

Freedom in Geographical Information Systems

Ganesh

Trying to be an Independent Researcher, Hacker & Activist

✉ **geoneo**

≈ **vu3ygg**

✉ **31gane@gmail.com**

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Overview

Inspiration

What is GIS ?

Cartography & Maps

Carto-Cube

Organized Diversity

Modality

Remixxx...

Flow of Information



whaaaazzz up human ?

Good or Bad or Neutral ?

technology

is

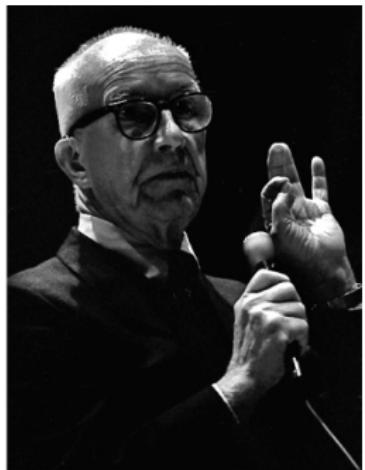
neither *Good*

nor *Bad*

not even *Neutral*

Melvin Kranzberg

people inspire people



these *dudes* somehow inspired me to learn & do Geo(G/IS)

locally these folks continues to inspire me by their silent actions... :)



?

what is gis anyway

one of the interesting ways

"to look"

at things happening in

Earth

(present World)

GIS = Geo Systems + Information Systems

which is a *psychedelic* mix of :

- ▶ theories
- ▶ tools
- ▶ information
- ▶ methods
- ▶ strategies

from both the domains

a collaborative scientific process associated with geographical systems to
collect data, analyze, disseminate, share, distribute information
adhering to open standards

gis proliferates and promulgates a democratic and romantic relationship
between man, machine, and earth to reach a positive emergence

So What ?

well !... we have limitations

- ▶ senses
- ▶ perception
- ▶ reliable data collection
- ▶ repetitive & concurrent analysis
- ▶ modeling & repetitive reporting

Mapssssss !

What are Maps ?

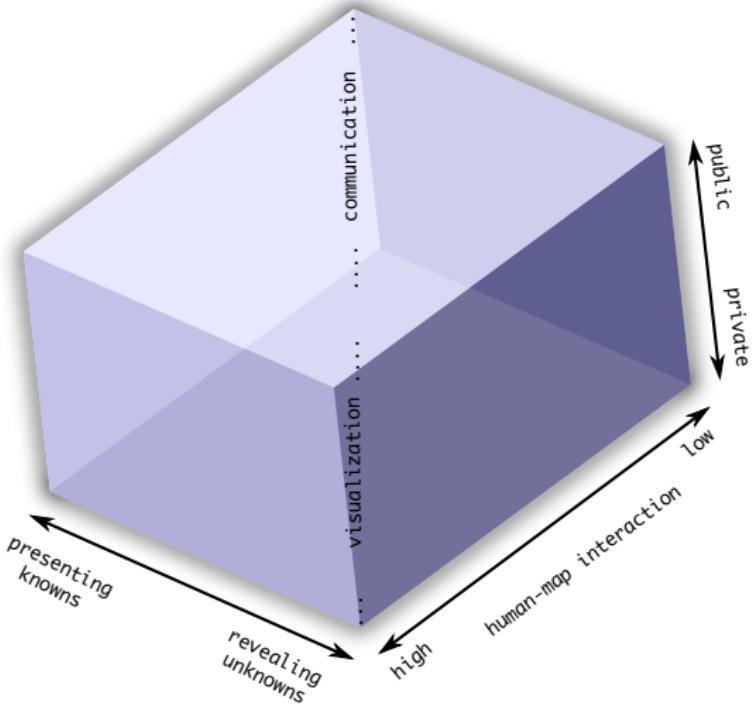
the **medium** through which geographically representable information is
shared and disseminated

What is Cartography ?

