

OVERVIEW DISSEMINATION ACTIVITIES RELATED TO CCCFARMING TOPICS

Partners	Meetings with group of farmers /stakeholders	On farm demonstrations	Workshops	Presentations internationally conferences, etc.	Cross-country visits	Other activities
NL	<p>May 2022 Housing and health farmers, companies Brabant, Galama</p> <p>fbe. 2021 Policy makers Provence Groningen</p> <p>June 2021 Group farmers Gelderland, Galama</p> <p>June 2021 Group farmers Friesland, Galama</p> <p>Nov. 2022 Group farmers West Netherlands, Galama</p> <p>March 2023 Group farmers and advisors Utrecht, Galama</p> <p>May 2022 Future cow barn and manure quality at Conference Den Bosch</p>	<p>Jan. 2023 Green gas from manure, Galama</p>	<p>Training in NPC tool application of members ERASMUS+ project Strategies</p> <p>3 workshops about resilience and climate in dairy, Galama, Kuipers, Zijlstra</p> <p>Nov. 2021, June 2022, Feb. 2023</p>	<p>July 2021 Future cow barn, Italy, Galama</p> <p>March 2022 Manure separation Japan, Galama</p> <p>April 2023, Latvia fair, Strategies, Galama</p> <p>EAAP 2021, Climate care cattle project, Groot Koerkamp</p> <p>EAAP 2021 Role of researcher in innovations, Galama</p> <p>EAAP 2021 Future of cattle housing, Galama</p> <p>July 2022, IFMA 2022 Environmental Challenges, Kuipers, Wind</p> <p>June 2022. ADSA, Kansas City, seminar, Groot Koerkamp</p> <p>EAAP 2022 Comparing GHG emissions three tools, De Vries, Galama</p> <p>EAAP 2022 Filtering ammonia and methane from air, Kuipers</p> <p>EAAP 2022 Challenges climate care NL, Galama</p> <p>EAAP 2022 Emissions and manure quality</p> <p>Nov. 2021, Italy, Environmental challenges, Kuipers</p>	<p>August 2022 Strategies for advisors Belgische Boerenbond, Galama</p> <p>Nov. 2022 Strategies for farmers and advisors Austria, Kuipers, Galama</p> <p>Nov. 2022 Strategies for advisors Denmark, Galama</p> <p>June 2022. Discussing NPC tools and mitigation options, Scotland, De Vries</p>	<p>March 2021 Webinar reduction emissions</p> <p>Nov 2021 webinar Rethinking methane (with Mitloehner)</p>

LV	CCC Farming seminar, during exhibition "Ramava 2023", 13.04.2023.	2022 on Project farm (8 visits) demonstration about silage evaluation and sampling. D.Ruska, I. Krakopa	2022, Working group for selection of priority areas of innovation projects. Organiser Latvian Rural Consultation and Education Center	EAAP 2022, Porto. D.Ruska, K. Naglis-Liepa etc. Climate-neutral policy in the dairy sector expectations and current situation an example of Latvia.	Poland, Poznan, Erasmus+ project farm visits	D.Ruska, Seminar "Ražas svetki 2020"
	2022 Meeting in Vecauce, during „100th anniversary of native dairy breed cows Latvian brown “			EAAP Regional conference 2023, Nitra		D.Ruska, V. Juškiene, A. Ciešlak CCCFarming Webinar Climate Care Cattle farming at 16th of April 2021
	CCC Farming project presentation and discussion with visitors of Exhibition Ramava, 2021, 2022.			D.Ruska. Presentation of the project during XIX Baltic animal breeding conference. Conference organiser Tartu university of Life sciences, on 14th of December 2022		D.Ruska, Conference 2020, European Green Course for the development of the bioeconomy
	CCC Farming seminar, during exhibition "Ramava 2023", 13.04.2023.	2022 on Project farm (8 visits) demonstration about silage evaluation and sampling. D.Ruska, I. Krakopa	2022, Working group for selection of priority areas of innovation projects. Organiser Latvian Rural Consultation and Education Center	EAAP 2022, Porto. D.Ruska, K. Naglis-Liepa etc. Climate-neutral policy in the dairy sector expectations and current situation an example of Latvia.	Poland, Poznan, Erasmus+ project farm visits	D.Ruska, Seminar "Ražas svetki 2020"
PL	7.10.2022 Bydgoszcz European Green Deal - practical feeding of cows and real protection of the natural environment	4.10.2023 Cow nutrition and methane emission - demonstration on a farm	15.12.2022, Agricultural Advisory Center in Brwinów. Branch in Radom Trainings within the framework Practical aspects of implementing scientific achievements in plant production” / “Practical aspects of implementing scientific achievements in animal production”	First International Scientific Conference for Students "Animal Science and Aquaculture - challenges and research", Section of Animal Nutrition „Using long cut length chaff technology in cattle feeding and its effect on a milk yield” SGGW Warszawa 11.05.2022,		
	27.04.2023 John Deere Polska Training for farmers in the field of modern technologies used in feeding dairy cows, which can reduce GHG emissions			13 th International Conference Mycotoxins and Moulds Current Trends, „Long cut length chaff technology in cattle nutrition and its effect on milk yield”, 29.06-01.07.2022,		

