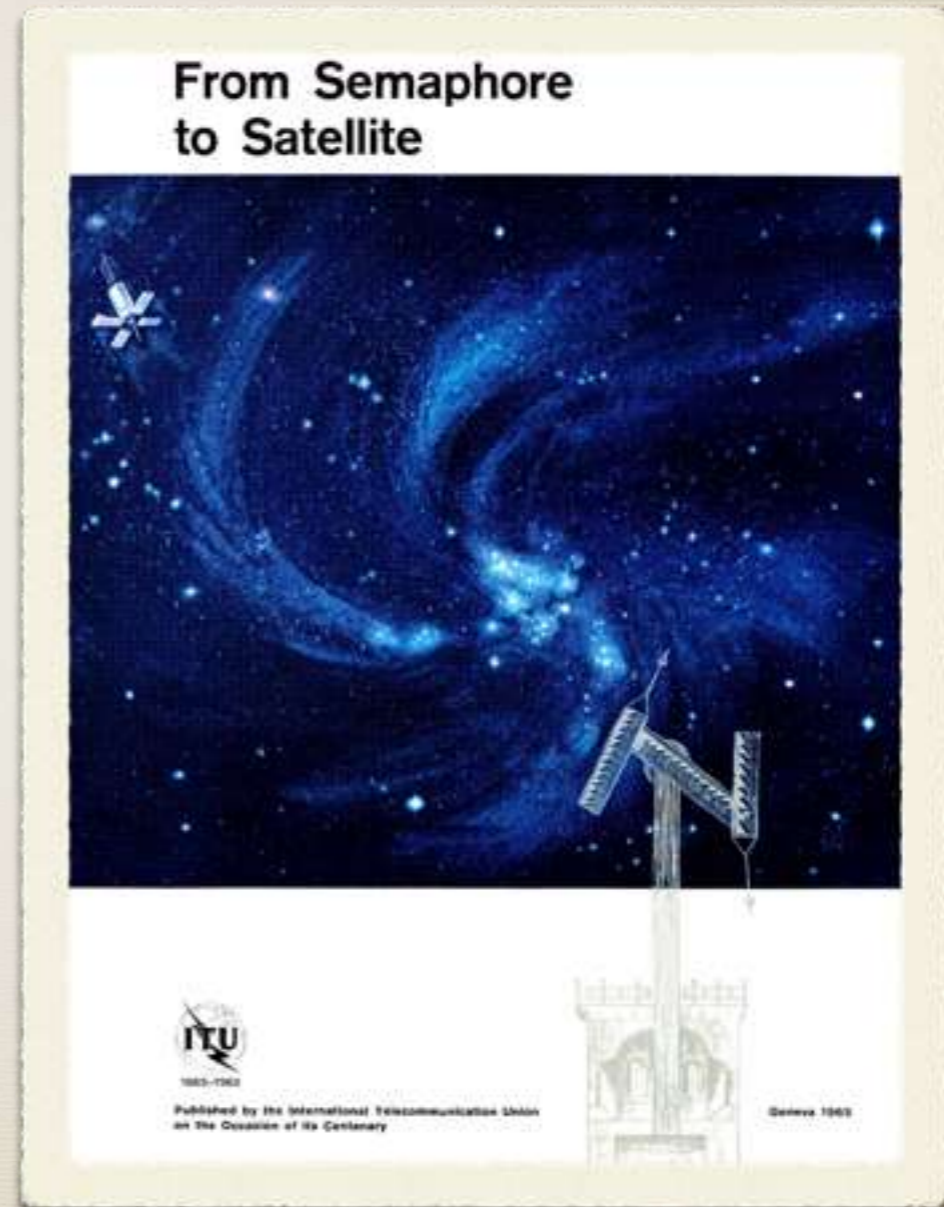


Satellites to Social Benefits

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From Surface to Space

- * We moved from surface to space for better global and regional communications...