the art & way of designing maps effectively

= science + aesthetics + technique

Carto-Cube



Reference : cartography cube

Organized Diversity

ontological, theoretical



knowledge organization



modalities

measurement & data collection



processing, analysis



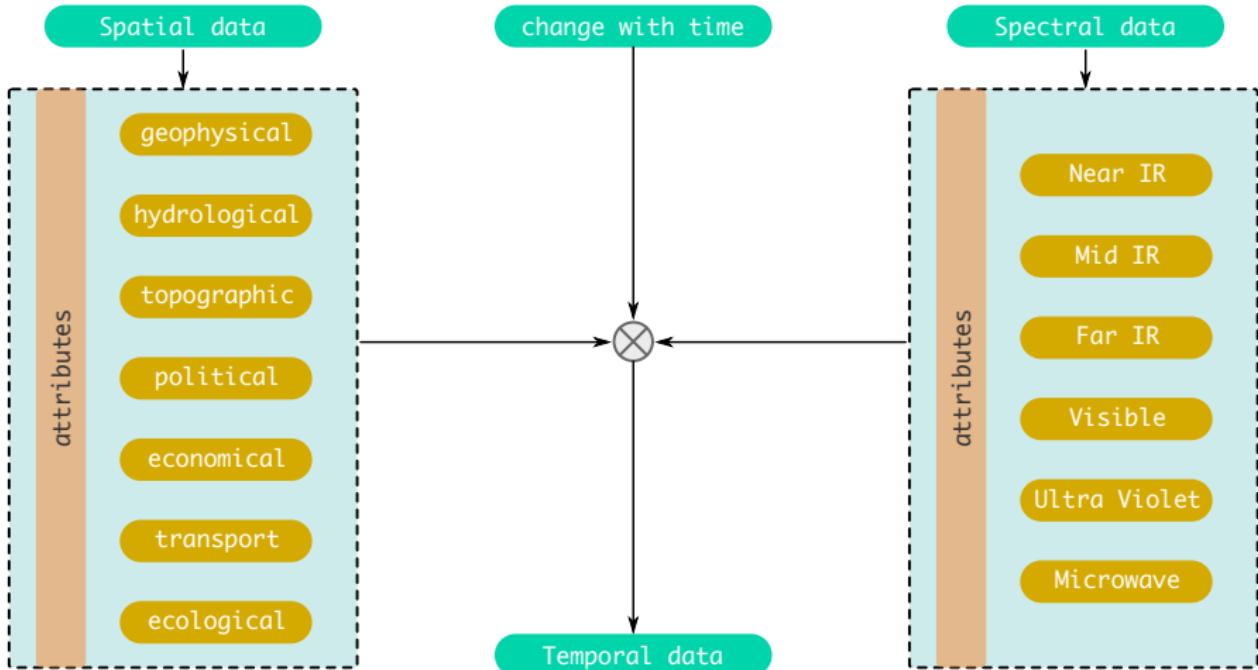
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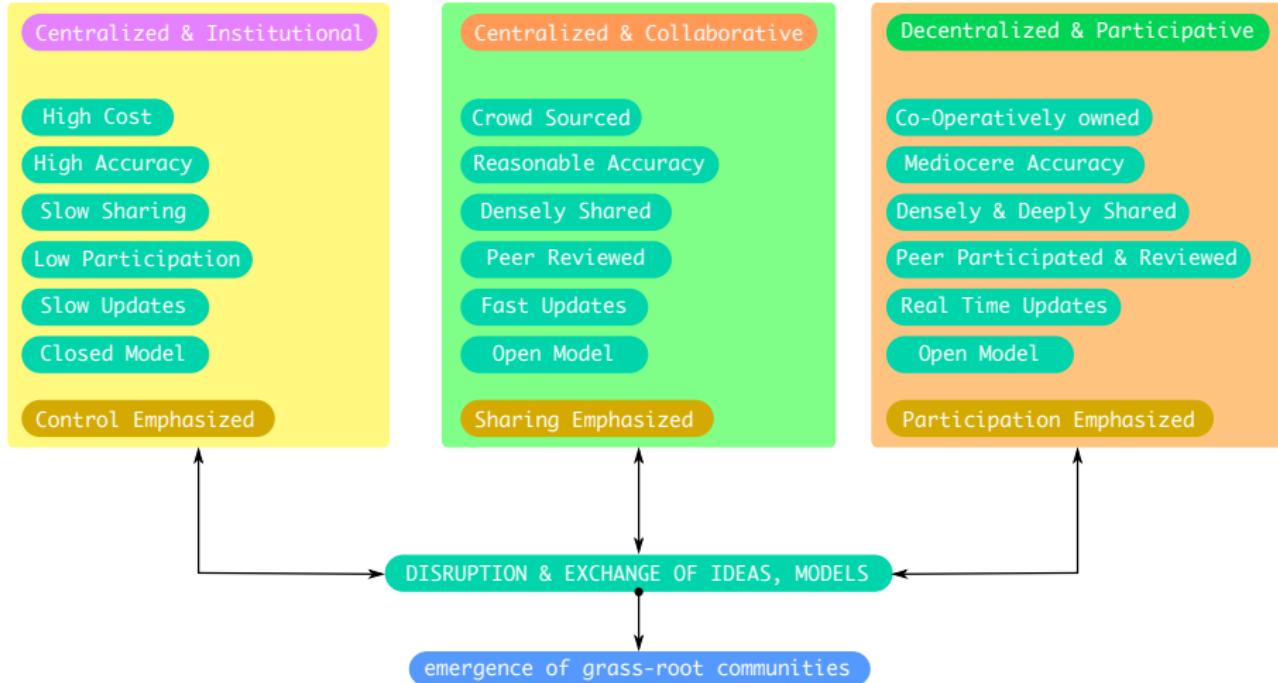


