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# The Africa Information Highway: A New Lane for the Sustainable Development Goals

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# What is Africa Information Highway

- The Africa Information Highway (AIH) is the AfDB's initiative that has linked the African countries through the Open Data Platform
- This initiative covers data management and data dissemination tools
- The system facilitates data exchange in SDMX



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# AIH Components

- Each country got an Open Data Platform (ODP) that allows to disseminate their Statistical Data
- An Executive Mobile Monitor is also available to disseminate data on mobile devices
- A SDGs Data hub is available with possibility to generate SDGs reports across Africa
- A SDG page is also available for each country on top of ODP
- A Census Data Page ready to use on ODP



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# AIH Implementation

The installation start in January 2013 and the system is now available in:

- All 54 Africans countries
- 9 regional and sub regional organizations
- Around 17 Central Bank and Ministries of finance(through the IMF/AfDB collaboration
- Some others ministries like Ministries of transports, labor in zambia



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# Objectives of AIH

- Facilitate easy public access of official statistics to the general public.
- Improve decision making based on data
- Improve data harmonization, thereby increase data comparability.
- Improve exchanges of data among organizations and countries.
- Introduce tool for data submission to partners.



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# Systems functionalities

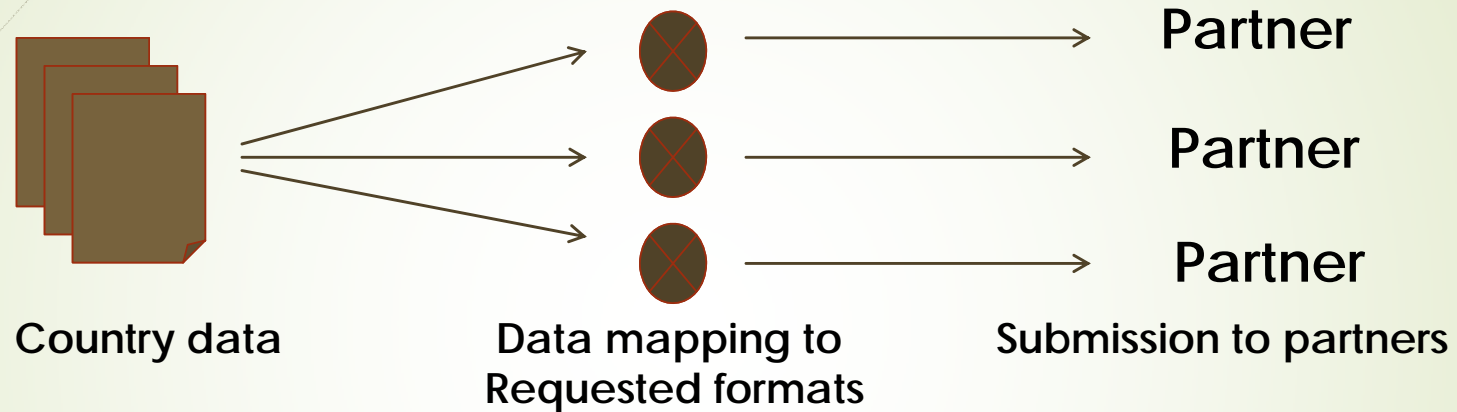
- Users can access a wide range of development data on African countries from different sources.
- Users can upload and share data with others
- Users can visualize indicators over a period of time, gain access to presentation-ready dashboard and graphics and perform comprehensive analysis on a country and regional level.
- ODP as data reporting tool: Integrated tool for data submission to arranged partners.



