

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

Neeta Verma

Deputy Director General
National Informatics Centre
DeitY, Government of India

neeta@nic.in

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



सत्यमेव जयते



12th Five Year Plan Hackathon

Create for Change. Code for Change

Registrations now open till 4th April midnight

Built on Open Source Technology

DATASETS

346 Datasets
19 Departments participating

APPS

3 Apps
0 Mobile Apps
2 Departments participating

ANNOUNCEMENTS

- ▶ Communication from The Cabinet Secretary Secretaries for early implementation of NDSAP
- ▶ 77 Data Controllers Nominated

RECENT SUGGESTIONS

14.12.12 states a survey carried out by TERM-Cell of DoT "52,000 villages are yet to be connected with..."

Sir, Kindly provide the data regarding the total...

SUGGEST
A DATASET OR ENDORSE
from Received Suggestions Ideas

USEFUL LINKS

- ▶ NDSAP Implementation Guidelines
- ▶ Contribute Datasets/Apps
- ▶ NDSAP Notification

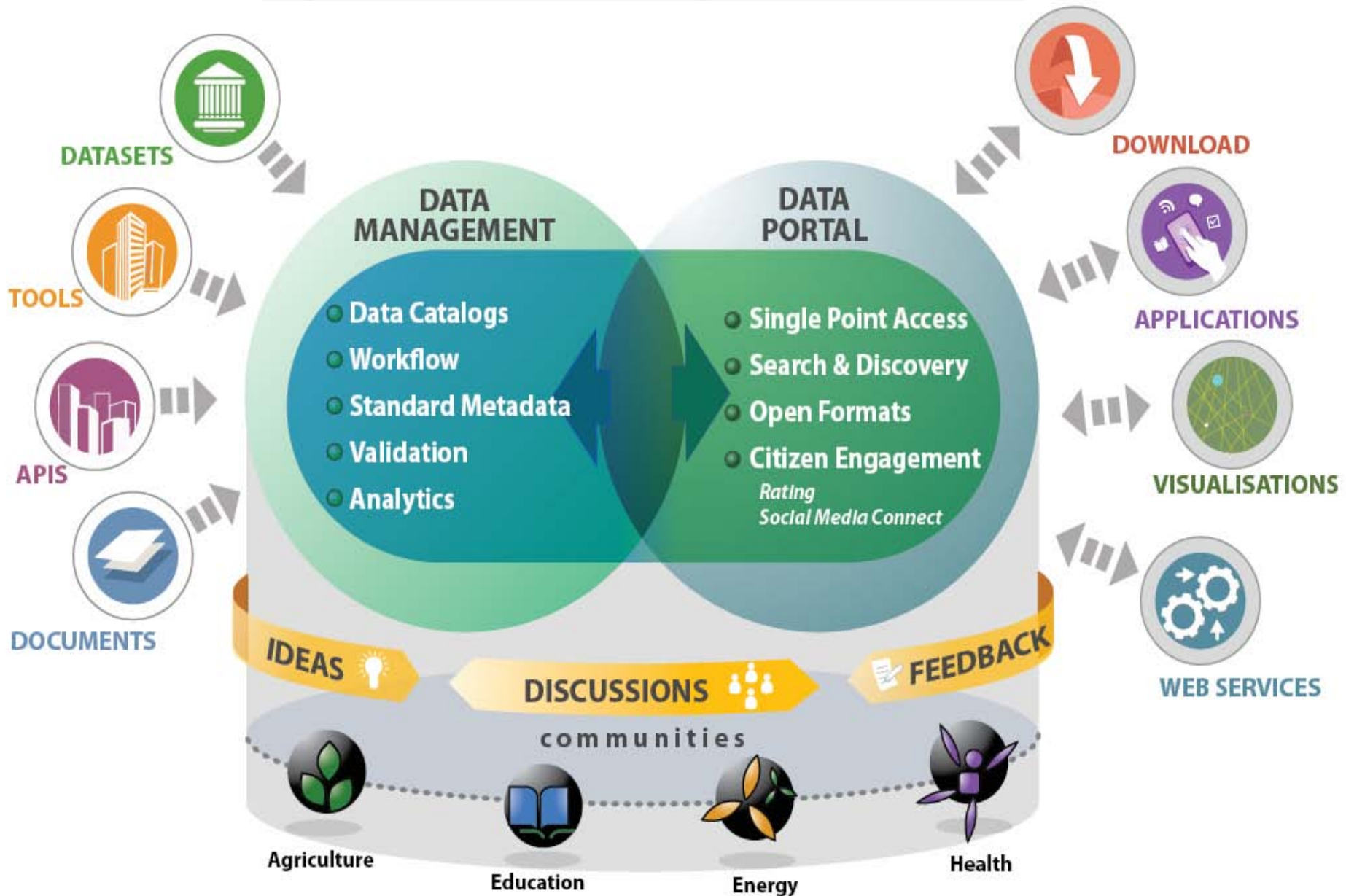
REGISTRATIONS NOW OPEN TILL 4TH APRIL MIDNIGHT

12TH PLAN HACKATHON

On 6th & 7th APRIL 2012



Open Data Platform, India



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

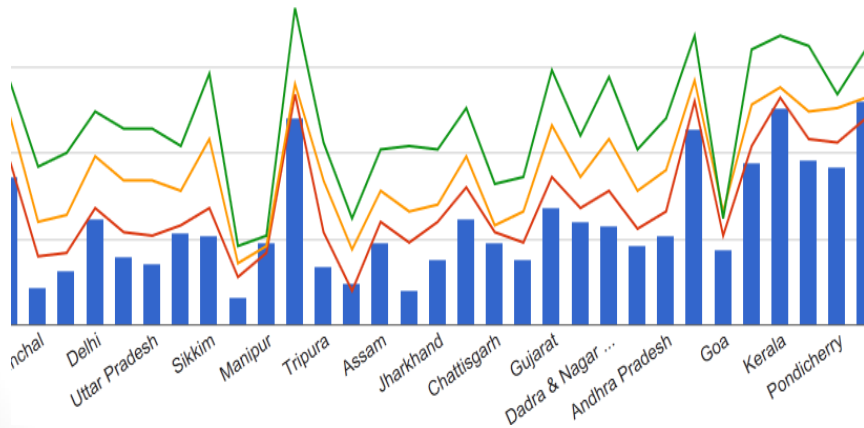
The screenshot shows the 'data.gov.in' logo and 'DATA PORTAL INDIA beta' in the top left. A navigation bar contains links for 'DATASETS', 'APPS', 'METRICS', 'COMMUNITIES', 'WW DATA SITES', and 'SEARCH'. Below the navigation bar, the breadcrumb 'Home > Dataset Export Tool' is visible. The main heading is 'Dataset Export Tool'. The dataset title is 'Estimated Stock of Science and Technology Personnel'. On the left, there is a green box with the text 'Dataset Provided By Contributor:' and a green 'EXCEL' button. On the right, there is a yellow box titled 'Download a copy of this dataset in:' with icons and labels for XML, CSV, JSON, JSONP, and XLSX.

Linked Open Data



Why data portal?

- Single Point Access
- Permanence of Address
- Standard Metadata
- Enhanced Discoverability
- Compliance to Policy
- Visualization



The screenshot shows the data.gov.in website interface. The browser tabs include 'NICEmail Version 7', 'Financial Progress in The Eighth, Ninth and Tenth Plan Period', and 'Reliance Netconnect'. The URL is 'data.gov.in/dataset/financial-progress-st-eighth-1992-97-ninth-1997-2002-and-tenth-2002-07'. The page title is 'Financial Progress in The Eighth, Ninth and Tenth Plan Period'. The navigation menu includes 'DATASETS', 'APPS', 'METRICS', and 'COMMUNITIES'. The main content area shows the dataset details:

Category	Field	Value
BASIC INFO	Title:	Financial Progress in The Eighth, Ninth and Tenth Plan Period
	Description:	The table pertains to plan-wise financial progress in Science and Technology Agency (STA) during the Eighth, Ninth and Tenth (2002-07) plan. The data are taken from the Plan Expenditure, Plan Outlay, S&T Agency
MORE INFO	Keywords:	Plan Expenditure, Plan Outlay, S&T Agency
