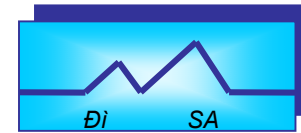




Open Source Data Platform for SDGs - Armenia

5th Workshop on statistics for SDGs, 31 March 2021, Geneva (virtual)

Anahit Safyan, PhD, Armstat



Developing National Reporting Platform (NRP)

Statistical Committee of the Republic of Armenia

Wednesday, 29 August 2018 Home **Statistics** Publications For Respondent About us

Armenia SDGs indicators

Click on each goal for Armenia SDGs indicators

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	SUSTAINABLE DEVELOPMENT GOALS

[Armenia SDGs indicators - Draft \(Excel\)](#)

Studying the experience of developing a [National Reporting Platform](#) for the US SDGs indicators and [Training Materials](#), the Armstat has developed a similar platform for Armenia, which is an integrated website (databases and IT infrastructure to collect, maintain and disseminate information). A platform is a tool of national statistics, metadata, and related information for the global Sustainable Development Goals indicators.

To conform with the UN Fundamental Principles of Official Statistics, the Platform has the following minimum characteristics:

- is managed by national statistical service
- features official statistics and metadata according to established standard methodology
- is publicly accessible
- allows for feedback from data users
- features open source (free) technology.

This platform was developed by the Armstat with the support of the UNFPA Armenia Country Office.

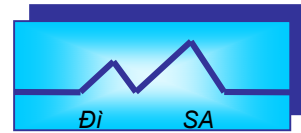
Minimum requirements for reporting:

➤ first step:
published table in Excel format

➤ second step:
developed web-based NRP



Coordination of capacity development at national level



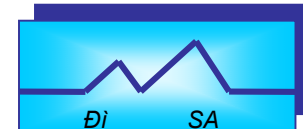
Resource partners' support to strengthen a statistical capacity

- **UNFPA, IOM - NRP**
- **Cooperation with US**

Task Force on SDGs, 27 April 2018

- UN Agencies
- Armenia National SDG Innovation Lab
- Government
- Armstat





The Process

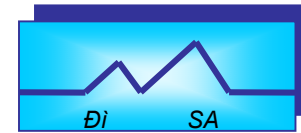
To improve NRP:

- ✓ UNFPA (purchased server)
- ✓ IOM (funded mission by Data Scientist, Center for Open Data Enterprise (CODE)), 21-27 January 2019, Yerevan, Armenia

Objectives:

- data imports, platform setup
- basic training





Open SDG community/documentation

<https://open-sdg.readthedocs.io/en/latest/case-studies/armenia/>

The screenshot displays the Open SDG documentation website. On the left is a navigation sidebar with a search bar and a list of links including 'Home', 'About', 'Open SDG features', 'Frequently Asked Questions', 'Open SDG users', 'List of users', 'Case study: Armenia' (highlighted with a red box), 'Case study: City of Los Angeles', 'Case study: Germany', 'Case study: Kyrgyzstan', 'Case study: Rwanda', 'Community', 'Support', 'Contribution guidelines', 'Code of conduct', 'Change log', 'Glossary of terms', 'Architecture diagram', 'Requirements', 'Quick start', and 'Data providers'. The main content area is titled 'Welcome to the Open SDG community' and features a circular logo with 17 colored segments. Below the logo is a paragraph describing the platform and a bulleted list of features. A 'Next' button is visible at the bottom right of this section. The second part of the screenshot shows the 'Case study: Armenia' page, which has a breadcrumb trail 'Docs > Open SDG users > Case study: Armenia' and an 'Edit on GitHub' link. The page title is 'Armenia - Case Study' and it includes a 'Link to platform' section with the URL <https://armstat.github.io/sdg-site-armenia/>. The 'Why was Open SDG chosen?' section explains the platform's selection based on U.S. national reporting platform recommendations. The 'Which organisation was responsible for choosing and implementing the platform?' section identifies the Statistical Committee of the Republic of Armenia (ArmStat). The 'How did you set up your country platform based on Open SDG?' section details the multi-step setup process. The 'How long did it take to set up the platform?' section notes that the initial setup took about 1 week.



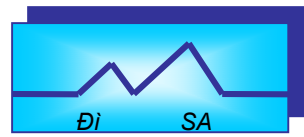
Why was Open SDG chosen?

