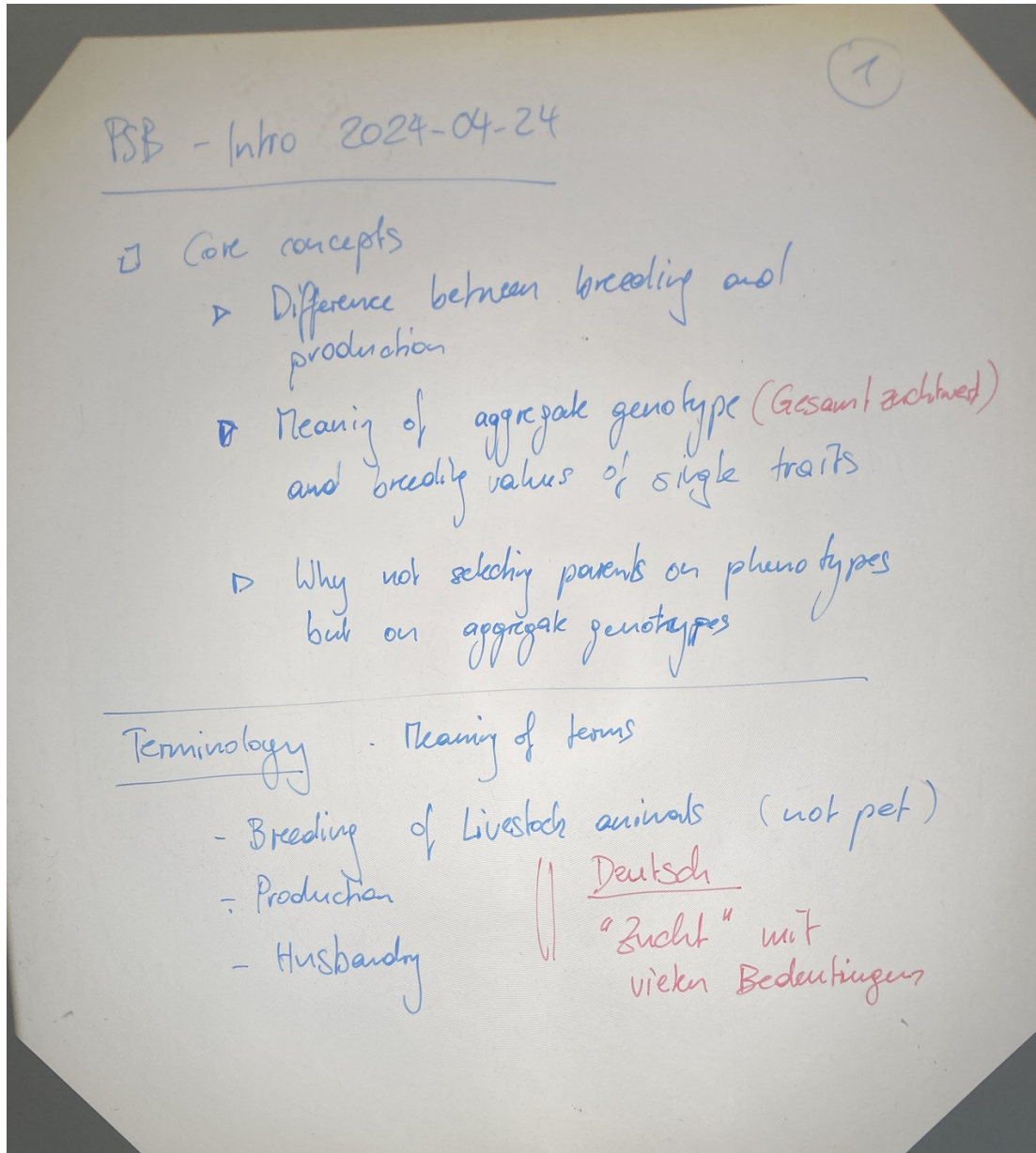
