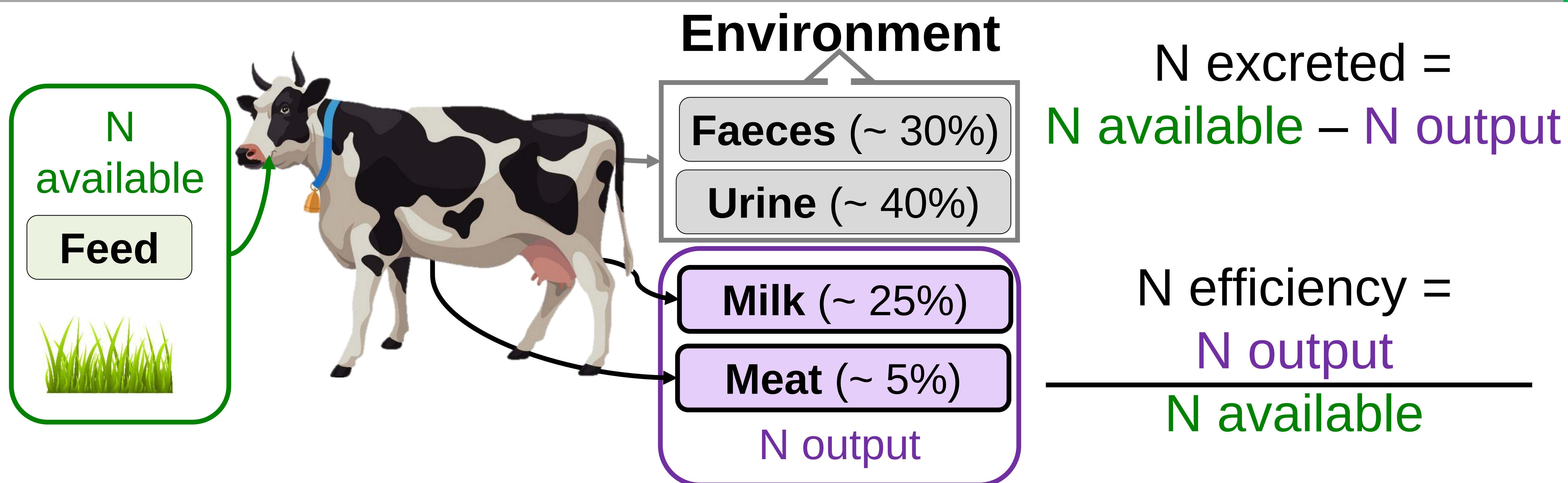
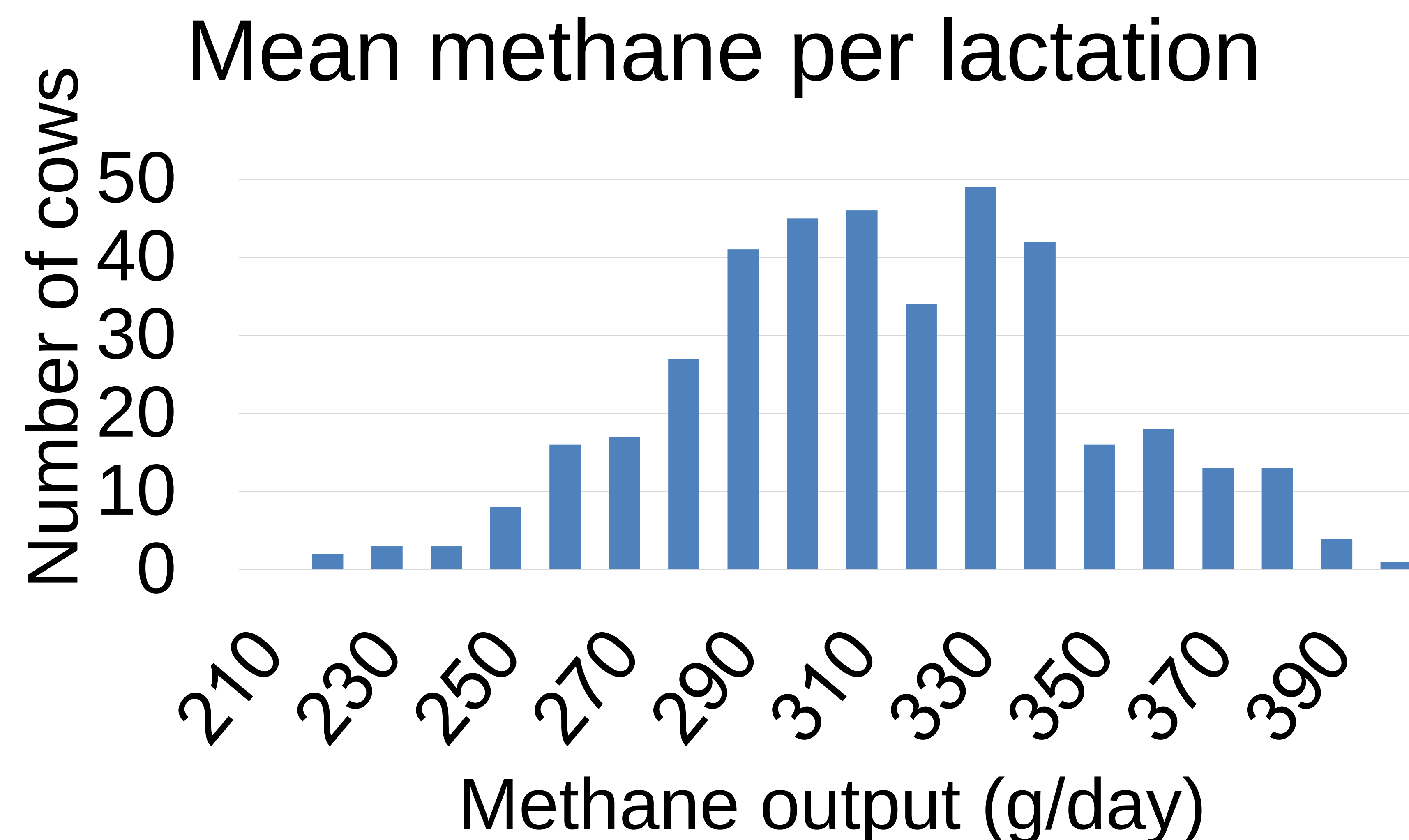




