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Subject	Abstract presented manuscript as ORAL presentation	Update ICAR Feed and Gas Working Group: Guidelines and international collaboration for genetic evaluation

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Session: Recording and selection tools for feed efficiency and environmental impact

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Title of the presentation: Update ICAR Feed and Gas Working Group: Guidelines and international collaboration for genetic evaluation

ABSTRACT

Feed efficiency and methane emission are important trait groups with regard to environmental impact, sustainability and efficiency of dairy cattle production. The ICAR Feed and Gas working group has been established as a permanent ICAR working group in 2015 to support ICAR's key role of providing guidelines on animal recording to support farmers in daily management decisions and to deliver validated information for genetic evaluation. The main objectives of the group are:

- To update and extend guidelines for recording dry matter intake and methane emission in cattle, sheep and goats worldwide
- To provide a forum to ensure international exchange of knowledge and project results for feed intake and methane emission and coordinate international collaboration in research and development
- To conduct and report periodic international surveys
- To elaborate challenges and possibilities for international genetic evaluation for feed efficiency and methane emission

The Feed and Gas working group has elaborated first guidelines in 2020. Current priorities of the group are to update and extend guidelines and evaluate possibilities for international genetic evaluation. In this presentation, we will report about (1) updated extended guidelines for recording feed efficiency and methane emission for management purposes and genetic evaluations and (2) challenges and possibilities for international collaboration for genetic evaluation.

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