

Open Data Initiatives in Nepal

By Manoj Lal Pradhan
Deputy Director General
Central Bureau of Statistics
National Planning Commission
Government of Nepal

Constitutional Provision

- **Fundamental rights:**
 - Right to information
 - Right to privacy
- **Provision of constitutional body on information:**
 - National Information Commission

Open data: Government Initiation

- **Initiated by:**
 - National Information Commission (NIC)
 - Legal basis: Statistics Act 1958 and Right to information Act 2007
- **Knowledge hub:**
 - Central Bureau of Statistics
- **Focal person:**
 - Provision of designate one officer as Information Officer, who is responsible for open data management in his organisation along with other information related responsibility
- **Conduction of National Seminar:**
 - Seminar on Open Data jointly organised by UNPAN and National Information Commission
- **Publication disseminated:**
 - Emerging Use and Impact of Open Budget and Aid Data in Nepal in the context of OD

Partnership: National and International

- **Technical partnership:**
 - Central Bureau of Statistics
 - Other government ministries and departments
 - Local IT communities and data scientists
- **International partnership:**
 - Association with UNPAN Project
 - Joint program of NIC and Governmnet Facility
 - MOU between NIC and UNWOMEN
- **High level representation by government officials:**
 - Open Government Partnership Seminar, Mexico

NIC Endeavor

- **Recommendation:**
 - government to accept to be a member of Open Government Partnership
- **National Action plan:**
 - being prepared for implementing the concept of Open Government Data in Nepal

Features of Action Plan (1)

- **Clarity and implementation:**
 - clarity on Open Government Data
 - formulation of clear work plan
 - designation of roles and responsibilities among the government units
- **Legal and policy framework:**
 - formulation of legal and policy document for practical enforcement OGD

Features of Action Plan (2)

- **Consultative process:**
 - rigorous consultative process adopted to prepare the said action plan
 - participation from different government units, non governmental organisations, media community, IT experts, data users etc.
 - National workshops with the support from UNDESA/DPADM
- **Formation of high level Steering Committee:**

OGD: Provisions Anticipated

- **Review of existing legal and policy framework:**
 - aligning the OGD issues in Statistics and Right to information Act
- **OGD policy formulation and periodic plans:**
 - incorporation of OGD policy in 15 National Periodic Plan
- **Resources/infrastructure management:**
 - HR Capacity building
 - IT infrastructure advancement
- **Collaboration among the different stakeholders:**
 - with possible stakeholders including universities

- **Identification of good practices, communication and motivation:**
 - Adoption of best practices
 - Introduction of Data Culture
 - Motivation to data demand
 - Incentives to supply mechanism
- **CBS role:**
 - Critical role of CBS on citizen right framework
 - Technical capacity building of CBS
 - Knowledge hub
 - Technical "boss"
 - Review of CBS dissemination practices
 - Familiarization of CBS-Public Use Micro-Data Set (CBS-PUMS)
 - Confidentiality
 - Data literacy campaign

Data Producer in Nepal

- Central Bureau of Statistics/CBS
- Nepal Rastra Bank (National Bank of Nepal)
- Ministry of Federal Affairs and Local Development
- Ministry of Finance
- Ministry of Health
- Ministry of Education
- Ministry of Agricultural Development
- Ministry of Cooperatives and Poverty Alleviation
- Ministry of Home Affairs

Data Production by Other Government Agencies

- Nepal Rastra Bank (National Bank of Nepal)
Compiles economic statistics including Consumer Price Index, Wholesale Price Index, external merchandise trade, other current and capital transactions.
- Ministry of Federal Affairs and Local Development
Compiles data on vital events under Department of Civil Registration, and on local government spending.
- Ministry of Finance
Compiles data on revenue and expenditures, including national budget and official development assistance
- Ministry of Health Conducts Demographic and Health Survey (DHS) every 5 years, most recently in 2011.
Compiles health service statistics annually

Data Production by Other Government Agencies

- Ministry of Education
Compiles data on student enrolment, teachers and schools
- Ministry of Agricultural Development
Compiles data on production, area and yields of cereals and horticultural crops as well as livestock and livestock products
- Ministry of Cooperatives and Poverty Alleviation
piloted a national household survey in 25 districts to identify levels of poverty
- Ministry of Home Affairs
piloting a biometric national ID card scheme, surveying 110,000

Data Production by Central Bureau of Statistics, Nepal

1. Census

- Population Census (every ten years) now on 2021
- Agriculture Census (every ten years) now on 2021-22
- Manufacturing Establishments Census (every five years) now on 2018
- Economic Census - First time in Nepal, starting from 2018 April (Planning every five years)

2. Surveys on regular manner

- Multiple Indicator Cluster Survey (MICS) supported by UNICEF for monitoring women, children and household status.
- Nepal Labor force Survey (NLFS) supported by ILO for monitoring employment and labor market developments.
- Nepal Living Standard Survey (NLSS) supported by World Bank for measuring the living standards of the people and determining the level of poverty.

