



International meeting on precision livestock farming and future perspectives for livestock production.

Discussion between Empresa Brasileira de Pesquisa Agropecuária (EMBRAPA), the Department of Agricultural and Food Sciences (DISTAL) of the University of Bologna, and La Statale University of Milan.

The workshop will be held on June 23rd at 3.00 p.m. Italian time UTC+1 (11.00 a.m. GMT-3 in Brazil) at the Animal Science Meeting Room (Auletta Zootecnia) at the 2° floor, in viale Fanin 46, Bologna, Department of Agricultural and Food Sciences and on-line on Teams (Team link: <https://teams.microsoft.com/l/channel/19%3apeZYUSMr8WNXvR7rHgZzSE9lom4oAqUHCHNyedLd8-U1%40thread.tacv2/Generale?groupId=d61b39e0-ea5e-4dec-9b71-791ced47dd10&tenantId=e99647dc-1b08-454a-bf8c-699181b389ab>).

15.00-15.10 Opening speech- Leonardo Nanni Costa (DISTAL, UNIBO)

Invited speakers:

15.10-15.30 “Towards more sustainable productions: emissions and mitigation opportunities in dairy cows and beef cattle”. *Verso una produzione più sostenibile: emissioni e opportunità di mitigazione nelle vacche da latte e nei bovini da carne.* - **Martina Zappaterra, Barbara Padalino, Leonardo Nanni Costa** (Dipartimento di Scienze e Tecnologie Agro-Alimentari, DISTAL, UNIBO)

15.30-16.00 “Microclimate and thermal comfort indexes in crop-livestock-forest integrated systems”. *Indici di microclima e comfort termico nei sistemi integrati coltura-allevamento-foresta.* - **José Ricardo Macedo Pezzopane** (Embrapa - Agenzia Brasiliana di Ricerca Agricola)

16.00-16.30 “At a glance: what electronic sensors tell us about beef cattle in integrated systems”. *Con uno sguardo: cosa ci dicono i sensori elettronici sui bovini da carne nei sistemi integrati.* - **Alexandre Rossetto Garcia** (Embrapa - Agenzia Brasiliana di Ricerca Agricola)

16.30-17.00 “The use of thermography in precision livestock farming”. *Impiego della termografia nella zootecnia di precisione.* - **Veronica Redaelli, Fabio Luzi** (Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche, UNIMI)

17.00-17.30 Closing remarks and discussion



The meeting has received the financial support of: Project Sprint ("The Connected Cow: a Brazilian-Italian effort to enhance the animal welfare based on precision livestock farming technologies" Fund N. 2019/23449-0), and Project SKYCELL ("From the Sky to the Cells - A multidimensional study of thermal comfort of animals raised on crop-livestock-forest integrated systems" Fund N. 2019/04528-6).