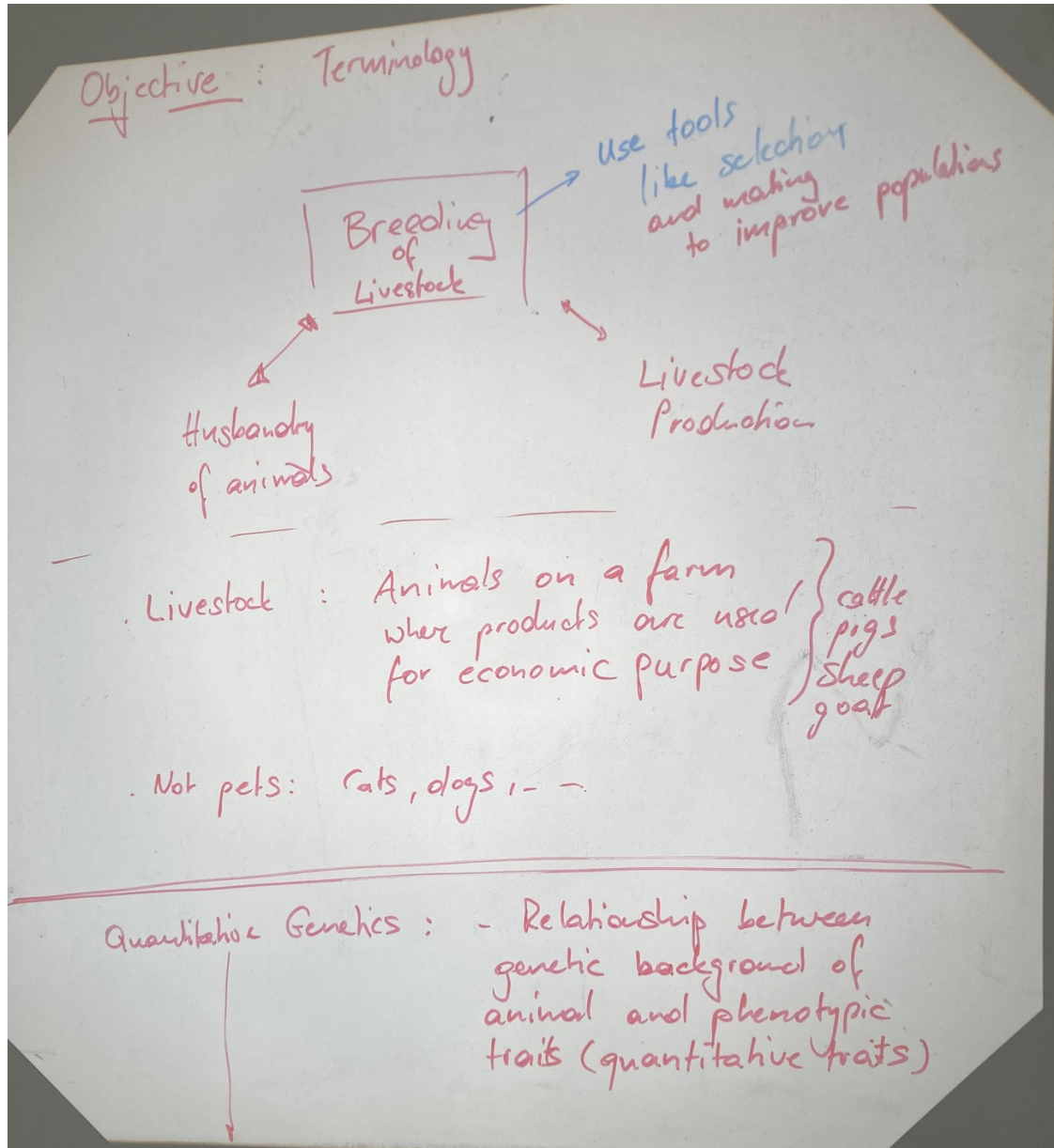
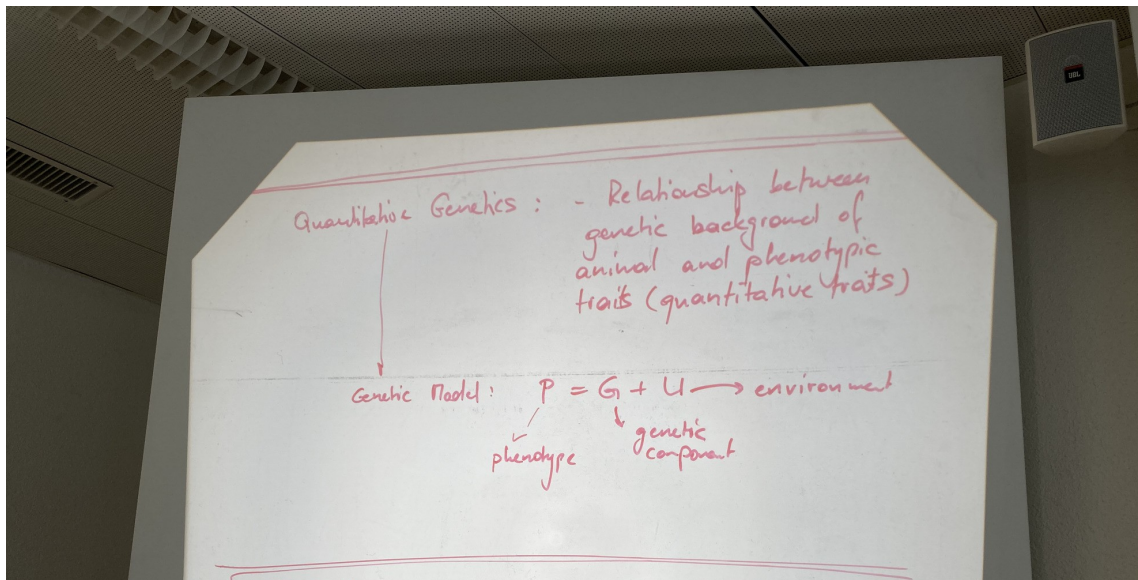


