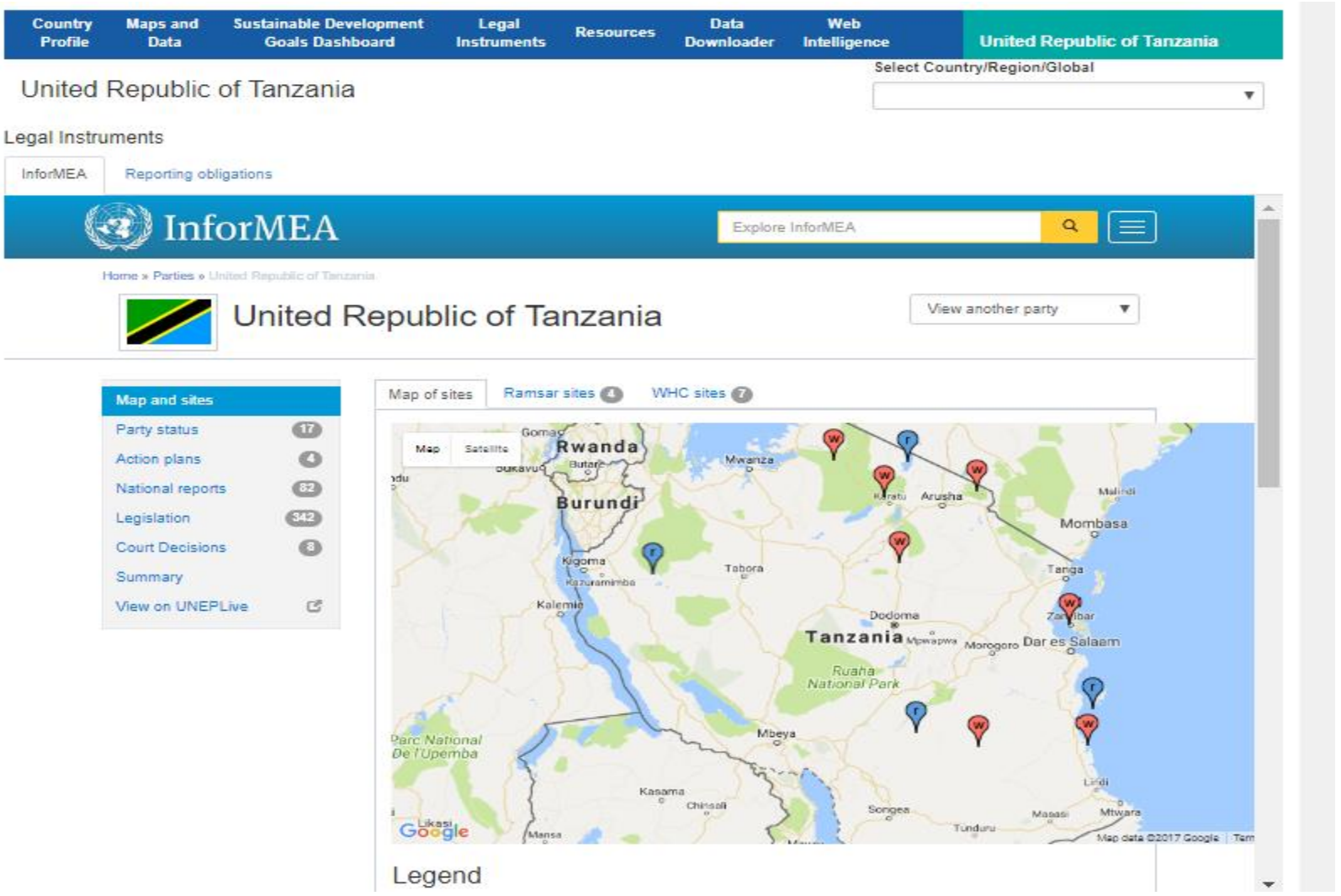
What types of data are available on Environment Live?

From the selected Country home page, you will...

1. Select "Legal Instruments "

What types of data are available on Environment Live?



What is reporting burden for the selected country?

From the selected Country home page, you will...

1. Select "Legal Instruments“
2. Select "Reporting Obligations" Tab“

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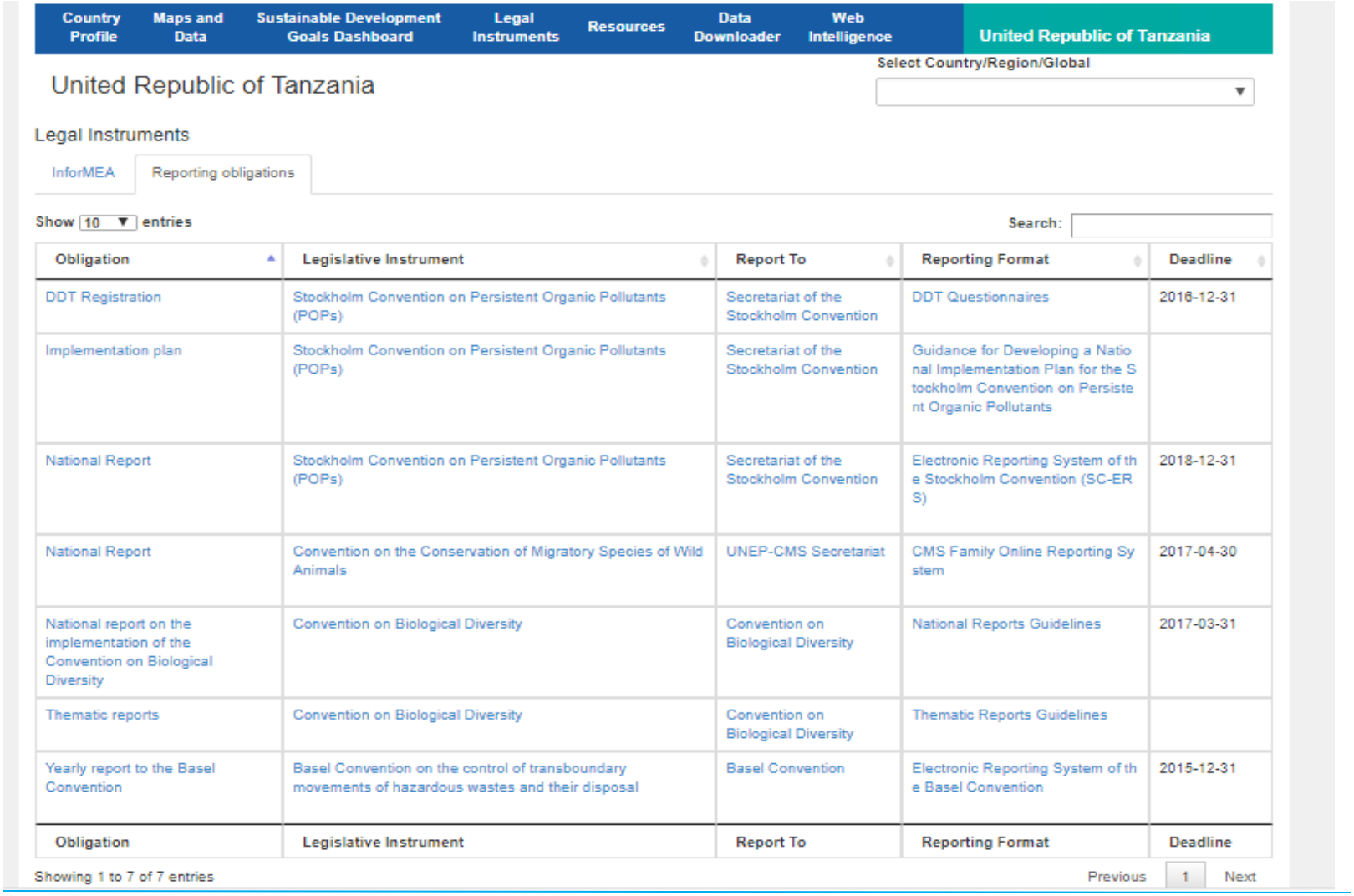
What is reporting burden for the selected country?



