



Cow feeding.

ANIMAL NUTRITION

Improving the sustainability of livestock systems by understanding the nutrition of animals.



Research Areas

- Nutritional physiology;
- Feeds, feeding, and food quality;
- Digestion, metabolism, and environment;
- Data science and smart livestock farming.

Regions

Europe, United States, and Canada.

Partners

Agroscope; Nestlé SA; University of Zurich (UZH); Bern University of Applied Sciences (BFH); University of Pennsylvania; and Deschambault Animal Science Research Center (CRSAD).

Contact

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Contribution to the WFSC

The Animal Nutrition Group focuses on feed and feeding, and nutritional physiology of animals, with the goal to improve the sustainability of livestock systems. We explore and develop strategies to mitigate methane emissions and nitrogen excretions, and we also try to understand how climate change and extreme weather conditions affect animals. Our research in smart farming with data science to have a better understanding on animal welfare and food quality. We aim to fill critical knowledge gaps in our research field and also develop practices that could be implemented in farm operations.



Prof. Mutian Niu

