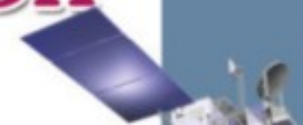


Class-3

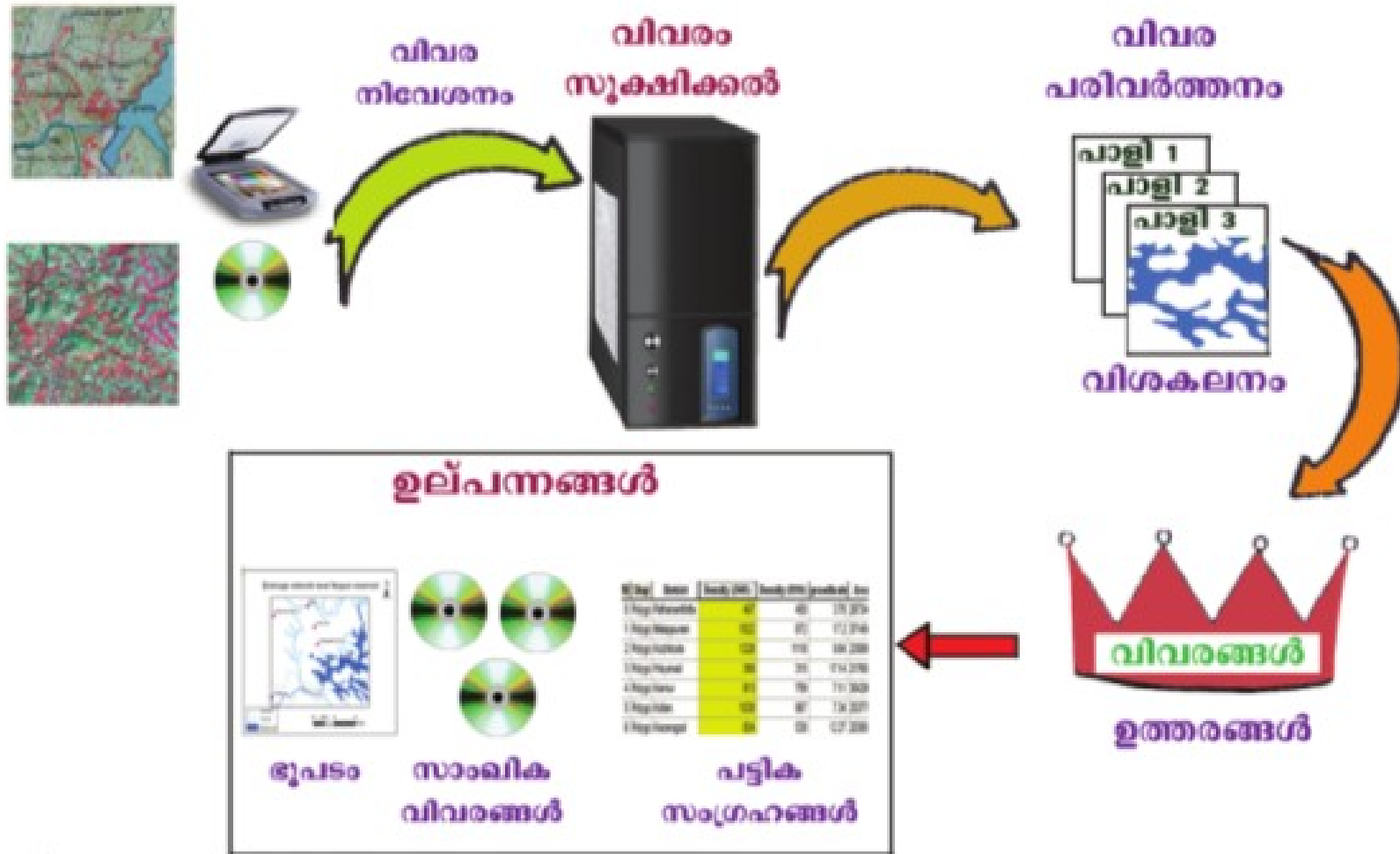


6

**Eyes in the sky and
Analysis of Information**



ഭൂവിവര വ്യവസ്ഥ



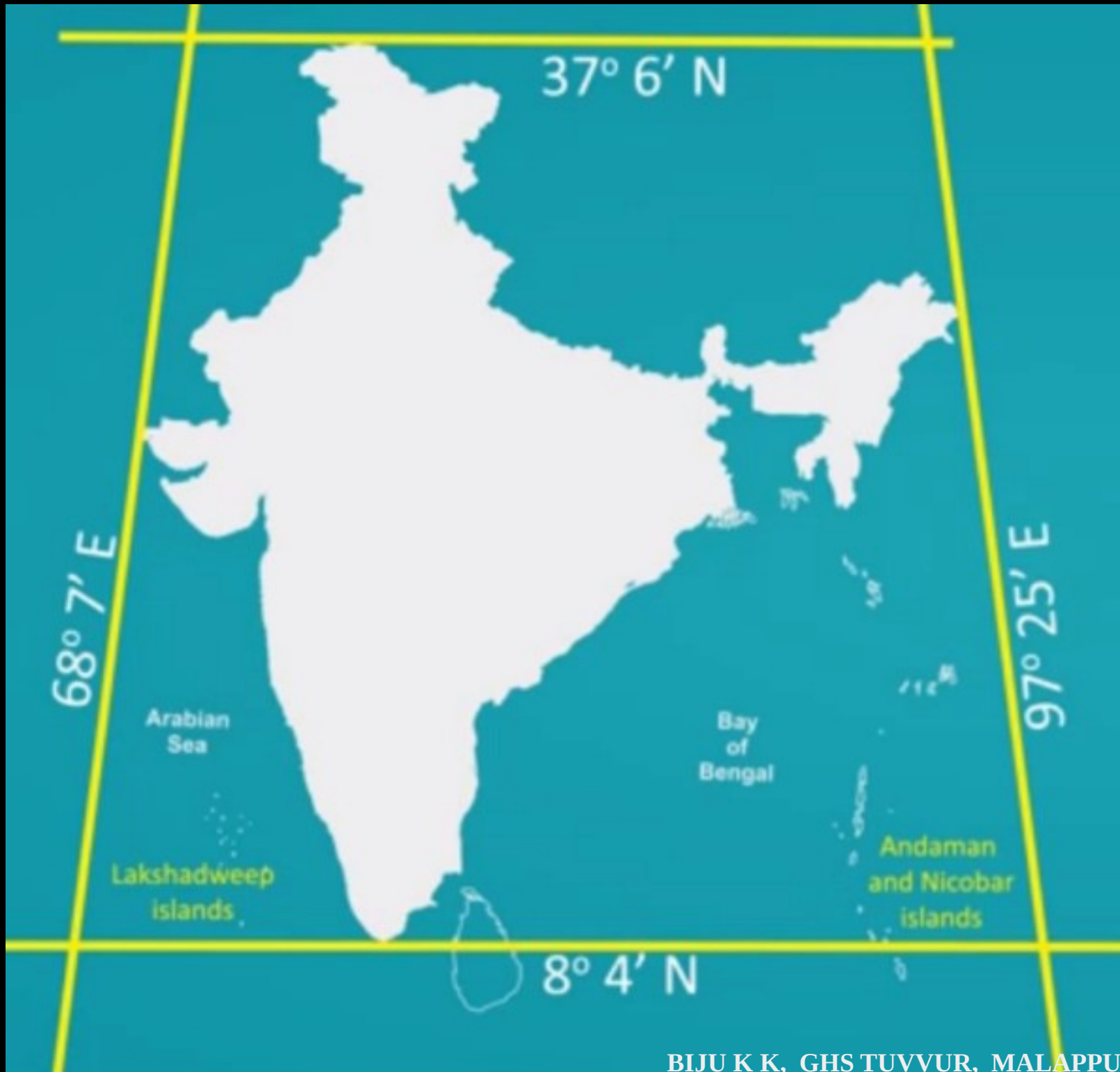
What is Geographic Information System - GIS

-Geographic Information System is a computer based information management system by which the data collected from the sources of information like maps, aerial photographs, satellite imageries, tables, surveys etc. Are incorporated in to the computer using software, which are retrieved, analysed and displayed in the form of maps, tables and graphs.