Country Profile | Maps and Data | Sustainable Development Goals Dashboard | Legal Instruments | Resources | Data Downloader | Web Intelligence | United Republic of Tanzania

Select Country/Region/Global

United Republic of Tanzania

Legal Instruments

InforMEA | Reporting obligations

Show 10 entries

Search:

Obligation	Legislative Instrument	Report To	Reporting Format	Deadline
DDT Registration	Stockholm Convention on Persistent Organic Pollutants (POPs)	Secretariat of the Stockholm Convention	DDT Questionnaires	2016-12-31
Implementation plan	Stockholm Convention on Persistent Organic Pollutants (POPs)	Secretariat of the Stockholm Convention	Guidance for Developing a National Implementation Plan for the Stockholm Convention on Persistent Organic Pollutants	
National Report	Stockholm Convention on Persistent Organic Pollutants (POPs)	Secretariat of the Stockholm Convention	Electronic Reporting System of the Stockholm Convention (SC-ERS)	2018-12-31
National Report	Convention on the Conservation of Migratory Species of Wild Animals	UNEP-CMS Secretariat	CMS Family Online Reporting System	2017-04-30
National report on the implementation of the Convention on Biological Diversity	Convention on Biological Diversity	Convention on Biological Diversity	National Reports Guidelines	2017-03-31
Thematic reports	Convention on Biological Diversity	Convention on Biological Diversity	Thematic Reports Guidelines	
Yearly report to the Basel Convention	Basel Convention on the control of transboundary movements of hazardous wastes and their disposal	Basel Convention	Electronic Reporting System of the Basel Convention	2015-12-31
Obligation	Legislative Instrument	Report To	Reporting Format	Deadline

Showing 1 to 7 of 7 entries

Previous 1 Next

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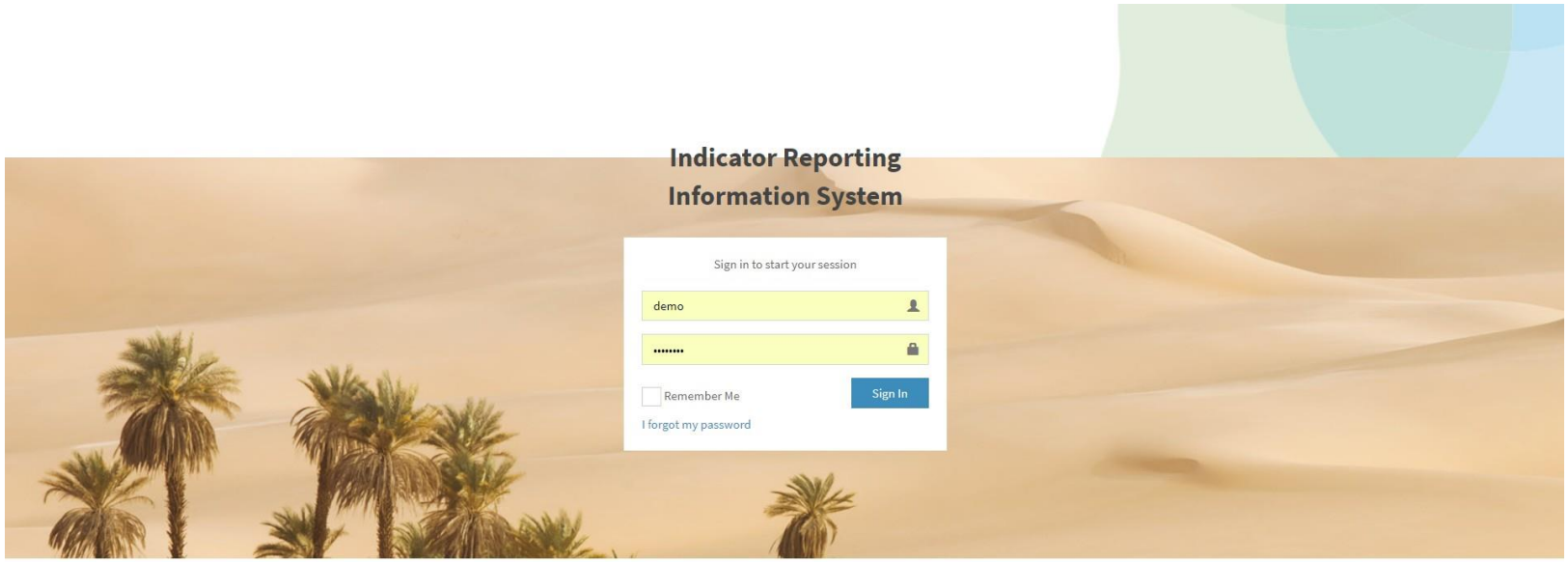
Demo