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# Current data transmission method



## Current process

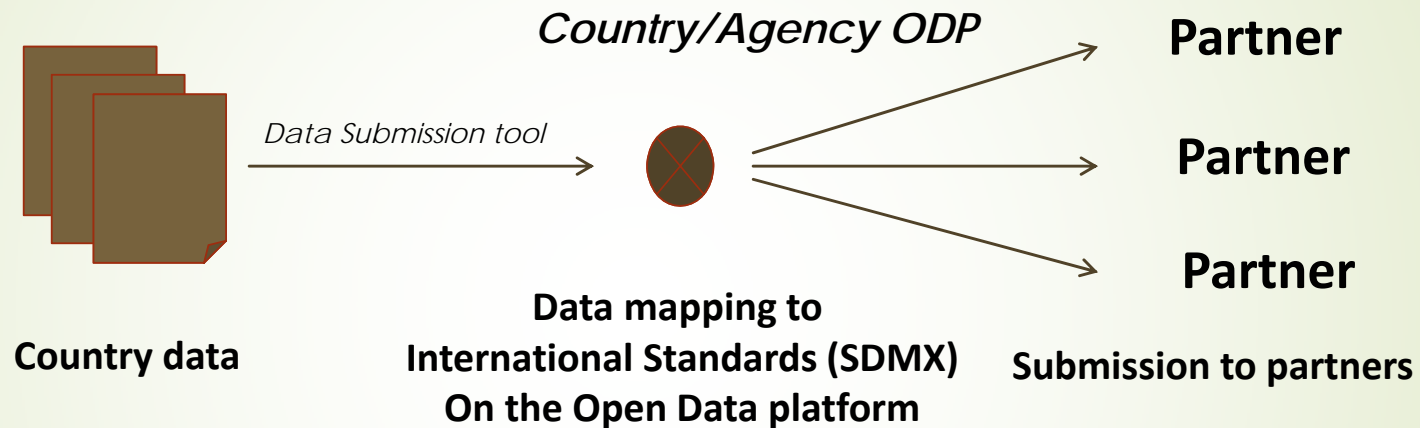
- Organization specific data mapping and formats leading to repetitive work
- Lack of common standards
- Reporting burden heavy on countries.



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# Proposed data transmission integrating SDMX



## To-be process

- Countries map data to international standards (SDMX) and load in the AfDB's Open Data platform
- Data collecting organizations pick from the Open Data platform .





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# AfDB and IMF collaboration

- IMF is collaborating with AfDB to implement eGDDS in Africa using the AfDB platforms
- Around 17 countries are already covered for this collaboration
- Using the country Open Data platform, IMF implement the National Summary Data Page (NSDP) which all data domain covered by this eGDDS initiative.
- As the portals are SDMX compliant, IMF use the portals to collect automatically in SDMX format data from African countries which participated of the eGDDS
- Through this collaboration we expect to push and assist countries to upgrade to SDDS. Country like Senegal has objective to join this SDDS initiative in 2017
- So this will be an important result for this successful with the two institutions
- AfDB expect also to have others international organizations joining this initiative



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**NATIONAL SDGs DATA PAGES**



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# NATIONAL SDGs DATA PAGE

SDGs Data Hubs built for each country on top of the Open Data Platform

## NATIONAL SDGs DATA HUB

 Algeria	 Egypt	 Madagascar	 Sierra Leone
 Angola	 Equatorial Guinea	 Malawi	 Somalia
 Benin	 Eritrea	 Mali	 South Africa
 Botswana	 Ethiopia	 Mauritania	 South Sudan
 Burkina Faso	 Gabon	 Mauritius	 Sudan
 Burundi	 Gambia	 Morocco	 Swaziland
 Cameroon	 Ghana	 Mozambique	 Tanzania
 Cape Verde	 Guinea	 Namibia	 Togo
 Central African Republic	 Guinea-Bissau	 Niger	 Tunisia
 Chad	 Côte d'Ivoire	 Nigeria	 Uganda
 Comoros	 Kenya	 Rwanda	 Zambia
 Dem. Rep. of the Congo	 Lesotho	 Sao Tome and Principe	 Zimbabwe
 Congo	 Liberia	 Senegal	
 Djibouti	 Libya	 Seychelles	



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# NATIONAL SDGs DATA PAGES

Each African country got his own SDGs Hub

Screenshot of the Senegal National SDGs Data Page (Sénégals LE PORTAIL DE DONNÉES).

The page header includes the ANSD logo, the Senegal coat of arms, and navigation links: EN | FR, TÉLÉCHARGER, CRÉER VISUALISATION, ADMIN, MON COMPTE, SE DÉCONNECTER.

