- **Keep another handheld device ready with you.**

  OR

- **Keep open another Tab of your browser**

Before we begin !!!

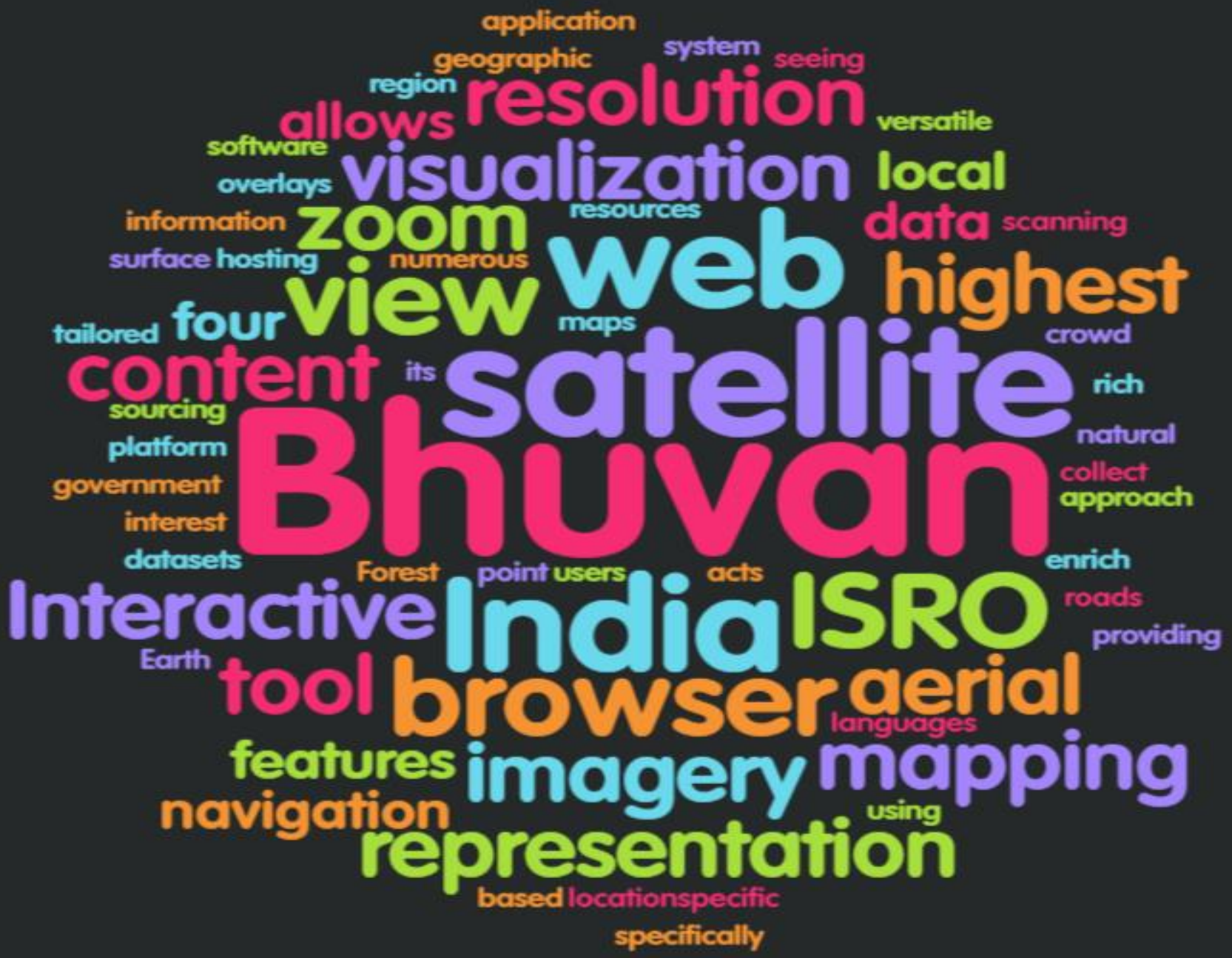
Be the Force for the Good

Exploring Bhuvan - Indian Geoportal

Today's Session

What is Bhuvan Geo-portal?