From Space to Surface

- * ...and from Space we are looking down at the surface to manage our planet!



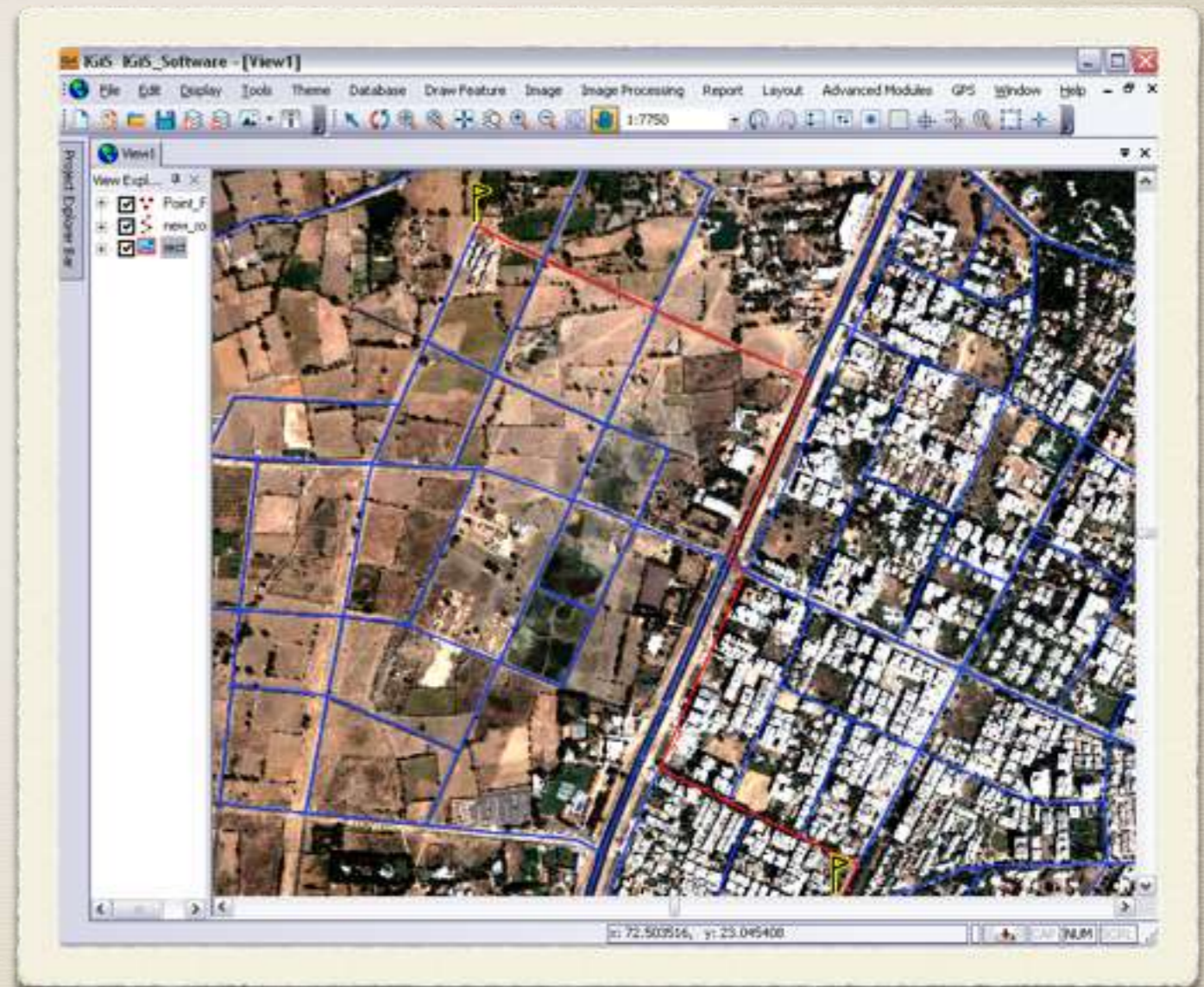
The View from Space

- * Initially imagery from space was admired for its synoptic view - the big picture
- * Higher resolution imagery supplied more details at the cost of synopticity
- * Interpretation depends on Ground Truth
- * Interpreted maps are not solutions