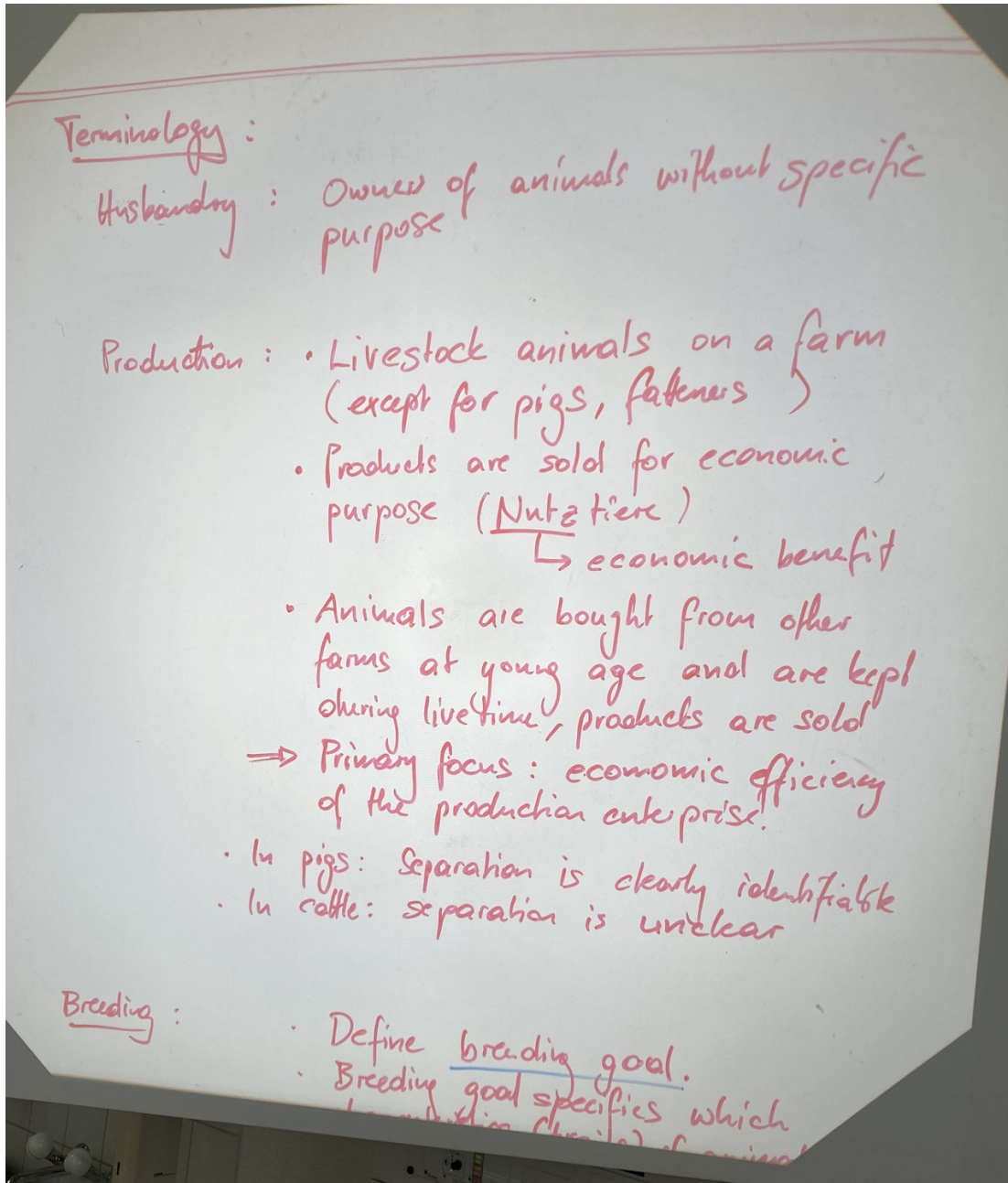
OHP Picture 1



OHP Picture 2



OHP Picture 3



OHP Picture 4

Breeding :

