

Programme name in PN IV:	European and International Cooperation Programme
Subprogramme name:	Horizon Europe Subprogramme
Project type:	Horizon Europe Awards – Institutions
Project title:	TransformDairyNet: Working together to upscale Cow-Calf-Contact dairy production and beyond
Total contract value:	78.718,00 lei
Contract duration:	18 months (14.07.2025-31.12.2026)
Contracting authority:	Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI)
Contractor:	Research and Development Institute for Bovine Balotesti (ICDCB)
Acronym:	TransformDairyNet
Project code:	PN-IV-P8-8.1-PRE-HE-ORG-2025-0265
Contract number:	110PHE/2025

AIM OF THE 110PHE/2025 PROJECT is represented by the strengthening of ICDCB Balotesti's institutional capacity for the internationalization of research activities in the field of bovine welfare.

ACTIVITIES and OBJECTIVES of the TransformDairyNet PROJECT are:

- i) use of precision livestock farming (PLF) tools in monitoring cattle health (e.g., infrared thermography, accelerometry data);*
- ii) advancing bioacoustics research in cattle by analyzing key vocal parameters across different physiological categories to assess welfare levels;*
- iii) application of artificial intelligence (machine learning) processes in the study of cattle and buffalo behaviour;*
- iv) analysis of stress biomarkers in cattle and their correlation with rearing and production systems (e.g., cow-calf contact studies);*
- v) professional development of the institute's human resources through participation in international conferences and research internships, with active involvement of young researchers;*
- vi) organization of a scientific event with international participation to support scientific networking and the development of future collaborations for European project proposals;*
- vii) publication of scientific articles in ISI Web of Science-indexed journals and increased international visibility of research outcomes (open access).*

Project team:

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