- US experience on NRP
- Benefits of Open SDG:
 - ✓ ease of maintenance
 - ✓ high level of control
 - ✓ country ownership

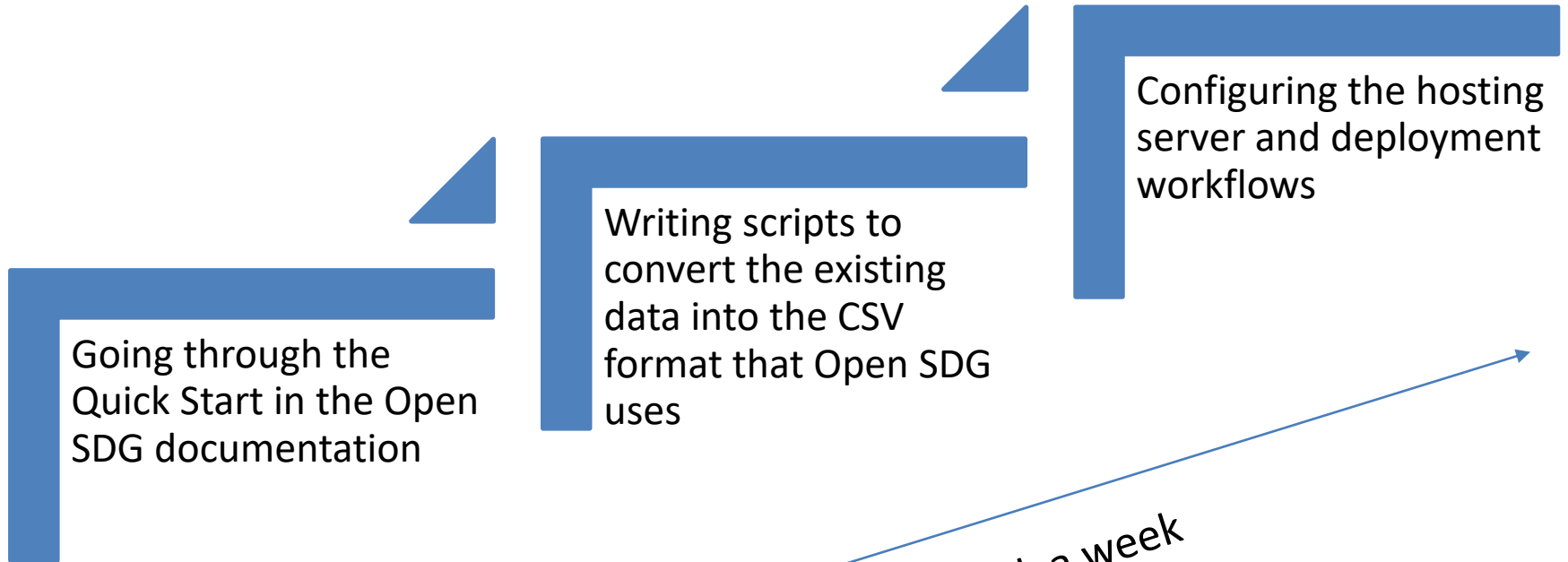
Which organization was responsible for choosing and implementing the NRP?

- **Armstat**



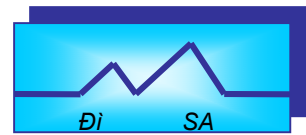


Platform set up



The initial setup took a week





❖ How is the platform hosted?

- The staging environment is hosted on GitHub, the production environment on a local server

❖ How is maintenance managed for the platform?

- A local team trained by Data Scientist in using and managing the platform who also helps with technical issues

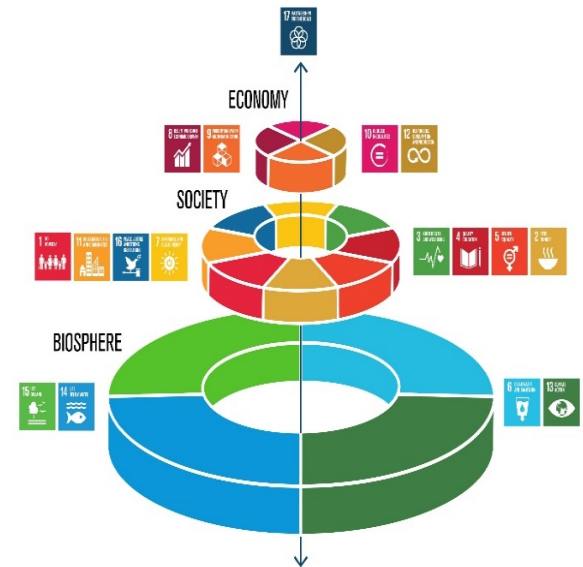
❖ Languages

- Armenian, English and Russian



Customizations added to the Open SDG platform

- The goal layout as a [two-column target/indicator arrangement](#)
- National indicators to be distinct from the global indicators



Armenia data for Sustainable Development Goal indicators

Click on each goal, or search, for Armenia statistics for Sustainable Development Goal global indicators.