- Define breeding goal.
- Breeding goal specifies which characteristics (traits) of animals should be changed and in which direction

Examples of traits:

- intramuscular fat in pigs (beef cattle)

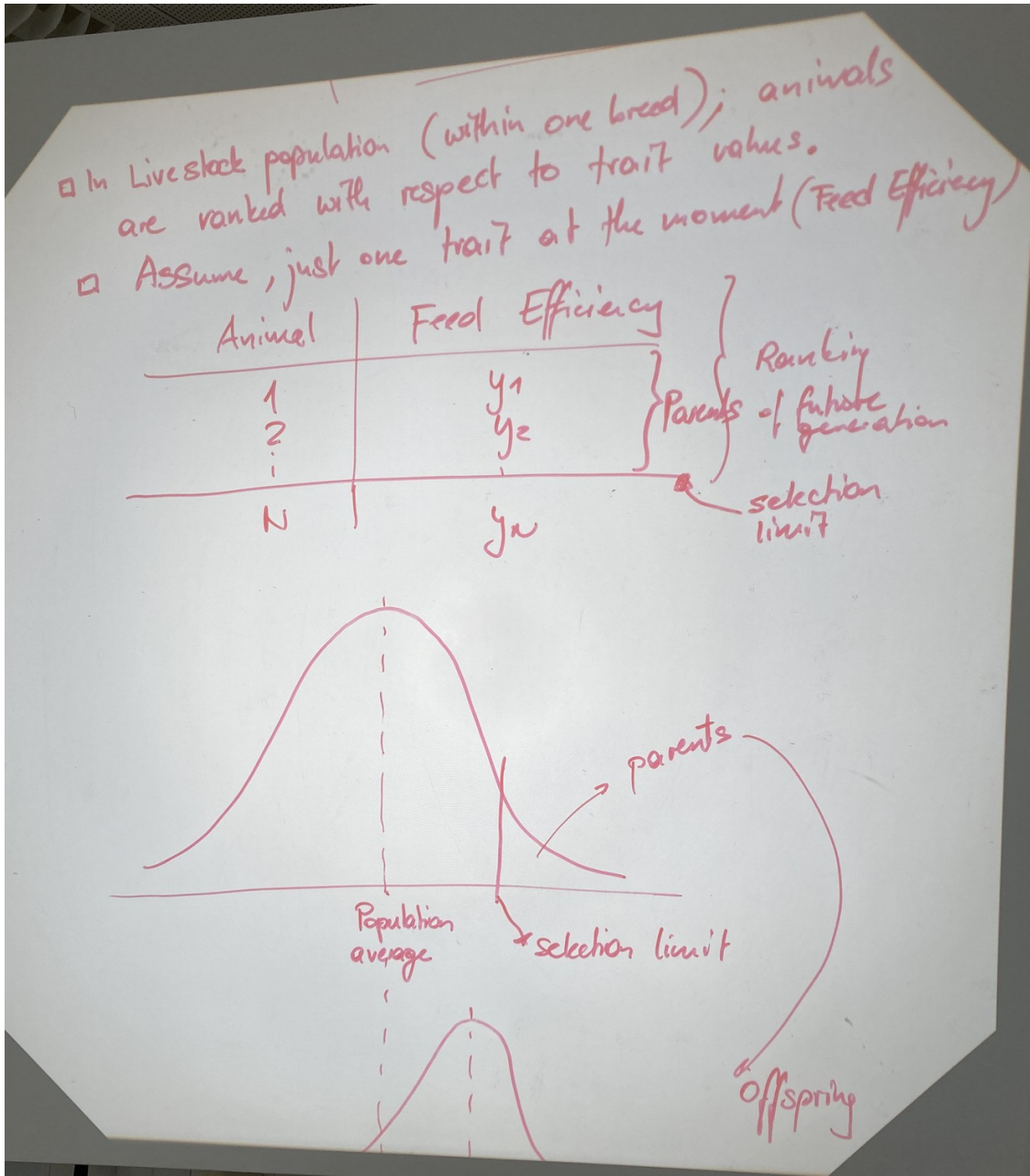
Breeding Goal :

Traits	Direction	
IMF	↗	} (Optimum: 1.8%) } Pigs
Fecal intake	↘	
Growth	↗	
...		
Health Resistance	↗	} cattle
Resilience		
Production	↗	
Methane	↘	
Feed Efficiency	↗	