- Getting Familiar with it.
- Hands on activities.
- Classroom applications & ideas?


application
geographic
system
seeing
region
resolution
allows
versatile
software
visualization
local
overlays
resources
information
zoom
data
scanning
surface
hosting
numerous
web
highest
view
four
tailored
maps
crowd
content
its
satellite
rich
sourcing
natural
platform
Bhuvan
collect
government
approach
interest
datasets
enrich
Forest
point
users
acts
roads
Interactive
India
ISRO
providing
Earth
tool
browser
aerial
languages
features
imagery
mapping
navigation
using
representation
based
locationspecific
specifically

Advantages of BHUVAN

- 2D & 3D visualization interface.
- Collaborative mapping
- Thematic mapping
- Mark Points & Lines
- Measure Distance, Area
- Interrogate and retrieve spatial features
- Add your own layers
- Terrain Profile
- Comparative Analysis
- Swipe visual information

Why Use them?

Allows for pedagogical strategies

- Cooperative learning
- Active learning
- Experiential Learning
- Inquiry
- Constructivism

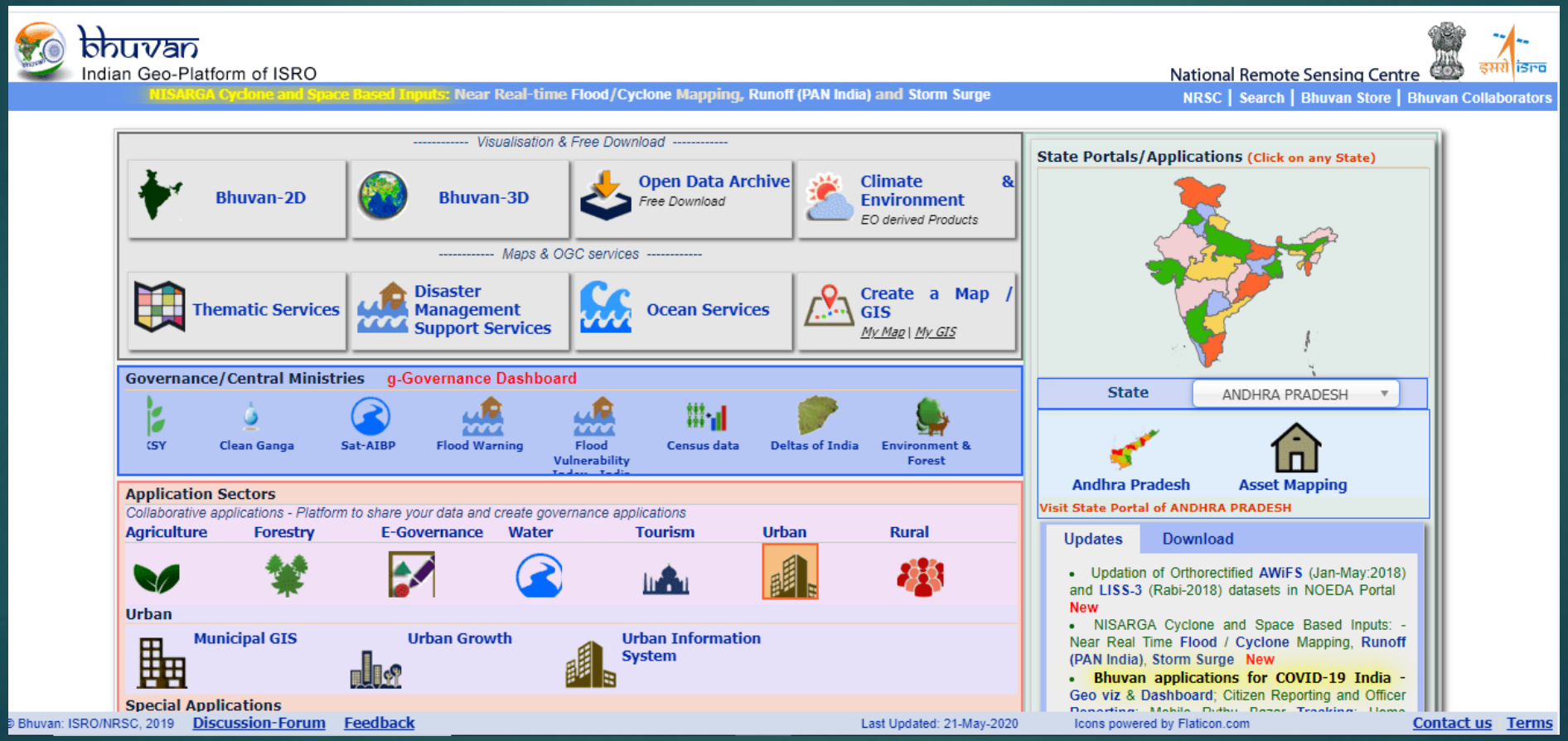
- What is Bhuvan Geo-portal

Getting Familiar with it.

- Hands on activities
- Classroom applications & ideas?