	Download:	EXCEL Dataset Export Tool
CONTACT	Reference Information:	http://www.nstmis-dst.org/

Below the dataset details, there is a bar chart showing financial progress across various states for the period 1997-98 to 2002-07. The x-axis lists states: Andhra Pradesh, Assam, Bihar/Jharkhand, Gujarat, Haryana, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, and West Bengal. The y-axis represents financial progress values. A tooltip for the year 1997-98 shows a value of 568.

DATA PORTAL INDIA : data.gov.in

- **Facilitates Citizen Engagement**

Communities

- **Rate Data Sets**
- **Comment on quality of Datasets**
- **Embed Datasets in**

Website, Blogs, Social Media Pages

- **Provision to Suggest Datasets**

- **Communities of Specific Interest**



This developers' corner is meant for the developers 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 developers, 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. You can post your suggestions for new web-based and mobile applications.



This community will help you to have an insight into the energy conservation and energy resources. The datasets available will help you to analyze the energy issues related to your business plans, communities, proposals, and projects. You can post your suggestions on the energy conservation and energy resources in the most optimal way. It will work towards helping people in better decision making regarding usage of energy resources and its conservation as a community.



This community will provide you with high value government data or datasets gathered from various agencies to provide authentic information on the standards of education on all levels. It will not only provide information on the standards of education but also help in meeting the challenges of education. You can post your suggestions across institutions. The tools and challenges will help in efficient data sharing and innovation amongst students. You can ask questions and post queries which will help us know you better. Please visit the more often for updated datasets and resources.



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

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



Apps development

- Hackathon
- App Contest
- Developer challenge
- Code for India
- Code for Bharat



WIN RS. 1 LAKH

FOR THE BEST M-APP FOR PUBLIC/ GOVT SERVICES

second prize: Rs. 50,000

PARTICIPATE NOW!

third prize: Rs. 25,000

Last date 31-Mar-2013

www.mgov.gov.in

C O N T E S T

FRIDAY, OCT through
SUNDAY, OCT
Cash prize of \$ to the winn



Sector specific App challenges

- Different departments can organize app contest like planning commission
- Health, Agriculture, Education,
- ODP can give tech support

REGISTRATIONS NOW OPEN
TILL 4TH APRIL MIDNIGHT

**12TH PLAN
HACKATHON**
On 6th & 7th APRIL 2013

2010 Health 2.0
**DEVELOPER
CHALLENGE**

HopeLab

Catch

Move Your App!



Q & A

Open Data Platform, India

Government

Citizens

