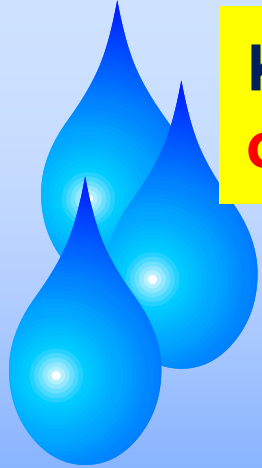


# Internet based Dairy Geographical Information System (i-DGIS) *for* Milk Unions & Federations





Knowing the physical location of the covered villages **on the digital map** is useful for planning & monitoring



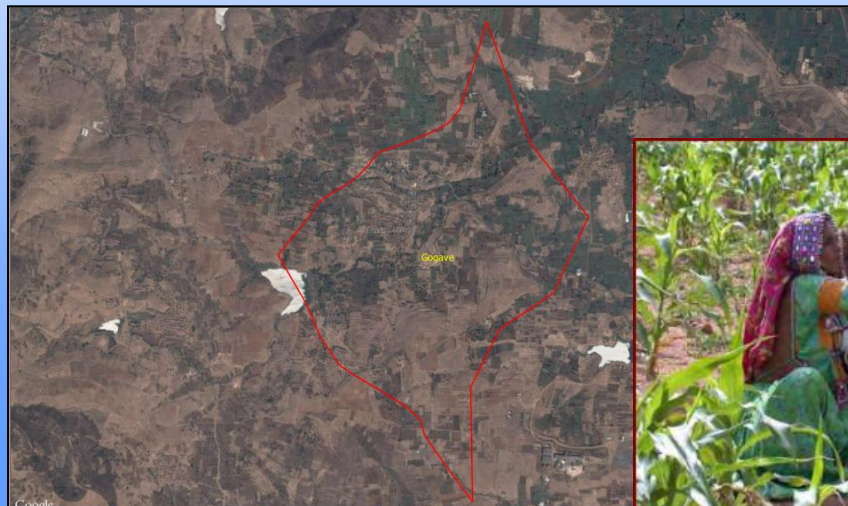
- Milk Unions/Federations operate in large geographical areas with multiple activities which is spread across many village locations.
- **i-DGIS** can be used as a readily available platform on the internet, for showing **proposed** and **active** villages in the milkshed area covered by Milk Union/Federation.
- **i-DGIS** is a strong visualization tool as **human census, livestock census & landuse/landcover of the village** is integrated and provided in **ONE place** on the digital map.



# i-DGIS : Village Level data in one location

*Milk Union has initiated a “re-vegetation” activity of a fodder development programme in this village.*

Village:  
**Gogave,**  
Tehsil:  
**Sahuwadi**  
District :  
**Kolhapur**  
(Maharashtra)