Getting Familiar with the Bhuvan

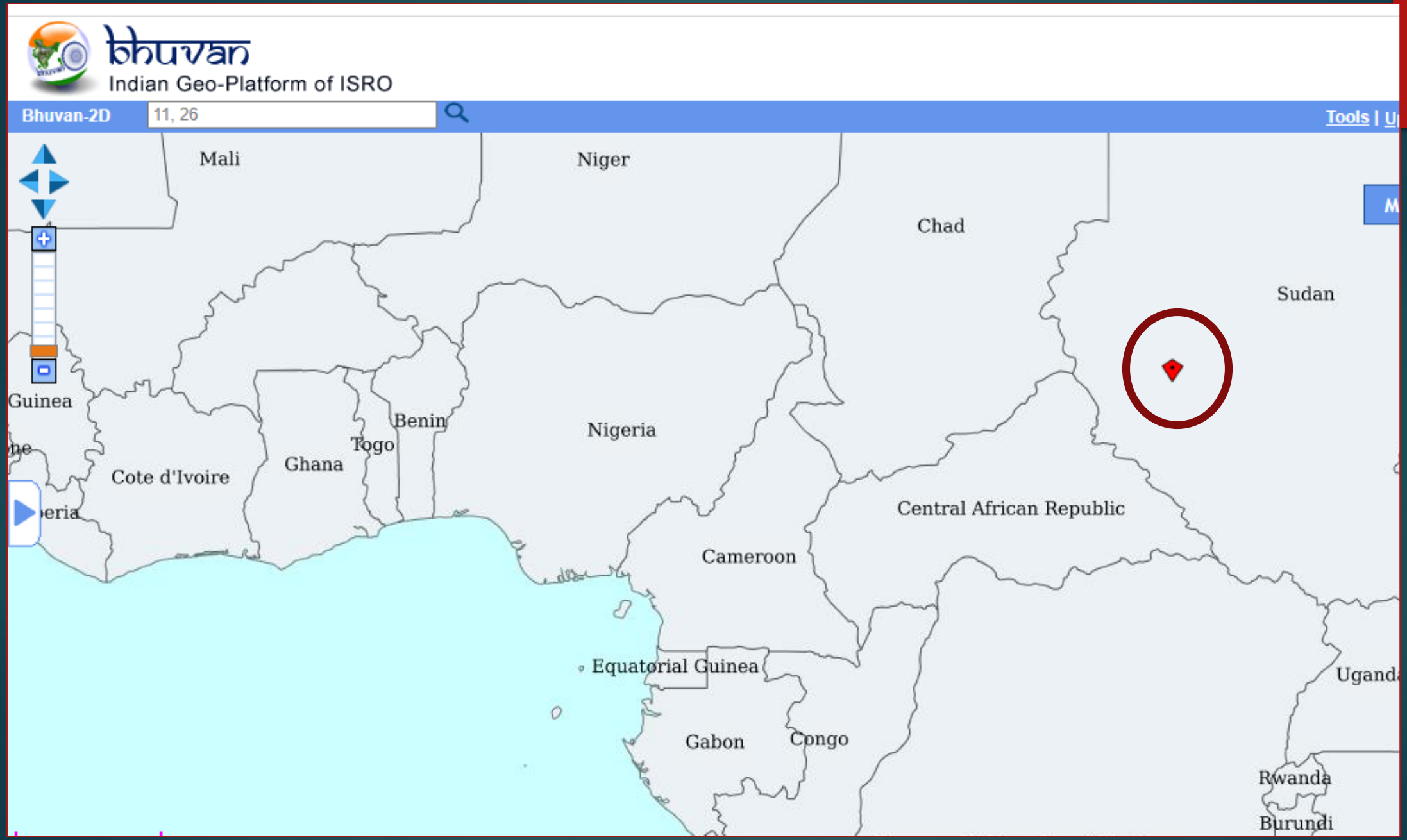
bhuvan.nrsc.gov.in



Fly to your Birthday Coordinates

- Use the month for latitude and day for longitude. For example, if your birthday is November 26, your coordinates could be 11°N, 26°E.
- Search for 11, 26 on **Bhuvan2D**

Which country did you land on?


bhuvan
Indian Geo-Platform of ISRO
Bhuvan-2D
11, 26
Tools
Mali
Niger
Chad
Sudan
Guinea
Benin
Togo
Ghana
Nigeria
Cote d'Ivoire
Central African Republic
Cameroon
Equatorial Guinea
Gabon
Congo
Rwanda
Burundi

- What is Bhuvan Geo-portal
- Getting Familiar with it.

