GOVERNMENT SYMPOSIUM
Presented by Red Hat

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THE POWER OF OPEN SOURCE INNOVATION

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शून्य

śūnya

nothingness

zero

Crystalised by Brahmagupta (*and variously by ancient Mayan, Babylonian and Chinese societies*) from between 2000 BCE and 500 CE

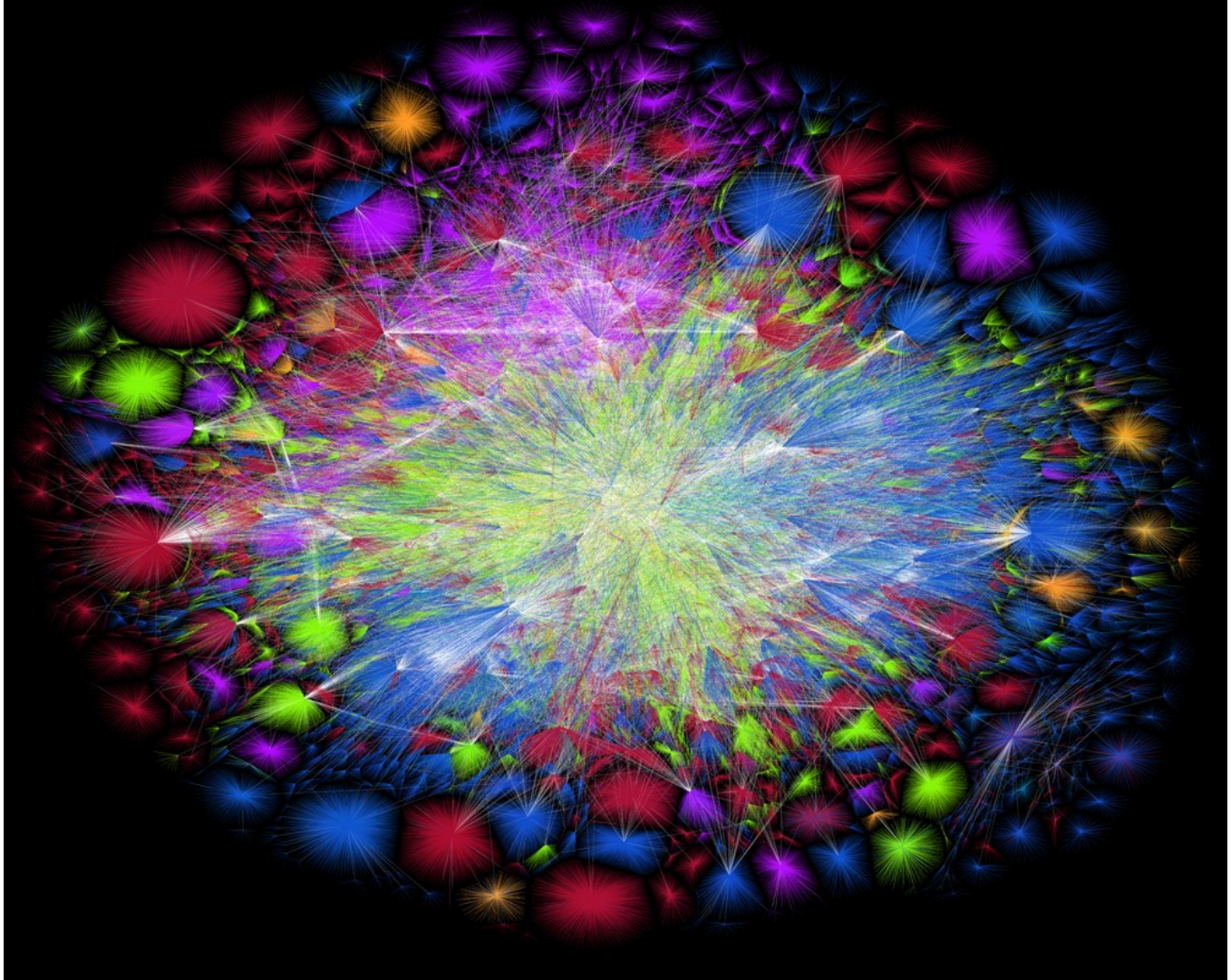
If *only* they could have shared this 4,000 years ago, we could be on Mars (and beyond) by now!