The main navigation bar contains: ACCUEIL, CATALOGUE DES DONNÉES, TABLEAUX DE BORD, DONNÉES DU RECENSEMENT, CARTES, ODD.

The main content area displays the title "OBJECTIFS DE DÉVELOPPEMENT DURABLE" (Sustainable Development Goals) and a grid of 17 goal icons with their French descriptions:

- 1 PAS DE PAUVRETÉ
- 2 FAIM «ZÉRO»
- 3 BONNE SANTÉ ET BIEN-ÊTRE
- 4 ÉDUCATION DE QUALITÉ
- 5 ÉGALITÉ ENTRE LES SEXES
- 6 EAU PROPRE ET ASSAINISSEMENT
- 7 ÉNERGIE PROPRE ET D'UN CÔTÉ ABORDABLE
- 8 TRAVAIL DÉCENT ET CROISSANCE ÉCONOMIQUE
- 9 INDUSTRIE, INNOVATION ET INFRASTRUCTURE
- 10 INÉGALITÉS RÉDUITES
- 11 VILLES ET COMMUNAUTÉS DURABLES
- 12 CONSOMMATION ET PRODUCTION RESPONSABLES
- 13 MESURES RELATIVES À LUTTE CONTRE LES CHANGEMENTS CLIMATIQUES
- 14 VIE AQUATIQUE
- 15 VIE TERRESTRE
- 16 PAIX, JUSTICE ET INSTITUTIONS EFFICACES
- 17 PARTENARIATS POUR LA RÉALISATION DES OBJECTIFS





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# NATIONAL SDGs DATA PAGE

Data displayed by Goal and by Target with breakdown to indicators

**Sénégals**  
LE PORTAIL DE DONNÉES

EN | TÉLÉCHARGER | CRÉER VISUALISATION | ADMIN | MON COMPTE | SE DÉCONNECTER

ACCUEIL | CATALOGUE DES DONNÉES | TABLEAUX DE BORD | DONNÉES DU RECENSEMENT | CARTES | ODD

**OBJECTIFS DE DÉVELOPPEMENT DURABLE**

**1 PAS DE PAUVRETE**  
**Objectif 1 : Éliminer la pauvreté mondiale**

D'ici à 2030, éliminer complètement l'extrême pauvreté et assurer à tous les habitants du monde un revenu décent et une vie meilleure.

**1.1.1** Proportion de la population vivant au-dessous du seuil de pauvreté fixé au niveau international, par sexe, âge, situation dans l'emploi et lieu de résidence (zone urbaine/zone rurale)

Proportion de la population en dessous du seuil international de pauvreté de 1,90 \$ US par jour. Groupe d'âge total. Total Sexe. Endroit total

Proportion de la population active occupée en dessous du seuil international de pauvreté de 1,90 \$ US par jour (les travailleurs pauvres). Tranche d'âge 15 - 24. Sexe Féminin. Endroit total

**SUSTAINABLE DEVELOPMENT GOALS**

**3** **GOAL 3. Ensure healthy lives and promote well-being for all at all ages**

**3.1** By 2030, reduce the global maternal mortality ratio to less than 70 per 100,000 live births

**3.1.1** Maternal mortality ratio

Maternal mortality ratio. Age group Total. Sex Total. Location Total **Download in SDMX** Browse Data Metadata

**3.1.2** Proportion of births attended by skilled health personnel

Proportion of births attended by skilled health personnel. Age group Total. Sex Total. Location Total **Download in SDMX** Browse Data Metadata

**3.2** By 2030, end preventable deaths of newborns and children under 5 years of age, with all countries aiming to reduce neonatal mortality to at least as low as 12 per 1,000 live births and under-5

**3.2.1** Under-five mortality rate

Infant mortality rate. Age group Under 1. Sex Total. Location Total **Download in SDMX** Browse Data Metadata

Number of infant deaths. Age group Under 1. Sex Total. Location Total **Download in SDMX** Browse Data Metadata



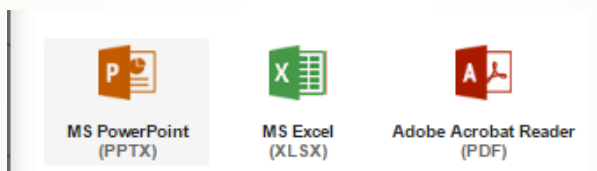
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# NATIONAL SDGs DATA PAGE

Data Exchange using the SDGs Data Page

- SDGs data can be exported in a human readable format



- Or, exchanged machine to machine using the ODP **SDMX** Web Service.