IRIS-Home



To request IRIS instance

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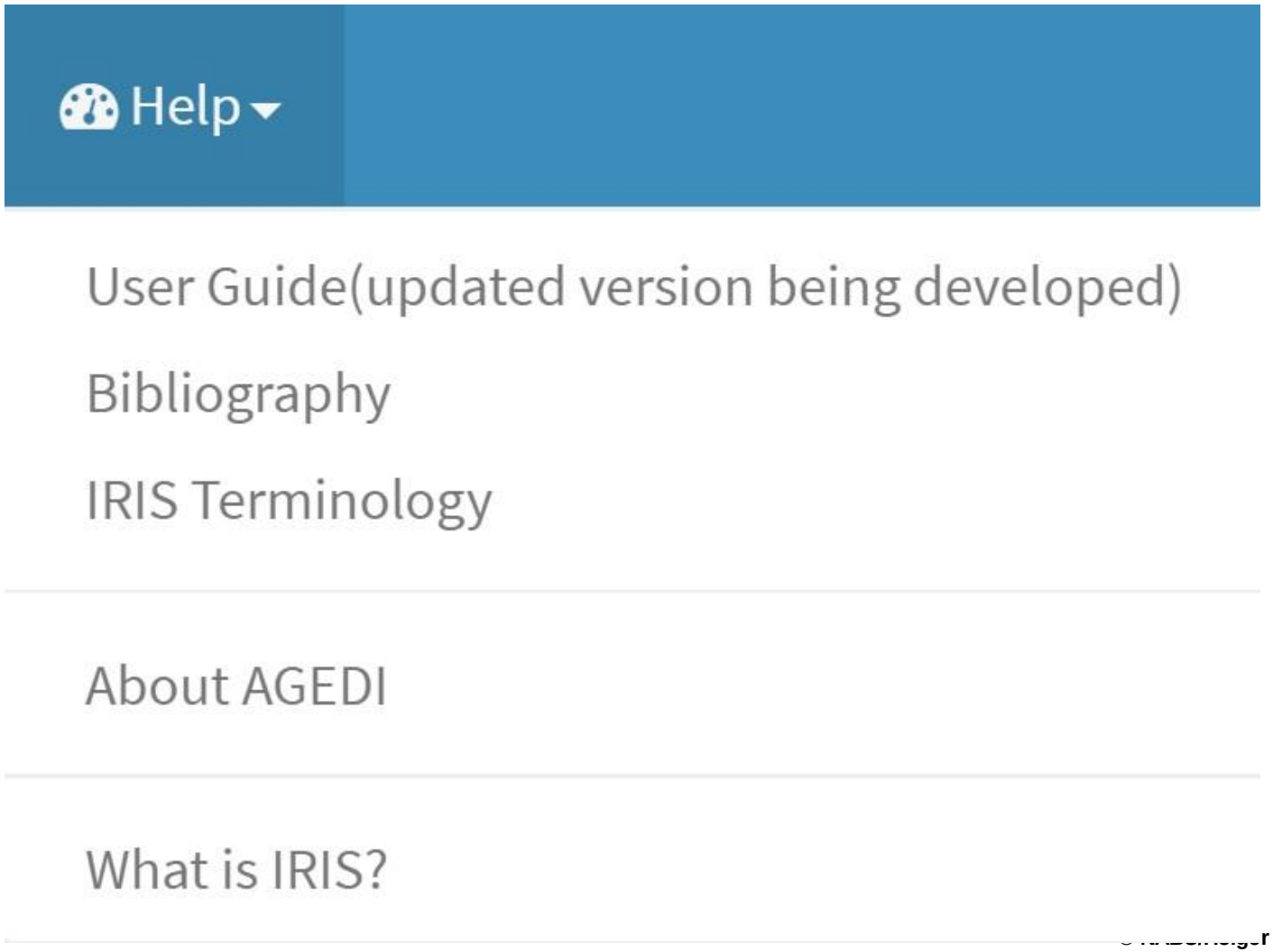
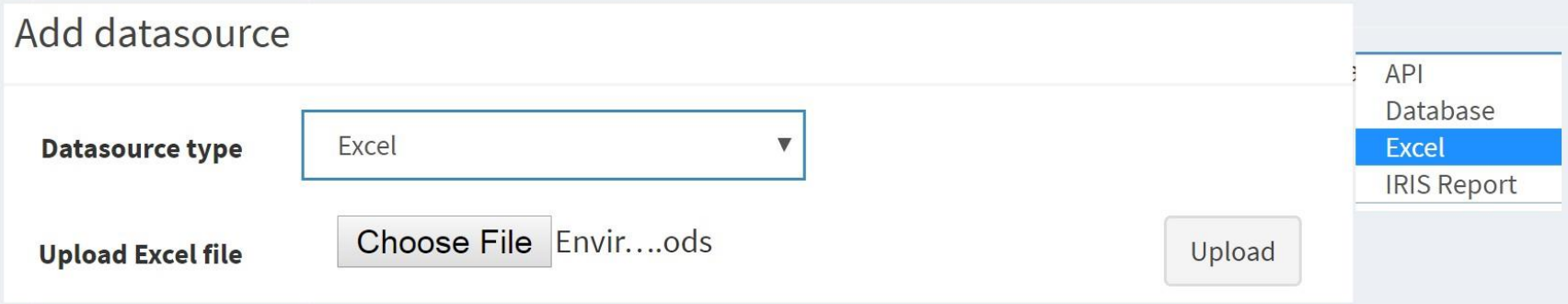
IRIS-Learning Resources



IRIS-Data Sources

Data Sources	Any type of data storage mechanism that can contain MULTIPLE tabular data structures. Examples include: Relational Database Management System (RDBMS) and Spreadsheet workbook. A Data source is linked to one or (usualy) many Data Sets.



