

Indicator Reporting Information System (IRIS) under UNEP Live

**12th meeting of the Joint Task Force on Environmental
Statistics and Indicators
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What is UNEP Live?

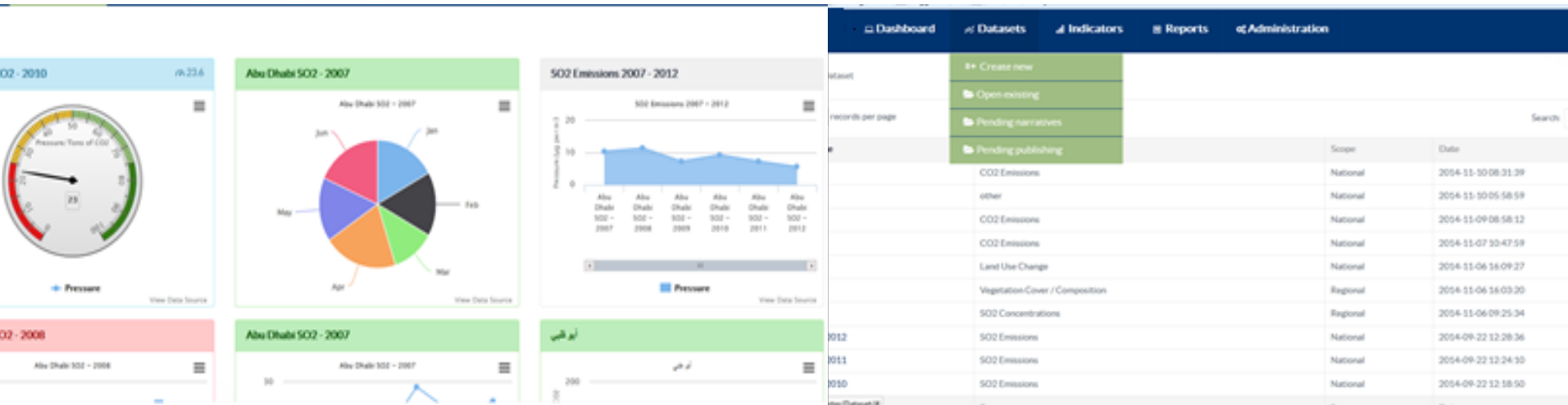
- *UNEP's on-line knowledge management platform*
- *Supports more dynamic, interactive assessment and reporting processes*
- *Focus on open access to global, regional and national environmental data and knowledge*
- *Includes a range of analytical, mapping, search, and visualization tools*
- *SDGs/ MEAs Synergies Portal*
- *Web intelligence portal*
- *Indicator Reporting Information System (IRIS)*



UNEP Live supports national reporting by offering countries an online system called IRIS

Indicator Reporting Information System

- The **IRIS** aims to help government ministries responsible for reporting on national, regional and global obligations, to collect, analyze and publish quality assured environmental information in a timely manner



Key value propositions for IRIS

National tool:

- IRIS technology will be transferred to interested countries so that they own and manage the software and its use locally (i.e. deployed on local servers).

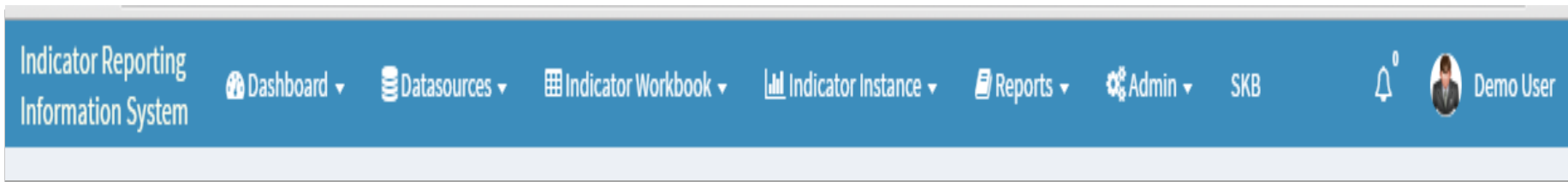
Automation:

- IRIS reduces the burden of routine reporting by automation. Once indicator definitions have been set up in an IRIS instance it is anticipated human interaction will be limited as the system will automatically calculate Indicator values and generate Indicator Instances.
- Once report templates are uploaded they can be used to generate automated periodic reports using the latest published indicator instance.

