

# 2025 Global Animal Health & Climate Projects

For more information on any of these projects, please contact [Derek Tepe at dtepe@edf.org](mailto:dtepe@edf.org)

| Organization                                                                                                                                                                                        | Description of the Work                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Location                               | Begin + End Dates                   |
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| <p>El Instituto Nacional de Investigación Agropecuaria Uruguay (INIA)</p> <p><i>Partners: Centro Emmanuel, Universidad de la Republica</i></p>                                                      | <p>This is a co-innovation approach project working with six case studies of dairy farms in the West of Uruguay that are undergoing a transition from conventional pasture-based to agroecological production. It involves a baseline study covering 31 indicators of social, environmental and economic dimensions of sustainability, followed by a participative diagnosis and a re-design process. Health and welfare were key processes analyzed (5 specific indicators).</p> | <p>Latin America and the Caribbean</p> | <p>Jan. 1, 2023-Dec. 31, 2025</p>   |
| <p>University of Kassel, Animal Husbandry in Tropics and Subtropics</p>                                                                                                                             | <p>Integration of trees in cattle farming in Benin as a strategy to adapt to and mitigate climate change.</p>                                                                                                                                                                                                                                                                                                                                                                     | <p>Africa</p>                          | <p>Feb 1, 2024-July 31, 2025</p>    |
| <p>Western United Dairies</p> <p><i>Partners: CDRF/DWR/CDFA</i></p>                                                                                                                                 | <p>Groundwater overdraft elimination using cover crops and livestock-enhanced feeding solutions</p>                                                                                                                                                                                                                                                                                                                                                                               | <p>North America/Global</p>            | <p>April 1, 2025- Dec. 31, 2025</p> |
| <p>Environmental Management &amp; Policy Research Institute (EMPRI), Bengaluru, India</p> <p><i>Partners: Sequoia Climate Foundation USA, The Vasudha Foundation and TERI, New Delhi, India</i></p> | <p>Incentivization of Short-Lived Climate Pollutants (SLCP) for the state of Karnataka, India. Additionally, the project involves a socio-economic analysis of SLCPs, mitigation strategies and advocacy programs for climate action.</p>                                                                                                                                                                                                                                         | <p>Asia</p>                            | <p>Nov. 1, 2022-June 30, 2025</p>   |

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| University of Zambia                                                                                                    | Understanding indigenous goat distribution with reference to their phenotypic attributes and genotypic diversity in the Zambia landscape.                                                                                                                                                            | Africa               | May 1, 2025-Dec. 31, 2026   |
| Mekelle University<br><br><i>Partners: European Union and Norwegian University of Life Sciences</i>                     | Sustainable dairy production                                                                                                                                                                                                                                                                         | Africa               | Oct 1, 2024-Dec. 31, 2024   |
| Alliance for Sustainable Livestock<br><br><i>Partners: WTS is funding the work</i>                                      | The project is a survey evaluating farmers' behavioral drivers towards animal welfare in cattle production systems across farmer communities in Nigeria. This survey will use the theory of planned behavior to assess farmers' behavior towards adopting animal welfare practices                   | Africa               | May 1, 2025-Feb 1, 2026     |
| Cornell University<br><br><i>Partners: BAIF, MLDB</i>                                                                   | Sustainable intensification of dairy in India                                                                                                                                                                                                                                                        | Asia                 | March 1, 2025-Feb. 28, 2026 |
| University of Tennessee<br><br><i>Partners: ILRI</i>                                                                    | Aiming to create both a better diagnostic test and a potential vaccine for East Coast fever in cattle. We are using a novel antigen selection process that was developed by our research group at the University of Tennessee. We also hope to use this for other diseases in livestock and wildlife | Africa/North America | June 1, 2025-Dec. 31, 2026  |
| School of Agriculture - Buenos Aires University (FAUBA); CREA (Agriculture Farmers association)<br><br><i>Partners:</i> | Research initiatives in feed additives, grassland management and soil carbon sequestration in Argentina. Developing the National Methane Road Map, aiming to improve the national cattle efficiency to reduce the methane intensity.                                                                 | Argentina            | June 15, 2025-April 4, 2027 |