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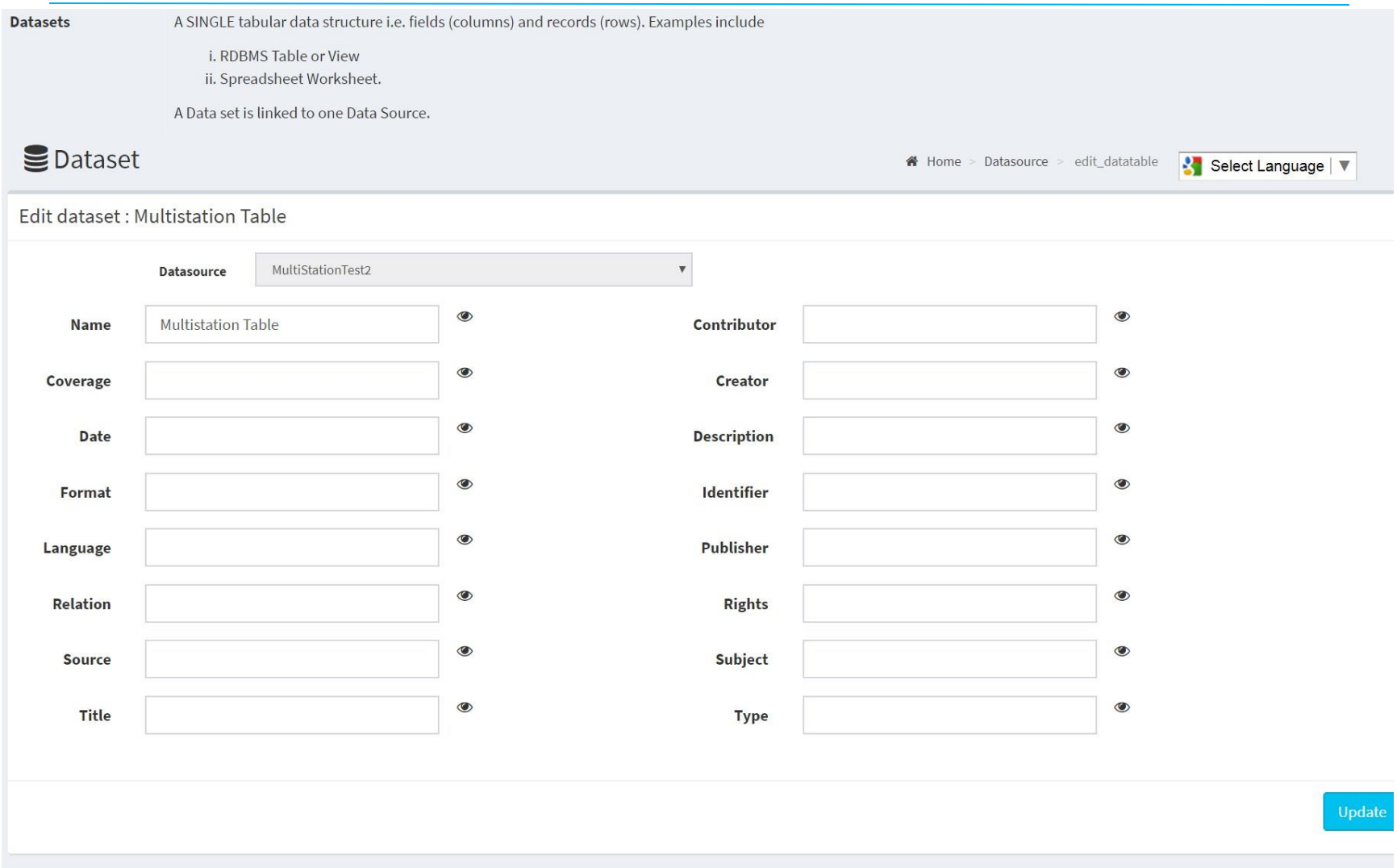
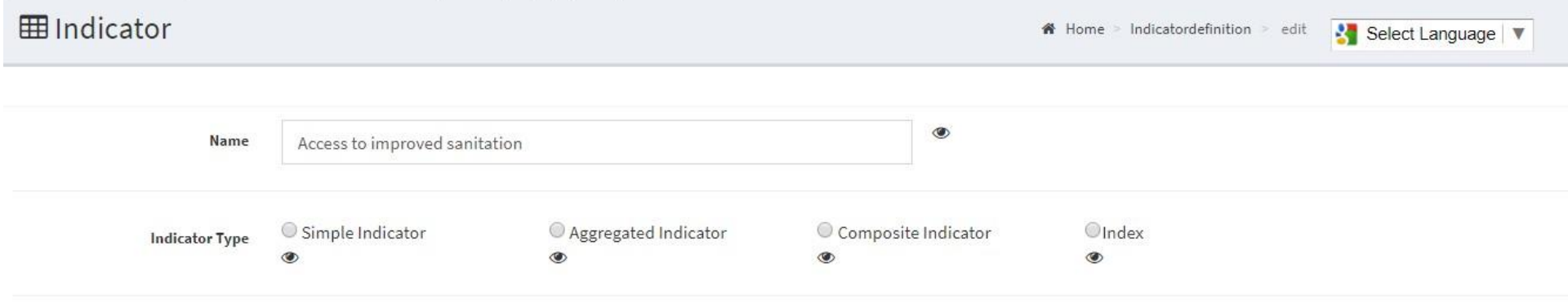
IRIS-Datasets



IRIS-Indicator 1/6

Index	A metric calculated from a set of aggregated or weighted parameters or indicators (modified from OECD 2003)
Indicator	A metric derived from (one or more) Parameters, which points to, provides information about, describes the state of a phenomenon/environment/area, with a significance extending beyond that directly associated with a parameter value (modified from OECD 2003)
Indicator Implementation	A methodological specification for 1. calculating the value and 2. visualising an Indicator Instance The Indicator Implementation also includes the specification of Supporting Information that the inform the subject matter expert's narrative for an Indicator Instance An Indicator Implementation comprises: 1. set of (one or more) Parameters and/or Statistics 2. calculation method (if any) used to calculate an Indicator Instance from the parameters 3. Specifies how an Indicator Instance is visualised One Indicator may be associated with more than one Indicator Implementation.
Indicator Instance	The value of an Indicator for a specified geography and period of time.



