

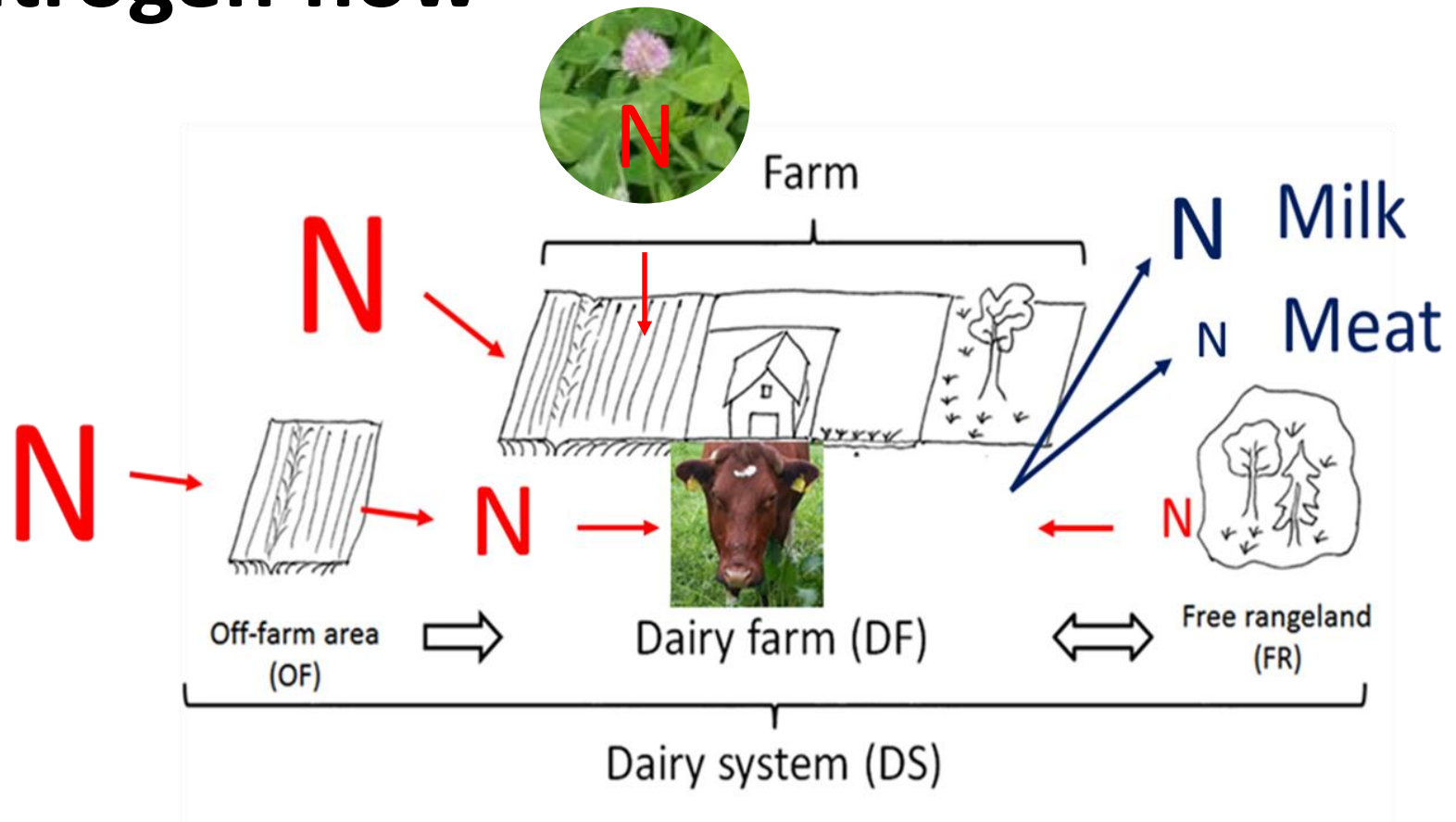
Norsk senter for økologisk landbruk



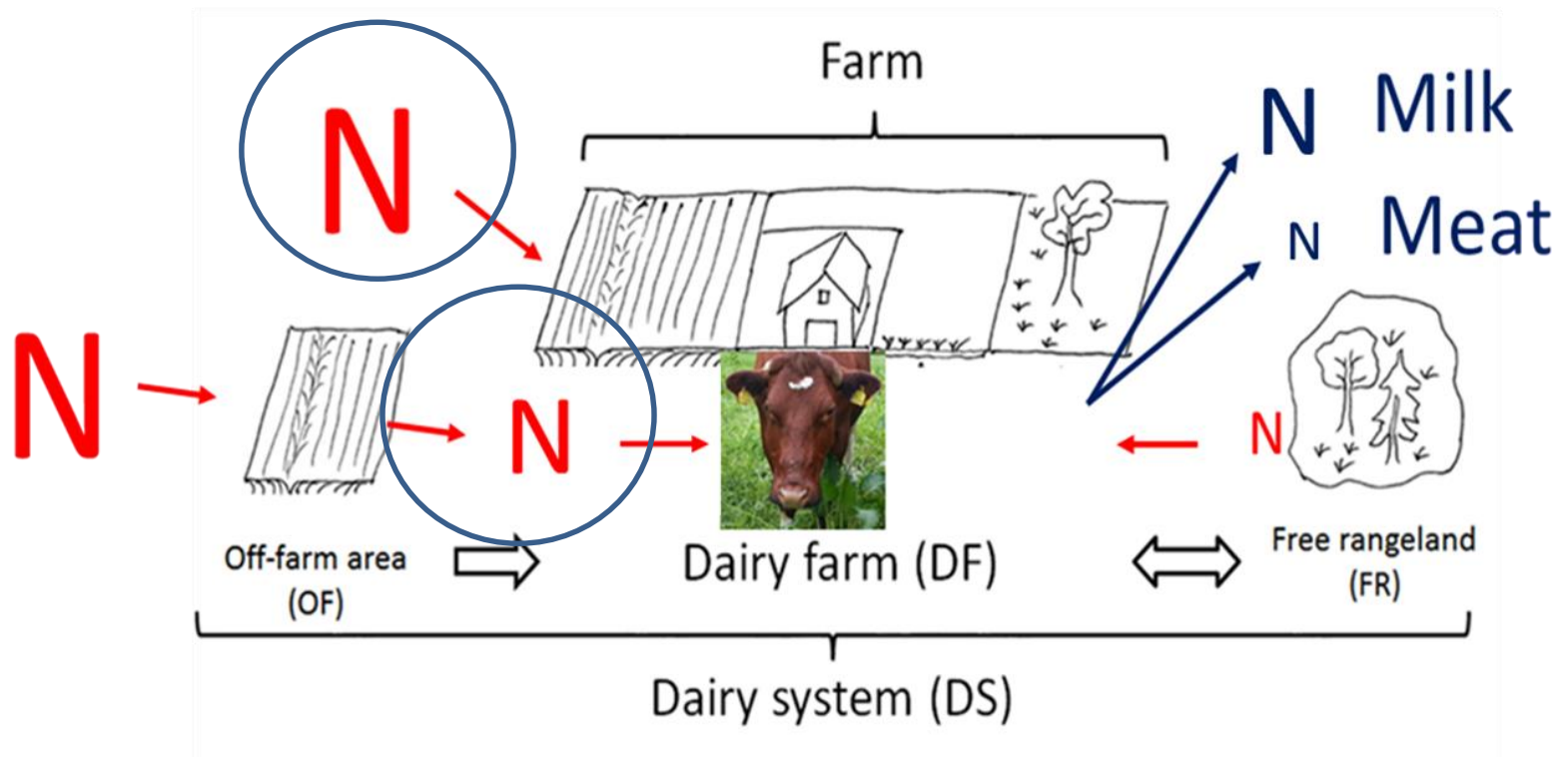
Nitrogen efficiency on dairy farms

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Nitrogen flow



Nitrogen flow



N-efficiency purchased N farm

N-efficiency