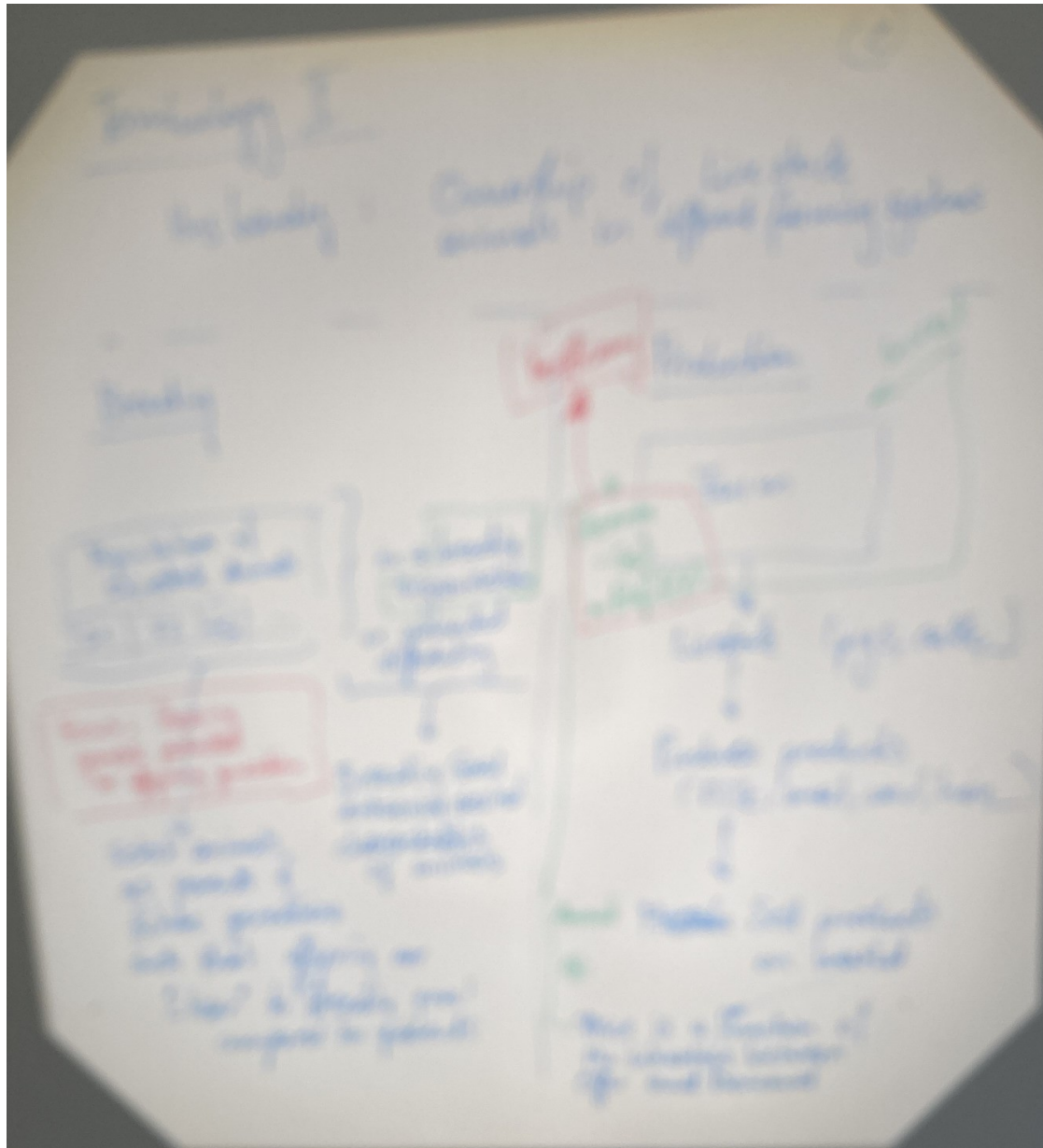