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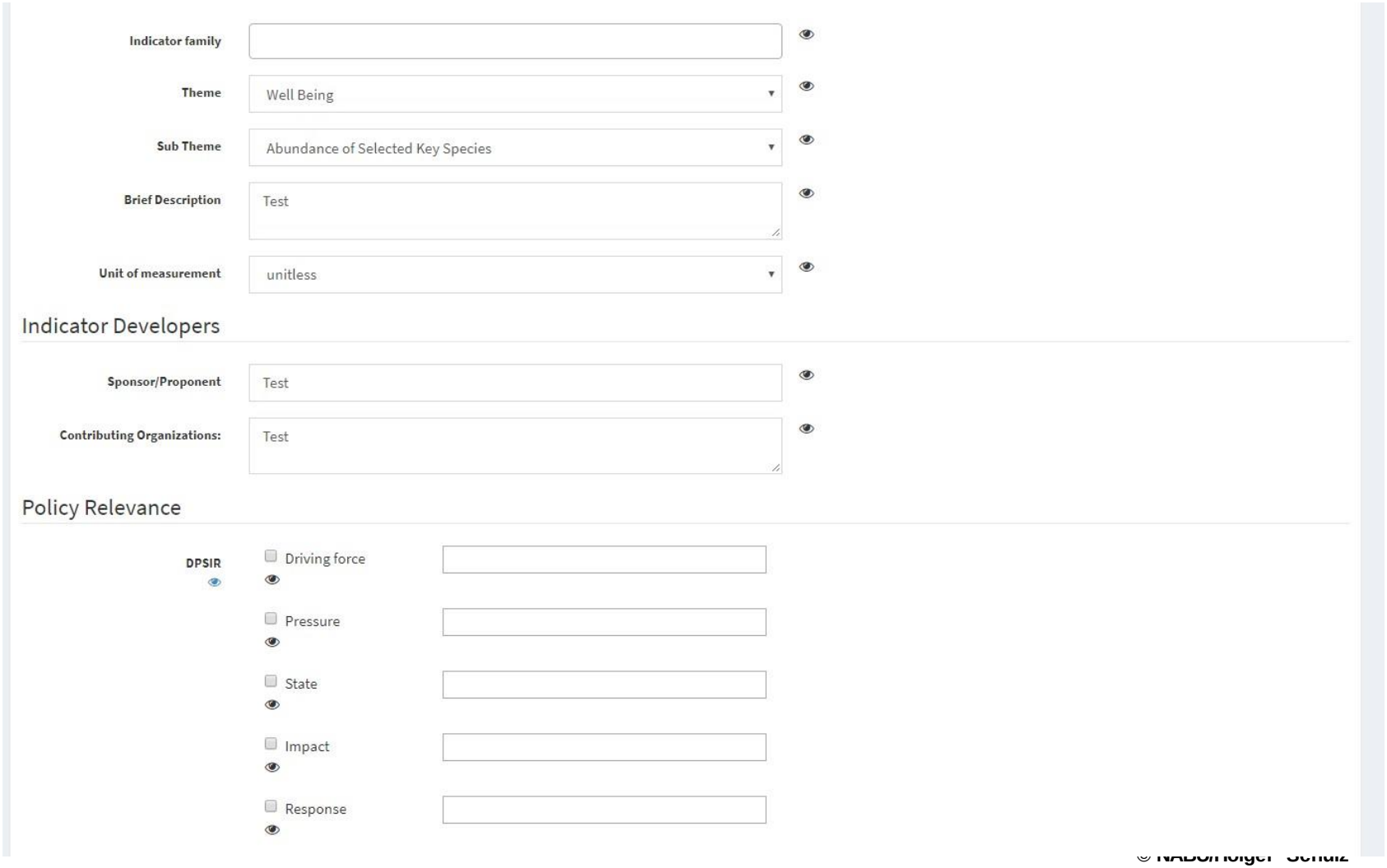
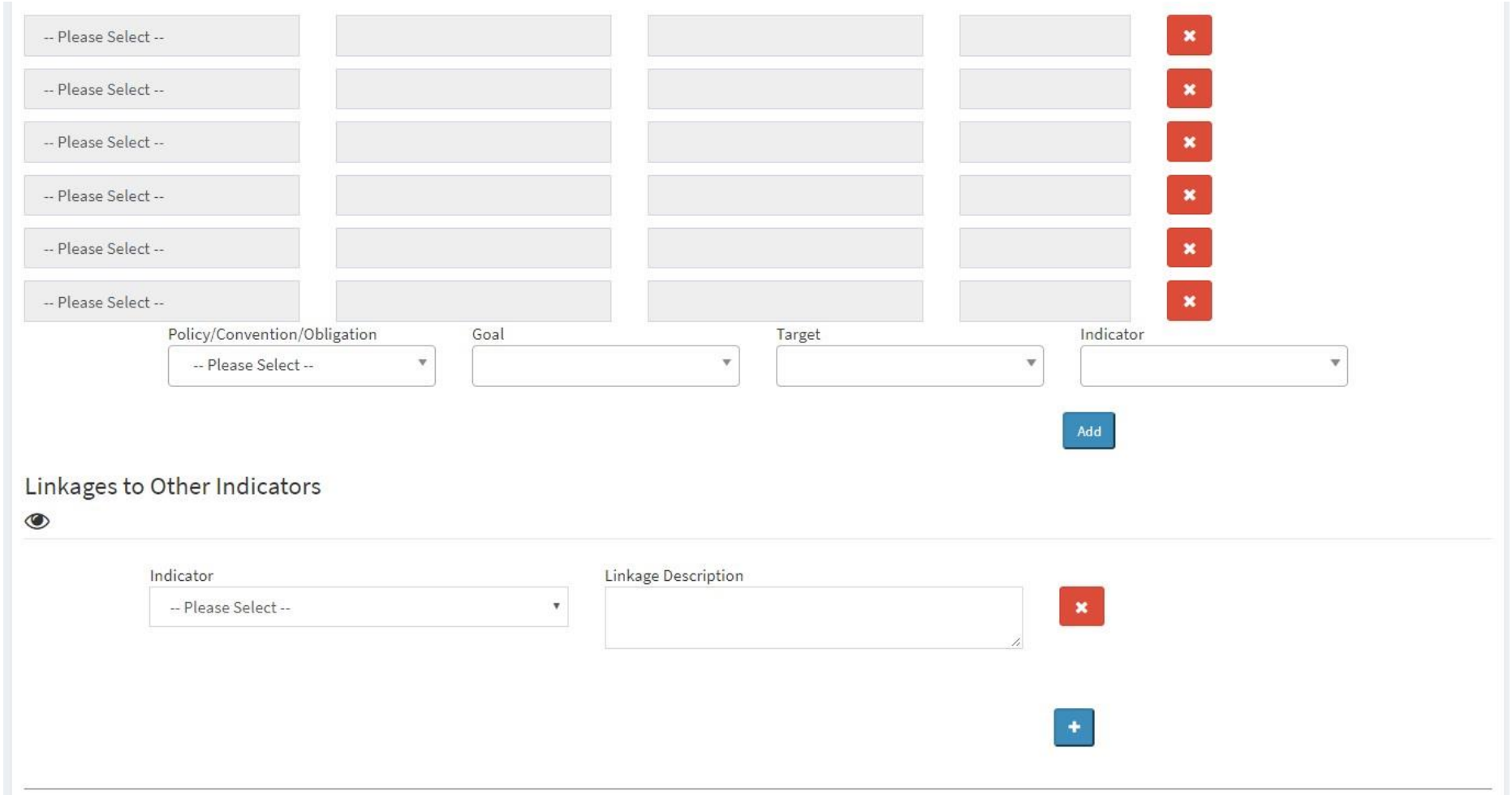
IRIS-Indicator 2/6