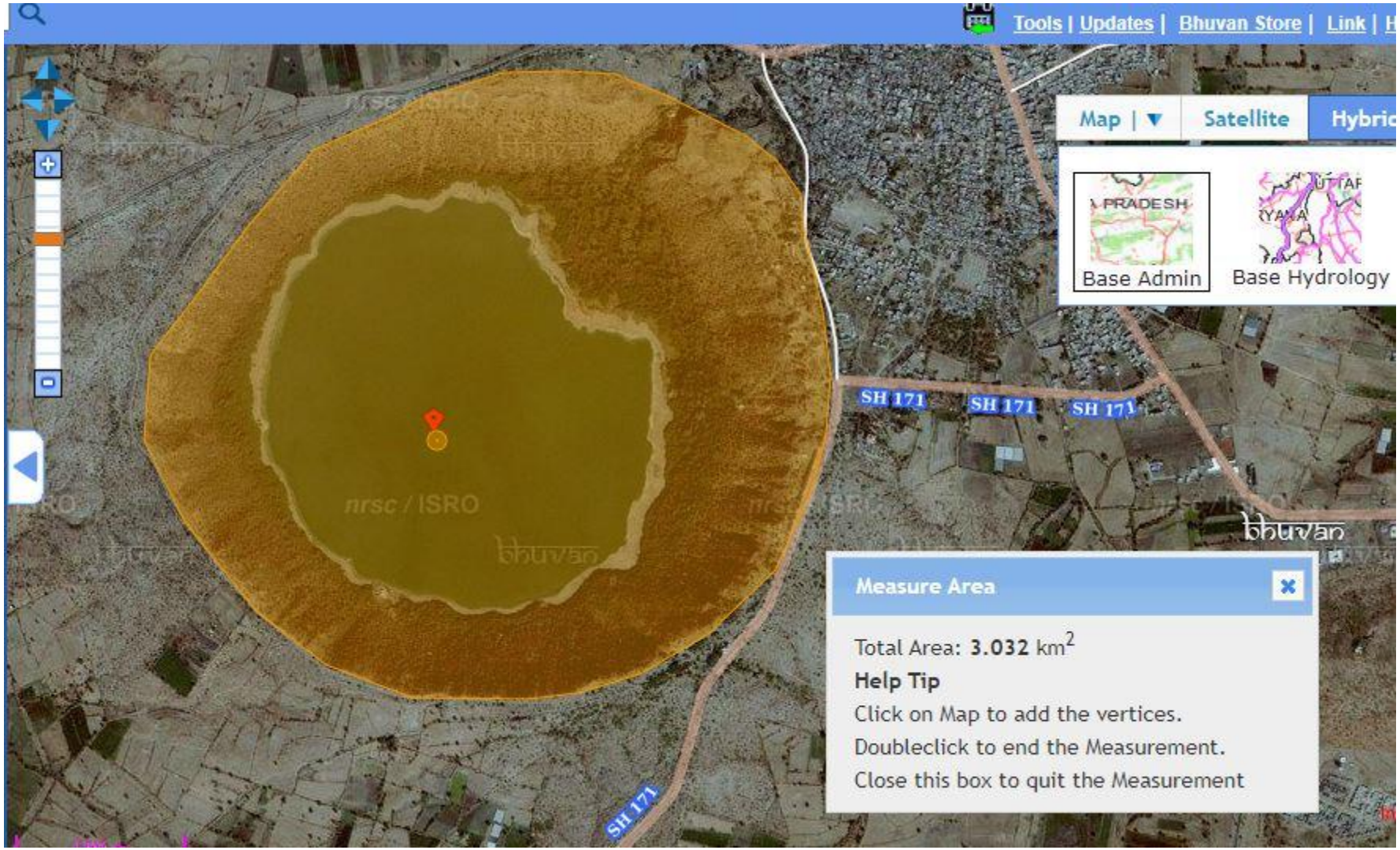
Hands on activities

- Classroom applications & ideas?