Satellite Image



Landuse/Landcover Image

**Households: 373**

**Population: 1809**

**Cultivators: 616**

**Agricultural Labourers : 14**

**Buffaloes : 205**

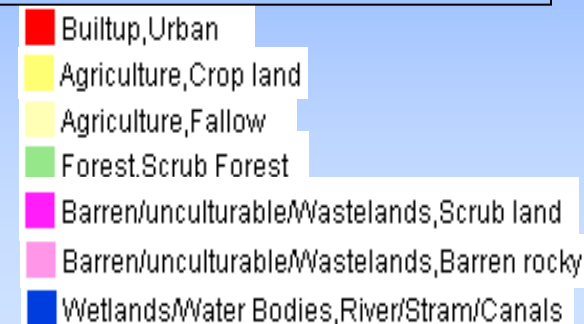
**Xbred Cows: 117**

**Village Area: 764 (hectares)**

**Cultivated Area: 715**

**Irrigated Area: 23**

**Culturable Wasteland: 11**

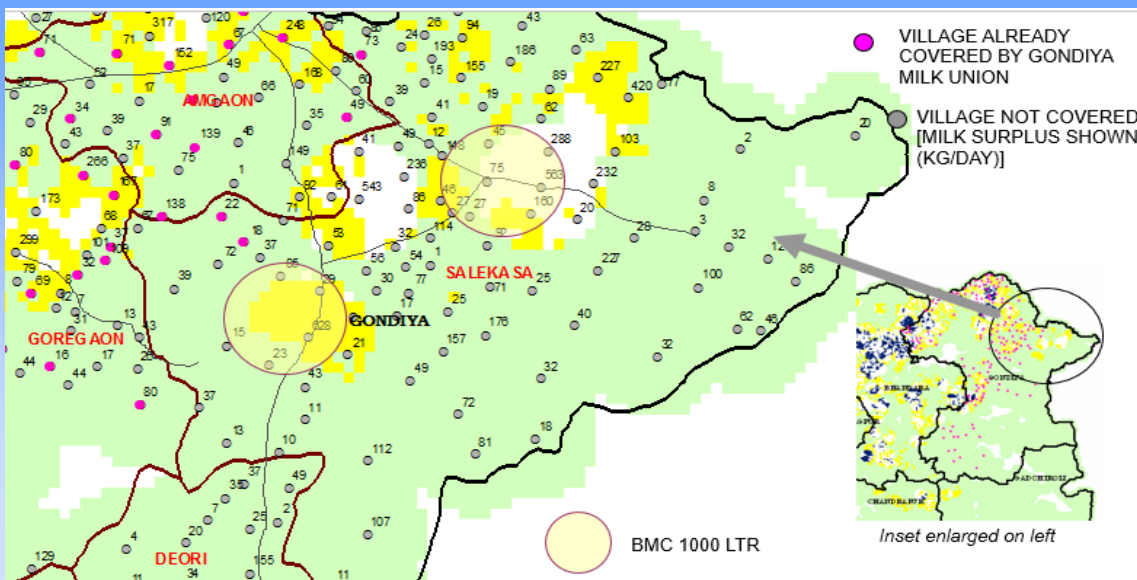


# i-DGIS is useful for convergence planning in the dairy sector

◆ Knowing the **location** of the village on a digital map, where any **specific dairy development activity** is already taking place or is proposed e.g. *milk procurement, ration balancing, fodder development, artificial insemination etc*

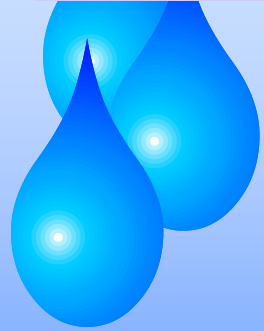
◆ Ability to turn a tremendous amount of data into usable information.

◆ i-DGIS facilitates decision making and spatial analysis in a way that would not be possible utilizing ordinary computer displays and printouts.

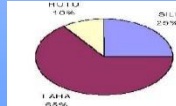




# What can i-DGIS do that other information systems cannot?



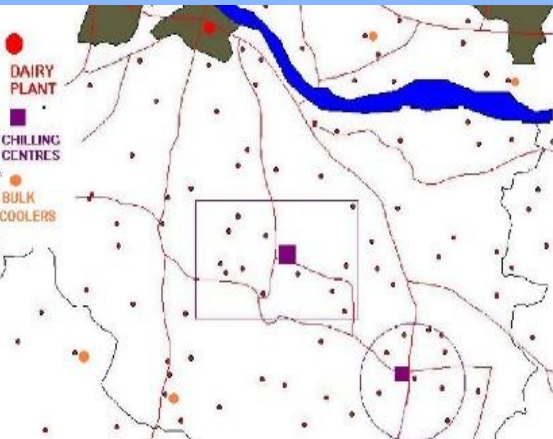
URB. ID	TOWN POP	TOWN AREA
1	1274	78.32543
2	8094	103.7568
3	2593	103.5642
4	9066	90.18682
5	2410	52.15469
6	1519	67.40493
7	2231	17.78576
8	6705	63.71561
9	12920	72.35339
10	5516	40.05531
11	1294	80.4007
12	9467	80.47461
13	1213	62.07563
14	19164	56.45408