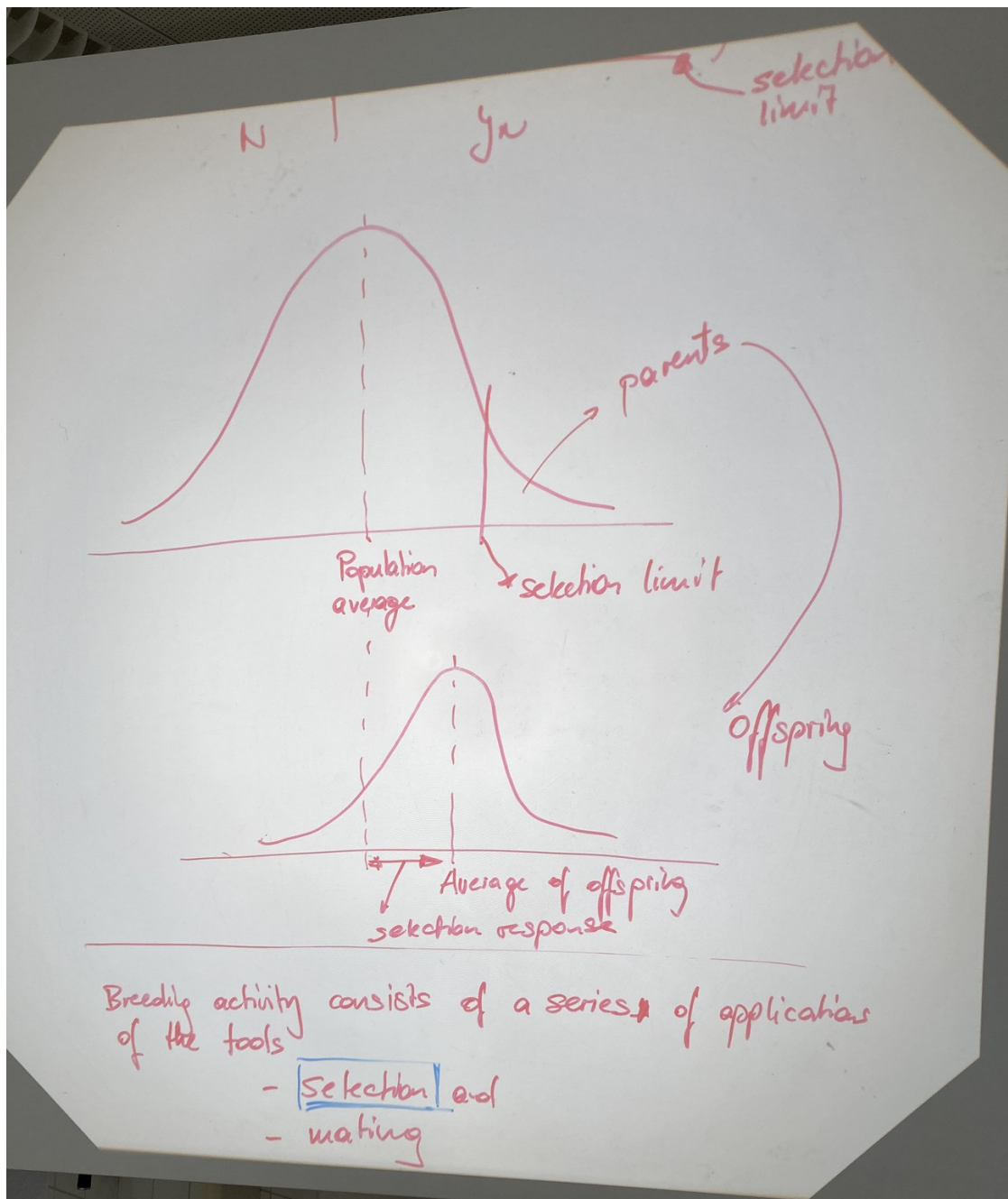
□ In Livestock population (within one breed); animals are ranked with respect to trait values.