Improved data Sharing :

- IRIS provides users the ability (with user approval) to transfer data up the reporting hierarchy as part of the reporting mechanism.

IRIS menu of options



Dashboard: provides a graphical snap-shot of key data/indicators that together highlight, in a quick, easy way, the state and trends of the environment.

Datasources is where users will be able to upload data so they are available for multiple reporting needs. This is the starting point for reporting.

Indicator Workbooks can be generated using formulae's and multiple datasets and **Indicator Instances** (chart, map, values) saved for use in reporting

Reports allow users to generate reports, using reporting templates, that bring in relevant datasets and indicators available in the NRS.

The **Administration** menu option is not available to all users. Administrators have the option to add new users and upload reporting templates.

IRIS – Datasources

Upload data for use in Reporting at any time (works with existing national databases, data repositories)

The screenshot shows the 'Add datasource' form in the Datasources application. The 'Datasource type' dropdown is set to 'API'. The 'API's URL' field is empty. There are 'Data Object' and 'Validate' buttons. A 'Save' button is located at the bottom right.

Upload using an API

The screenshot shows the 'Add datasource' form for a 'Database' type. The 'Server Type' is set to 'MySQL'. The 'Host:Port' field contains 'e.g. 127.0.0.1:123'. The 'Username' field contains 'demo' and the 'Password' field contains masked characters. The 'Database' field contains 'database name'. There are 'Connect' and 'Save' buttons.

Upload from a Database

The screenshot shows the 'Add datasource' form for an 'Excel' type. The 'Upload Excel file' section has a 'Choose File' button and the text 'No file chosen'. There is an 'Upload' button. A 'Save' button is at the bottom right.

Upload from an Excel spreadsheet

IRIS – Indicator Workbook

Workbooks include metadata, data and enable users to create Indicator Instances (charts, maps or computed values using mathematical functions)

Indicator Reporting Information System Dashboard ▾ Datasources ▾ Indicator Workbook ▾ Indicator Instance ▾

Indicator Workbook

- Add new
- Open existing
- Import from API (IRIS - IRIS)

