## International Workshop on SDG monitoring Virtually, January 12-13, 2022

## **Experience on Development of CamStat, CAMBODIA's National SDG Reporting Platform**

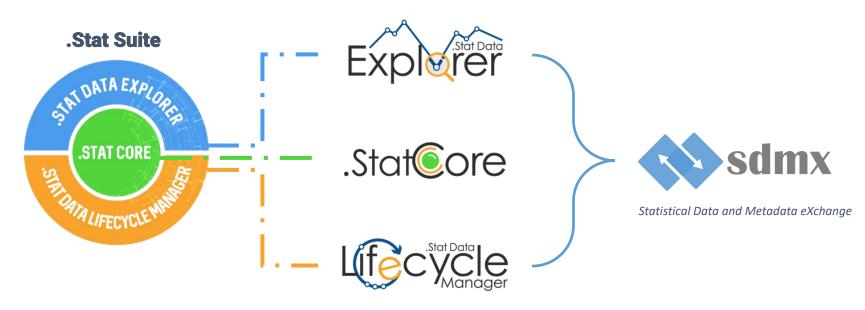
		ទិន្យាស្ថានខាតិស្ថិតិ National Indicator Reporting Platform  Search, visualise and share data		
		Search →		
Topic ↑ Reference area ∨				
3	Agriculture	Demography	Economy	
	Education	Employment	Environment	
	Gender	Governance	Health and Nutrition	
	Infrastructure	SDG indicators	Tourism Activate Windo	ws

#### **Presentation Outline**

- 1. The Implementation Experience
- 2. The Key Outputs
- 3. Lesson Learnt
- 4. Current Update & Maintenance Exercise
- 5. Next Step

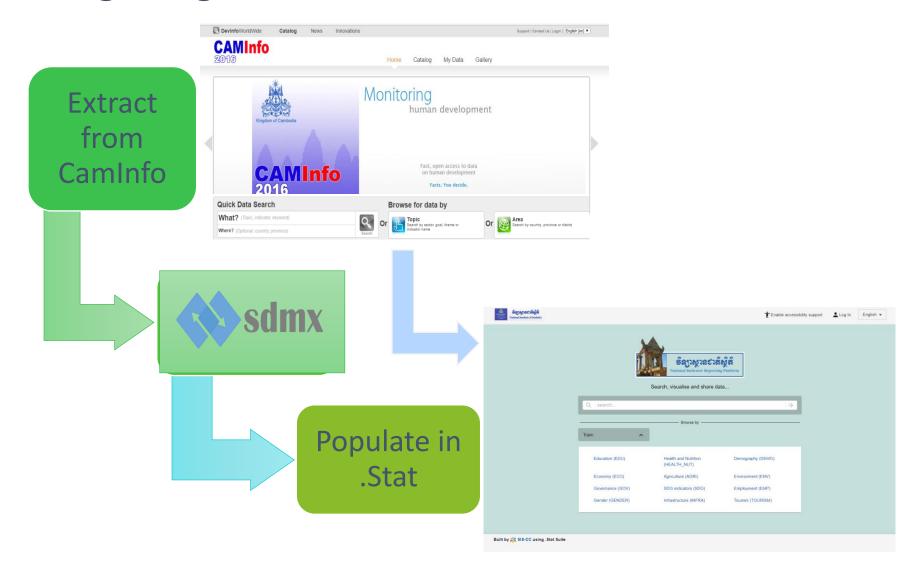
## 1 Implementation Experience

#### Stat Suite and SDMX/CAMSTAT



- Data modeling and SDMX Information Model,
- Stat Data Explorer and DLM
- Stat hosted at the UN Global Platform (UNGP) cloud environment

### Migrating into CamStat Production



### Pilot Exercise (2018-2019)

### Flash Back to The Pilot Missions of OECD, UNICEF, PARIS21 and UNSD

#### Mar 2018

- StructuredSDG DSD,
- StructuredEducation DataUploadeddata to .Stat

Suite

# STANDARD. STANDARD.

#### Oct 2018

- . Structured Demography Data & uploaded data to .Stat Suite.
- . Built skills in SDMX standards and tools good practices

#### **Dec 2018**

- . Structured
  Agriculture data
  and upload to .Stat
  Suite
- Deepened skills in data standards and tools good practices

#### May 2019

Full migration of CamInfo data, including NSDP and CSDG/SDG data.

### **Tool Used**

- DSD Constructor
  - Create Concept Scheme
  - Create Code list
- Mapping Assistant
  - Mapping all data of CamInfo database
- SDMX Converter
  - Create data flow