□ Assume just one trait at the moment (Feed

OHP Picture 5



OHP Picture 6



OHP Picture 7

selection response

Breeding activity consists of a series of applications of the tools

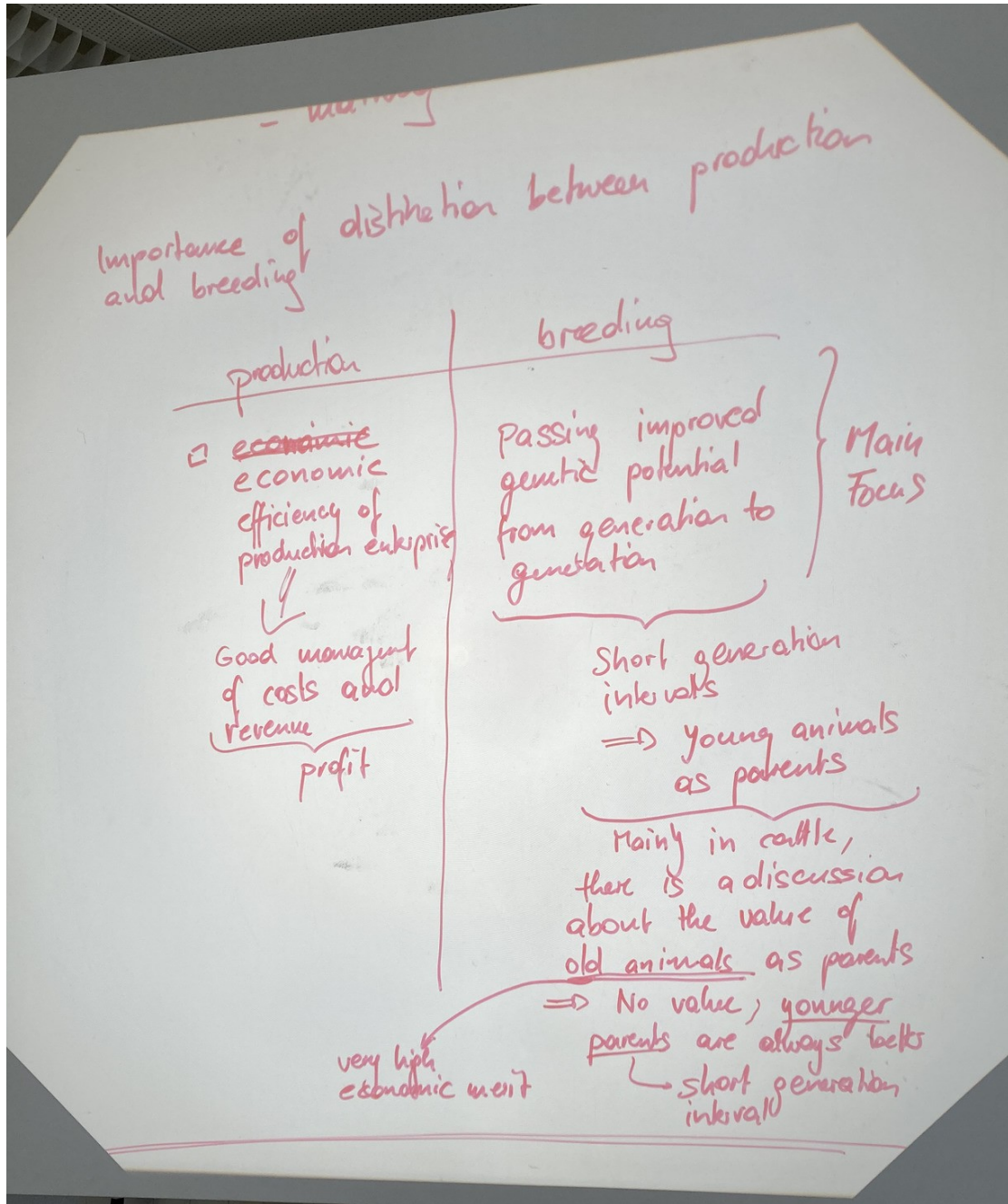
- Selection and
- mating

Importance of distinction between production and breeding