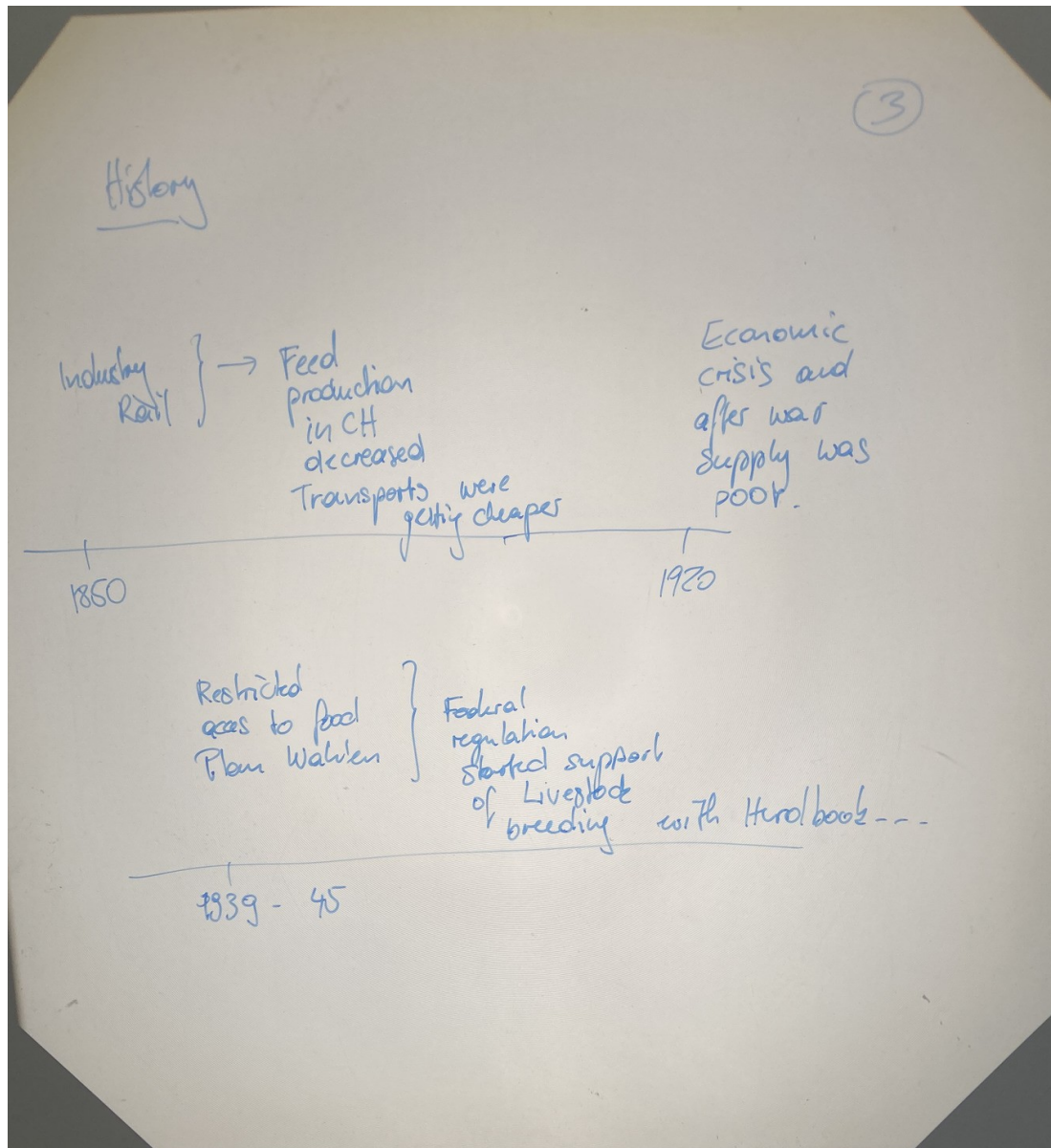
## OHP Picture 1



OHP Picture 2

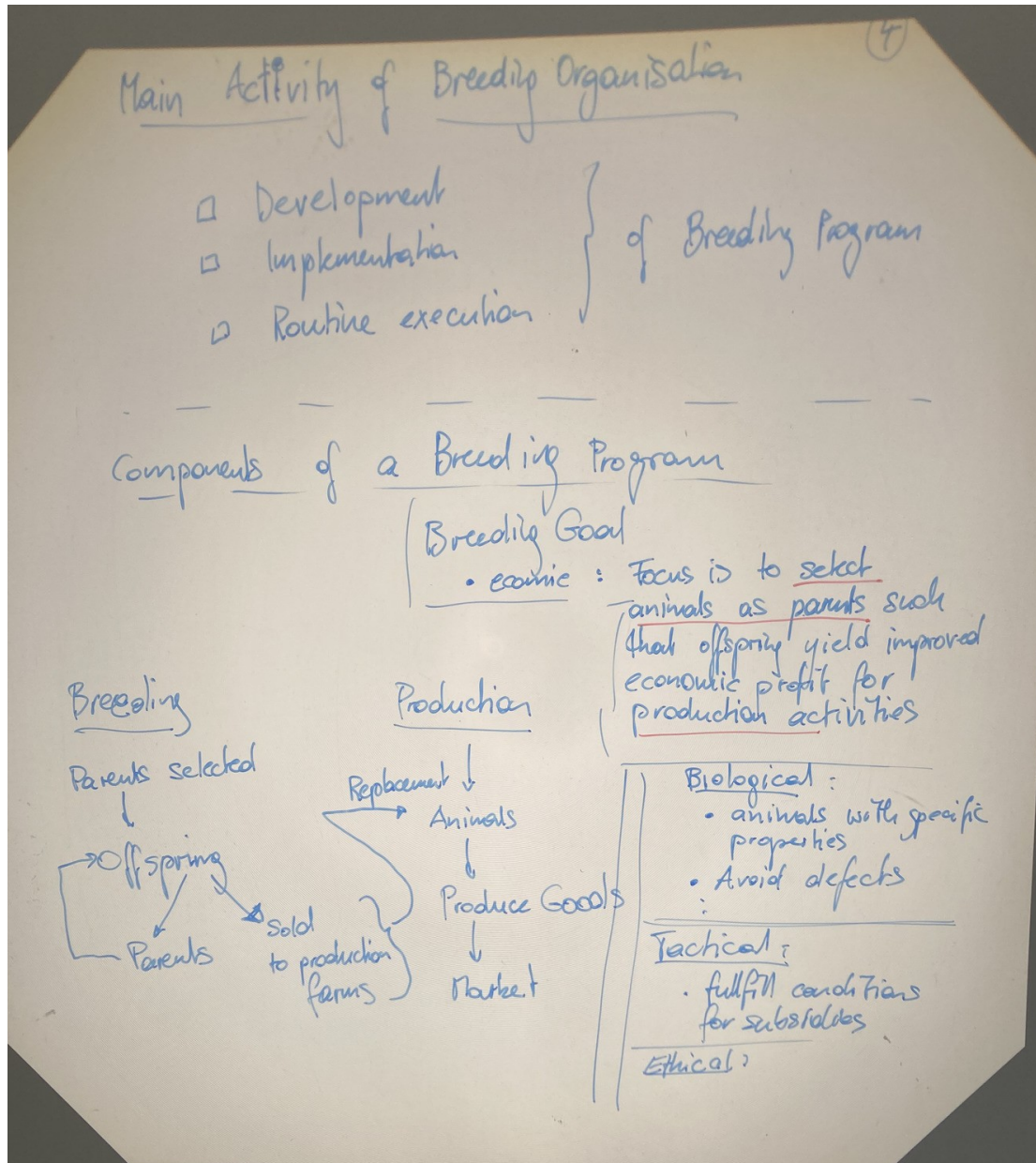


OHP Picture 3





OHP Picture 4



(5)

### Breeding Program

- Given a certain definition of a breeding goal, the following activities ~~is~~ are implemented in order to run the breeding program.