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# NATIONAL SDGs DATA PAGE

## Data Extraction in SDMX format

This XML file does not appear to have any style information associated with it. The document tree is shown below.

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http://registry.imf.org/NSDP/ws/rest/schema/dataflow/IMF/BOP5_COLLECTION/1.0/?version=2.0">
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    <Truncated>false</Truncated>
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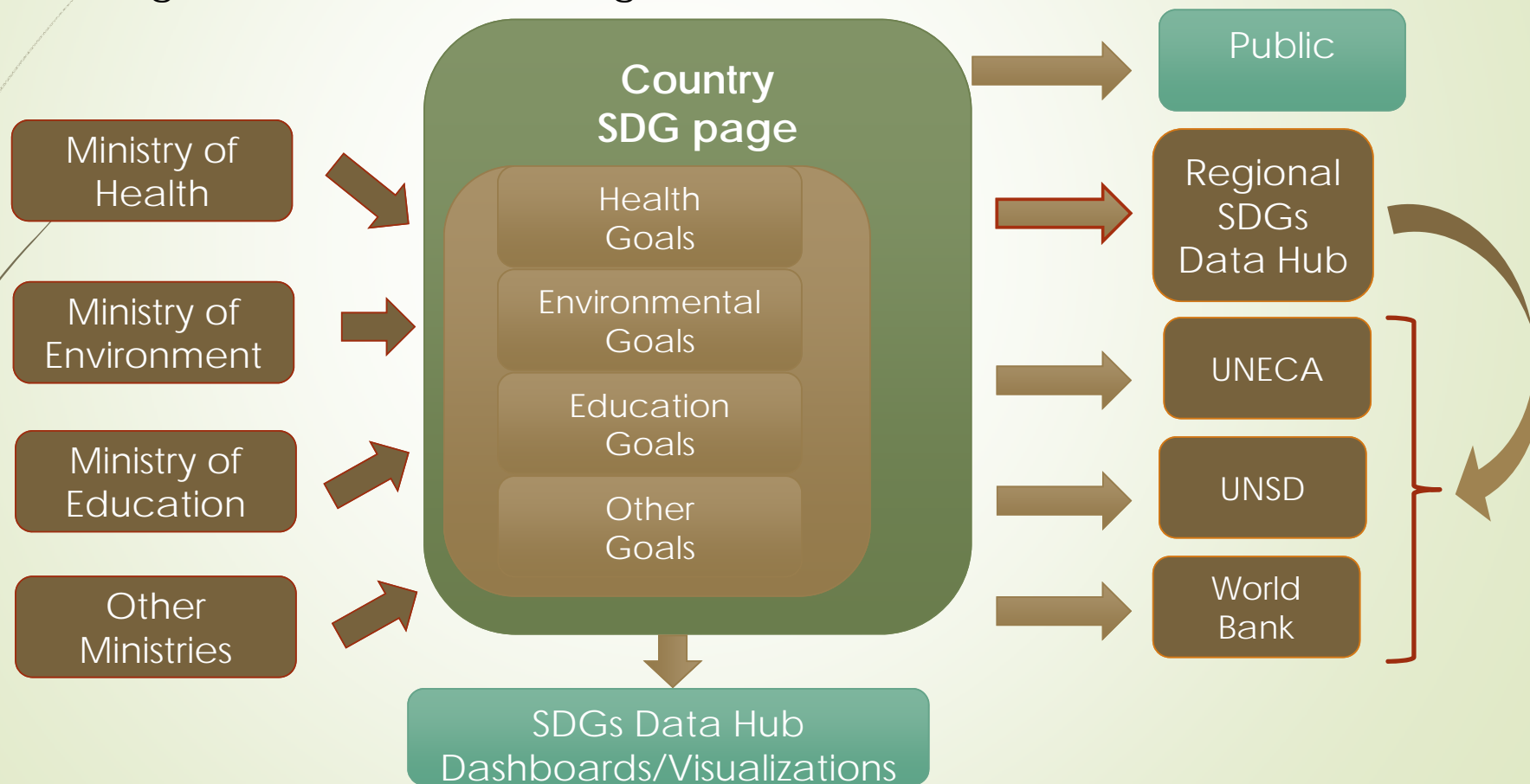