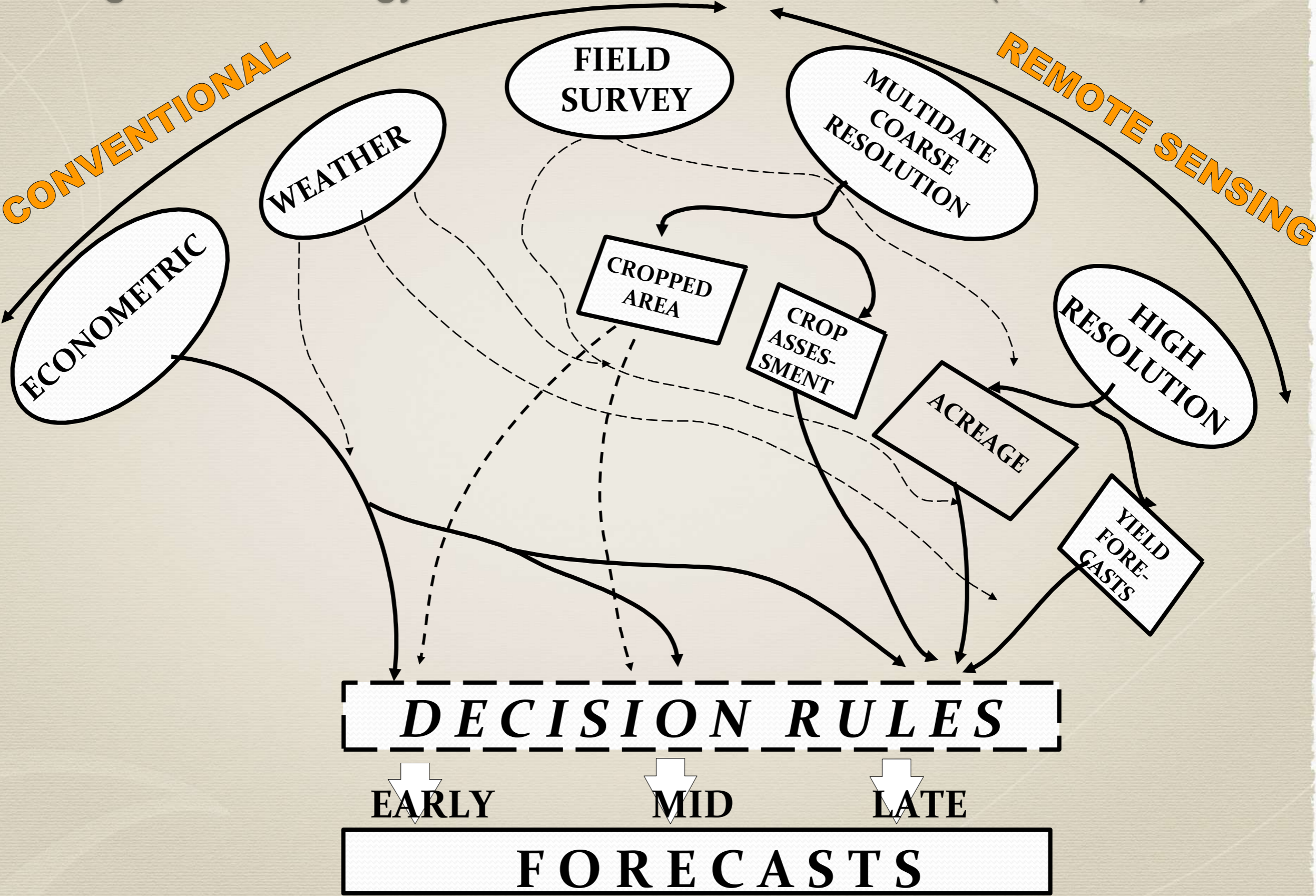


The View from Space

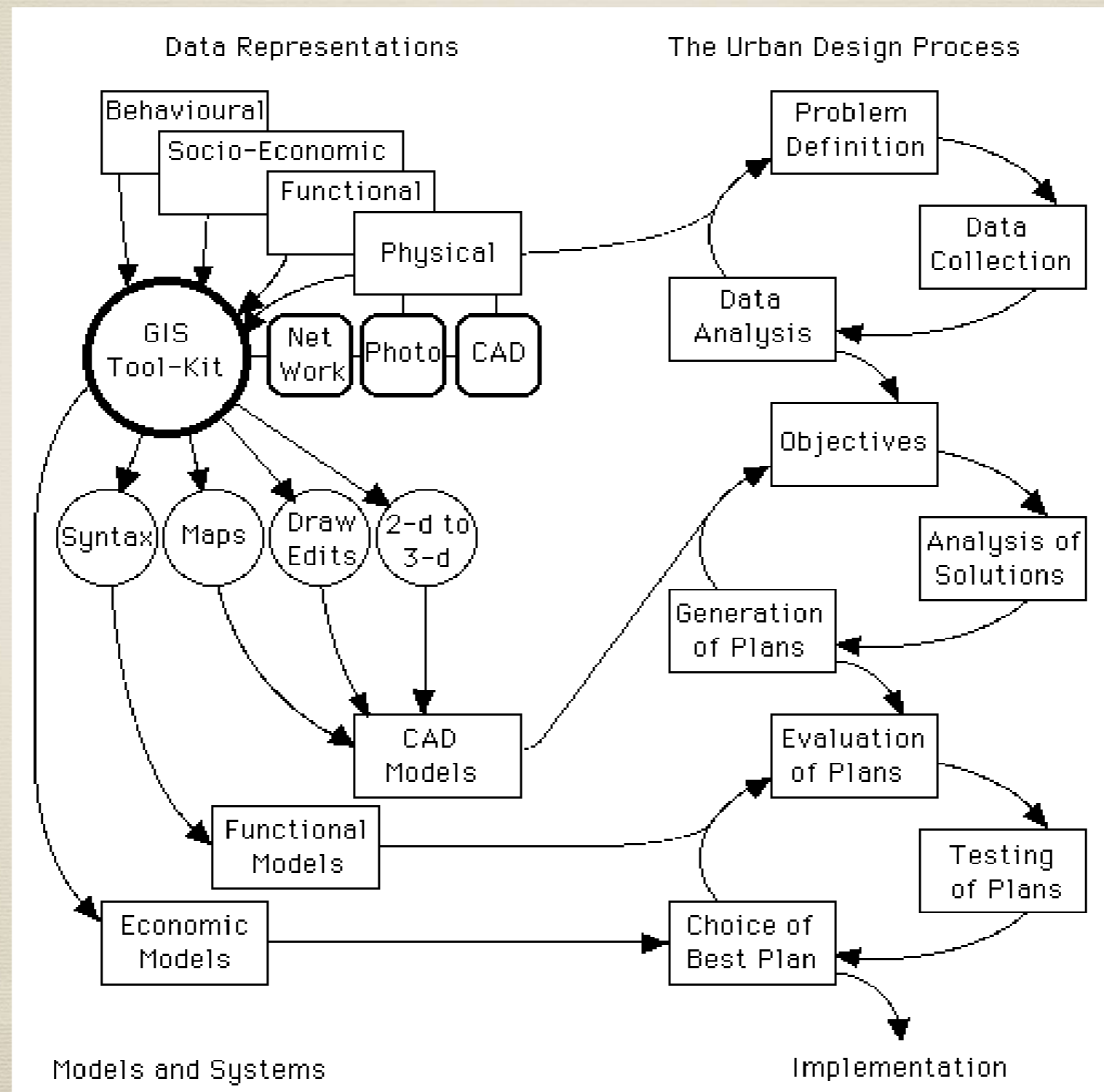
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Forecasting Agricultural output using Space, Agro-meteorology & Land based observations (FASAL)