Add Indicator Workbook

Definition Connect datasource Computed value Chart Map

1. Define your indicator workbook

Indicator Workbook name

2. Select indicator definition to use for this indicator workbook or create a new one ...

Indicator definition

Category

Definition name

Description

Unit of measurement

Reporting scope

DPSIR

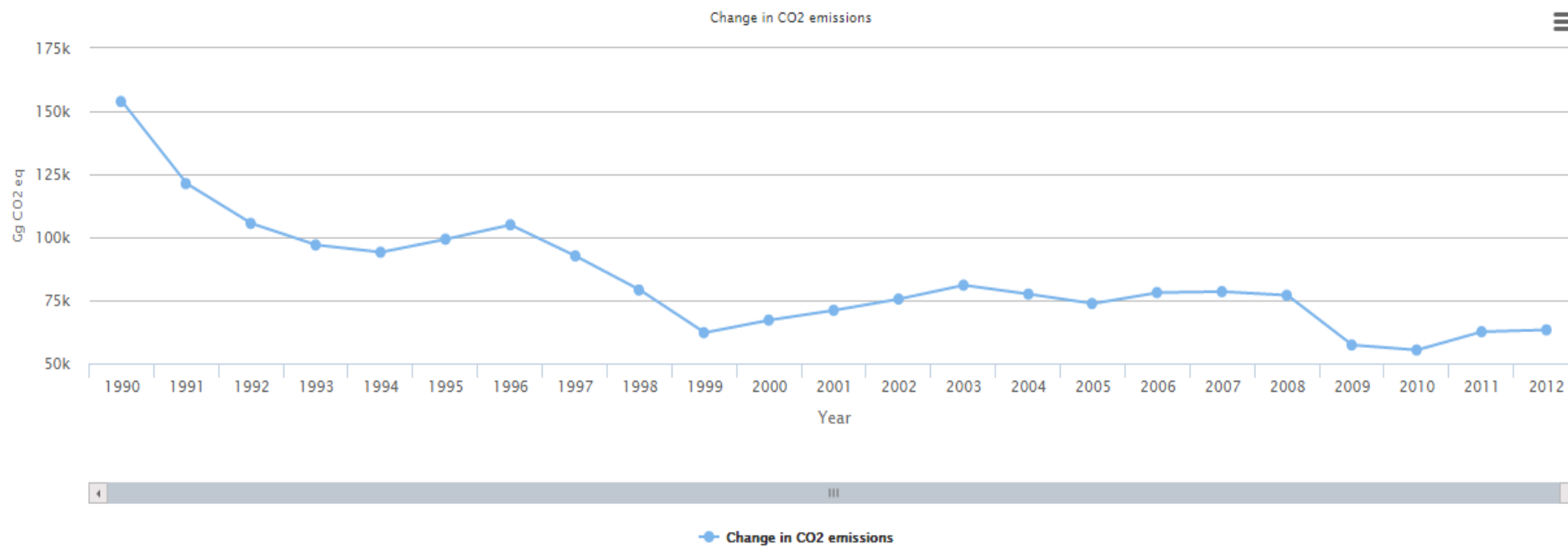
IRIS – Indicator Workbook

Create Indicator Instance: Chart

Title Type Source

Y axis (VALUES) from to X axis (LABELS) from to

Draw chart



Save chart



IRIS – Indicator Workbook

Create Indicator Instance: Map

Source: SPATIAL | Basemap: World Topo Map | Draw map

From "SPATIAL" worksheet in the Workbook and datasource tab

	A	B	C	D	
1	LOCATION NAME	LATITUDE	LONGITUDE	VALUE	REPCHAD
2	LOCATION	LATITUDE	LONGITUDE	VALUE	
3	Aberdare	1.5	36.5	25	imena
4	Amboseli	2.4	37.1	45	
5	Archers Post	0.35	37.35	28	
6	Baringo	0.47	36.16	33	
7	Baringo	0.47	36.17	50	
8	Buna	2.58	39.3	45	
9	Bungoma	0.34	34.34	40	
10	Bura	1.04	39.58	32	
11					
12					

IRIS – Reports

Use reports templates to populate SoE, MEA and other reports

Create report

Template: Basel Convention 2015 Load

Header

ERS Basel 2015
Name of Party: Australia

Content

P

PART I: STATUS OF INFORMATION

Competent Authority information

1a - Designated Competent Authority to the Basel Convention. In establish one or more competent authorities. According to the country is(are):

Please use the following link to download the table in excel.

[Download Excel Table](#)

1a.1 - Do you want to make a request to the Secretariat to update Competent Authority?

Yes

No

1a.2 - Request to the Secretariat to update the Secretariat record make a new designation. Please note that the updated or new de...