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# NATIONAL SDGs DATA PAGE

Data Exchange with International Organizations







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**REGIONAL SDGs DATA  
HUB**



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## REGIONAL SDGs DATA HUB

- As part of the AIH initiative, AfDB launched the Regional SDGs Data Hub(<http://sdg.opendataforafrica.org/>)
- This SDGs Data Hub allows users, regional organizations and International Organizations to access all SDGs Data of all African Countries.





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## REGIONAL SDGs DATA HUB

Reports can be generated about SDGs in different Formats

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MONITORING IN AFRICA SUSTAINABLE DEVELOPMENT GOALS

EN FR

REPORT BY COUNTRY REPORT BY SDGs PROGRESS MONITORING ABOUT SDGs

CHOOSE  
YOUR COUNTRY  
ON THE MAP TO  
GET A REPORT

SHOW REPORT





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# REGIONAL SDGs DATA HUB

Users can get the SDGs Data Report by Country



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MONITORING IN AFRICA




SUSTAINABLE DEVELOPMENT GOALS

EN FR

[REPORT BY COUNTRY](#)[REPORT BY SDGs](#)[PROGRESS MONITORING](#)[ABOUT SDGs](#)

TableMap

Select Countries

	 Libya	 Egypt	 South Africa
<b>Goal 2: Zero hunger</b>			
<u>Prevalence of undernourishment</u> <small>Percent in 2016</small>	0	5	5
<b>Goal 3: Good health and well-being</b>	Libya	Egypt	South Africa
<u>Maternal mortality ratio</u> <small>Per 100,000 live births in 2015</small>	9	33	138
<u>Infant mortality rate</u> <small>Per 1,000 live births in 2015</small>	11,4	20,3	33,6
<u>Under-five mortality rate</u> <small>Per 1,000 live births in 2015</small>	13,4	24	40,5
<u>Total official flows for medical research and basic health sectors</u> <small>U.S. dollars, millions in 2014</small>	0,1	7,14	31,35
<u>Malaria incidence</u> <small>Per 1,000 population in 2013</small>	no data	no data	4,98
<u>Tuberculosis deaths</u> <small>Per 100,000 population in 2014</small>	9,7	0,25	44