-All data analysis with GIS are done based on two kinds of data.

1. Spatial data

2. Attributes



What is Spatial data?

-Each feature on the surface of the earth has a latitude and longitude location of its own.

-Such features of the earth's surface having a specific location is known as spatial data.

-When a map of a region is prepared in the Geographic Information System, it must also include its latitude and longitude.

What is Attributes in Geographic Information System?

-The additional information about the characteristics of each spatial data on the earth's surface are called attributes.

-If the well is a spatial data on a Geographic Information System,

-Is there a platform,

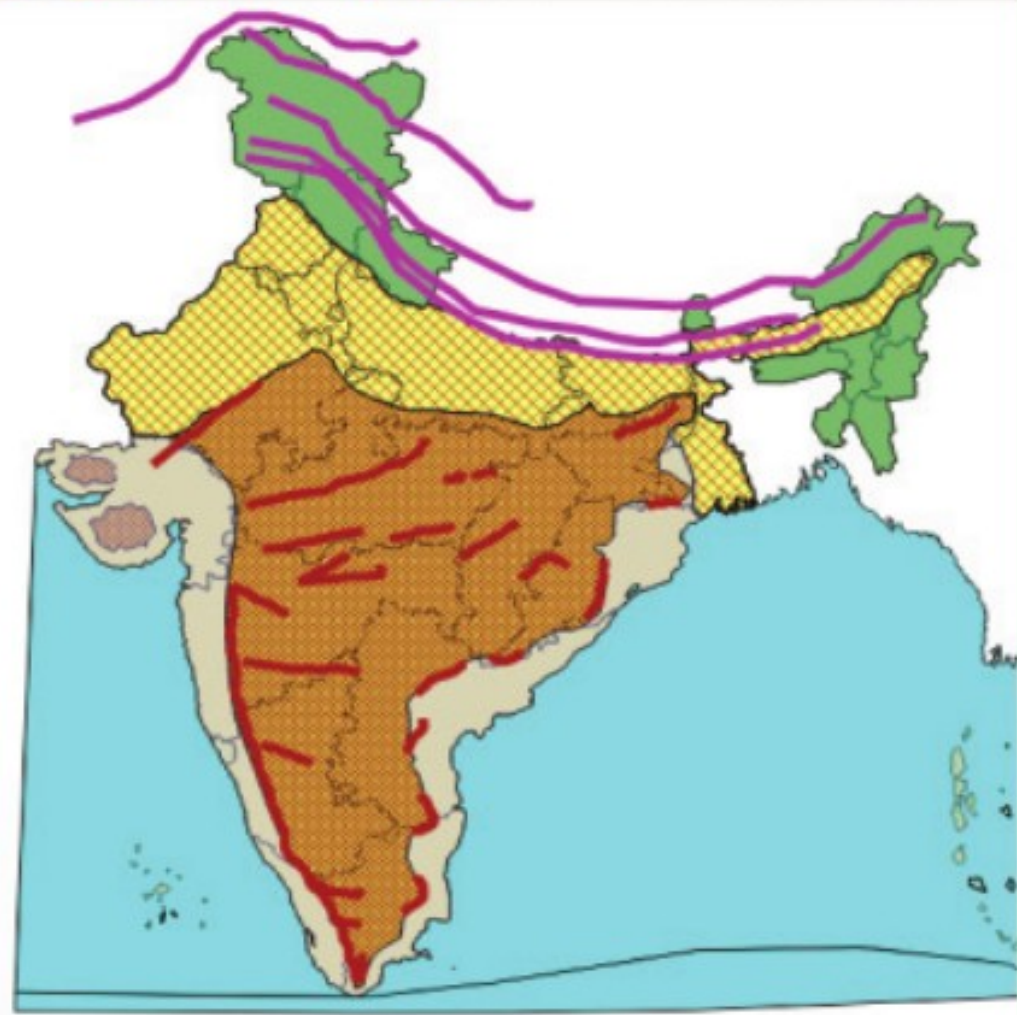
-Who owns the well,

-How deep it is etc. are the Attributes of that well.