dimensions



visualization





How does Info. Flow ?

Once upon a time ...

THE
PICTORIAL
MISSIONARY MAP
OF THE
WORLD



PICTORIAL MISSIONARY MAP OF THE WORLD
BY JOHN RICHARDSON & CO., LTD.
London, Liverpool, Manchester, Birmingham, Glasgow, Belfast, Dublin, Cork, &c.

PRINTED IN ENGLAND BY W. & C. DODD LTD.

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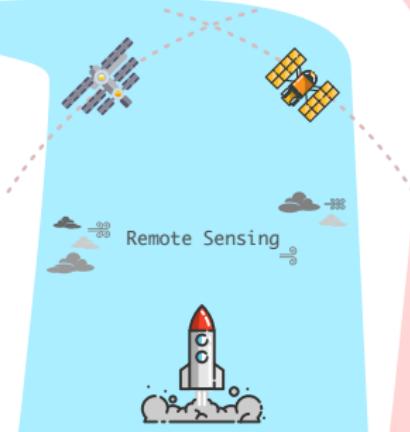
the conventional way ...

Establishments

Institutions



Surveying



Remote Sensing



Dissemination



it is centralized too !

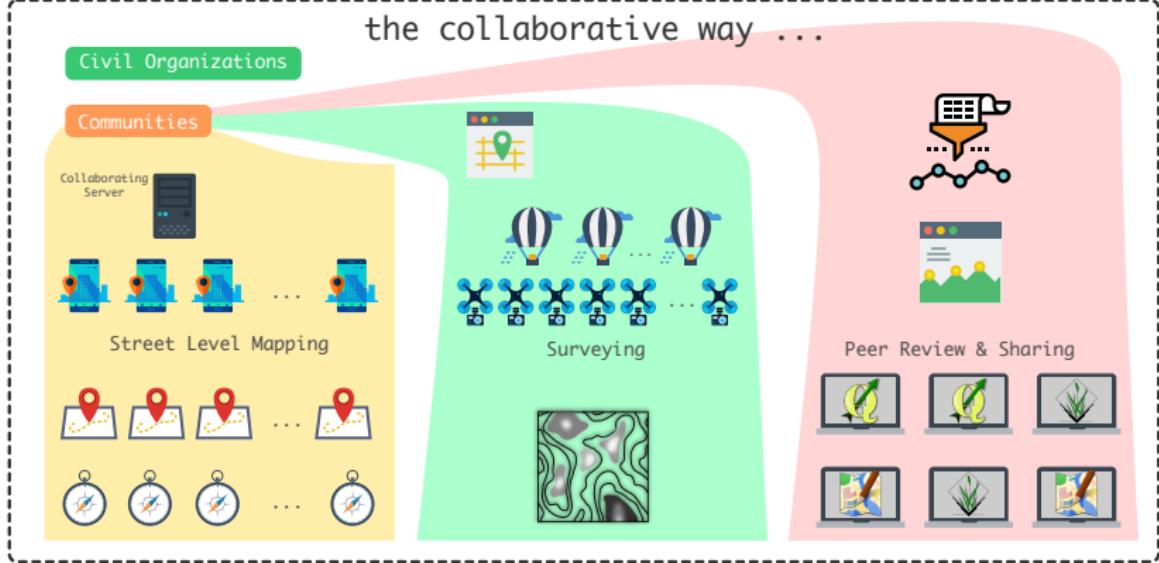
resulted in maps like these..... !



