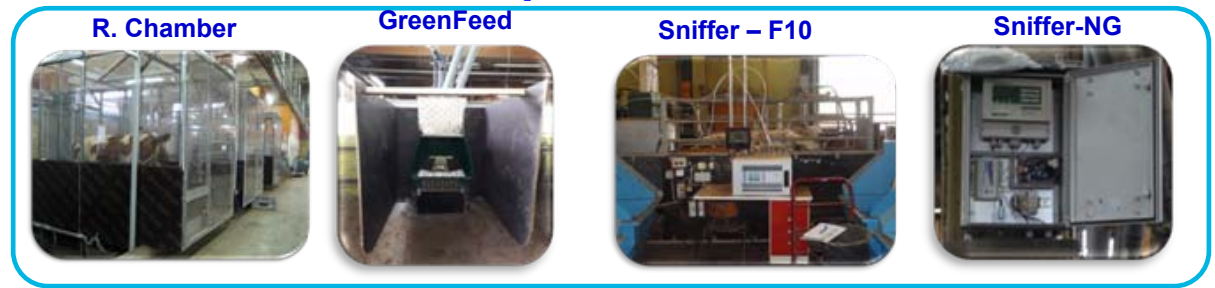




## Methane phenotyping with different techniques and estimates of genetic parameters for the Nordic Red cattle in Finland

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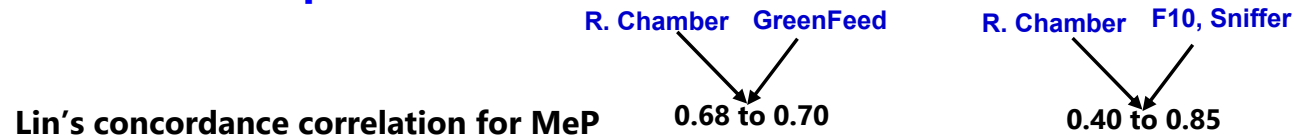
## CH<sub>4</sub> measurement techniques used in Finland:



## Methods performances:

Techniques	CH <sub>4</sub> production CH <sub>4</sub> g/day	CH <sub>4</sub> Intensity g CH <sub>4</sub> /kg ECM	CH <sub>4</sub> yield g CH <sub>4</sub> /kg DMI
Chamber	453.0±55	17.1±1.6	21.3±1.4
GreenFeed	467.1±61	21.6±1.5	14.8±1.8
Sniffer	400.1±33	20.6±4.3	13.9±3.5
h <sup>2</sup>	0.05	0.05	0.08

## Methods comparison:



## Conclusion

Some disparity between techniques. For effective use of scarcely recorded CH<sub>4</sub> in livestock, tools and methods should be developed for standardizing and harmonizing into a unified set.