- Recap: Select animals from complete population as parents such that offspring "closer" to breeding goal than parents.

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① Performance Test

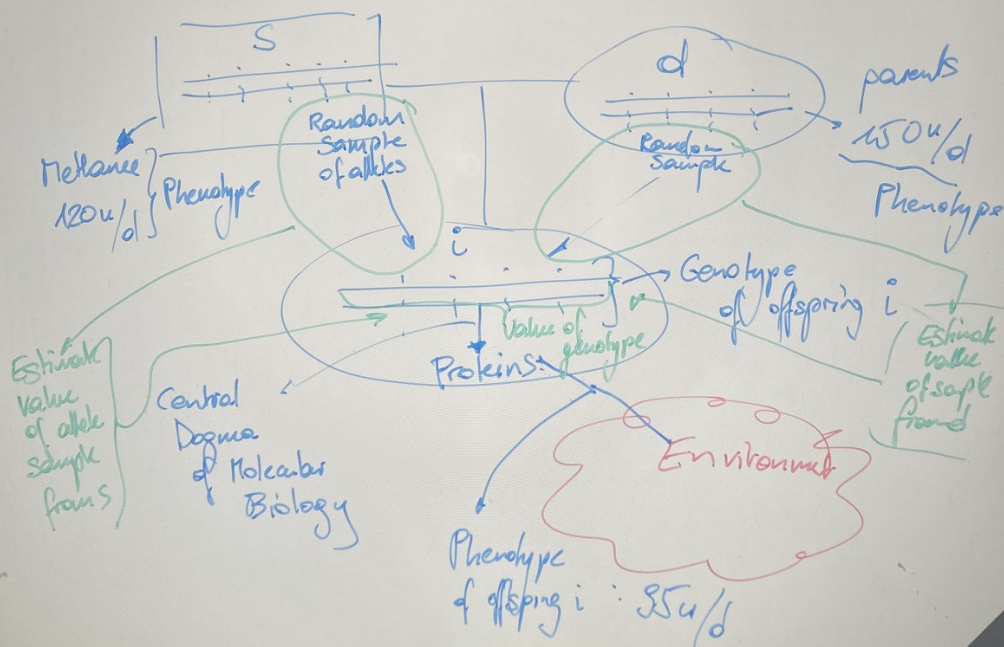
- Description of the current state in population with respect to traits of interest
  - defined/determined by economic breeding goal