IRIS-Indicator 3/6



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IRIS-Indicator – 4/6

Reference Levels

Baseline	**Description**	baseline
	Value	30
Benchmark	**Description**	Benchmark
	Value	60
Threshold	**Description**	Threshold
	Value	90
Soft Target	**Description**	ST
	Value	120
Hard Target	**Description**	HT
	Value	150
International Target/Standard	**Description**	IT
	Value	180

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IRIS-Indicator 5/6

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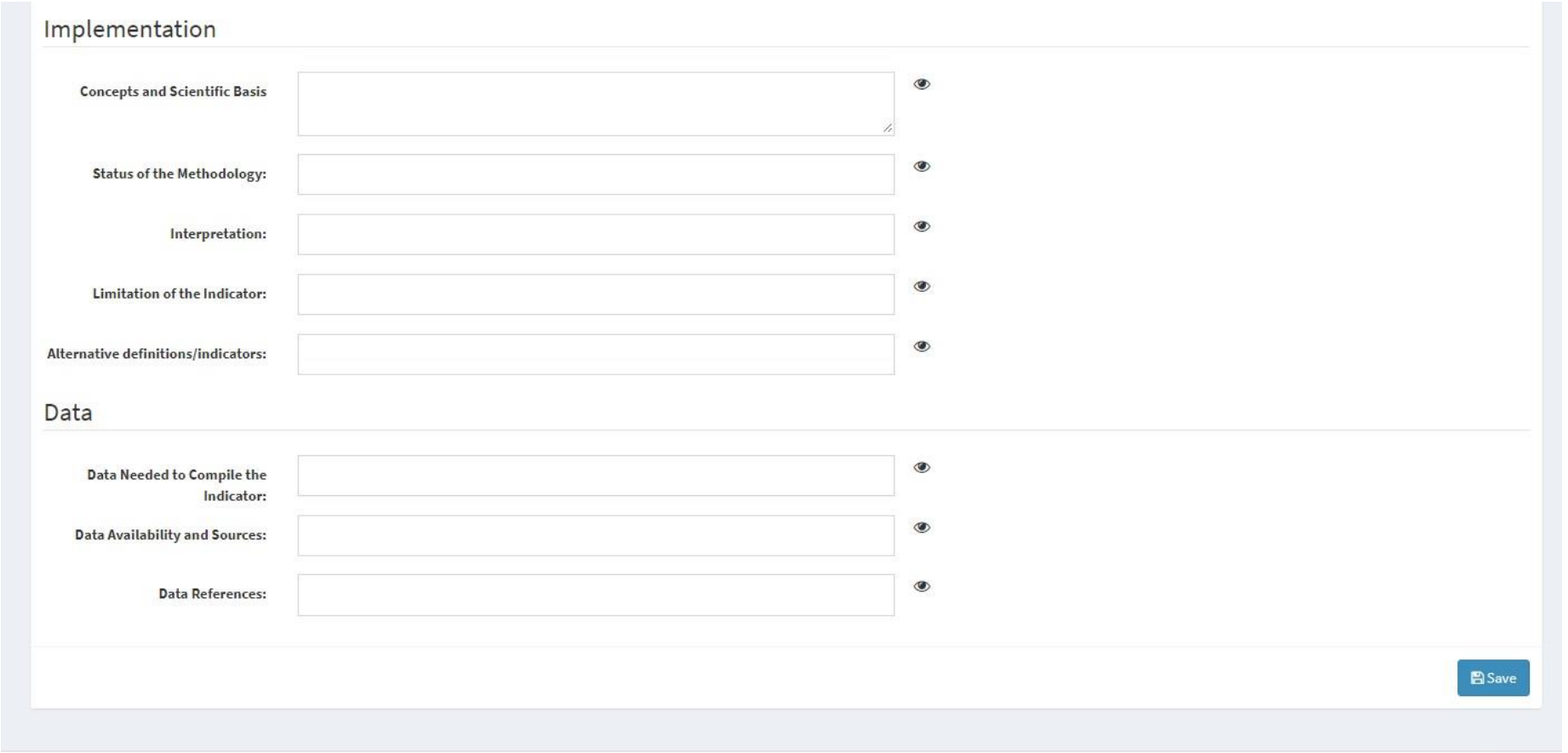
IRIS-Indicator 6/6



AGEDI
العالمية للبيانات البيئية مبادرة أبوظبي
Abu Dhabi Global Environmental Data Initiative
هيئة البيئة - أبوظبي
Environment Agency - Abu Dhabi
UN environment