meanwhile, rise in ...

education, science, technology & creative commons ...

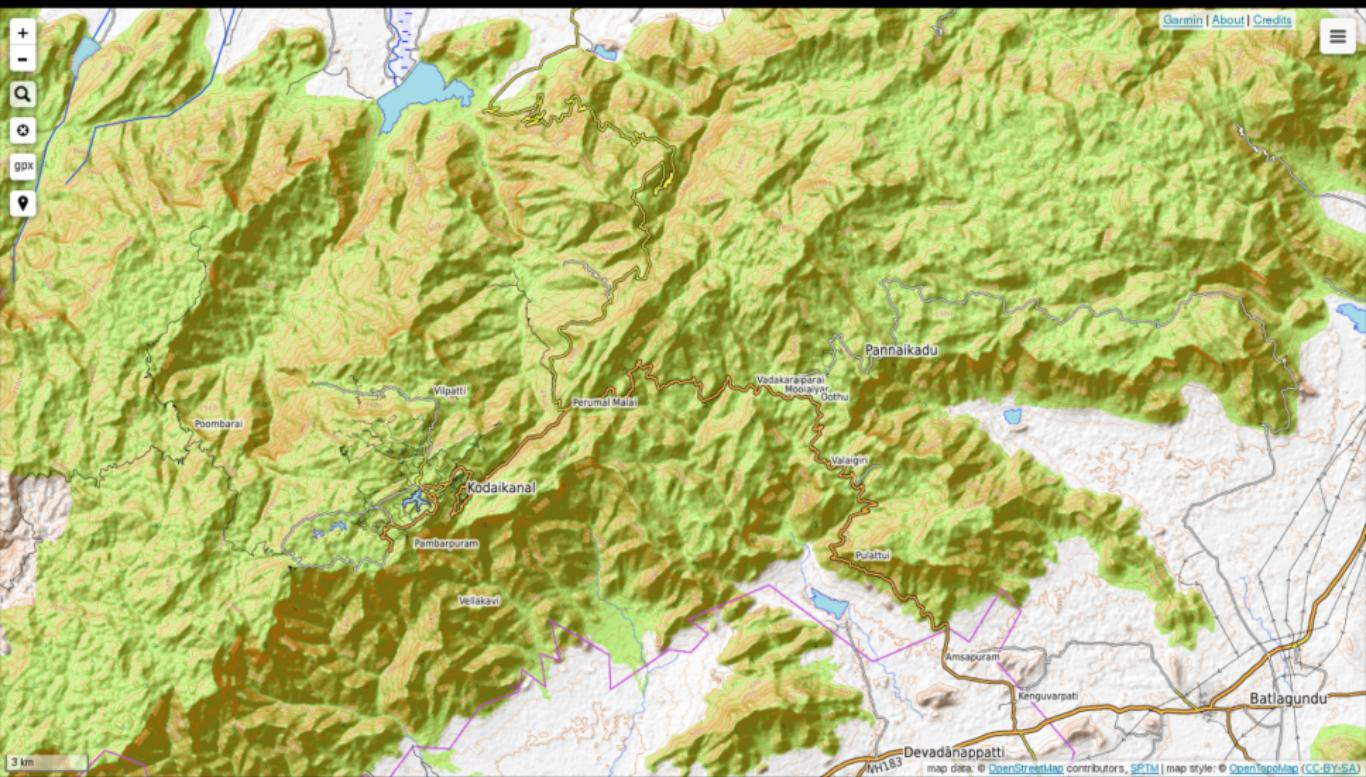
the collaborative way ...



partially centralized but collaborative (decentralized):

existing infrastructure + creative commons + opendata + internet

resulted in maps like these..... !



with emergent grass root infrastructure

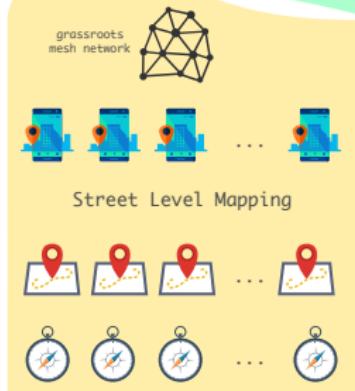
&

commons based peer production ...

the grassroots way ...