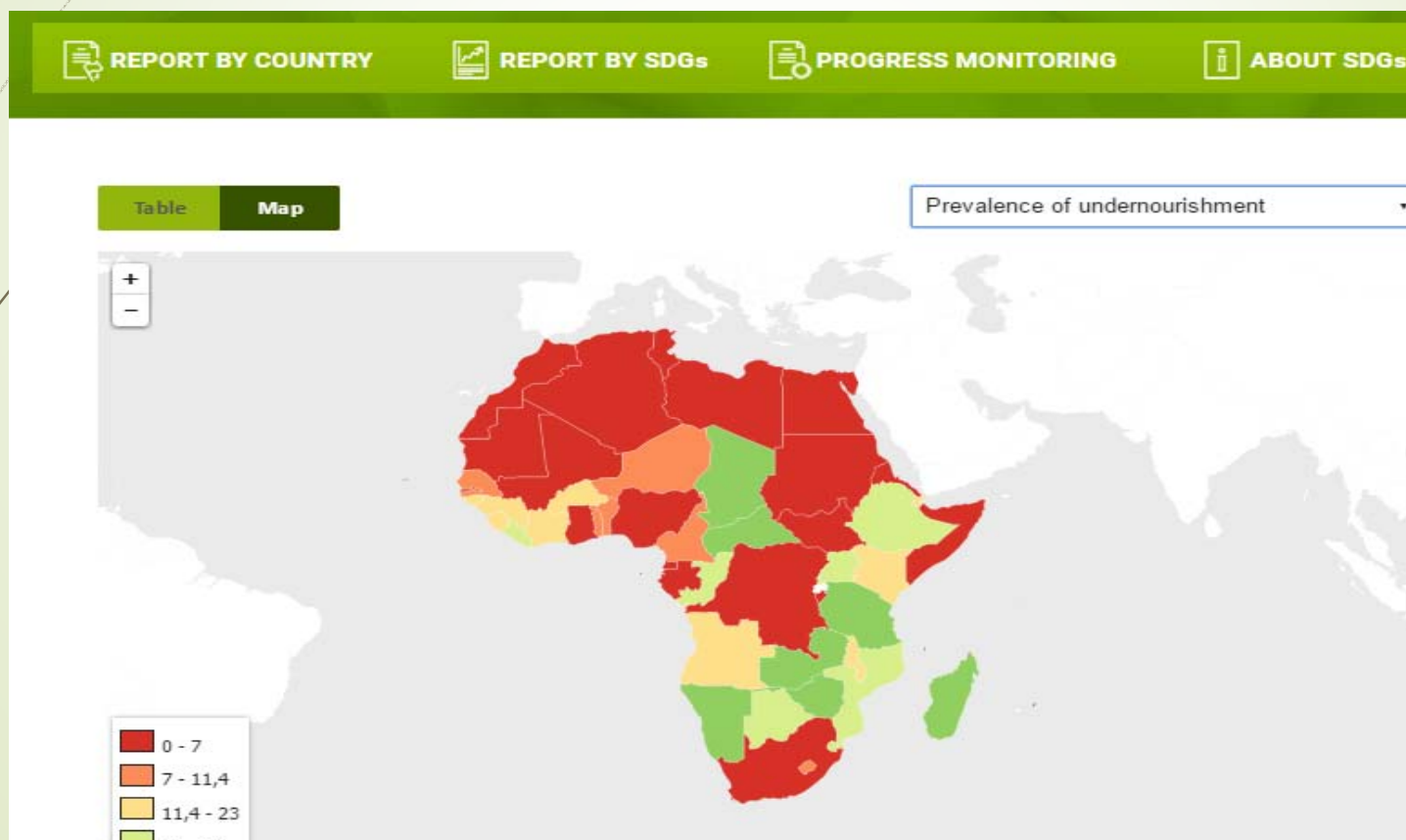


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## REGIONAL SDGs DATA HUB

Users can get the SDGs Report for all countries on a Map







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# REGIONAL SDGs DATA HUB

Users can get the Data Report by Goal

**MONITORING SUSTAINABLE DEVELOPMENT IN AFRICA GOALS** EN FR

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REPORT BY COUNTRY **REPORT BY SDGs** PROGRESS MONITORING ABOUT SDGs

 1 NO POVERTY	 2 ZERO HUNGER	 3 GOOD HEALTH AND WELL-BEING	 4 QUALITY EDUCATION	 5 GENDER EQUALITY
 6 CLEAN WATER AND SANITATION	 7 AFFORDABLE AND CLEAN ENERGY	 8 DECENT WORK AND ECONOMIC GROWTH	 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	 10 REDUCED INEQUALITIES
 11 SUSTAINABLE CITIES AND COMMUNITIES	 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	 13 CLIMATE ACTION	 14 LIFE BELOW WATER	 15 LIFE ON LAND
 16 PEACE, JUSTICE AND STRONG INSTITUTIONS	 17 PARTNERSHIPS FOR THE GOALS			