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| INTA (National Research and Extension Institution)<br>CONICET (National Scientist Institution)<br>IPCVA (National beef cattle promotion association) |                                                                                                                                                                                                                                                                                                                                                                                       |                            |                               |
| University of Tasmania                                                                                                                               | Developing skills, practices and technologies for sustainably reducing greenhouse gas emissions (soil carbon, methane, nitrous oxide), adapting to climate change (particularly extreme events) and improving environmental stewardship.                                                                                                                                              | Global/Oceania             | Sept. 11, 2019-April 17, 2025 |
| University of Alberta<br><br><i>Partners: University of Idaho, University of British Columbia</i>                                                    | Improving health and decreasing stress in early life in dairy calves.                                                                                                                                                                                                                                                                                                                 | North America              | July 1, 2023-June 30, 2027    |
| EXCELVET-Consultants                                                                                                                                 | Building awareness, promotion and distribution of veterinary medicines in Sub-Saharan countries                                                                                                                                                                                                                                                                                       | Africa                     | March 24, 2022-Oct. 16, 2027  |
| Centre for Ecology and Hydrology UK<br><br>Partners: Anthra, NIVEDI , VGKk and ATree                                                                 | Mapping risks and vulnerabilities faced by different communities living in forest landscapes in South India. Seeking to showcase interdisciplinary One Health research approaches to understand and mitigate diseases like leptospirosis and Kyasanur forest disease. Strengthening the response to zoonotic disease using validated predictive modelling and decision support tools. | Asia                       | Aug. 1, 2020-March 31, 2025   |
| The University of Queensland                                                                                                                         | Development of diagnostics and therapeutics for livestock diseases and zoonoses.                                                                                                                                                                                                                                                                                                      | Africa/Asia/Oceania/Global | July 1, 2023-June 30, 2028    |
| Equida (Independent research in                                                                                                                      | Developing a fecal softening protocol for clinical purposes in horses. Using fecal state                                                                                                                                                                                                                                                                                              | Europe/Israel              | Sept. 1, 2025-Feb. 28, 2026   |

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| collaboration with multiple academic centers)<br><br><i>Partner: Unequi</i>                                                                                                                                                                                                  | as a diagnostic tool. Developing a framework for animal care professionals to adapt practice to cultural and climate change.                                                                     |                      |                           |
| Queen's University Belfast<br><br><i>Partners:</i><br>APHA<br>Roslin Institute<br>SRUC<br>Royal Veterinary College<br>AgriFood and Biosciences Institute<br>Tegasc<br>UCD University College Dublin<br>Liverpool University<br>University of Surrey<br>University of Georgia | Several projects address issues in cattle, sheep and poultry                                                                                                                                     | Europe/North America | Jan 1, 2024-Dec. 31, 2028 |
| Washington State University<br><br><i>Partners: Centre for Disease Control</i>                                                                                                                                                                                               | Tracing cases of Avian Influenza from domestic and wild birds. Monthly sampling is carried out in domestic birds from the mapped markets, while a wild bird survey is carried out quarterly.     | Africa               | May 1, 2025-Dec. 31, 2025 |
| Norwegian University of Life Sciences<br><br><i>Partners: Research Institute for Farm Animal Biology, Dummerstorf, Germany</i>                                                                                                                                               | The ViableCow project applies an interdisciplinary approach to delineate interactions between feed, microorganisms, immune response, enteric methane emissions and feed efficiency in ruminants. | Europe               | Jan.1, 2021-Dec.31, 2025  |

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| International Livestock Research Institute<br><br><i>Partners: Edinburgh Napier University</i>                                                                                                                                                                                                                                                           | Examining how we can use animal health evidence to inform Kenya's livestock and climate policies.                                                                                                                                                                                                                             | Africa                       | April 1, 2025-March 31, 2026 |
| Universidad Politecnica de Madrid, Spain<br><br><i>Partners: The Universidad de Lleida in Spain, The Landmark University in Nigeria, L'Institut de l'Environnement et de Recherches Agricoles (INERA) in Burkina Faso, The IER/Centre Regional de Recherche Agronomique of Sotuba in Mali, The University Abdou Moumouni in Niamey in Niger Republic</i> | Developing a better understanding of the correlation between climate change and the presence of aflatoxins in West Africa, focus on Burkina Faso, Mali and Niger Republic. Nigeria is included as a reference country. Seeking to facilitate access to quality feed and promote food security and food safety in West Africa. | Africa/Europe/ North America | April 1, 2025-Oct. 31, 2025  |
| Lincoln University                                                                                                                                                                                                                                                                                                                                       | Varied programs on managing anthelmintic resistance and reducing the need for anthelmintics through breaking the lifecycle outside the host                                                                                                                                                                                   | Oceania                      | Dec. 1, 2023-Dec. 31, 2027   |
| Mercy Corps<br><br><i>Partners: CIRAD</i>                                                                                                                                                                                                                                                                                                                | Seeking to achieve a more productive, climate-resilient, inclusive and competitive livestock sector that drives the economic well-being and food security of dryland communities. Enacting a study to support herders' access to animal                                                                                       | Africa                       | Aug. 1, 2025-Dec. 31, 2026   |