Emergent Communities

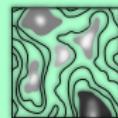
Networks



Street Level Mapping



Surveying

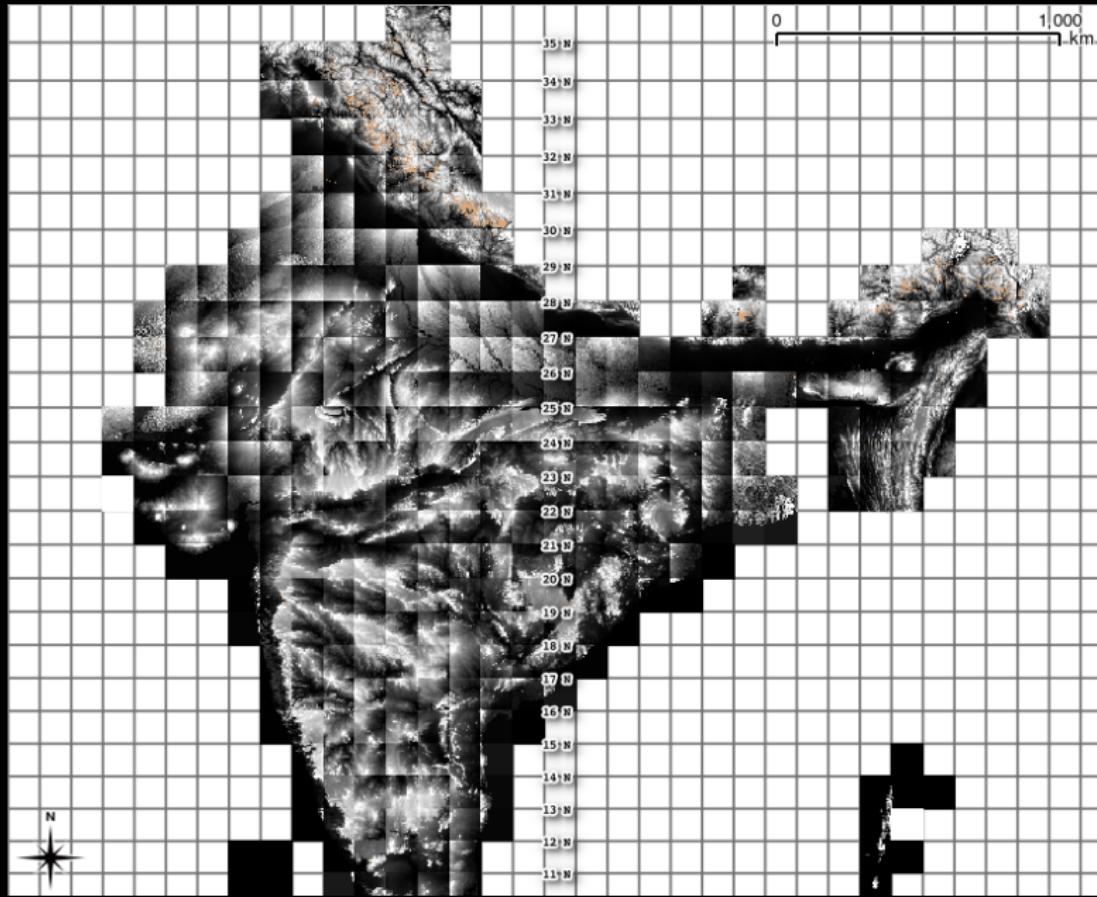


Peer Review & Sharing

partially centralized but collaborative (decentralized):

existing infrastructure + creative commons + opendata + internet

will create more than these..... !





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think !