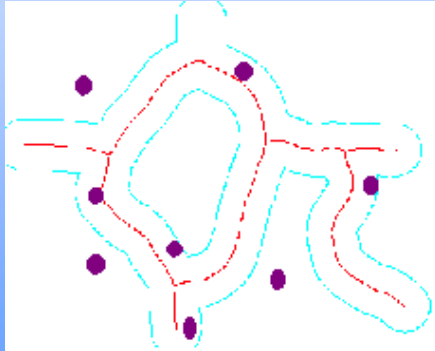
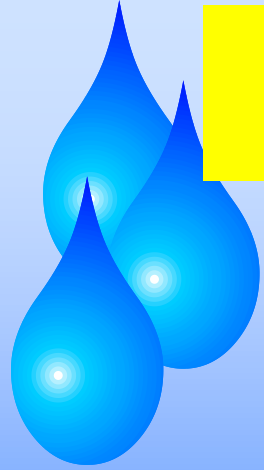
*“Show the target vs achievement of villages covered in the FY 2013-14”.*

*Spreadsheets/databases only show us the numbers in a table or proportions in a pie diagram. We can clearly differentiate the best performers since their numbers are higher*

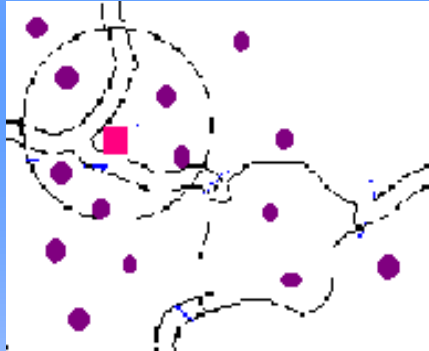
*However, we can not tell where these villages are, how close are they to one another, how close are they to other dairy infrastructural locations!*



# i-DGIS: a strong visualization tool



Which are the villages that lie within 2-3 Km of **either side of this road** ?



How many villages, say within a radius of 3 km, can we cover if the BMC is set up **in this village**?

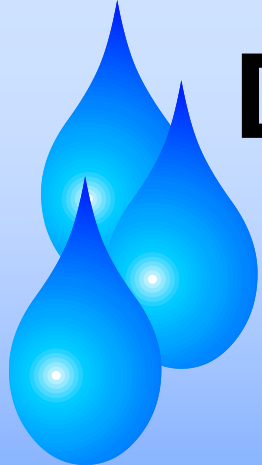


**Which villages** have been already covered under Village Based Milk Procurement System (VBMPS)?

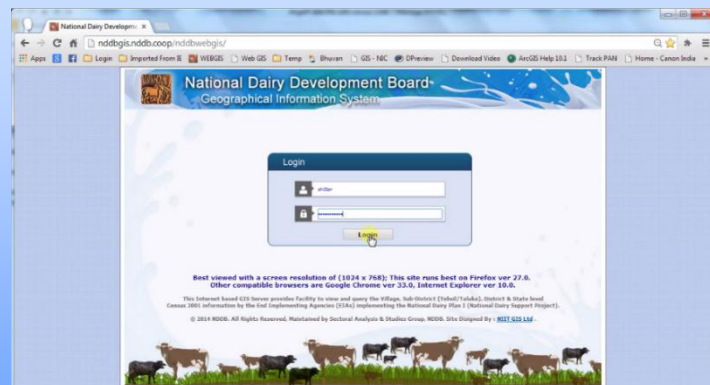
# Steps for starting the utilization of i-DGIS



1. NDDDB conducts an initial introductory 2 day field level, handholding workshop
2. Process of identification of **active villages** by the Milk Unions is explained through **i-DGIS** platform & GPS and/or Mobile Handsets (*whenever required*) in the workshop.
3. Milk Unions/Federation learn how to fill in a **simple excel based template**, for providing the **list of active or covered villages with their census village code** information on a quarterly basis.
4. NDDDB provides continuous support over **phone, e-mail** and also by **periodic refresher training at Anand** for use of **i-DGIS**.