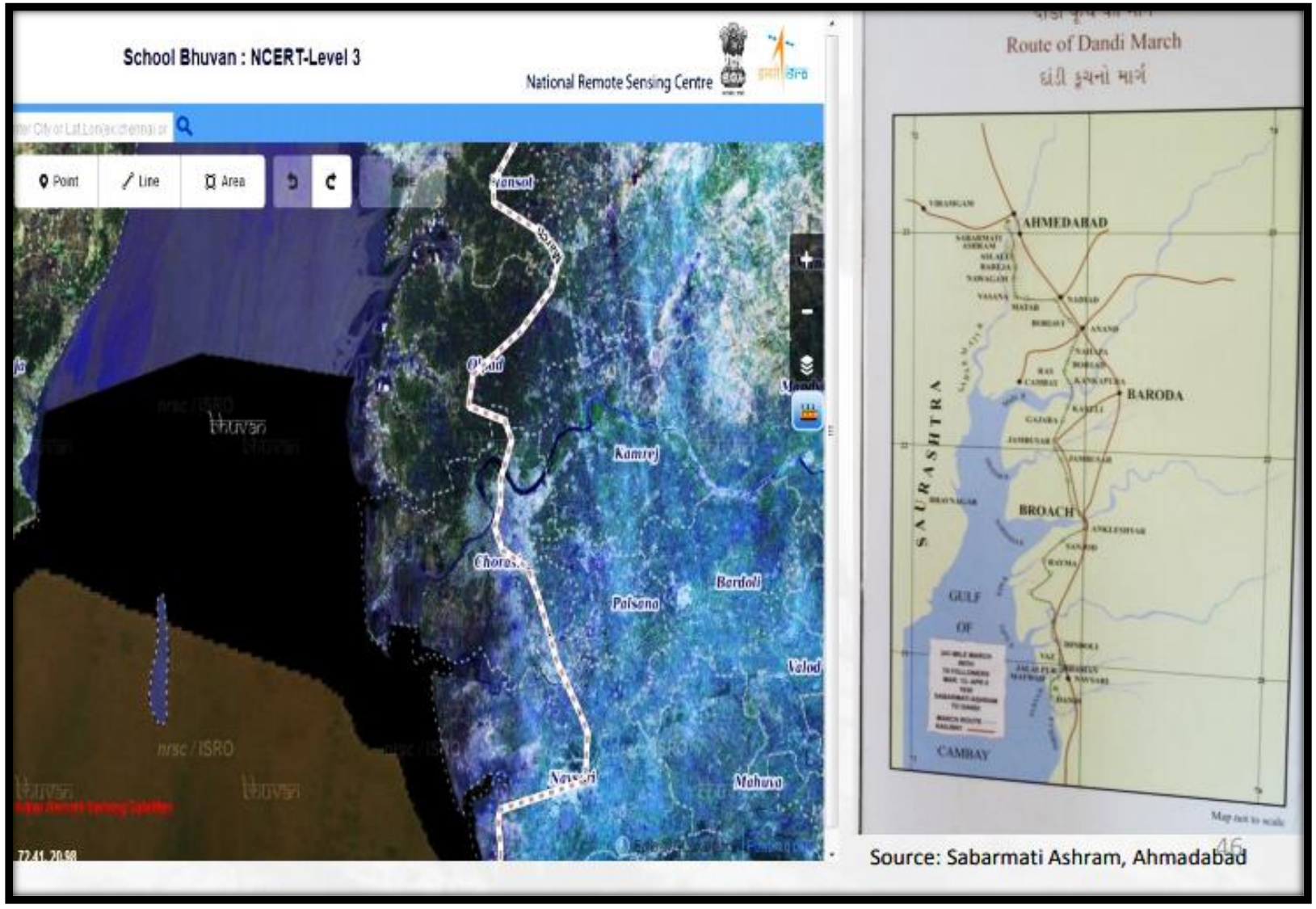
Passport Activity

Using the Search bar in Bhuvan web **randomly select a location or choose to preselect a location** in India/your State and relate it to multiple content areas.