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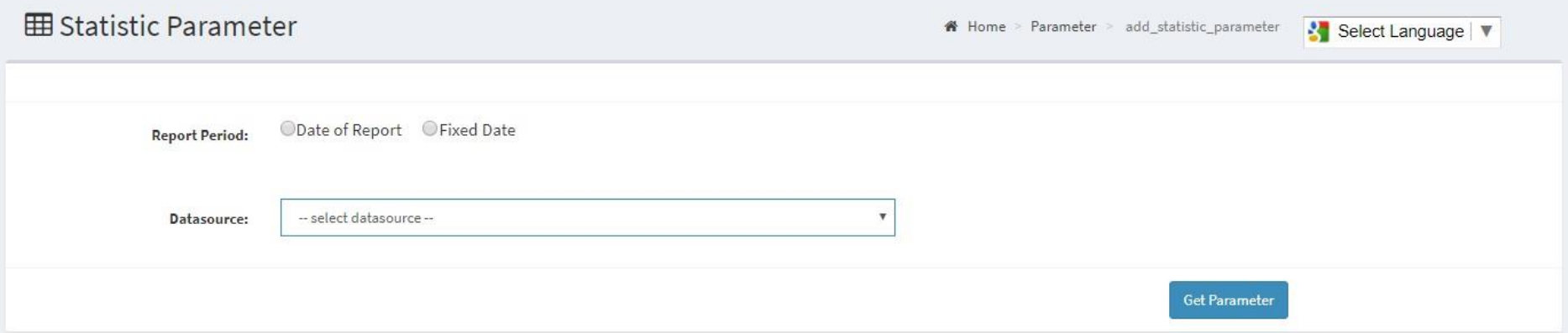
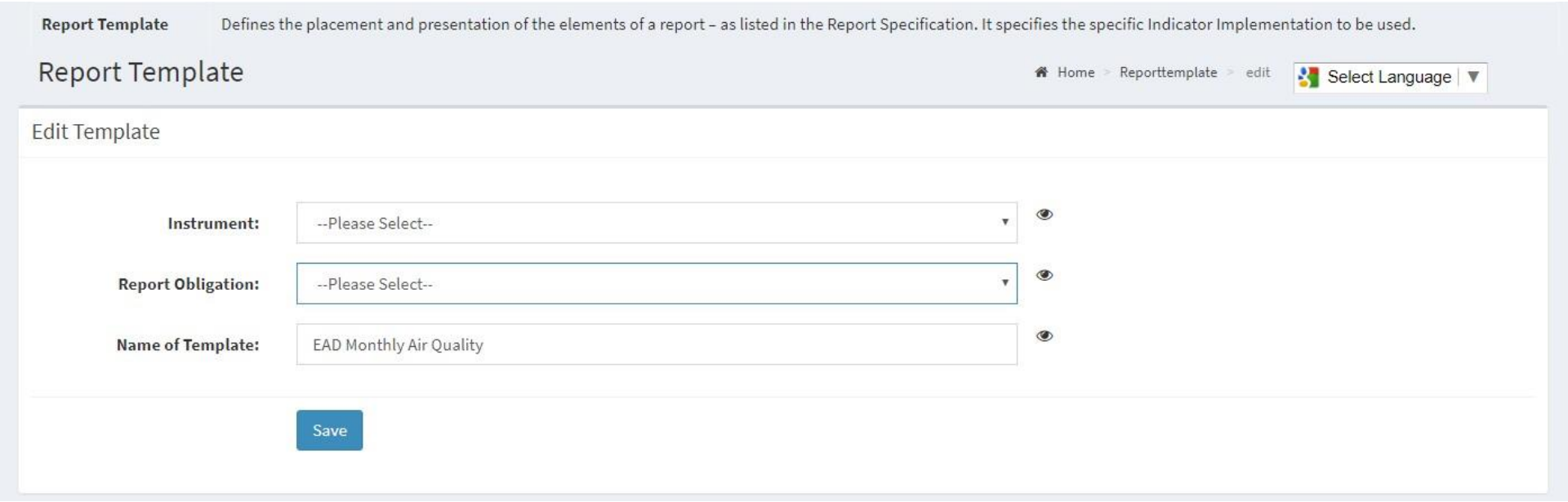
IRIS-Parameter

Parameter	A property calculated from measurement or observation (modified from OECD 2003). IRIS recognises two sub-types of Parameter (described below). The sub-type used depends on how the underlying data custodians expose the data.
Published Parameter(aka Statistic)	A Parameter which is published by a competent authority – typically considered to be the "official" value recognised by an Administration and the basis for cross-sectoral consistency. IRIS reads statistics as numeric values and performs no further processing. Examples may be Population or GDP etc
Calculated Parameter	A Parameter which is calculated by IRIS from a series of (one or more) measurements or observations. This parameter type involves a calculation/data-processing step which is independent of Indicator Implementation; its calculation can be considered data pre-processing.
Report Specification	Specifies the purpose, names the content (specific indicators), frequency of production and intended recipient for a report
Report Template	Defines the placement and presentation of the elements of a report – as listed in the Report Specification. It specifies the specific Indicator Implementation to be used.
Supporting Information	A series (typically a time series) of values for a Parameter. Unlike an Indicator Supporting Information does not have a significance extending beyond that directly associated with a parameter value