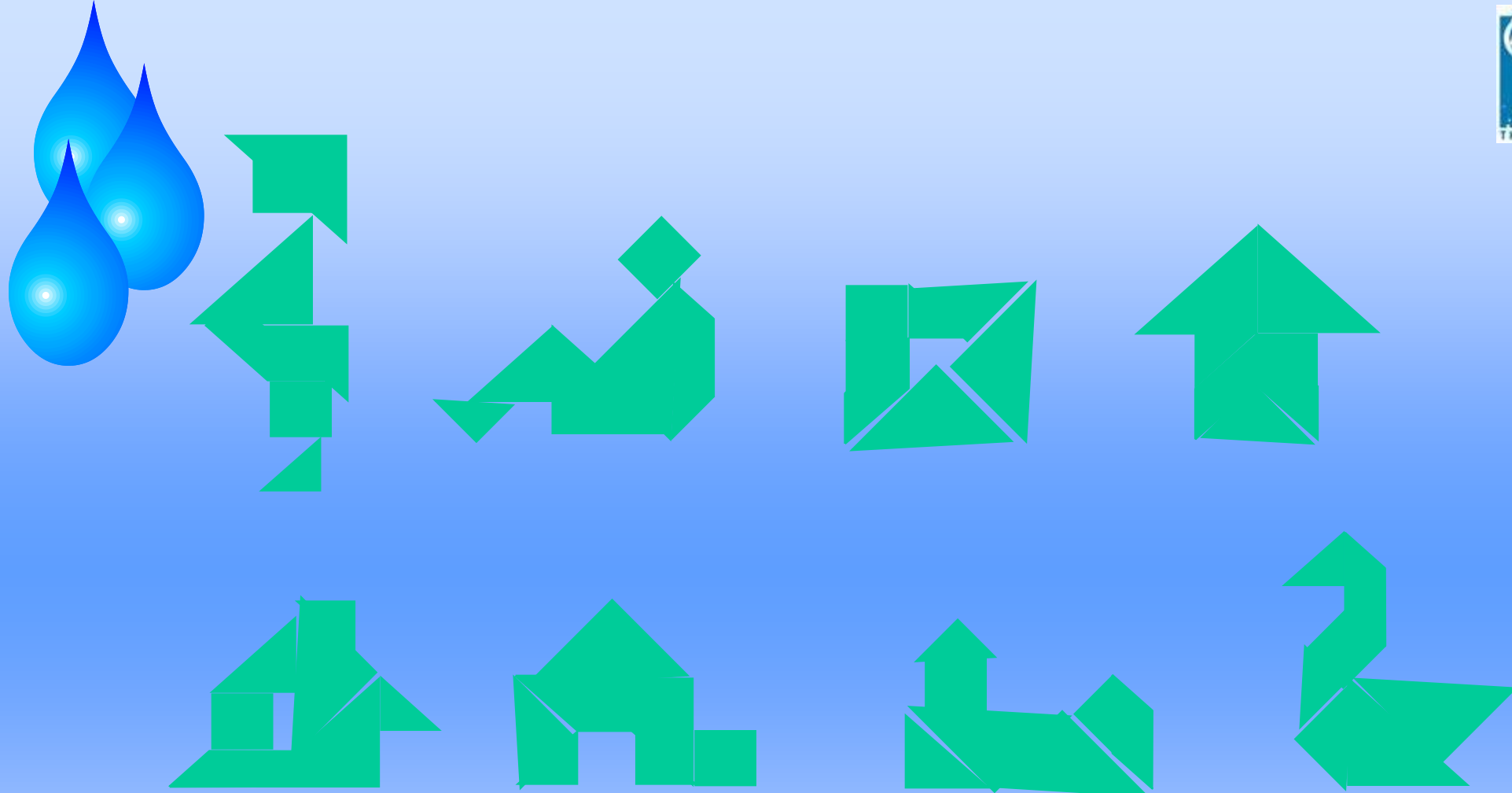


# Demonstration of the i-DGIS



- Now, we will demonstrate the functioning of the i-DGIS and also show how it can be used as a tool for decision making.
- **i-DGIS** contains information of over 5 Lakh villages out of approximately 6 Lakh inhabited villages in the country
- Participation of the Milk Unions/Federation by sharing locational data of the villages covered by them, on a regular basis, will add tremendous value to the towards building up information system for organised dairy development in the co-operative sector.





***Thank You !***