

CountryData Workshop – Technologies for Data Exchange

Overview of UNSD-DFID Project

Improving the collation, availability and dissemination of development indicators (including the MDGs)



























Presentation structure

- 1. Introduction to Project
- 2. Project progress highlights
- 3. Dissemination model
- 4. Future Activities

Project background

- Bring National and International data under one platform
- Improving the collation, availability and dissemination of development indicators
- Enable data dissemination using SDMX
- 11 participating countries
- Project started in 2010
- Project will finish on June 2014
- Sponsor by UK's Department for International Development

Progress to date

Project activities as at February 2013:

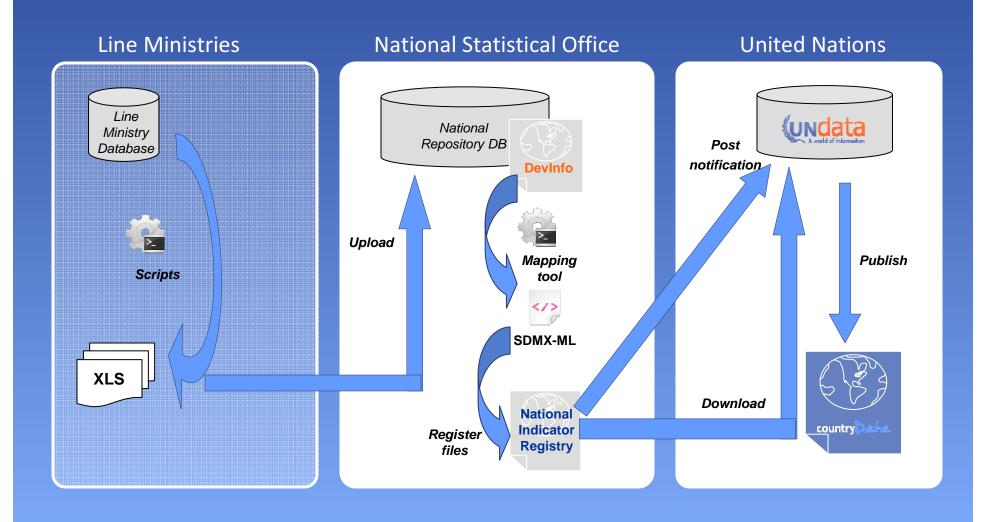
- 7 countries with signed MoU in place
- 8 SDMX installation/ training missions
- 6 DSG consultancy missions (4 jointly with UNSD)
- 3 Metadata national workshops conducted
- 2 countries made study visits to Thailand and Cambodia
- 1 XML/XSLT training workshop

Progress to date

Project outputs as at March 2013:

- 10 countries feature in CountryData
- Over 200 indicators and over 2,000 observations exchanged
- 2 metadata handbooks / repository completed
- 149 indicators paired and in 33% of those discrepancy has been explained

Dissemination model



Identification of priority indicators

- 9 countries selected MDGs as starting point
- 1 country selected set with non-MDGs
- But 3 countries looking to expand beyond
 MDGs

Data exchange with line ministries

- 7 countries interested in developing this through the project
 - 4 are just interested in/ or in the process of improving the coordination and collaboration
 - 3 are also in the process developing the IT tools for data exchange

Central data repository (platform)

- 9 countries are using DevInfo to collate in one place and disseminate online
- In October 2012, DevInfo Support Group released DevInfo version 7 Software
 - Much improved user interface
 - Rich visualization
 - Text search
 - Built-in SDMX Registry
 - CountryData SDMX Mapping Tool
 - Support for SDMX metadata exchange
 - Reviews & deployment rates are positive

Central data repository (platform)

Data repository status as of February 2013;

			Access from			Reference
Country Name	Туре	Status	main website	Hosted	Version	Metadata
Burundi	DevInfo	Online	N	DSG	6/7	Υ
Cambodia	DevInfo	Online	Υ	Local	6/7	Υ
Ghana	DevInfo	Offline	Υ	Local	6	N*
Lao PDR	DevInfo	Online	Υ	Local	6	N*
Liberia	DevInfo	Online	N	DSG	7	N*
Morocco	Other	Offline	N/A	N/A	N/A	N/A
State of Palestine	DevInfo	Online	Υ	Local	6/7	Υ
Rwanda	DevInfo	Online	Υ	Local	6/7	N*
Thailand	StatXchange	Online	Υ	Local	N/A	N
Uganda	DevInfo	Online	N	DSG	6/7	Y (Partial)
Viet Nam	DevInfo	Online	Υ	Local	6	Y (Partial)

Note: Some reference metadata is available in the database but it refers to international practice and is not country specific

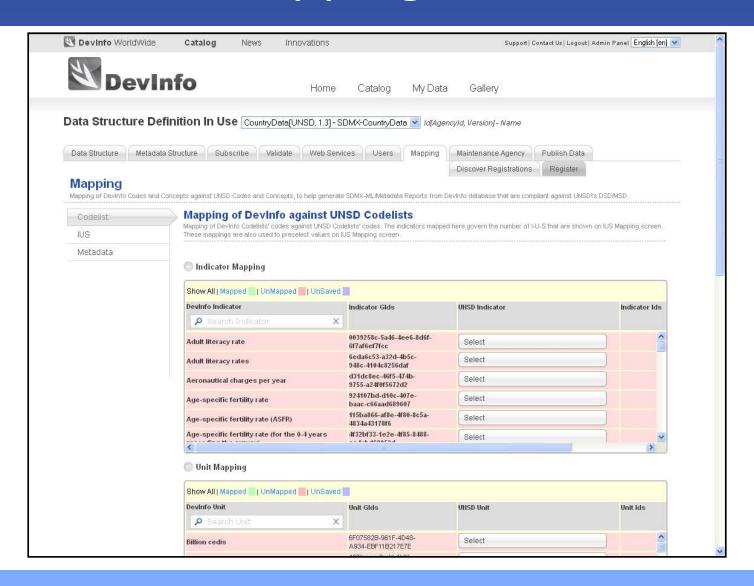
National SDMX Registry

- Facilitates "pull model" for efficient data dissemination
- Sends update notifications to subscribers when data are updated
- Enables automated data and metadata transfers
- Implemented in 9 project countries
- Most project countries use DevInfo v7 Registry