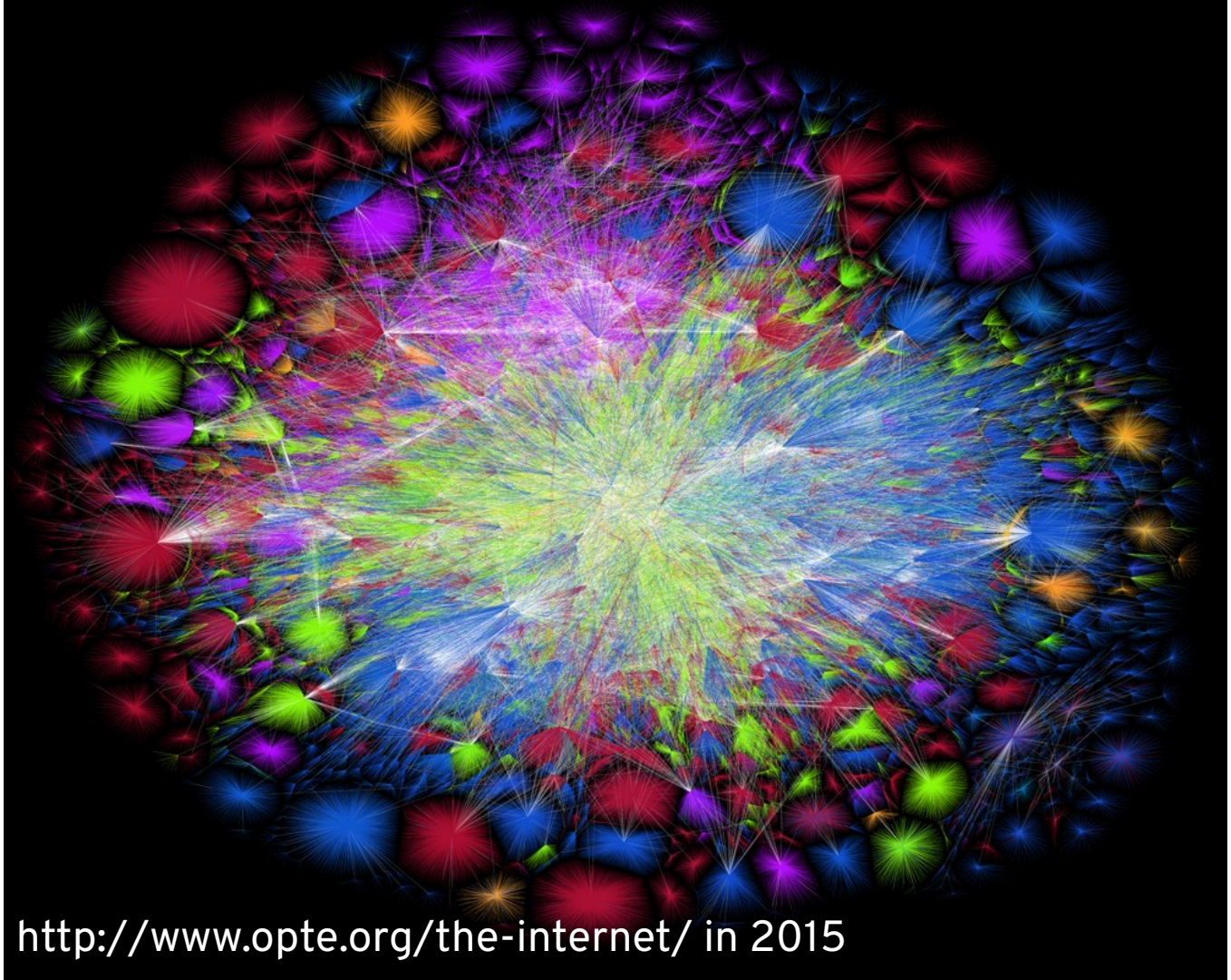
SpaceX’s Falcon Heavy Launched 6th February 2018

Sharing was possible, but not easy then

Fast Forward to the 20th century

We solved *the ease of sharing* problem





http://www.opte.org/the-internet/ in 2015

The Internet

The invention that's *on par* with the invention of writing and printing

The Internet is built and run by software and hardware

where the software is *Free* Software*

*Free as in Freedom

Free* Software -
openly and collaboratively built to
freely available open standard specifications

*Free as in Freedom

Free* Software has deep philosophical, societal, individual and intellectual grounding of fundamental human expressions:
to use, to learn, to adapt and to share

*Free as in Freedom

The English language, however, does not help with the word “free”

The English language, however, does not help with the word “free”

99% of the time “free==no cost”

20 years ago this month, the marketing term
"**open source**"[1]
was coined by Christine Peterson[2]
and has gained very wide usage

[1] https://opensource.org/history
[2] https://en.wikipedia.org/wiki/Christine_Peterson

The Free Software/Open Source-based Internet has driven the global economy for the last 28 years - since 1990

That’s almost three decades of rapid innovation that has brought over half of humanity online

As we get into the
Fourth Internet Decade and the
Third Free/Open Source Decade
what's next?

As people get empowered by the Internet
and Free/Open Source Software,
we are now experiencing a *Cambrian* explosion
of innovation in every sphere of human activity

I would like to do a thought experiment.

What if I stopped the Internet now?
No wifi, no mobile data, *śūnya*.

I predict there will be
lots of very unhappy people

Every economic sector is reaping the benefits:
transport, finance, education, mining, communications, manufacturing, entertainment, agriculture

And yes, even government.

Government/public sector is a special case

Governments, unlike businesses, do not have the option of choosing their customers – *they have to serve all*

How could Governments serve all,
and do it well enough to meet (exceed) the
expectations of the populace?