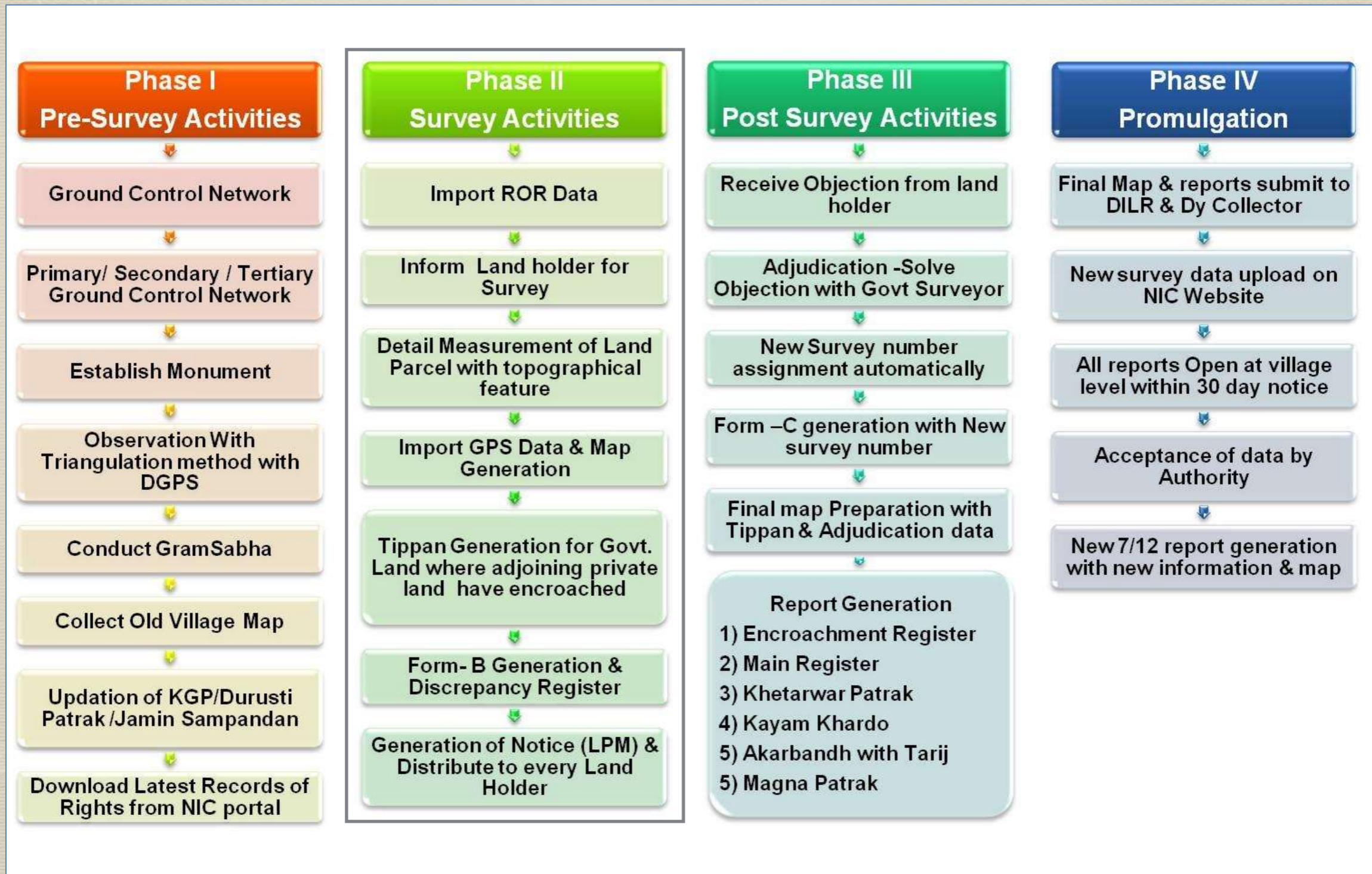
Geospatial and Urban Design



Space to Surface Dichotomy

- * Space View
 - * Synoptic view
 - * Reduce costs by covering large areas
 - * Universal prescriptions for all
 - * Segmentation by community and individual not possible
 - * Look at end beneficiary as a passive receptor
- * Surface View
 - * Local information available through Survey and VGI
 - * Participative decision making
 - * Lack of awareness about Geospatial technologies

Blending Space and Surface



Survey Activities: Overview



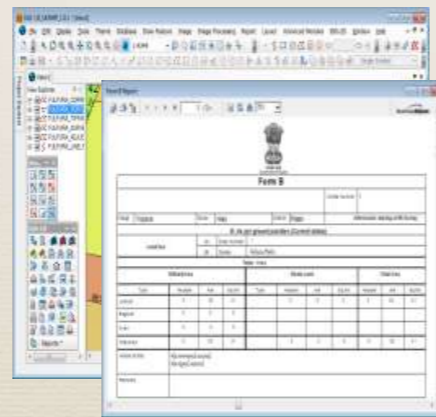
Carry out the field re-survey Referring to Form A data using DGPS/ ETS



Collect the information for the land parcel in a pre-determined format