Layers

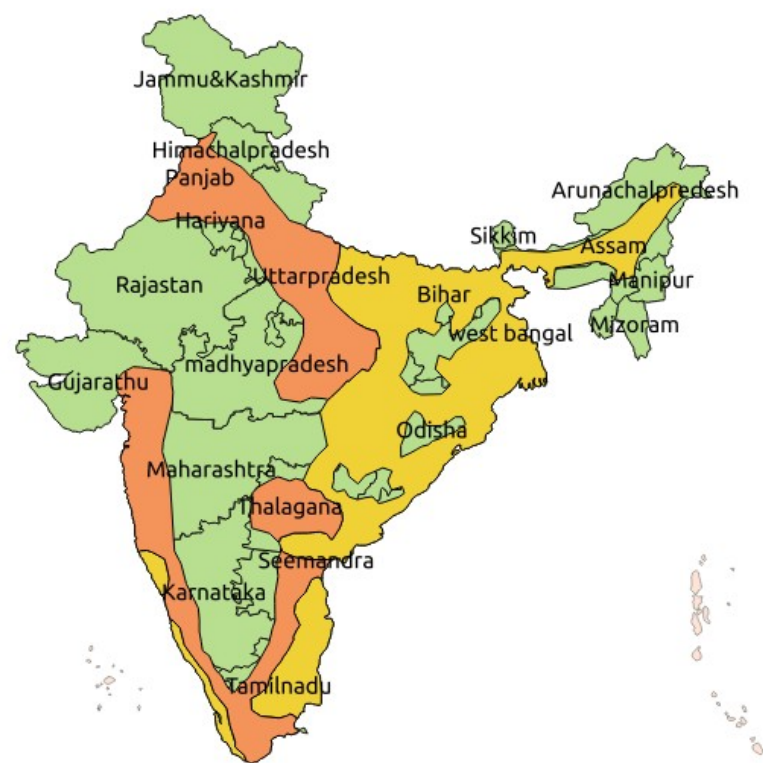
- Paddy small scale
- paddy large scale
- jute
- Cotton
- Northern Mountain S...
- Mountain Ranges
- Coastal Plains
- PeninsularPlateau
- Northern Mountain S...
- Physiography
- india-map-malyalam...
- States
- India outline
- Border