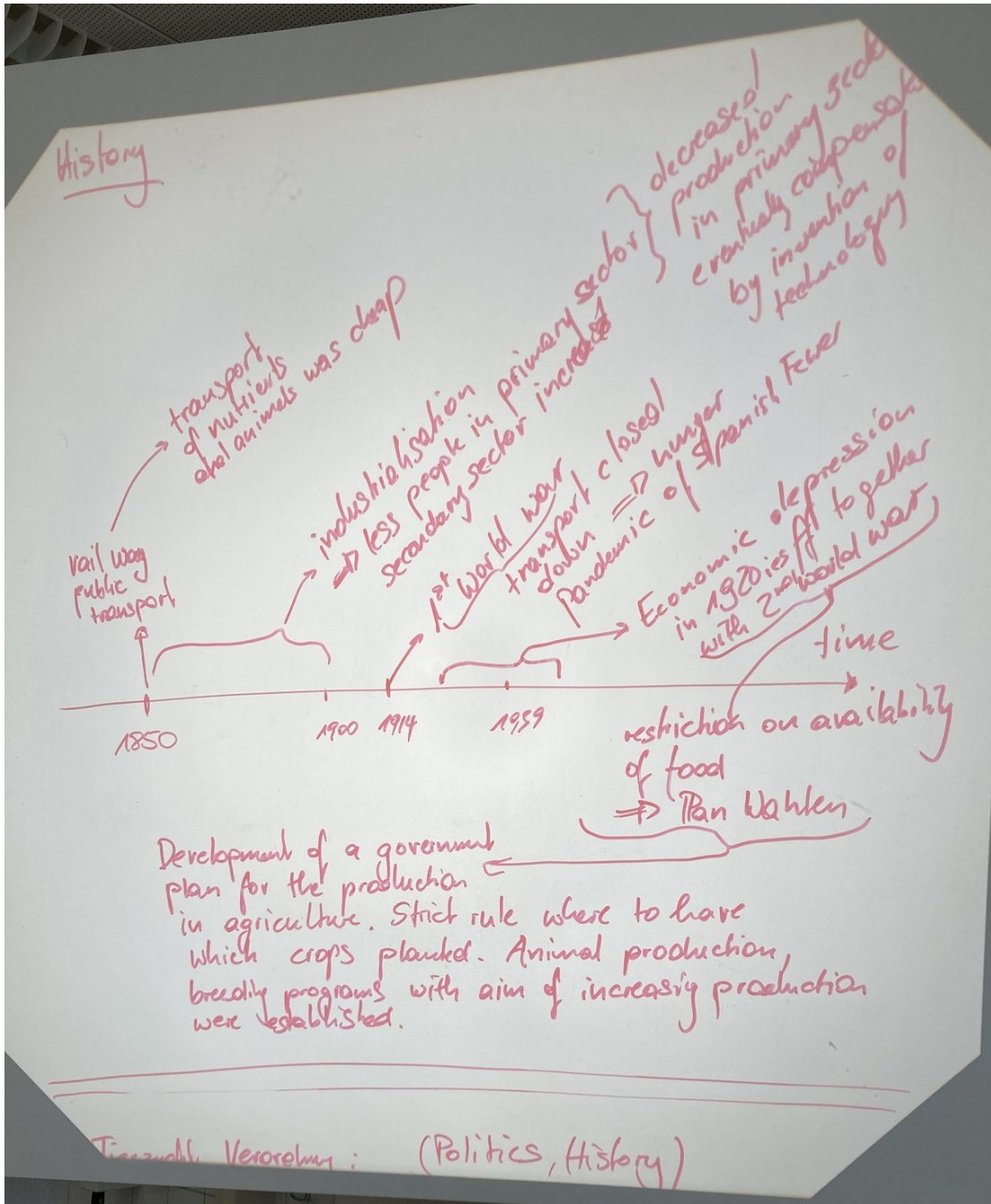
production	breeding
<p>□ economic economic efficiency of production enterprise</p> <p>↓</p> <p>Good management of costs and revenue</p> <p><u>profit</u></p>	<p>Passing improved genetic potential from generation to generation</p>