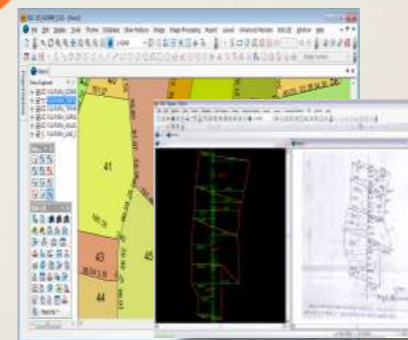


Registration of the polygon theme of particular village

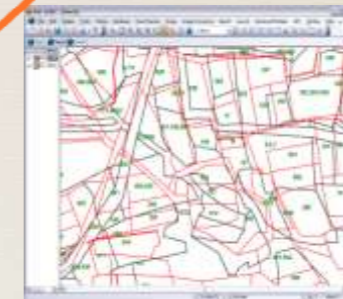


Generate Form B

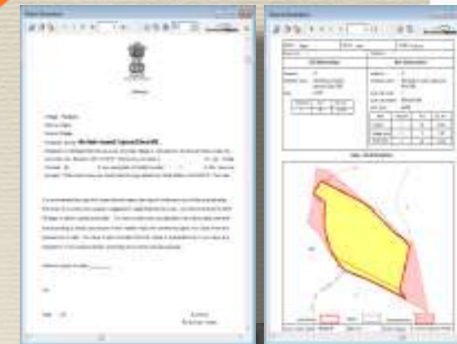
- This activity follows the mirror principle.
- It refers to the fact that cadastral records mirror the ground reality.



Generate the land parcel sketch in pre-determined scale with Tippan digitization



Super imposition on the land parcel map



Serve a notice to the occupant along with Land Parcel sketch

Geospatial Resources Collaboration

- Top-Down

- Remote Sensing gives a synoptic view
- GIS enables overlay of multiple datasets
- Enables decision support for planners



