A Thousand Leaves

Online Tool for City Level Slum-Free Planning

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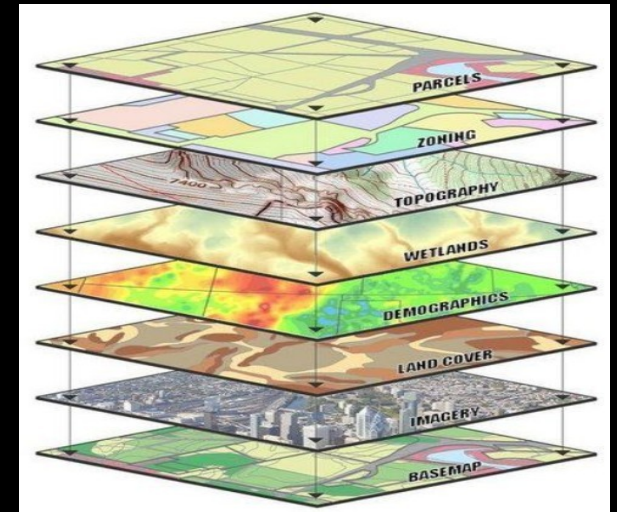# *Le Mille-feuille*...the thousand leaves and a Lefebvrian Paradox

"*Thus social space, especially urban space, emerged in all its diversity – and with a structure far more reminiscent of flaky mille-feuille pastry than of the homogenous and isotropic space of classical (Euclidean/Cartesian) mathematics.*"
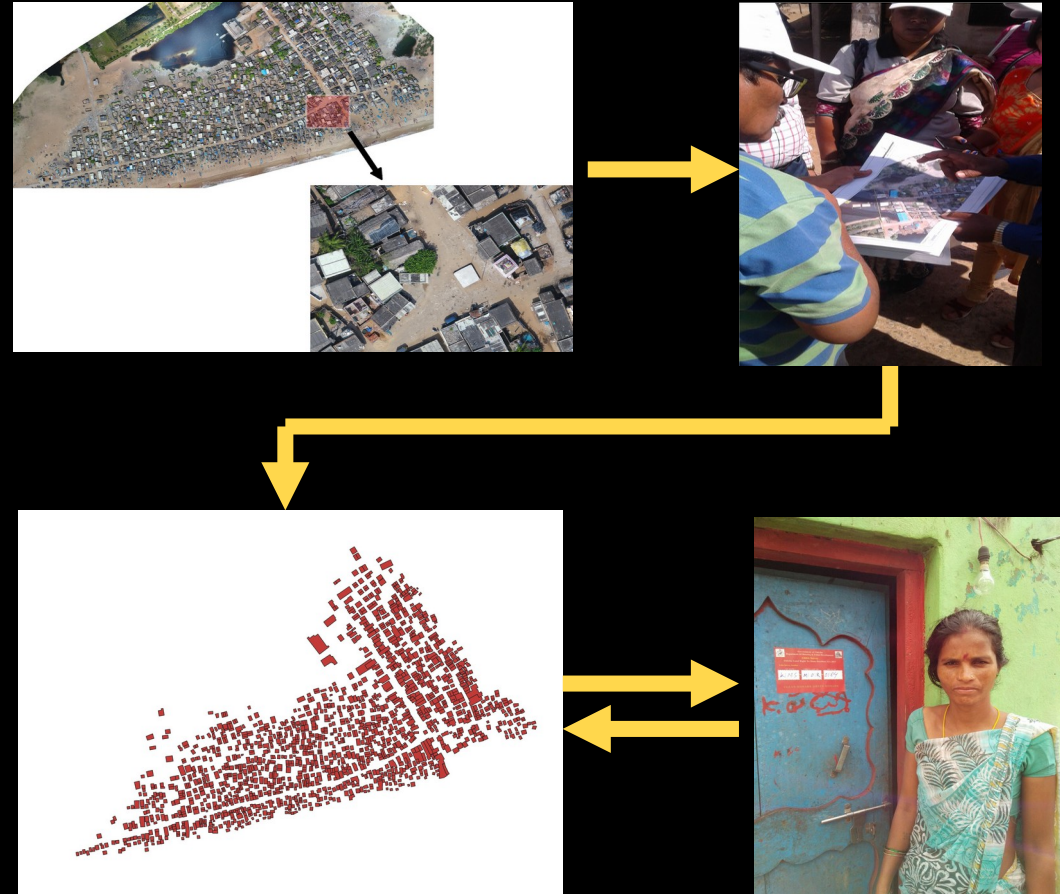
- Henri Lefebvre, 'The Production of Space', 1974

