Open Data Initiative India
Open Data Platform
data.gov.in

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Why Open Government Data?

• Evidence-based Planning of socio-economic development processes rely on quality data

• Government Collects, Compiles & Possess huge data
  Census, weather, market prices, Eco Indicators, price index, Demographic, Crime, Survey, geo spatial data,..

• Often Little Used
• Analyzed from one perspective
• Possess huge untapped potential
• Collected using tax payers money

Open data is machine readable data that can be used, reused and redistributed by anyone
National Data Sharing & Accessibility Policy (NDSAP)

- NDSAP was formulated through an extensive process of consultation. It was gazette notified on 17th March 2012

- **NDSAP mandates all Ministries/Departments to release maximum possible datasets in the public domain**

- NDSAP is applicable to
  - All sharable non-sensitive data
  - Government Ministries, Departments, & Associated Offices
NDSAP: Implementation Guidelines

- NDSAP Data Controller
- NDSAP Cell
- Data Formats
- Metadata Schema
- How to release datasets in Open Domain

NIC Coordinators for NDSAP
Types of Government Data

- Historical
- Statistical
  - Surveys, Census, Data Banks,……
- Governance
  - Crime, Road Safety, Telecom, Budget, Registrations
- E-Gov Systems
  - Electronic Delivery of Services
  - MMPs (MCA21, Passport,…)
- Live/Real time data
  - Traffic, Pollution, Weather, Space
- Geospatial Data
Open Data Principles

- Complete
- **Primary**: as close to the source as possible
- **Timely**: as quickly as possible to retain value
- **Accessible to All**, with no (financial or technical) barriers
- **Machine readable** for automatic processing
- **Non-discriminatory**: anyone for any purpose
- **Open standards**
- **Open license**: no legal barriers against re-use
High Value Datasets

- Can increase govt accountability
- Can increase govt responsiveness;
- Improve public knowledge of govt functioning
- Can be used to create value added services
- Create economic opportunity;
- Respond to need and demand of citizens
Open Data Formats

Open Data format is one that is platform independent, machine readable, and made available to the public without restrictions that would impede the re-use of that information.

- Open Data Formats:
  - CSV, ODT, XLS, XML, RDF, RSS, Atom, KML, GML
Linked Open Data

Linked Open Data
On the web
Machine-readable data
Non-proprietary format
RDF standards
Linked RDF

IS YOUR DATA 5★?
Why data portal?

- Single Point Access
- Permanence of Address
- Standard Metadata
- Enhanced Discoverability
- Compliance to Policy
- Visualization
DATA PORTAL INDIA: data.gov.in

- Facilitates Citizen Engagement
- Rate Data Sets
- Comment on quality of Datasets
- Embed Datasets in Website, Blogs, Social Media Pages
- Provision to Suggest Datasets
- Communities of Specific Interest

The Vigilance & Monitoring Committees (V&MCs) constituted by the Ministry of Rural Development at State and district levels are expected to function as an important instrument for effective monitoring of implementation of rural development programmes.

This is a website that will serve as a central guide for health and health care related data sets, applications, tools which will help a person to know better not only about their own health but also the national health scenario and enable them to solve their problems in a better way. Datasets are available online to make it accessible for public and in order to help the developers in developing innovative health related applications and

This Agriculture community is meant for the best farmers of the world to come together, participate, research, discover and compete to develop new and innovative technologies or apps to drive easy sharing and usage of government data. You can post your applications, challenge other farmers, ask questions and request for what you need and also share your experiences about how the data or community turned out to be helpful for you. The community will also be updated timely on the latest developments and new web-based technologies making it a one-stop solution for everything农副.
### Potential of OGD in India: Citizen Engagement, Community Collaboration

- Open data shall enhance transparency & accountability in government functioning
- Open data shall lead to informed decision making & better planning by government
- Open data can be used to create value Added & Innovative services for citizens
- Open data can enhance reach of government information & services by creation of customized & localized services
OGD: Ecosystem

- Government
- Citizens
- Developer Community
- Data Journalists
- Data Evangelists
- Data Scientists
Apps development

- Hackathon
- App Contest
- Developer challenge
- Code for India
- Code for Bharat
Sector specific App challenges

- Different departments can organize app contest like planning commission
- Health, Agriculture, Education, ……
- ODP can give tech support
Q & A
Open Data Platform, India

Data Management
- Data Catalogs
- Workflow
- Standard Metadata
- Validation
- Analytics

Data Portal
- Single Point Access
- Search & Discovery
- Open Formats
- Citizen Engagement
  - Rate
  - Social Media Connect

Government

Citizens

Feedback, Discussions, Ideas

Agriculture

Communities

Education

Health

Energy