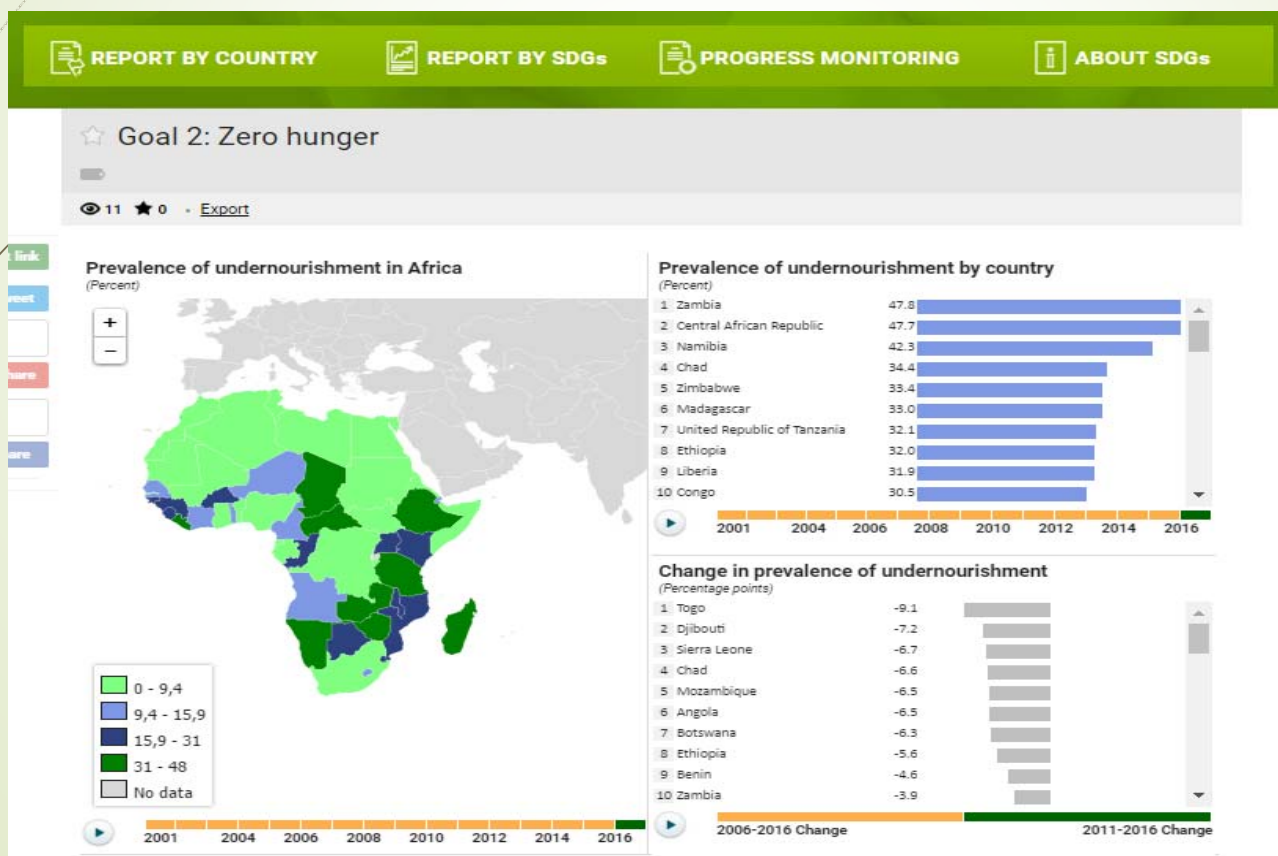


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## REGIONAL SDGs DATA HUB

Users can get the Data Report by Goal (Report for Goal 2)





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# REGIONAL SDGs DATA HUB

Monitoring to progress towards achieving SDGs easily done







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## **BENEFITS OF AfDB's SDGs DATA INITIATIVE**



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## AFRICA INFORMATION HIGHWAY



### Benefits for countries

- No need to coordinate among national agencies to centralize data
- Reduced dissemination and reporting burden
- Focus on content and not the technical needs
- Reduced cost and time
- Decreases development time & costs



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## Benefits for the international communities

- SDGs disseminated in the format that is understood by everyone
- Data available in an open format for easy re-use
- ODP has an SDMX compliant web service to retrieve data



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# THANKS