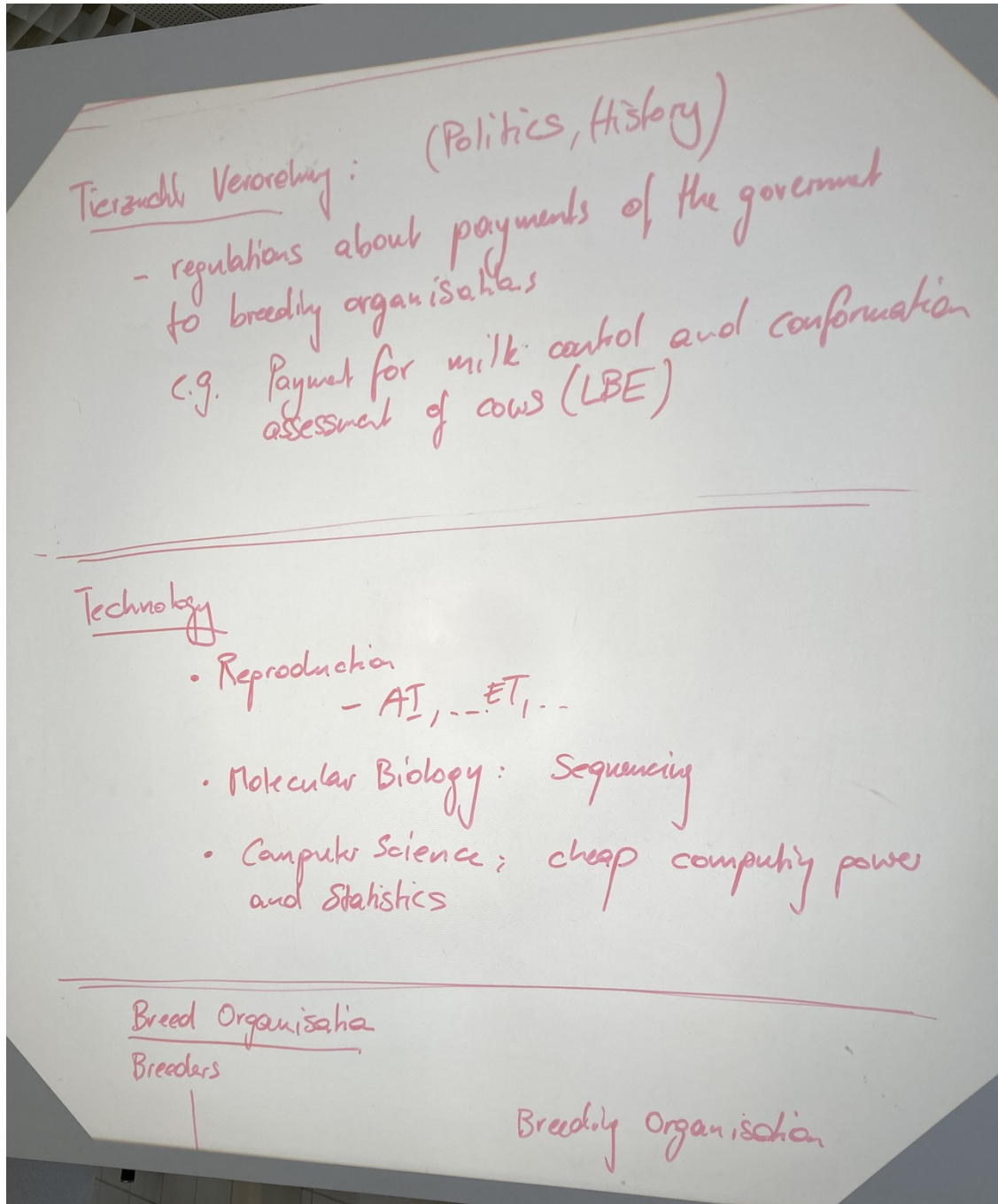
} Main Focus

OHP Picture 8

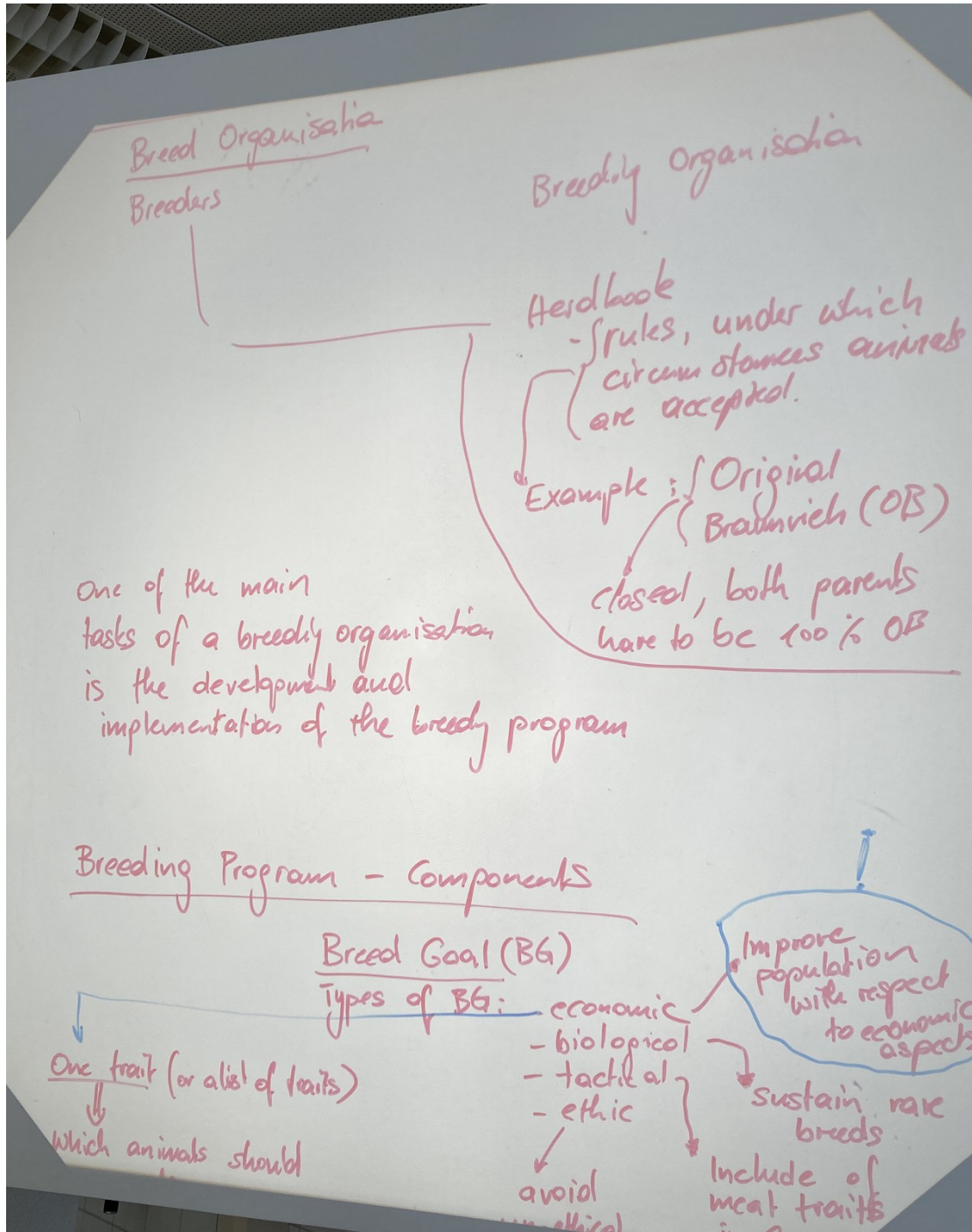