Organic farms

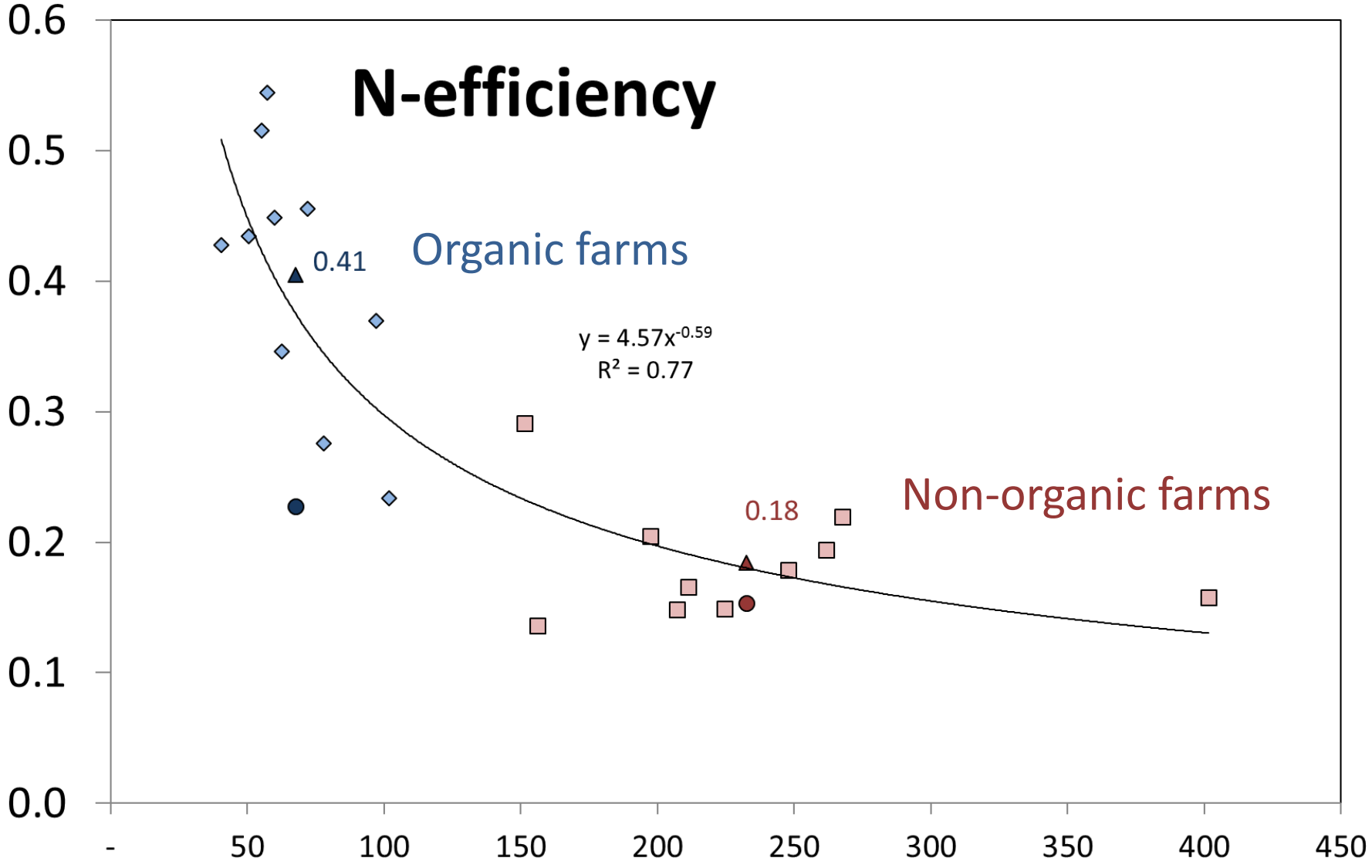
Non-organic farms

$$y = 4.57x^{-0.59}$$
$$R^2 = 0.77$$

0.41

0.18

N-purchase (kg N / ha weighted farmland)



Conclusions



- Increasing amount of N-purchase increased the farm N-surplus per ha, but not per unit of N-produce
- The organic farms had lower N-surplus per ha than the conventional farms, had higher N-efficiency of N-purchase on farm and lower N-surplus per unit of produce
- Large variation within farming systems

Large possibilities to improve N-efficiency

Question?



Thank you for your attention