Results are collected in Database

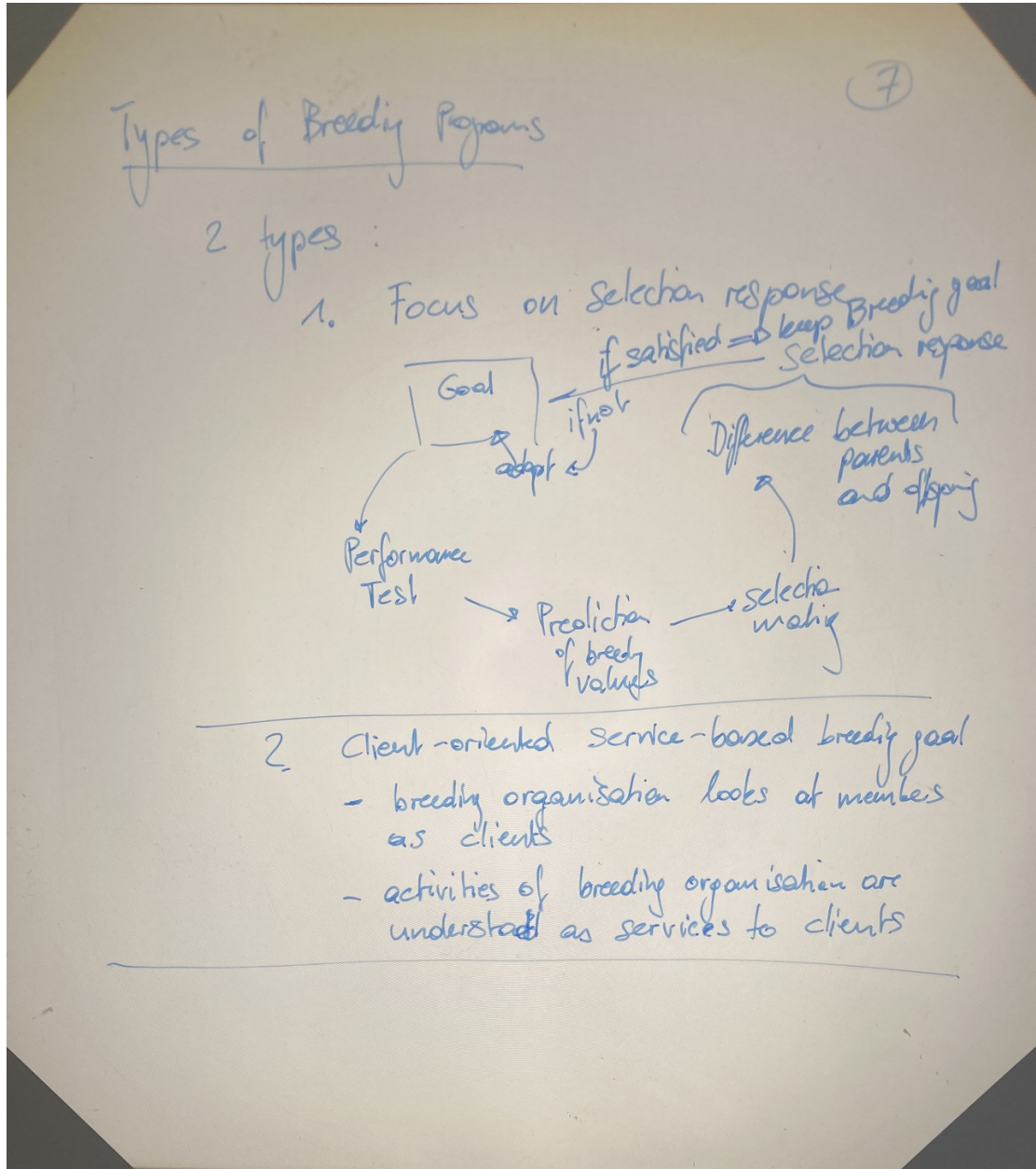
This means, we have to find the traits (characteristics) of animals that have an influence on economic efficiency of producer farm