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|                                                                                                        | health services with a specific focus on camel health.                                                                                                                                                                                                                             |                         |                             |
| SEBI-Livestock (The University of Edinburgh)<br><br><i>Partners: LD4D Livestock Data for Decisions</i> | Supporting the Gates Foundation Livestock with data and evidence and convening the LD4D network, including the initiation of solutions groups to address specific challenges limiting the sector.                                                                                  | Africa/Asia             | Jan. 1, 2016-Dec.31, 2025   |
| TWAS-DBT<br><br><i>Partners: Tamil Nadu Veterinary and Animal Sciences University in India</i>         | Seeking to identify genomic regions under selection associated with climate resilience, productivity and disease resistance. Working to discover candidate genes and adaptive traits that contribute to thermotolerance in Salem goats and drought-resistance in Red Sokoto goats. | Asia/Africa             | June 27, 2024-Dec. 31, 2025 |
| Instituto Nacional de Tecnología Agropecuaria (INTA)                                                   | Investigating causes of bovine abortion and productivity reduction associated with health issues in beef and dairy herds of Central Argentina                                                                                                                                      | Latin America/Caribbean | Jan. 1, 2020-Dec. 28, 2029  |
| National Animal Health and Production Research Institute                                               | Improve the indigenous chicken breed for better livelihoods for smallholder farmers and climate resilience                                                                                                                                                                         | Asia                    | May 1, 2023-Dec. 30, 2030   |
| 701x                                                                                                   | Using animal wearable devices to predict behaviors associated with illness onset in beef cattle, efficient resource usage of beef cattle, management aids to ensure producer business sustainability, etc.                                                                         | North America           | Jan. 3, 2023-Dec. 29, 2028  |
| University of Gondar<br><br>Partners: Incl. research centers, NGOs,                                    | Investigating the current status, challenges and potential of integrating dairy farming and vermicomposting as a sustainable agricultural practice in Gondar City, Amhara Region, Ethiopia. The study aims to assess how                                                           | Africa                  | Feb. 15, 2023-Oct. 31, 2024 |

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| regional and national livestock agencies, etc.                                                                                                 | organic waste from dairy farms primarily cow dung can be efficiently converted into nutrient-rich compost using vermicomposting techniques, thereby improving waste management, reducing environmental pollution and enhancing soil fertility.                                                                                                      |                         |                              |
| <p>Instituto Nacional de Tecnología Agropecuaria (INTA)</p> <p><i>Partners: National University of the Centre of Buenos Aires province</i></p> | Estimating the carbon footprint of beef cattle systems.                                                                                                                                                                                                                                                                                             | Latin America/Caribbean | Jan 1, 2023-Dec. 31, 2027    |
| Institute of Animal Sciences for Southern Vietnam                                                                                              | The project was conducted to evaluate potential agricultural by-products, including cashew apple, dragon-fruit stem or passion-fruit peel as ruminant feed. The project aimed to develop circular livestock-crop farming in rural areas in Vietnam towards sustainable livestock production.                                                        | Asia/Vietnam            | Jan 1, 2017-Dec. 31, 2025    |
| <p>Agscent</p> <p><i>Partners: See website</i></p>                                                                                             | Fast, accurate and easy to use pregnancy and disease diagnostics through breath.                                                                                                                                                                                                                                                                    | Global                  | May 1, 2025-Dec. 1, 2025     |
| Scotland's Rural College                                                                                                                       | We are exploring the two-way interactions between climate change and animal health. Quantifying the direct impacts of parasitism on ruminant GHG emissions through controlled infections and methane measurements. Exploring the impacts of climate change on livestock parasites and ways to sustainably control infections in a changing climate. | Europe                  | April 1, 2022-March 31, 2027 |