1 NO POVERTY

End poverty in all its forms everywhere



Home / Goal 1

Targets

1.1

By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day

1.2

By 2030, reduce at least by half the proportion of men, women and children of all ages living in poverty in all its dimensions according to national definitions

1.3

Implement nationally appropriate social protection systems and measures for all, including floors, and by 2030 achieve substantial coverage of the poor and the vulnerable

Indicators

1.1.1

Reported online

Proportion of population below the international poverty line, by sex, age, employment status and geographical location (urban/rural)

1.2.1

Reported online

Proportion of population living below the national poverty line, by sex and age

1.2.2

Reported online

Proportion of men, women and children of all ages living in poverty in all its dimensions according to national definitions

1.3.1

Exploring data sources

Proportion of population covered by social protection floors/systems, by sex, distinguishing children, unemployed persons, older persons, persons with disabilities, pregnant women, newborns, work-injury victims and the poor and the vulnerable

1.3.1.a

Reported online

Proportion of registered disabled people to the total number of population at the end of the year

National

1.3.1.b

Reported online

Children with disabilities from diseases (aged 0-17 years)

National

1.3.1.c

Reported online

Proportion of registered disabled people to the total number of population at the end of the year

Sub-categories

Choose categories from the dropdowns below to see different breakdowns of the data. Some will not be available until a higher level is chosen.

Click on the legend to remove individual lines from the chart.

Clear selections ✕

Sex ▼

Select all
Clear all

female

male

Location ▼

Select all
Clear all

rural

urban

Age ▼

Select all
Clear all

aged 0-17 years

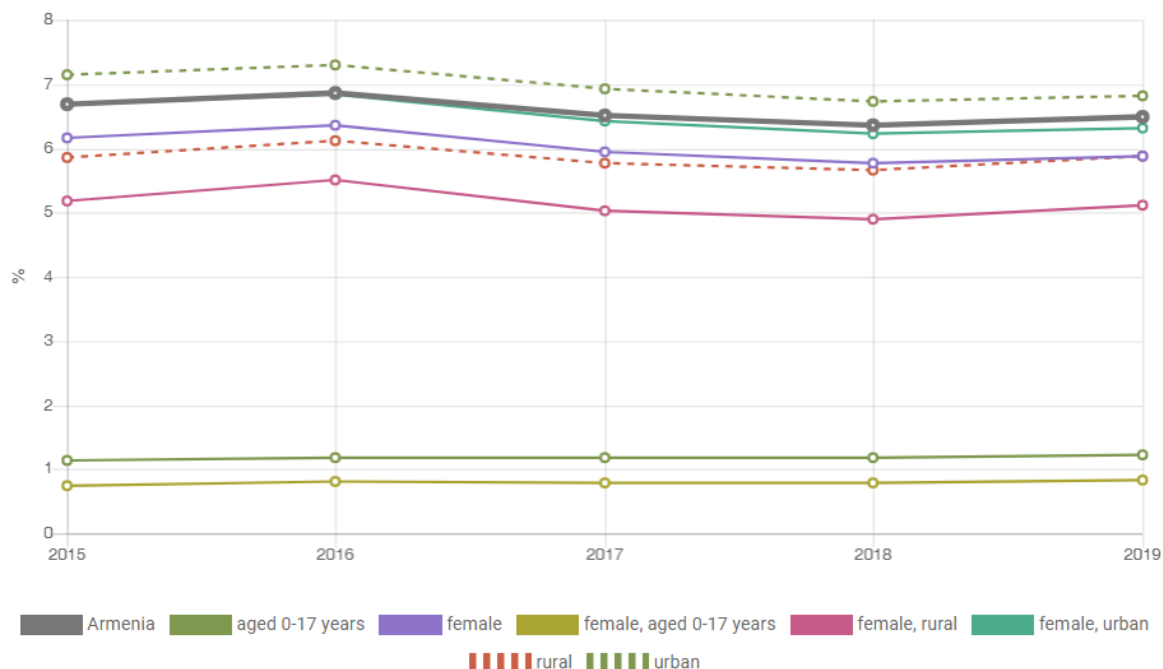
aged 18-39 years

aged 40-62 years

aged 63 and older

Chart Table

Proportion of registered disabled people to the total number of population at the end of the year



Source: Armstat, Ministry of Labour and Social Affairs of RA

Geographical Area: Armenia

Unit of Measurement: %

[Download Chart Image](#)

[Download Chart CSV](#)

[Download Source CSV](#)

Proportion of registered disabled people to the total number of population at the end of the year

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urban

Age ▼

Select all Clear all

aged 0-17 years

aged 18-39 years

aged 40-62 years

aged 63 and older

[Chart](#) [Table](#)

Proportion of registered disabled people to the total number of population at the end of the year

Year [▲]	Armenia	aged 0-17 years	female	female, aged 0-17 years	female, rural	female, urban
2015	6.68	1.13	6.16	0.75	5.17	6.69
2016	6.87	1.18	6.37	0.8	5.5	6.84
2017	6.51	1.18	5.94	0.79	5.03	6.42
2018	6.36	1.17	5.77	0.78	4.9	6.23
2019	6.49	1.23	5.89	0.82	5.11	6.31

Source: Armstat, Ministry of Labour and Social Affaires of RA

Geographical Area: Armenia

Unit of Measurement: %

[Download Table CSV](#)

[Download Source CSV](#)

[National Metadata](#) [Global Metadata](#) [Sources](#)

This table provides metadata for the actual indicator available from Armenia statistics closest to the corresponding global SDG indicator. Please note that even when the global SDG indicator is fully available from Armenian statistics, this table should be consulted for information on national methodology and other Armenian-specific metadata information.