IRIS-Report Template



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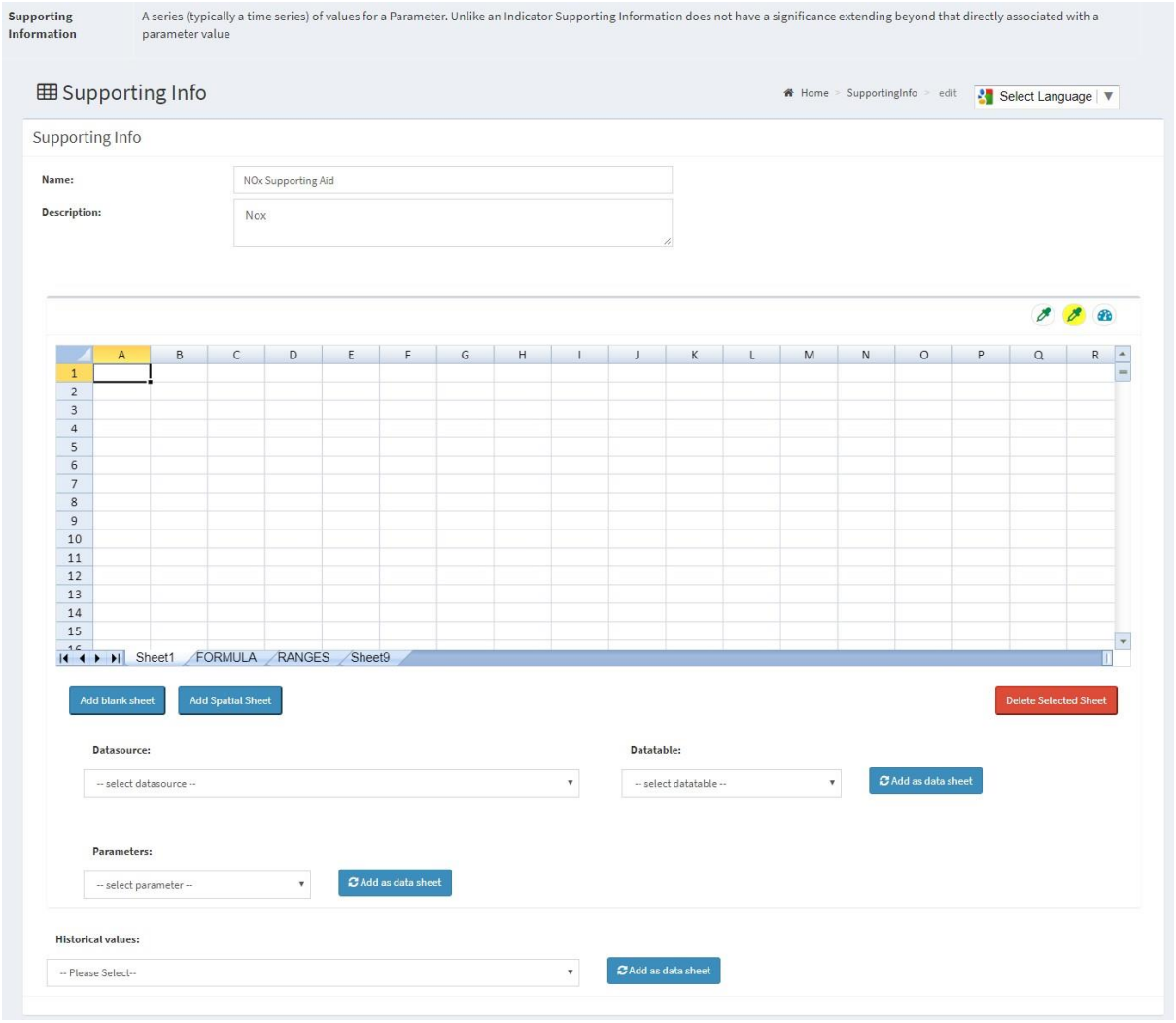
IRIS-Supporting Information



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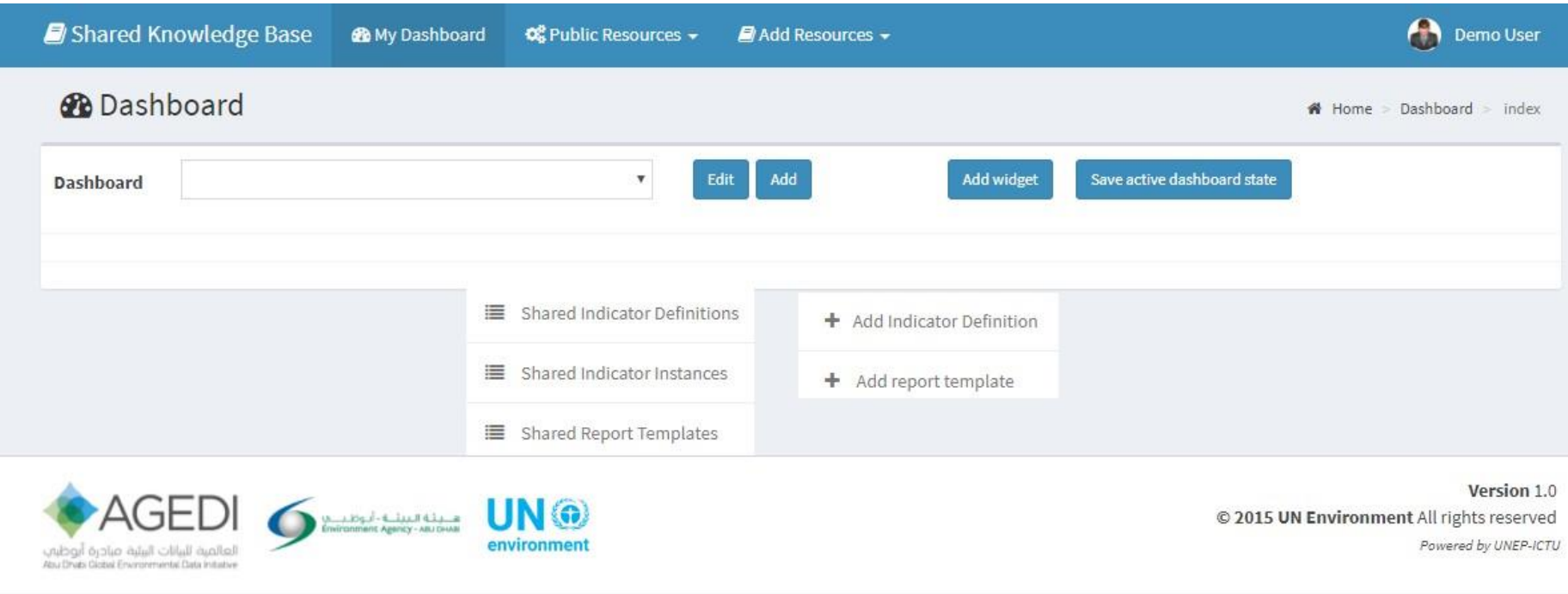
IRIS-Shared Knowledge Base



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How do I get more info

- Email contact: EnvironmentLive@unep.org

Technical Road Map

- Complete Technical Work – Q4, 2017
- Integration of IRIS with FDES (2013) – Q1, 2018
- SDMX Support – Q2, 2018

Indicators and Indices - 1/18

Framework for Development of Environmental Statistics (FDES)

Environmental Resources and their Use		
Sub-Component	Topic	Indicator
Water Resources	Inland water stocks	Groundwater stocks
	Inflow of water to inland water resources	Precipitation
Land	Land use	Area of land under irrigation

© Framework for the Development of Environment Statistics (FDES 2013)

Thank you

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