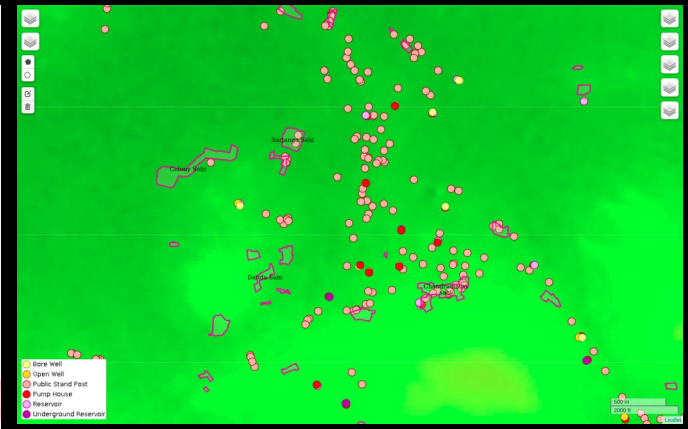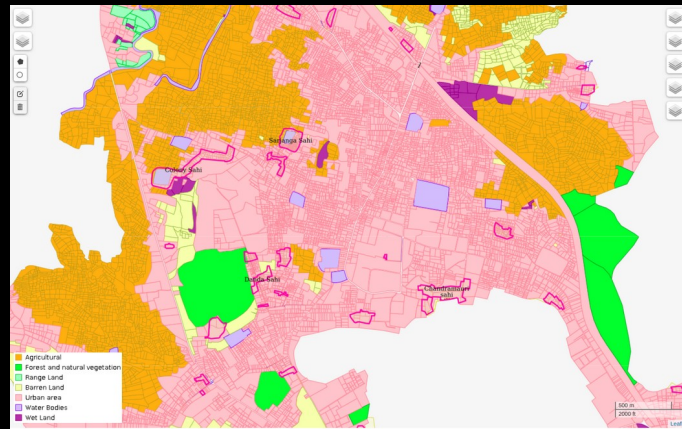**From a thousand leaves to a thousand layers**

JAGA Mission – Bringing Geo-spatial technologies and Community Participation together
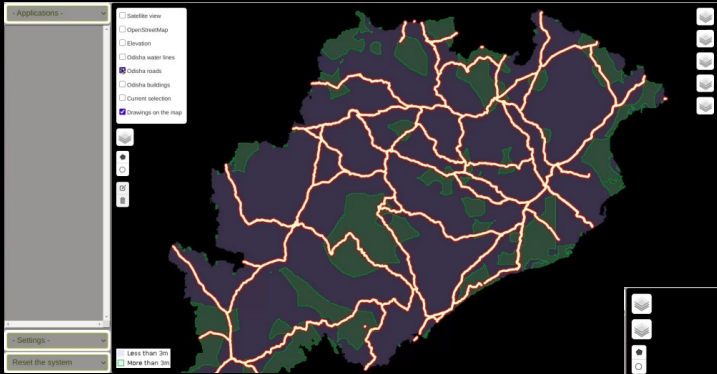
- Probably the only region in the world with a complete, high-resolution geo-spatial database of all its slums.

- Slum Dwellers Organisations created in each slum.

