

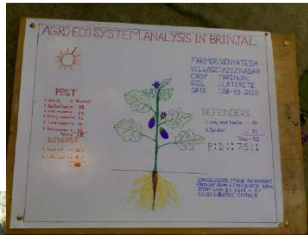
Agro-Ecosystem Analysis (AESA)

What is AESA???

An approach, which can be gainfully employed by extension functionaries and farmers to analyse field situations with regard to pests, defenders, soil conditions, plant health, the influence of climatic factors and their interrelationship for growing healthy crop.



Why AESA is needed



Identification

Analysis



observation

Discussion

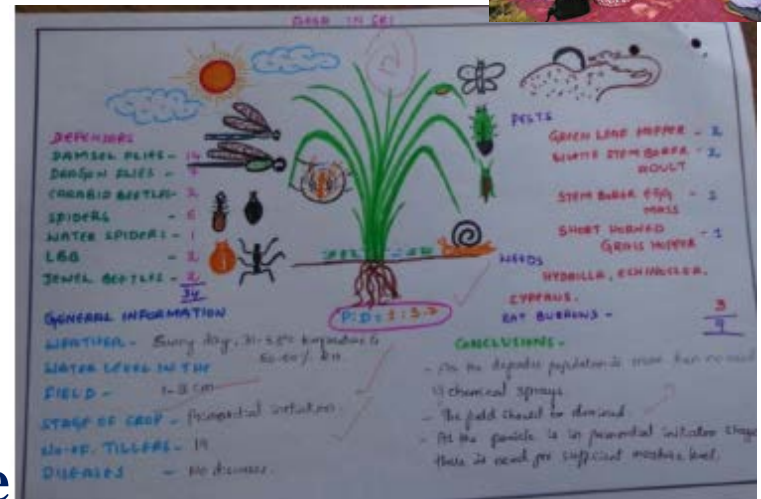
Decision making skills



AESA Methodology

1. Field Observations:

- Plant health at different stages
- Built-in compensation abilities of the plants
- Pest and defender population dynamics
- Rats
- Weeds
- Soil conditions
- Climatic factors
- Weather
- Farmer past experience



Agroecosystem analysis chart

Cont...

2. Drawing

3. Group discussion and Decision making

4. Strategy for decision making, based on natural enemy population.



5. Pest monitoring through pheromone /light traps: to monitor the initial pest build up.

i. Pheromone Trap:

ii. Light trap:

iii. Sweep-nets-water pans

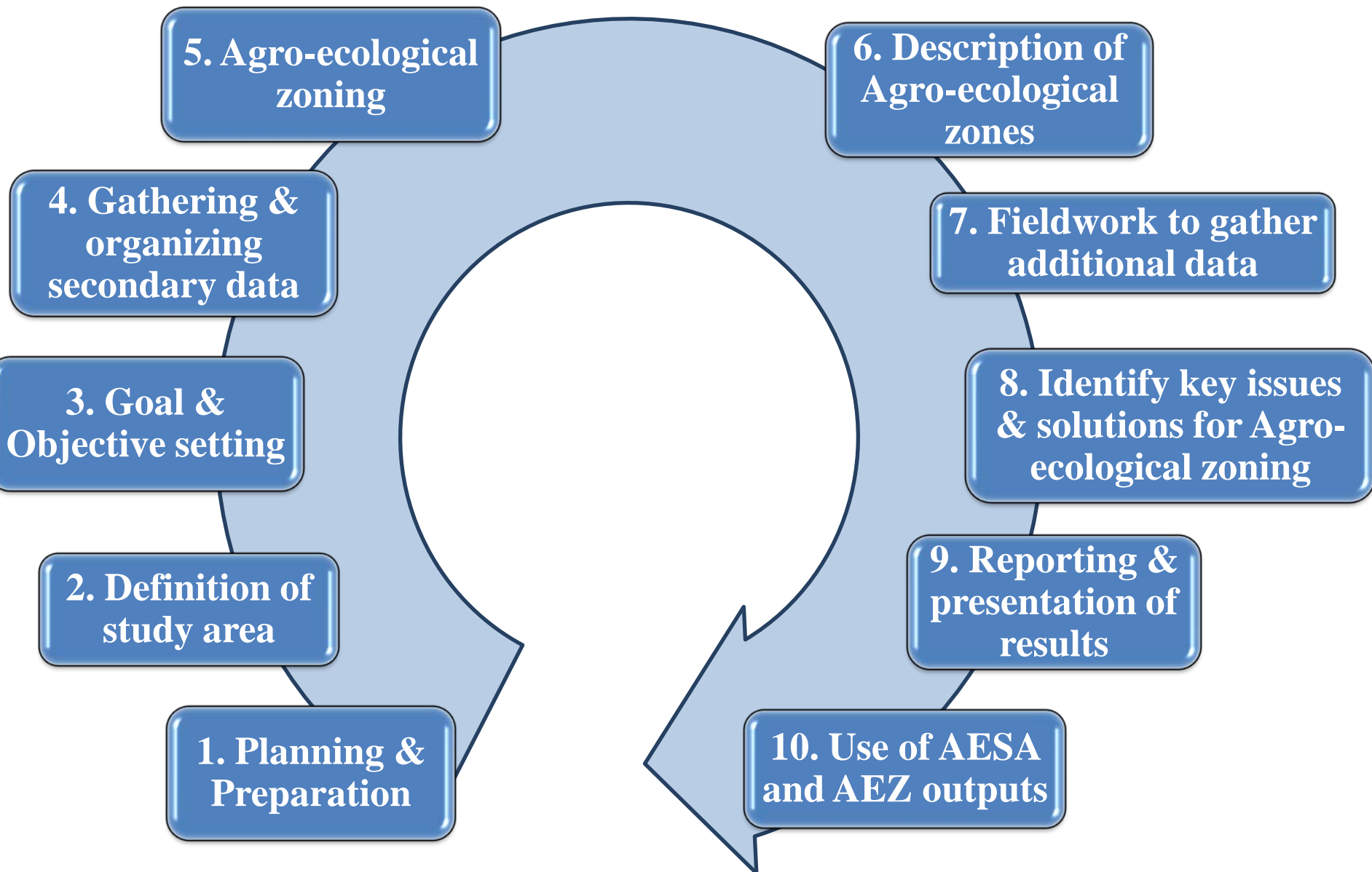
6. Economic threshold level (ETL):



- **AESA by Extension Functionaries**
- **AESA by farmers: After a brief exposure during IPM demonstrations/ field trainings, farmers can practice AESA in their own field.**



AESA implementation stages



AESA and Farmer Field School

- AESA is a season long training activity that takes place in the farmer field.
- it covers all the different developmental stages of the crop and their related management practices.
- Learner centered, participatory and relying on an experiential learning approach and
- Integral part of FFS.



AESA based IPM training for farmers

