Data Portals in Asia-Pacific

Innovations in Data Dissemination in Asia-Pacific
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Introduction

...almost nine in ten NSOs report they need to strengthen their online data dissemination platforms and tools as well as their data visualization and communication capabilities in the next three years.

Digital platforms

**Data Warehouses**
- Central repository of integrated data
  - Stat Suite, SQL database

**Data Portals**
- Web-based, interactive data and metadata platform
  - Stat Suite, DevInfo, Open SDG

**Data Analysis Tools**
- Analyze data to provide insights
  - Tableau dashboards, National SDG Tracker
Data portals

By type of data

Statistical data (indicators)
- .Stat Suite
- Open SDG
- DevInfo

Geospatial data
- ArcGIS
- Popgis

Microdata
- NADA
- .Stat Suite
Data portals

By scope

- Generic
  - .Stat Suite
  - DevInfo

- Thematic
  - Open SDG
  - CountrySTAT
Tools complement each other
Roadmap example

Phase 1
Adopt data portal

Phase 2
SDG analysis with National SDG Tracker

Phase 3
Implement data warehouse

Phase 4
Implement microdata portal
Example: .Stat Suite

http://camstat.nis.gov.kh/
Example: .Stat Suite
Example: .Stat Suite

Highlights

• SDMX-compliant API
• Open-source
• Supported by a community of users
• Ambitious roadmap
• IT expertise is needed to install and maintain
Example: Open SDG

https://kostat-sdg-kor.github.io/sdg-indicators/
Example: Open SDG

Highlights

• Perfect for SDG dissemination
• Comprehensive metadata support
• Free and open-source
• Easy to set-up and update
• Uses many data formats as inputs
Findings for Asia-Pacific

Asia and the Pacific countries assessed, 18

Asia and the Pacific countries not assessed, 40
Platform and visualization

- Popgis, 7
- NSO made, 7
- NMDI, 1
- Stat Suite, 1
- DevInfo, 2
- REDATAM, 3
- Open SDG, 1
- Other, 1

Bar chart:
- Tables: 22
- Graphs or Charts: 21
- Maps: 14
- Scatter plots: 3
Multilingualism

How many languages in which the data portal can be made available?

![Bar chart showing the number of portals with one, two, or three available languages.]

- One available language: 14
- Two available languages: 6
- Three available languages: 3
User-centred design

- Is there a facility (chat, email, telephone or other) to give feedback?

![Bar chart showing the number of portals with feedback facilities. The chart indicates 15 portals with feedback and 8 without.](chart.png)
Data disaggregation

Can the user view, filter, select or download data **disaggregated** by sex, administrative unit and other relevant characteristics?

![Bar chart showing 20 portals with the ability to view disaggregated data and 3 portals without this capability.](chart)

- 20 portals with the ability to view disaggregated data
- 3 portals without this capability
Standardized interfaces

Does the data portal support APIs?

- One data portal has documentation for the API.
- Two portals offered bulk download option.
Are all the indicators accompanied by a minimum set of metadata elements?

None met the metadata elements.

There are three metadata elements:
- Source of data
- Methodology for the data
- Date of last update/most recent entry

What elements of metadata are missing?

![Bar chart showing missing metadata elements](chart.png)
Key take-aways

• Data portals can be enhanced in the region: metadata, API, feedback, languages

• Stat Suite and Open SDG are popular open-source solutions

• Plan your digital data dissemination strategy

• Count on international support – but take ownership of your national data portal
THANK YOU

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