3. Some Adhoc Surveys for fulfillment of national account.

- Vegetable Crops Survey 2009-10
- Urban Population Survey (1996)
- Survey on Hard drug Users in Nepal (2006-07)
- Survey on Small manufacturing Establishment (2008-09)
- Survey on Non-Profit Institution Serving Household (2009)
- Survey of Hotels and Lodges (2003-04)
- Statistical User Satisfaction Survey (2017)

3 Other Adhoc some Surveys for fulfillment of national account.

- Nepal Commercial Poultry Survey (2014 -15)
- Nepal Commercial Floriculture Survey (2015 - 16)
- National Climate change Impact Survey (2016)
- Nepal Multipurpose Production Survey (1990)
- Land Transport Survey (2013)

4. Demographic & Health Survey done by Ministry of Health with support from USAID

Data Dissemination

1. Hard Copy
2. CD-ROM
3. Web Base

- National Data Achieve NADA cbs.gov.np/nada
- Censusinfo 2011 prepared by CBS with financial and technical support of UNFPA and the Government of Switzerland

<http://dataforall.org/dashboard/nepalcensus>

- Nepalinfo (adapted version of Devinfo) produced by CBS for public use in CD-ROM format for every year since 2007 with technical support of UNICEF
[http 2011://www.devinfo.org/nepalinfo](http://2011://www.devinfo.org/nepalinfo)

Raw Data Availability

1. Without any cost

- Multiple Indicator Cluster Survey (MICS) supported by UNICEF for monitoring women, children and household status.

2. With Cost

- Nepal Labor force Survey (NLFS) supported by ILO for monitoring employment and labor market developments.
- Nepal Living Standard Survey supported by World Bank for measuring the living standards of the people and determining the level of poverty.
- other data available in CBS will be made available to users with the specified cost

Process of Getting Raw Data and Mode of Delivery

- Submit/Send request letter
- Make payment with specified charges

Data Delivery

- Not available online
- Small size data can be mailed to the users/buyers
- Big size data can not be mailed but CD-ROM can be sent to the address of users/buyers with postal and mailing charge or representative or users/ buyers can collect CDRom from CBS office.

Data production by other Line Ministries

- Health Management Information System (HMIS) 1994 established by department of health with support of UNFPA <http://dohs.gov.np/information-system/>
- Vital Event Registration and Social Security Management Information System (VERSSMIP) 2015 established by d
- Department of Civil Registration <http://www.docr.org.np>
- Education Management Information System (EMIS) 2004 adopted by Department of Education with support of UNESCO <http://www.doe.org.np>
- Agriculture Management Information System (AMIS) 2015-16 adopted by Department of Agriculture with support of World Bank <http://www.namis.gov.np>

- Labour Management Information System (LMIS) implemented by Department of Labour <http://dol.gov.np>
- Foreign Employment Information Management System (FEMIS) started by Ministry of Labour <http://femis.dofe.org.np>
- Natural Disaster Risk Reduction Portal established by Ministry of Home <http://drrportal.gov.np>
- Environment Management Information System (IEMIS) established by Department of Environment <http://doenv.gov.np>

- Highway Management Information System (HMIS)
published by Department of Road
<http://www.dor.gov.np>
- Building Management Information System (BMIS)
published by department of urban Development
and Building Construction <http://dudbc.org.np>
- Prison Management Information System (PMIS)
published by department of prison management
<http://www.dopm.gov.np>
- Tourism Management Information System (TMIS)
established by the Ministry of Culture, Tourism and
Civil Aviation <http://tourism.gov.np>

- Smart Management Information System (SAMARTHA MIS) published by the Ministry Industry <http://project.focuson.com.np/smartha>
- Industrial Information System (IIS)published by the Department of Industry <http://doind.gov.np>
- Water and Sanitation Data Portal (WATSAN) established by the Department Water Supply and Sewerage <http://dwss.wat-san.com>
- WCD Management Information System (WCD MIS) published by the Department of Women and Children <http://dwd.org.np>

- District Plan, Monitoring and Analysis System (DPMAS) established by the Ministry of Federal Affairs and Local Development <http://mofald.gov.np>
- Line Ministry Budgetary Information System (LMBIS) adopted by the Ministry of Finance <http://lmbis.gov.np>
- Integrated Financial Management Information System (IFMIS) started by the Financial Comptroller General Office
- Project Performance Information System (PPIS) started by National Planning Commission <http://www.nnfsp.org.np>

Administrative Data

- Different government are producing the administrative data but those are being used by themselves for their monitoring and evaluation of respective program.
- Those administrative data produced by them have not yet been fully used for statistical purpose due to inaccessibility as well as differences in concept, definition and methodology used.
- If these data could be used for statistical purpose the burden on censuses and surveys will be greatly reduced