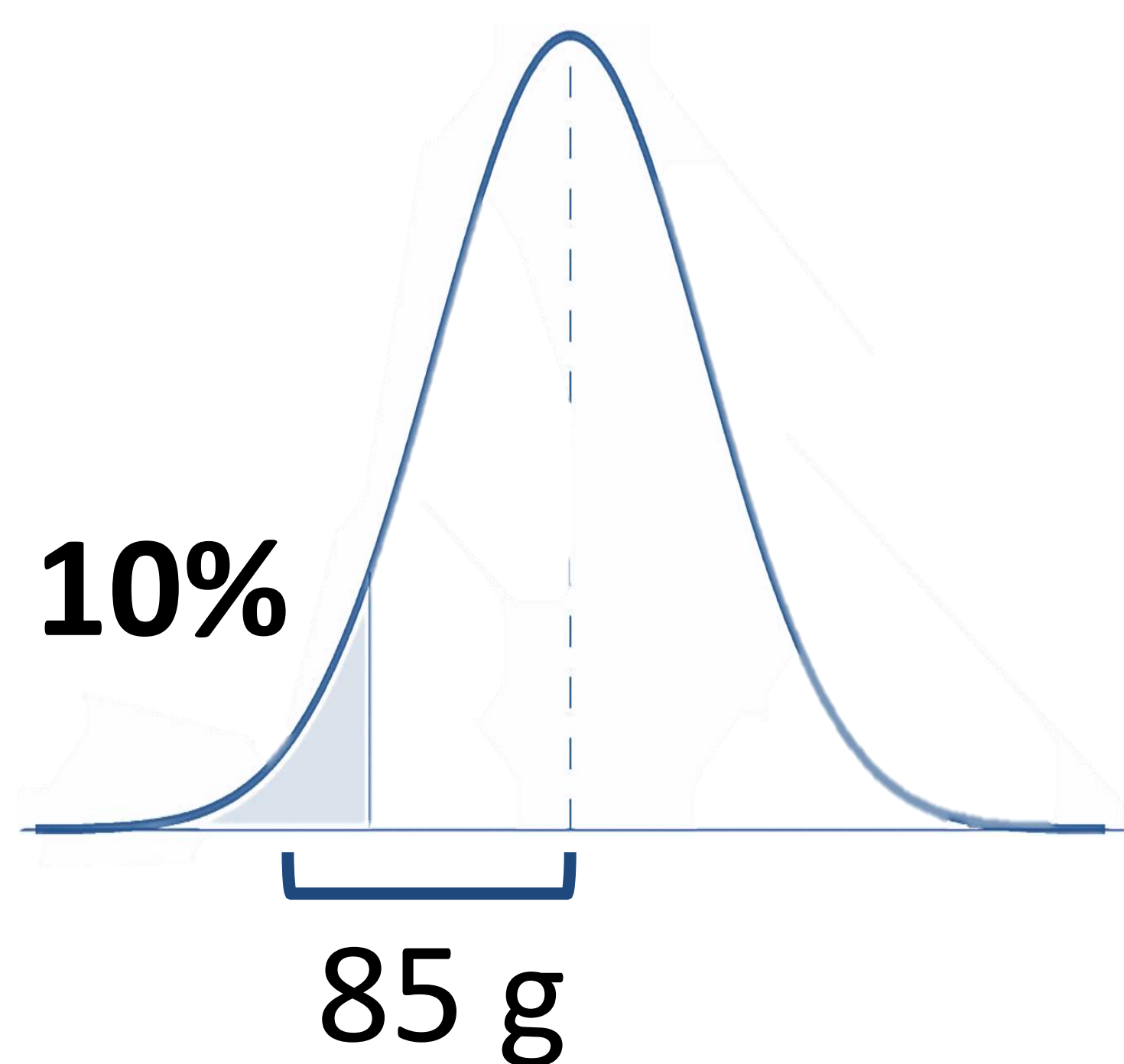
Breeding low methane dairy cows



Lots of variability among similarly managed animals in methane output

Breeding nitrogen efficient grazing dairy cows

Genetic variability in nitrogen efficiency and excretion



10% best cows - average	85 g/day
Percent genetic	11%
Potential improvement	30 g
Lactation length	288 days
Nitrogen saved per lactation	8.3 kg/cow
	1.55 millions cows
Potential decrease	12,900 tonnes

Take home messages

Breeding for improved environmental metrics is possible