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

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Presentation Outline

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

1. Extract from CamInfo
2. Populate in .Stat
3. Use SDMX for extraction and populate in .Stat
Pilot Exercise (2018-2019)

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

Mar 2018
- Structured SDG DSD,
- Structured Education Data
- Uploaded data to .Stat Suite

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
• 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/#/](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 based on SDMX standard
SDMX standard
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
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...)
3. SDMX converter
   - Using the generated DSD
   - Using the mapped file
4. Upload into DLM

Generate SDMX Artefacts
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
Next steps

1. CAMSTAT new version launching
2. Requested new data for updating time series data in CAMSTAT
3. Adapt flows throughout NSS to regularly update CAMSTAT (e.g. SDMX standard)
4. Need for continued technical support/capacity building (1-2 years), for example adopt/implement MOU/data sharing tools to automate data reporting/exchanging
5. Continued technical support for .Stat on UNGP Cloud
6. 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!