Lonar Lake in Buldhana of Maharashtra



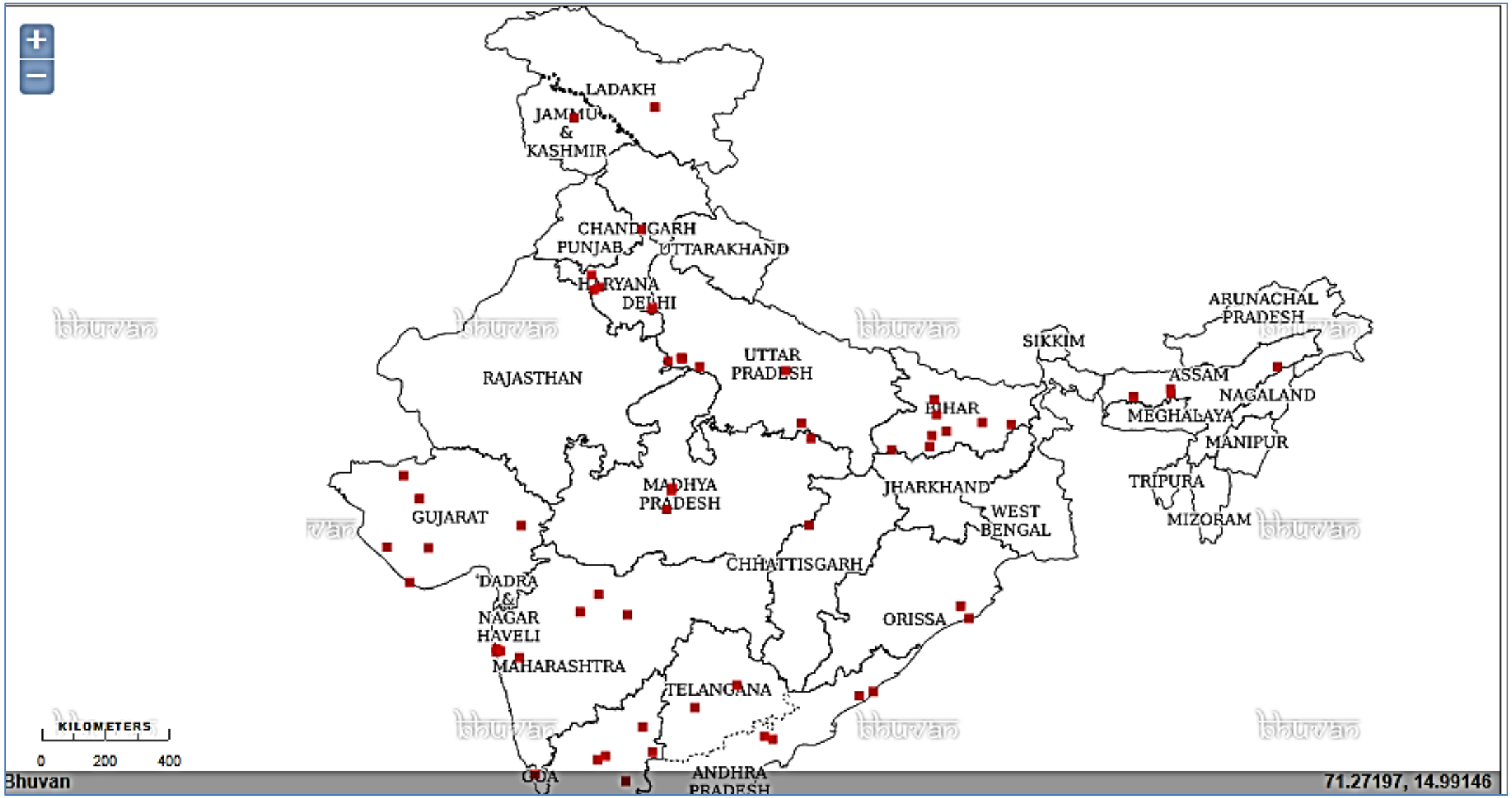
Dandi March: Salt Satyagraha



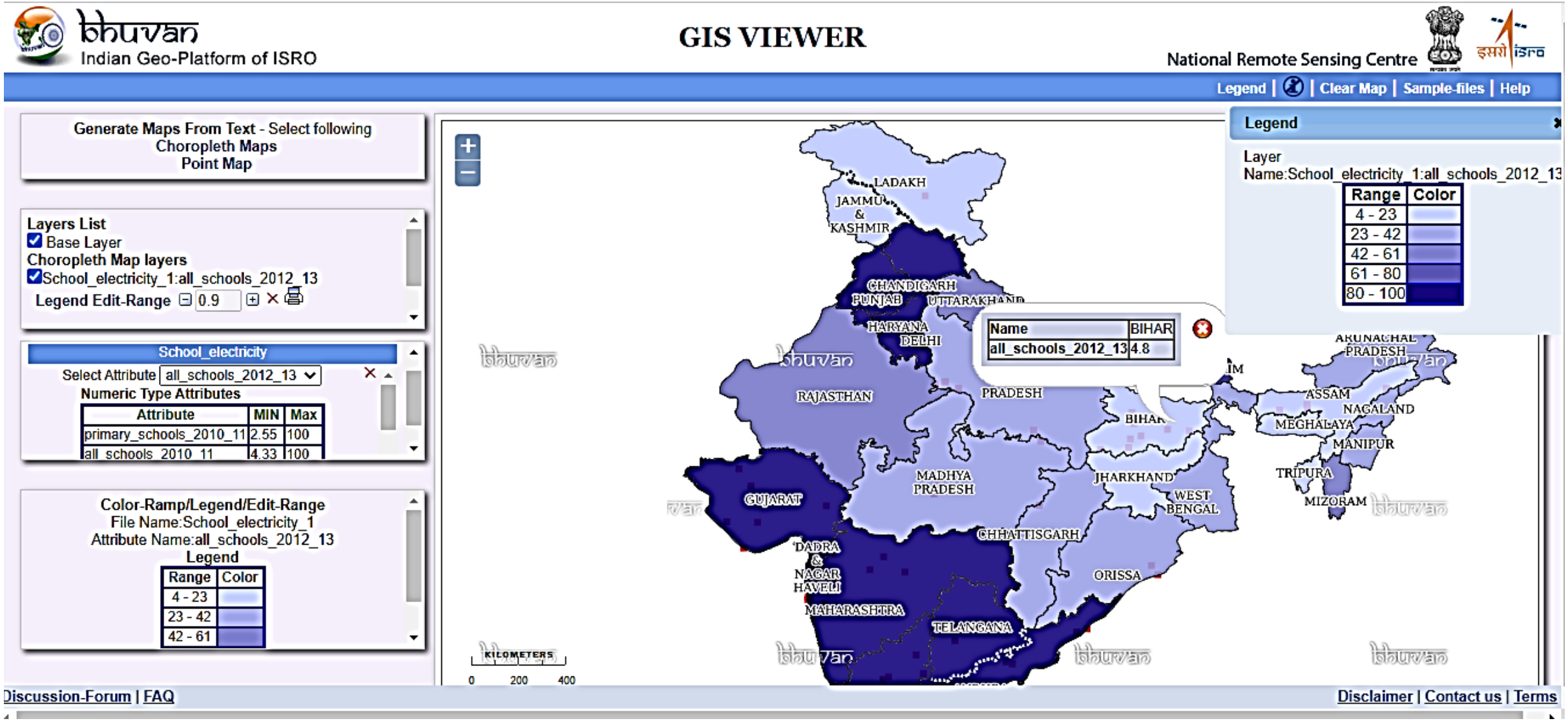
Source: Sabarmati Ashram, Ahmadabad

Source:
Dr. Aparna Pandey
Professor of Geography
NCERT, New Delhi

Selected Archaeological Sites - India



Thematic Mapping



Bhuvan in Social Science

- What is Bhuvan Geo-portal
- Getting Familiar with it.
- Hands on activities

Classroom applications & ideas?

Our Home – Intra-Class or Inter school Collaborative activity

- Use the Bhuvan 3D to foster student exploration of the ways that people around the country are living and compare and contrast others lifestyles to their own.