Challenge

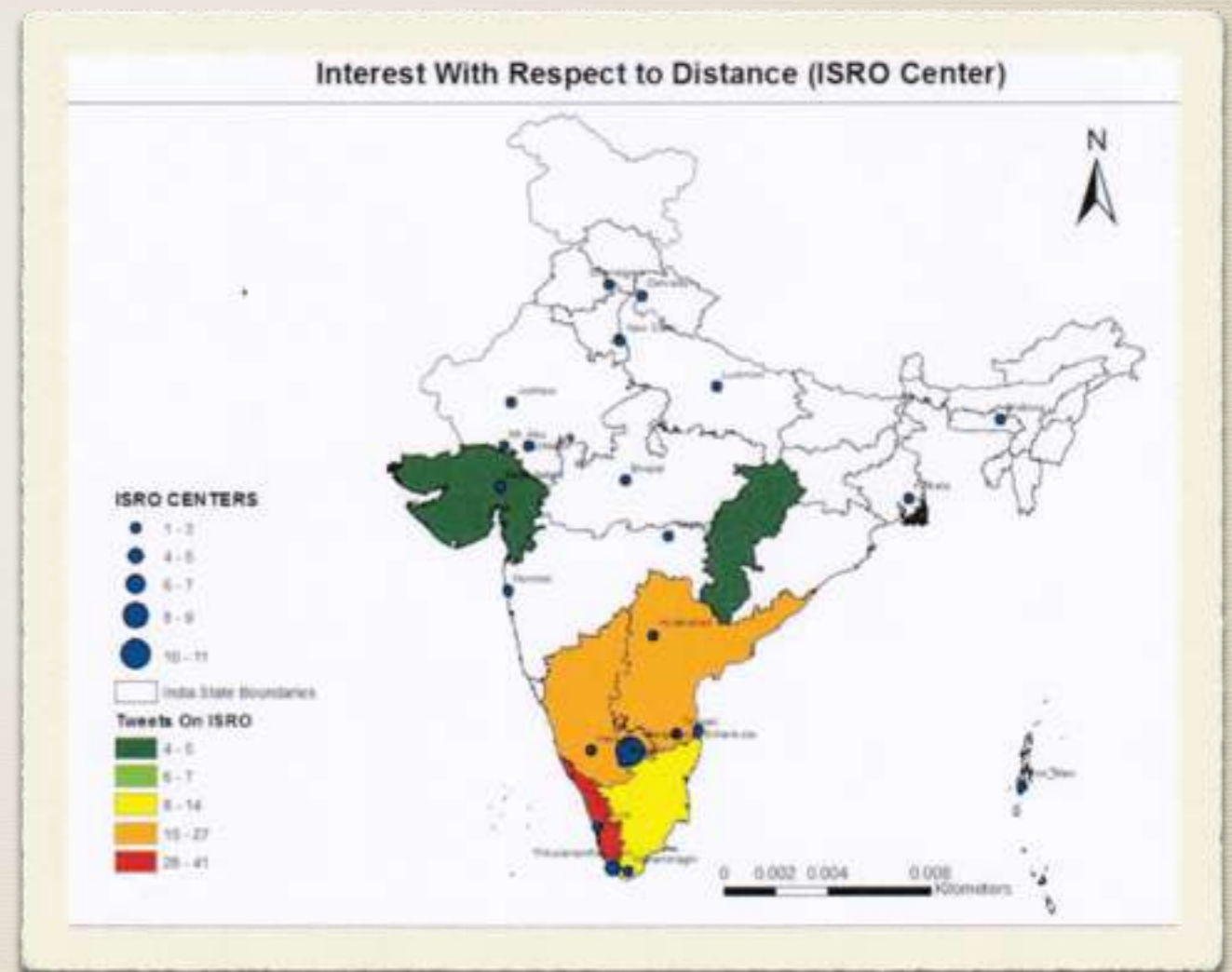
- Bottom-Up

- Community has the ground truth
- Plans are as per stakeholders' needs



Social Media as VGI

- * Public interest in ISRO's Mission to Mars expressed as tweets
- * Influence of ISRO Centres on public perception



Thank You