Footer

Report Template Placeholder

Indicator Type: Chart

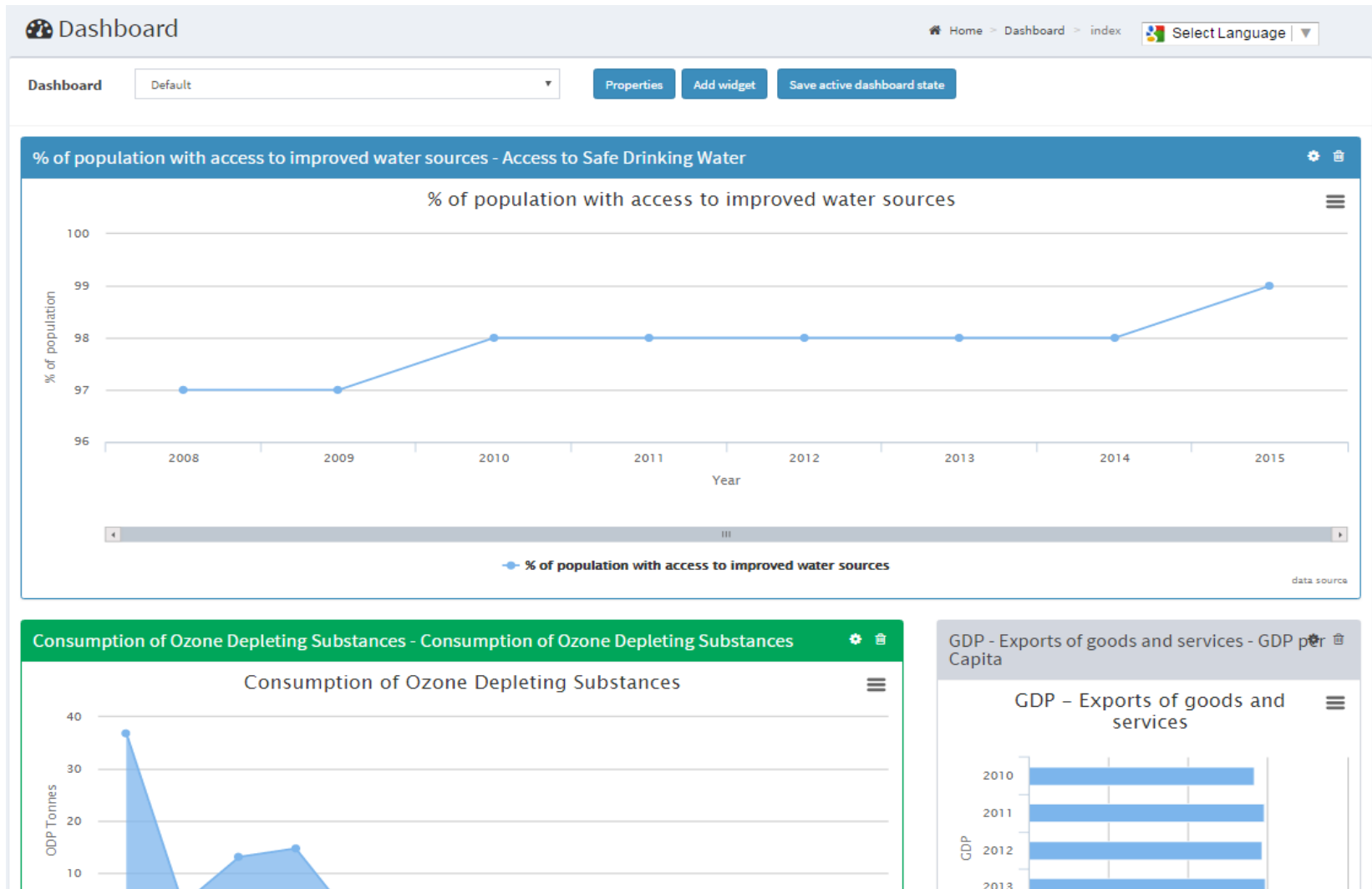
Indicator Definitions: Access to Safe Drinking Water.

Indicator Instance: Select...
Select...
Access to improved water sources - Urban
Access to improved water sources - rural (2000-2015)
Access to Improved Water Sources (2000-2015)

OK Cancel

IRIS – Dashboard

Information at your fingertips: Use Indicator Instances to populate multiple Dashboards that include Indicator Instances showing state and trends of the environment



Expected benefits of using IRIS

- 1. Improved coordination** between agencies
- Reporting obligations and templates **are readily accessible**
- 3. Quick access to the latest data and analysis** on the state and trends of the environment at all times
- 4. Streamlined reporting**
- Data can be uploaded from remote servers **very easily**
- 6. Low investment costs**

Demonstration and testing of IRIS at country level

- IRIS is being /will be demonstrated and tested in a selection of countries including **Bosnia and Herzegovina, Cameroon, Dominican Republic** and **Samoa**
- UNEP will work with **6 other countries in Africa and Asia** in the context of managing air quality data and indicators
- 8th November : **IRIS hands-on training session held in Sarajevo** under the scope of GEF-funded project on "Capacity development for the integration of global environmental commitments into national policies and development decision making in Bosnia and Herzegovina"(CCCD)

GEF-funded CCDD project in BiH

Federalni hidrometeorološki zavod BiH

Republički hidrometeorološki zavod

Automatske mjerne stanice



 MJERNE STANICE

 PROPISI

 O NAMA

 KONTAKT

Mjerne stanice



<http://www.hidrometeo.ba/>

http://www.uneplive.org/country/index/BA#data_tab

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The aim of UNEP Live is to facilitate the exchange and sharing of latest data, information, assessments and knowledge amongst member countries, research networks, communities of practice, indigenous peoples and society, in order to keep the environment and emerging issues under review.

[Sharing Information, Growing Knowledge](#)

[UNEP Live presentation](#)

[An Integrated Framework For Assessments: UNEP Live and IRIS](#)

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