

Greenhouse gas emission intensity of milk production in three Slovenian sheep breeds

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The aim of the study was to determine:

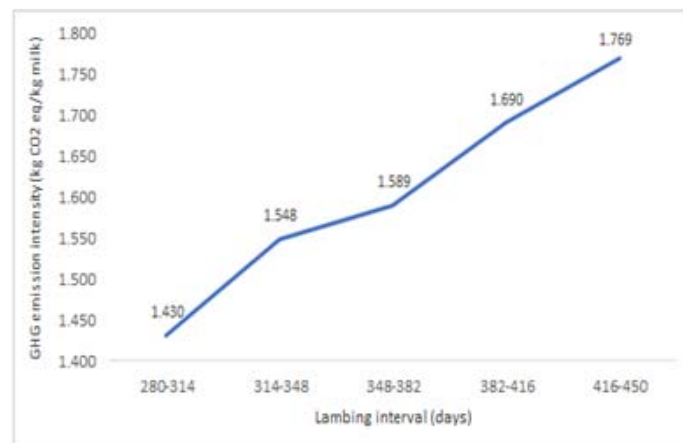
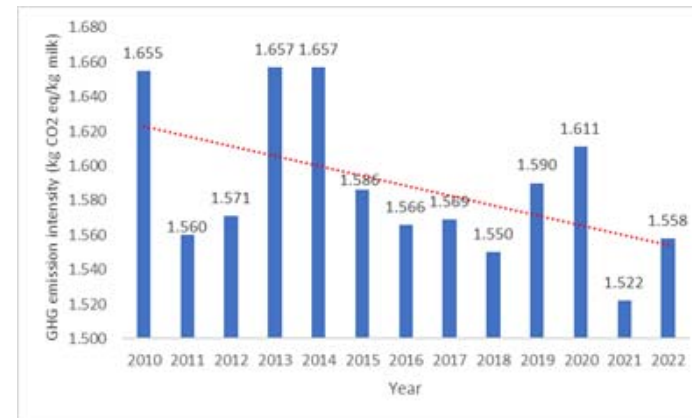
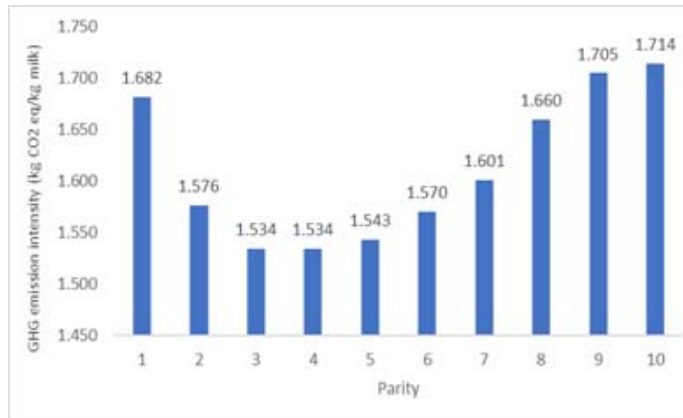
- intensity of GHG emissions in three Slovenian dairy sheep breeds
- main impacts on GHG emissions
- the trends

Materials and methods

- 21,655 lactations from 2010 to 2022
- methods according to **IPCC** and **EMEP**
- GHG emission intensity expressed as CO₂ eq /kg milk

Results

- big differences between breeds in GHG emission intensity
- decreasing GHG emission intensity with increased litter size



Conclusion

- selection for high milk production could be a useful tool to reduce the intensity of GHG emissions
- some fertility traits correlated with GHG emission intensity (short lambing interval → low GHG emission intensity!)