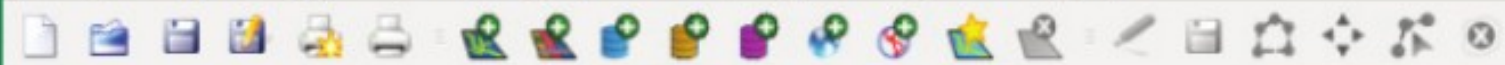




Layers Panel

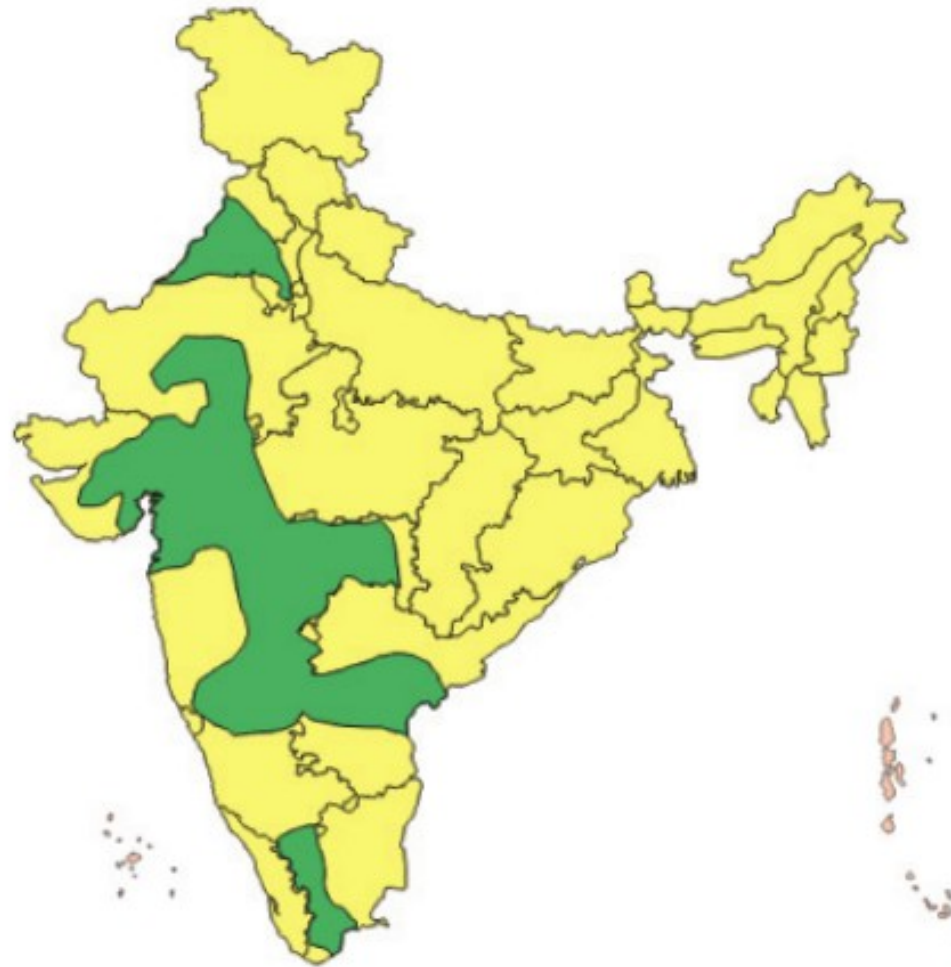
- wheat2
- wheat 1
- sugar cane
- Paddy small scale
- paddy large scale
- jute
- Cotton
- Northern Mountai...
- Mountain Ranges
- PeninsularPlateau
- Northern Mountai...
- Coastal Plains
- States
- Physiography
- India outline





Layers

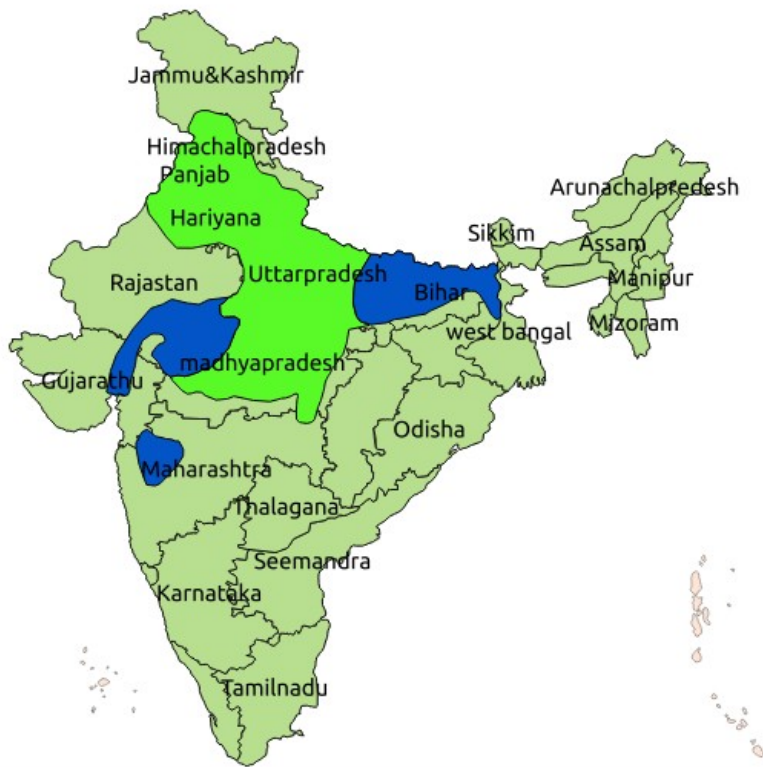
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Layers Panel

- wheat2
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Layers of Geographic Information System?

-The thematic maps prepared and stored in Geographic Information System for analytical purpose are called layers.

-Example: the stream, road, paddy field and forest are provided separately.

-The spatial relationship among the features on the surface of the earth can easily be understood by analysing the appropriate layers.

ALL THE BEST

By

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