Indicator available

Indicator description

Geographical coverage Armenia

Unit of measurement %

Definitions

Lessons learned

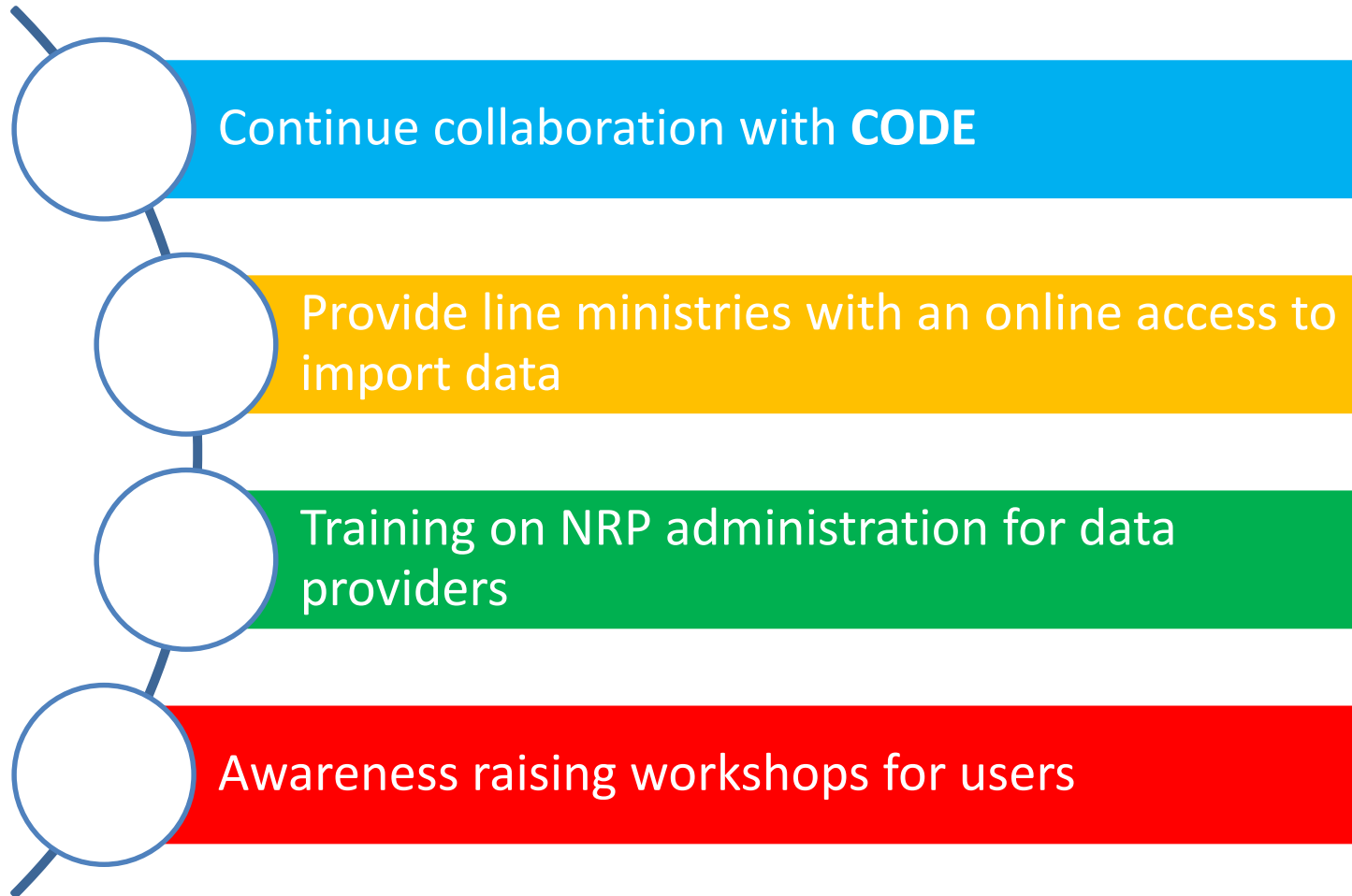


- Open platform is easy to be customized
- Use cloud-based free services like GitHub and CircleCI

Link to Platform

<https://sdg.armstat.am/>

Next steps



Thank you



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