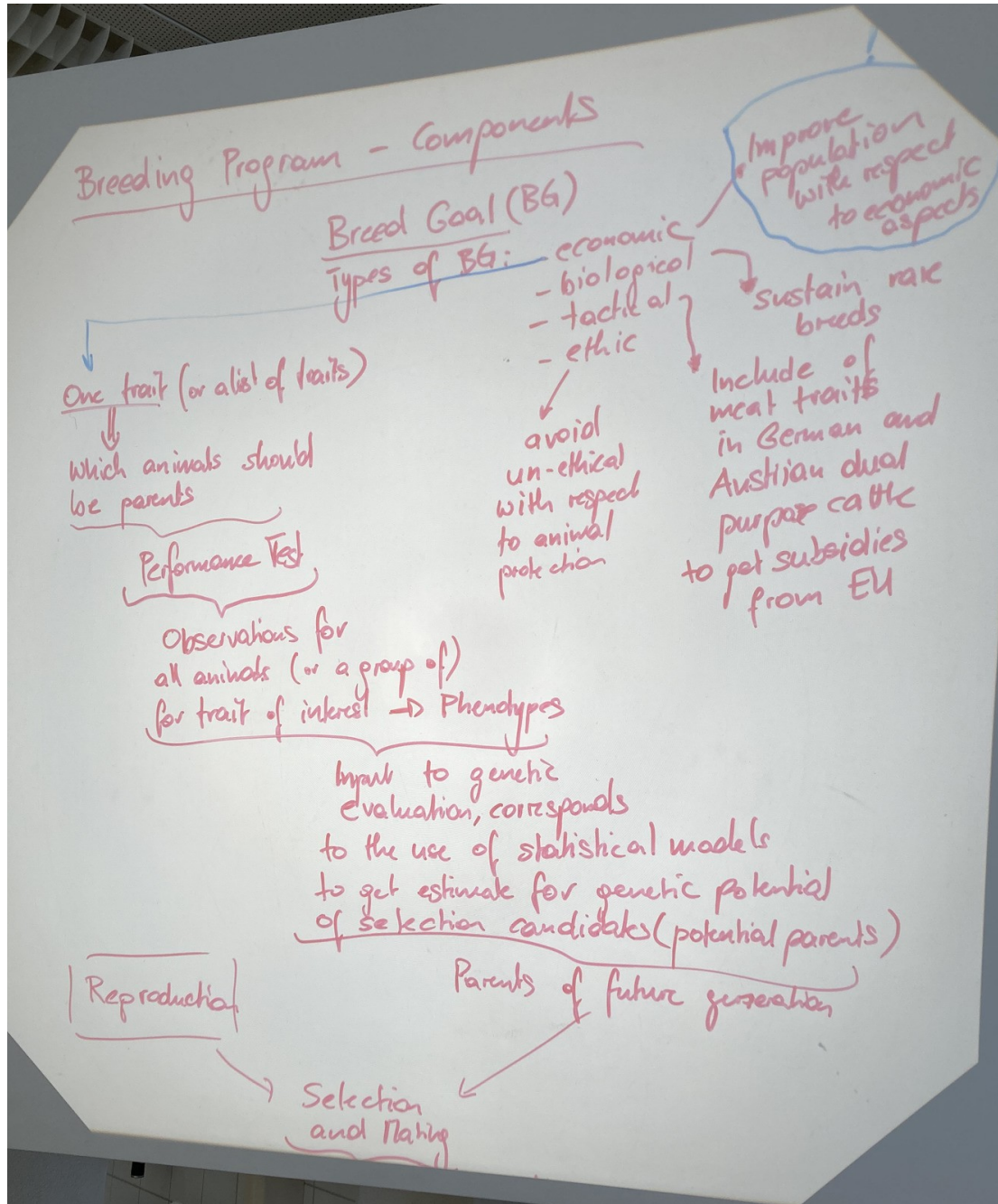
OHP Picture 9





OHP Picture 11





OHP Picture 13