- Finally, students will apply their understanding of a different lifestyle by creating a journal entry written from the perspective of a student living in that community.

Other Suggestive activities

- Measure distances between two different destinations (e.g. school and home).
- Measure and compare the roof area of houses (students compare their roof area with a friend).

Other Suggestive activities

- Exploring location and general mapping skills including compass directions (north, south, east and west).
- Consolidate positional language with younger students.
- Explore various layers and discuss causes and effects.

- Maps can help us and our communities stay safe
- Map city hand-washing and hygiene stations.
- Map the spread of coronavirus cases in the City
- Map where to get tested for coronavirus in the City
- Live Polls: Crowd source information
- Engaging: Everybody is heard

More Ideas for the Classroom

Happy Geo-Porting !

THANK YOU

सत्यमेव जयते

MHRD | National ICT Award to Teachers

Ministry of Human Resource Development, Government of India

Microsoft MIE TRAINER 2017-2018

Microsoft MIE MASTER TRAINER 2017-2018

NATIONAL GEOGRAPHIC | CERTIFIED EDUCATOR

Microsoft CERTIFIED MIE

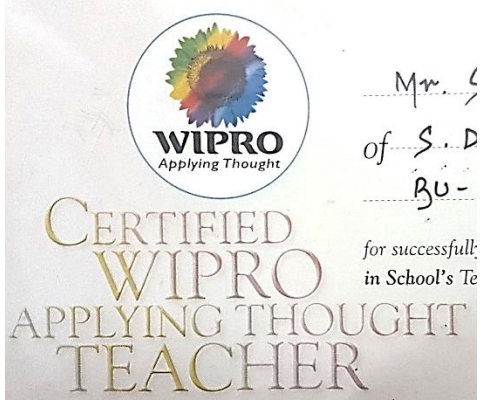
Microsoft

UNESCO

United Nations Educational, Scientific and Cultural Organization

UNESCO Bangkok
Asia-Pacific Programme of
Educational Innovation for Development

Japanese Funds-in-Trust



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