## 2. Prediction of Breeding Values

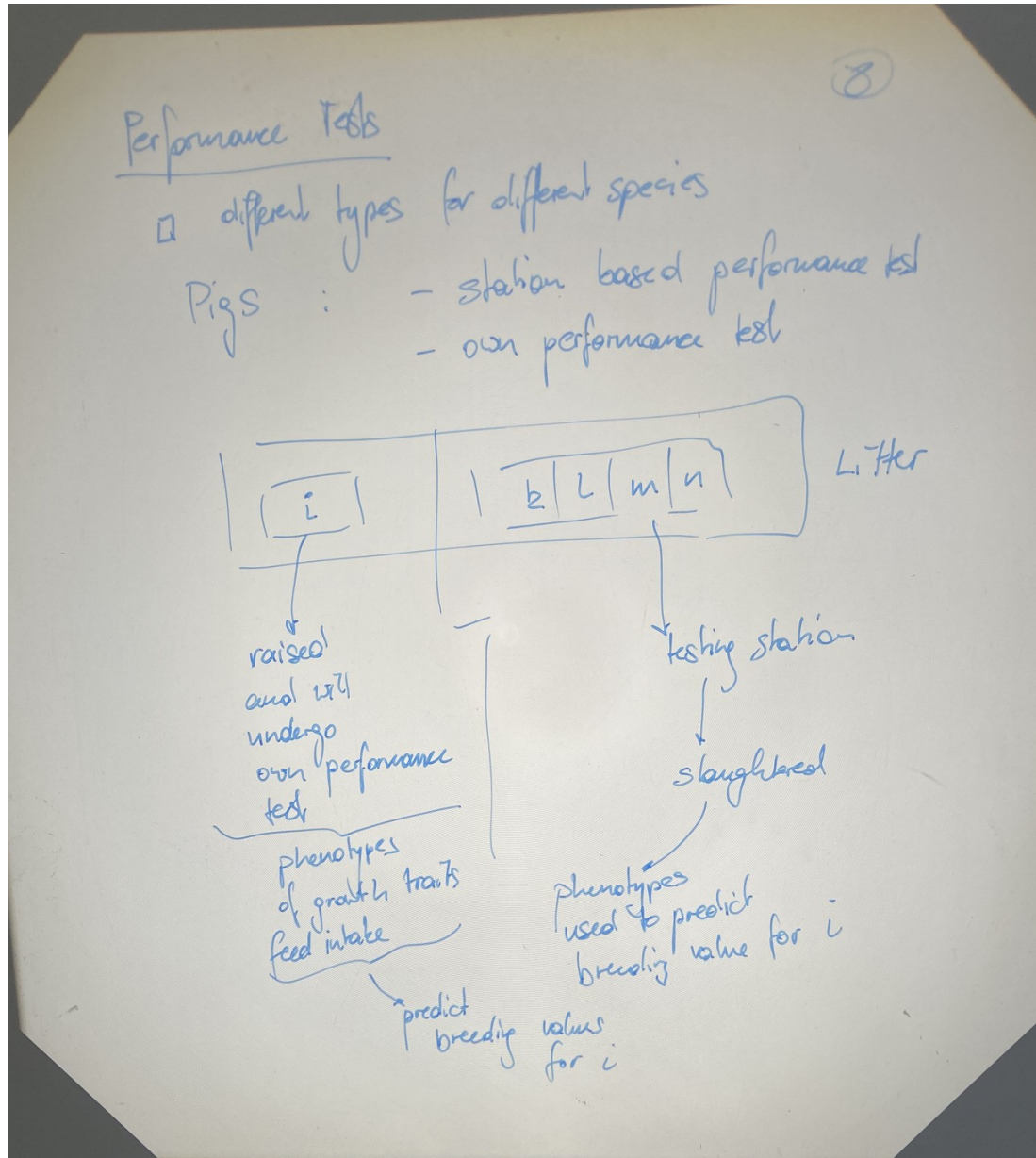
- From 1., we have a database of phenotypic observations from traits of interest.
- Phenotypic data cannot be used directly for selecting parents, because parents do not pass phenotypes to offspring.







## OHP Picture 8





OHP Picture 9