- The preparation and use of geo-spatial data and the community participation activities were locked in an iterative and mutually dependent relationship.

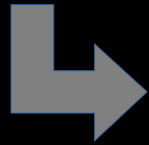- Not just an altruistic system but also an extremely pragmatic and functional one

From Data Collection and Storing to Spatial Analysis and Decision Making

Operating at multiple scales

STATE LEVEL

CITY LEVEL

SLUM LEVEL

Combining Spatial Analysis with Participatory Processes

With Municipal Executive Officers for City Level Decision making
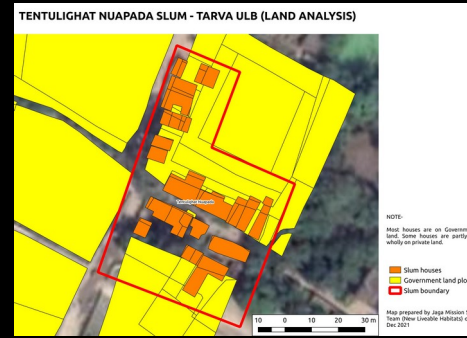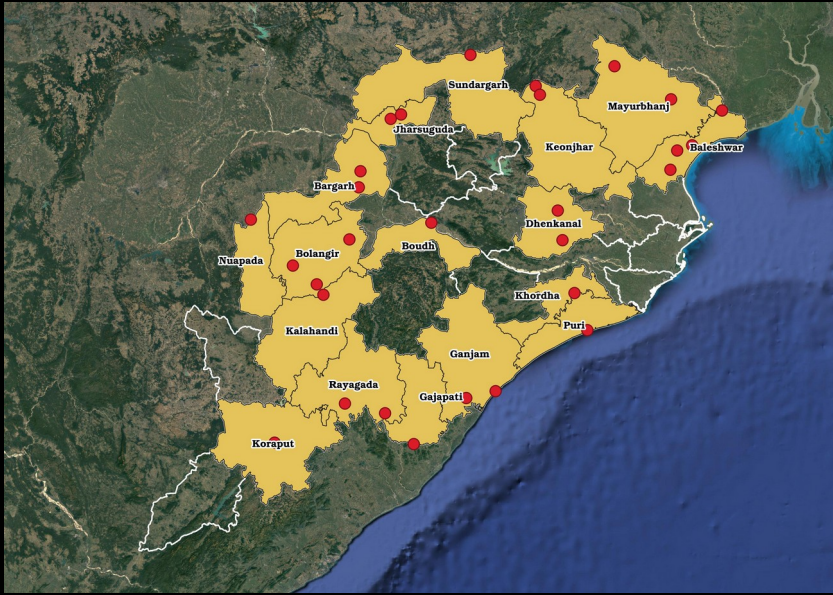

With Revenue Specialists for land re-classification;
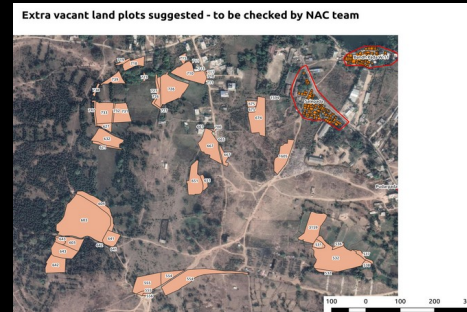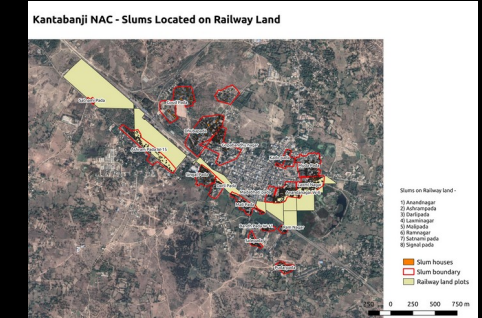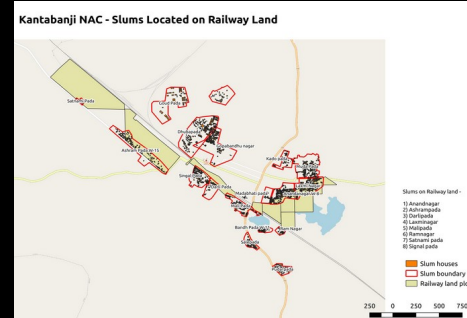

