Tenth SDMX Expert Group Meeting (EGM), Virtually, January 25-28, 2021

SIS-CC .StatSuit Use Case of CAMBODIA's CamStat, National Reporting Platform

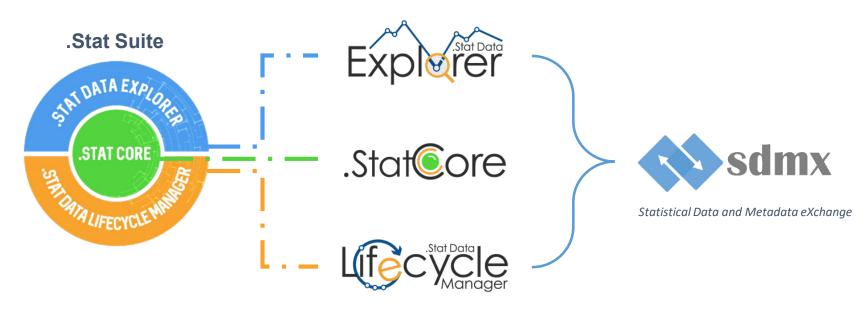
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Agriculture	Demography	Economy
Education	Employment	Environment
Gender	Governance	Health and Nutrition
Infrastructure	SDG indicators	Tourism Activate Windo

Presentation Outline

- 1. The Implementation Experience
- 2. The Key Output
- 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,

Suite

StructuredEducation DataUploadeddata to .Stat

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





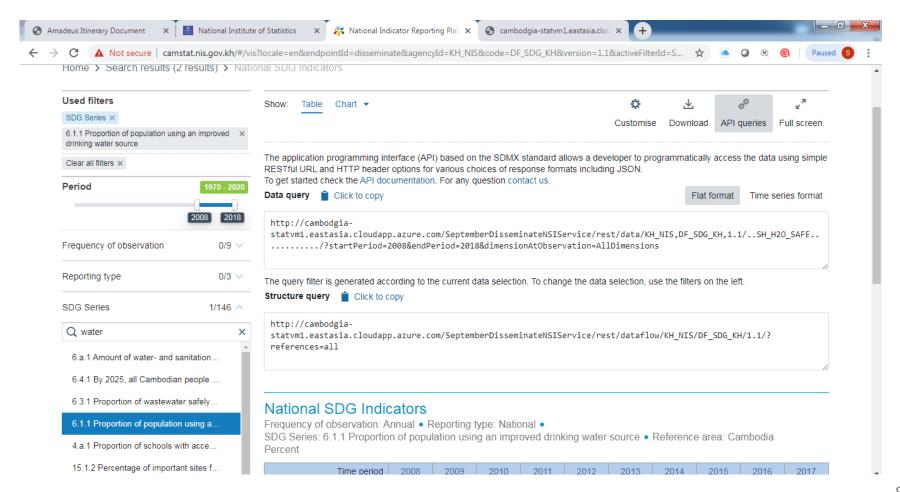


2 Key Output

- 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 (http://camstat.nis.gov.kh/#/)
- 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

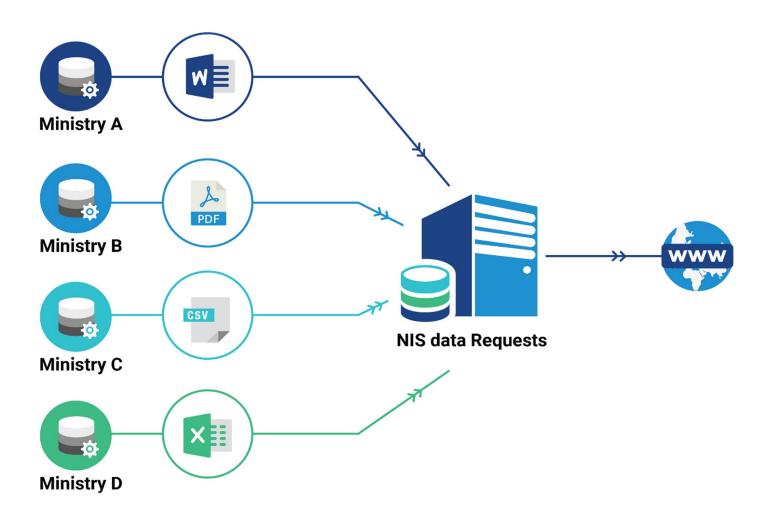
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Amadeus Itinerary Document
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3

Lesson Learnt

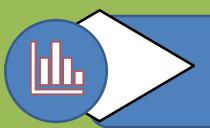
- ✓ Much effort required on SDMX artefact maintenance and versioning
- ✓ Expert knowledge of SDMX required with current interface and tools to model, map and upload data structures and dataset
- ✓ Different requirements for dissemination vs reporting when using global Data Structure Definitions (DSDs)
 - 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



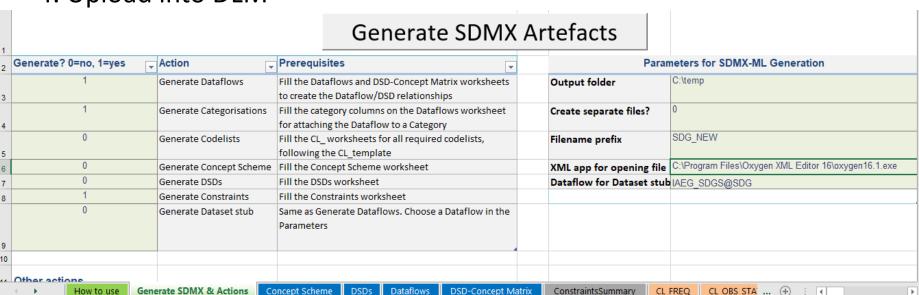
Current Updating & Mantaining Exercise

- 1. Prepare mapping file with inclusive parameter sheet
- 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 complexity of .Stat installation and maintenance is addressed by the UNGP community.
- CamStat now running on UNGP using AWS cloud services

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

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Thank you!