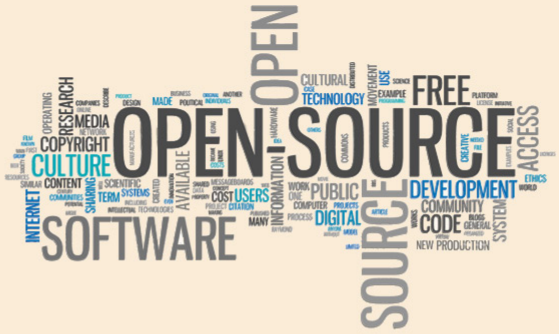
This is where Free/Open Source becomes the *foundational*, bedrock framework

The Digital India initiative has clear targets on wide range of e-government services.

*For this initiative to see Cambrian growth, Open Source is the **only** way forward*

OpenForge

Government of India's platform for open collaborative software development of e-Governance applications.



Who can use OpenForge

OpenSource Developers | Governments | Startups | Academia/Students | Corporations | Industries | Scientific Institutions

View Trending Projects or Browse all OpenForge Projects

Latest Projects

> **247Buddy**
Talk to someone and pour your heart out or listen to someone who wants to be heard anonymously....

> **Pulkit Aggarwal**

Most Popular Projects

> **Unified Payment Interface**
Discuss platform level issues / ideas of Unified Payment Interface...

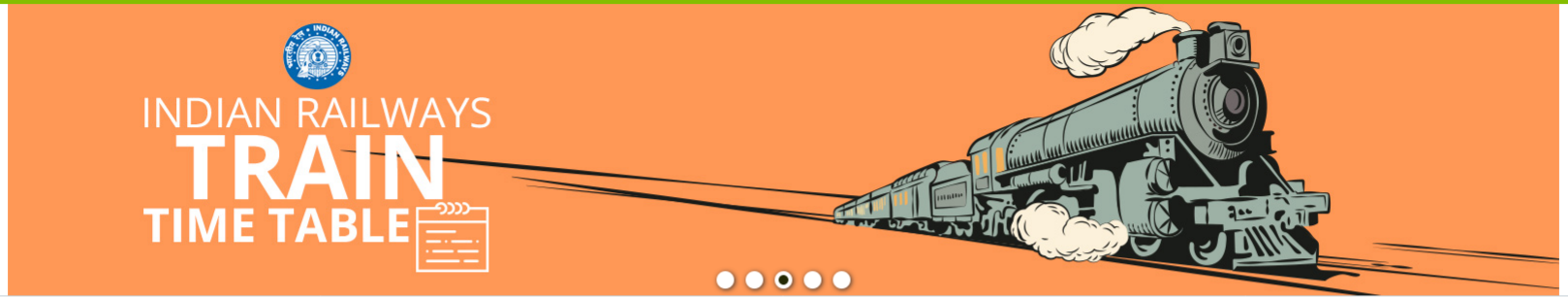
> **Flyover-RoadReady**

It is extremely heartening to see openforge.gov.in.

data.gov.in
Open Government Data (OGD) Platform India

Type search keyword

LOG IN | REGISTER

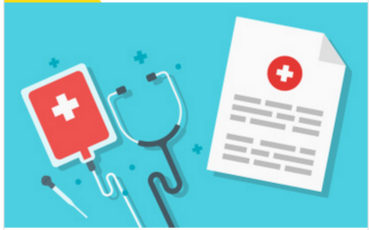


ANALYTICS

- 157,635 RESOURCES
- 4,273 CATALOGS
- 109 DEPARTMENTS
- 14.94 M TIMES VIEWED
- 5.49 M TIMES DOWNLOADED
- 115 CHIEF DATA OFFICERS
- 3,598 APIs
- 1,312 VISUALIZATIONS

VISUALIZATION GALLERY

CATALOG



Health Management Information System

SECTORS

HIGH VALUE DATASETS

TRANSPORT TIMETABLES	GOVERNMENT BUDGET	COMPANY REGISTER
NATIONAL STATISTICS	LEGISLATION	ENVIRONMENT
AGRICULTURE	HEALTH PERFORMANCE	MORE

SUGGEST A DATASET

Your Name

Your E-mail Address *

Suggest the Dataset or App *

data.gov.in and openforge.gov.in,
the ying and the yang, is crucial in a 3-prong stage to set the open source collaboration on fire!

So what would the third prong be?

The Third Prong

1) No vendor lock-in (tax-payer funded, remains open to all)
2) The right to change and distribute inside or outside the government
3) Security (and reproducibility)
4) Participate in the developer, user, enthusiast communities
5) Clear licenses (opensource.org compliant) – no Contributor Licensing Agreements
6) Insurance that the project/products exists and is being developed
7) **Commercially supportable/accountable**

In summary, open data, open collaboration, clear rules, are critical building blocks for reaping the benefits of open source innovation

Thank you.

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