Mapping tool

- To enable SDMX exchange, data and metadata need to be mapped to a given SDMX structure and exported out of the database.
- Mapping and export processes were difficult and convoluted in DevInfo 6.
- At UNSD's request, DSG developed a Mapping Tool to facilitate SDMX exchange.

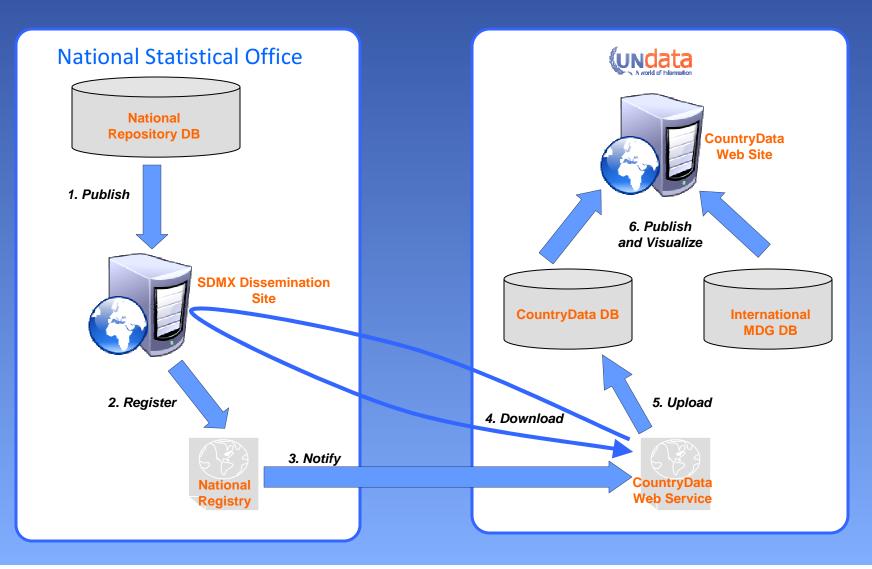
Mapping tool



Mapping tool

- Visual interface that facilitates the mapping of internal database structures and codes to CountryData/MDG Data Structure Definition.
- Process greatly simplified over DevInfo 6.
- Proficiency in SDMX is not required.
- Once mappings are in place, data can be easily exported into SDMX and transferred to CountryData and other data consumers.

CountryData SDMX Data Exchange



Home-grown Solutions

- Thailand's advanced data exchange system, StatXChange, was ported to SDMX with UNSD assistance. Metadata Technology's Fusion Registry was installed to facilitate data sharing, which went live in November 2012.
- Morocco is in the process of upgrading its own indicator database, BDS. Work is well underway to export BDS data into SDMX and establish data exchange with CountryData.

countryData

- Officially launched April 2012, CountryData increases the visibility of country development indicators
- Part of, and linked to, UNdata (over 200,000 hits a month)
- Provides re-dissemination and data visualization
- Platform to assess country indicators against similar international sources

Discrepancy analysis

- Once in the CountryData database, national development indicators are matched with international MDG series.
- Discrepancies are investigated and reported on the Web site.
- Reference metadata crucial in explaining discrepancies.

CountryData Admin Site

- Back-end system for CountryData
- Facilitates discrepancy analysis, and data transfer monitoring
- Work is underway to extend data transfer monitoring to the countries.

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Metadata workshops

Metadata workshops

- Aim is to broaden metadata exchanged and disseminated in NSS, and ultimately improve the way development indicators are communicated
- Continue to conduct metadata workshops in project countries with participants from across National Statistical System (NSS)
- Follow-up with further training once a first draft of the metadata handbook / document is complete
- Continuous process, shouldn't stop with publication of a handbook

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SDMX workshops

International workshops

- Aim is to share experience between countries and build on what was learned in previous workshops
- Follow-up workshops are planned for later in the year and early next year, to be held in the African region.

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More indicators, more metadata and more discrepancies explained

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- Establish data and metadata exchange with remaining 1 country.
- Expand the number of indicators (including non-MDGs), time series and observations exchanged with existing countries.
- Resolve mapping and other issues.
- Expand the functionality of CountryData site.



Further development & installation of IT

Local installation

- Local installations need to be upgraded to version 7
- Internal database inconsistencies may prevent data export to SDMX.
 - -e.g. incorrect subgroup values in DevInfo
- Some data structures are difficult to unambiguously map to MDG SDMX.
 - -We are working to mitigate this issue
- Updates to national databases are not always followed by data publication at an SDMX Registry.

Thank you for your attention

Sources of further reference:



country http://data.un.org/countrydata



MDG Labs http://unstats.un.org/unsd/mdgLabs



http://data.un.org



http://unstats.un.org