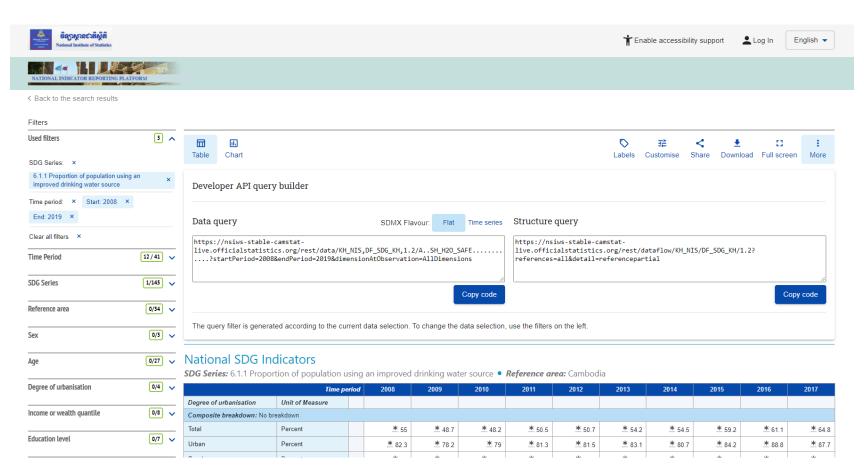


## 2 Key Outputs

- 898 indicators and about 170,000 data observations uploaded to CamStat using the .Stat Data Lifecycle Manager (DLM)
- CamStat running in the cloud and publicly available (<a href="http://camstat.nis.gov.kh/#/">http://camstat.nis.gov.kh/#/</a>)
- Number of NIS Subject Matter staff/team trained on data standards and tools, .Stat DLM
- Training workshop on data sharing protocol and CamStat reporting platform, such as the fundamentals of data modeling, SDMX Information Model
- CamStat running on UNGP using AWS cloud services
- Data exchange has been established for SDG indicators with the SDG Global Platform

### **API** query

 API query can be automatically generated base on SDMX standard



### SDMX standard

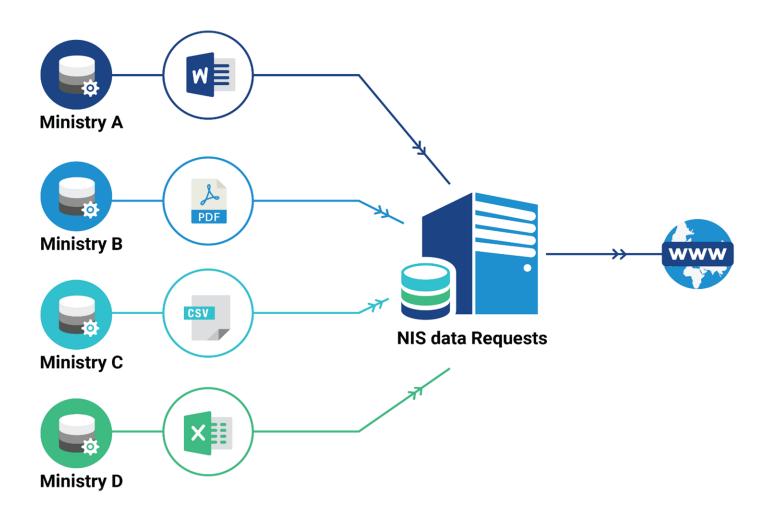
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 xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2 1/common">
 ▼<message:Header>
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    </structure:Dataflows>
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```

## 3

#### Lesson Learnt

- ✓ Much effort required on SDMX artefact maintenance and versioning
- ✓ Expert knowledge of SDMX required with current interface and tools to model, map and upload data structures and dataset
- ✓ Different requirements for dissemination vs reporting when using global Data Structure Definitions (DSDs)
  - Code descriptions
  - Unused dimensions
  - National extensions
- ✓ NIS will need further technical assistance to use and maintain CAMSTAT

## Current general situation for reporting (LMs/LAs)





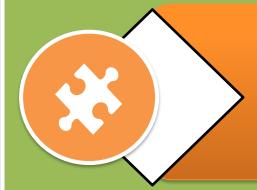
### Current Updating & Maintenance Exercise



Updating timeseries data from LMs, Survey and census report



Prepare indicators template for respective line ministry to be updated.



CamStat data have been reviewed (codelist dimension, customization) adapt to new feature of .StatSuite



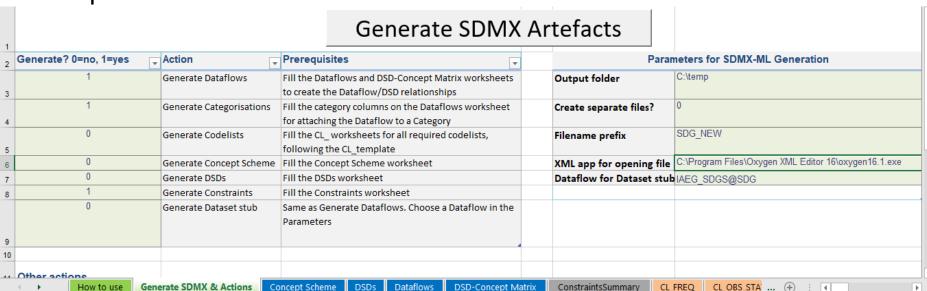
### Current Updating & Mantaining Exercise

- 1. Prepare mapping file with inclusive parameter sheet
- 2. Using DSD Matrix Generator
  - To add/edit the required code list
  - Or To upgrade the version (DSD, CL, DF...)



- Using the generated DSD
- Using the mapped file

#### 4. Upload into DLM





### CamStat's Migration to UN Global Platform

- In 2020, CamStat was migrated from temporary hosting to the UN Global Platform with assistance from UNSD, OECD, UNESCAP, and UNICEF
  - it provided a home for CamStat in a robust cloud environment,
  - the technical aspects of the .Stat installation and maintenance is addressed by the UNGP community.
- CamStat now running on UNGP using AWS cloud services
- Working with FAO to disseminate Agricultural Survey on CamStat.
- Future integration with Open SDG front-end through CamStat API (SDMX).

## 5

#### Next steps













camstat new version launching

Requested new data for updating time series data in CAMSTAT Adapt flows throughout NSS to regularly update CAMSTAT (e.g. SDMX standard)

Need for continued technical support/capacit y building (1-2 years), for example adopt/impleme nt MOU/data sharing tools to automate data reporting/exchanging

Continued technical support for .Stat on UNGP Cloud Provide training on using Data Explorer to the NIS subject matter team and line ministries/other agencies to ensure sustainability over the long term

## សូមអរគាណ់

### Thank you!