With SDAs for tapping local knowledge

Identification of vacant land for New Habitats with Municipal Officials

Critical Case – New Liveable Habitats

- Total quantity + vulnerability **=> *minimise***
- Overall quality + monitoring + participation **=> *maximise***

Reduced number of slums facing relocation possibilities to less than 5 % of total

TENTULIGHAT NUAPADA SLUM - TARVA ULB (LAND ANALYSIS)

GOPALPUR NEW HABITAT LOCATION ANALYSIS

Kantabanji NAC - Slums Located on Railway Land

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Extra vacant land plots suggested - to be checked by NAC team

FIRST OPTION

"Spatial analysis means...get your shoes dirty"
– Prof. Jorgen Andreassen

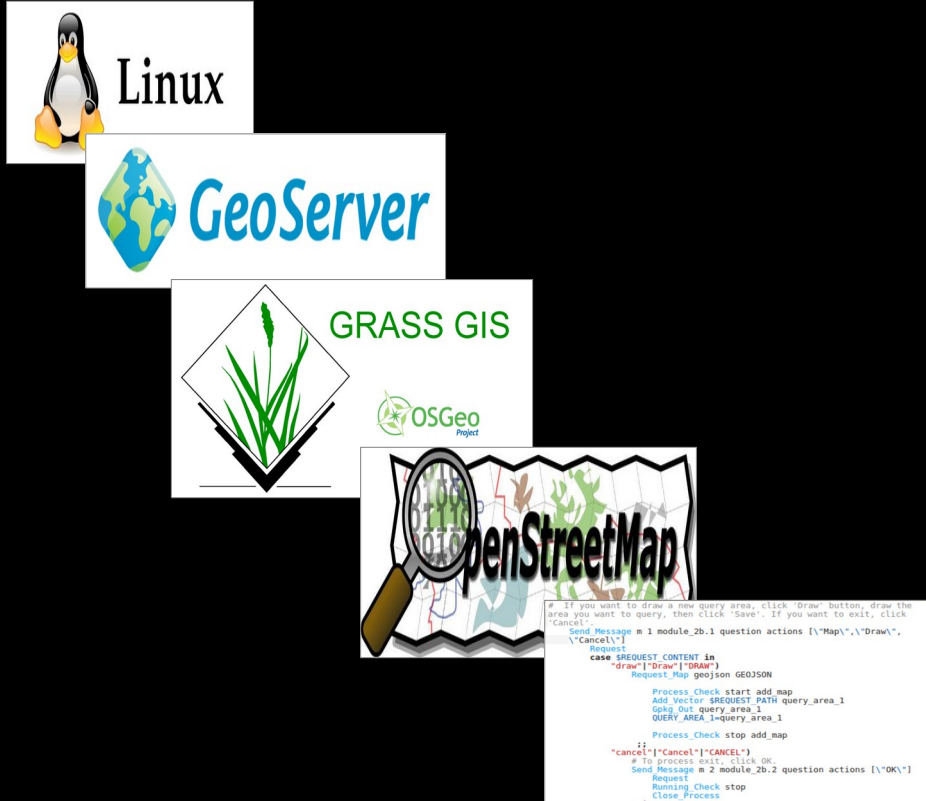**And...Communicate ! The code is in the streets....not in the computer !**

Shoes dirty,as in...**Literally** !

Communicate,as in...with **Everybody** !

FOSS meets JAGA ... Open-source Computing as an ally of the "Right to the City"