	24.03.2023 Bydgoszcz European Green Deal - practical feeding of cows and real protection of the natural environment			17th International Conference ANIMAL PHYSIOLOGY, 1st - 3rd June 2022 Congress Hotel Centrum KOŠICE, Slovakia, presentation: Animal nutrition and environmental pollution - is there any room to strengthen scientific cooperation? EAAP 2022, September, Porto, Portugal April 2023, Nitra, Slovakia 1st Central-Eastern European EAAP Regional Meeting		
DE	March 2021 Group farmers April 2021 meeting with stakeholder July 2021 Group farmers November 2021 group farmer September 2022 group farmer March 2021 Group farmers		June 2022 "Ökofeldtage" at one of our participating farms September 2022 "DGfZ Tagung" at Kiel University	September 2021 at EAAP in Davos September 2022 at EAAP in Porto		
FR		July 2022, farm visit during CCCfarming project meeting May 2022 farm visit INRAE Clermont open day March 2022 students visit from Le Mans Sept 2022 students INSA Centre Val de Loire	May 2023 RMT MAELE presentation of the project and first results, Edouard	EAAP 2022 Nutrient circularity, Edouard EAAP 2022 N excretion and NH3 emissions in dairy cows fed low-N fresh grass and maize silage, Ferreira EAAP 2023 Gaseous emissions (building, storage, pasture) of dairy systems combining or not grazing and housing, Edouard October 2022 World Meteorological Organisation (WMO), Global Atmospheric Watch. Surface/atmosphere exchange of NH3 above managed grassland. Flechard.		March 2021 Webinar reduction emissions, Edouard

SC	<p>Feb 2021 - UK webinar on soil health and carbon Hargreaves</p> <p>Oct 2021 - Glasgow University students on Forage and soils Hargreaves</p> <p>Oct 2021 - Glasgow University veterinary students on GHG in Dairy, Hargreaves</p> <p>Nov 2021 - Edinburgh University MSc students, grassland, forage and GHG, Hargreaves</p> <p>Oct 2022 - Farm consultants meeting on soil, forage and GHG mitigation, Hargreaves</p>	<p>Aug 2021 - Reseeding and soil Hargreaves</p> <p>Sep 2021 - Glasgow University students on soil and forage Hargreaves</p> <p>Sep 2021 - SRUC undergraduate students on forage and GHG Hargreaves</p> <p>Feb 2022 - Soils and GHG Hargreaves</p> <p>Apr 2023 - Farmers meeting on soils, slurry and soil carbon, Hargreaves</p>	<p>Jun 2021 - Scotland webinar on soil and carbon Hargreaves</p> <p>Jan 2022 - Webinar on soils and forage GHG mitigation Hargreaves</p> <p>Sep 2022 - Dairy Farming and carbon sequestration Hargreaves</p>	<p>Sep 2022 - EAAP Conference porto - Dairy and carbon mitigation, Hargreaves and Rees</p>		<p>Nov 2021 - SRUC COP26 live streaming event on soil and GHG, Hargreaves</p> <p>Nov 2022, visit from government funding agency (DEFRA) to learn about CCC Farming, Rees and Hargreaves</p>
IT	<p>Presentation of the activities and goals of the project during a course for farmers held by Lorenzo Leso on 9th May 2022</p>		<p>Final workshop CCCfarming project - Florence, May 2023</p> <p>Dairy cows housing systems (Instalações para bovinos leiteiros). Workshop Online held by Matteo Barbari at Federal University of Acre (Brazil). May 2021. The CCCFarming project was presented to Brazilian students and researchers.</p>	<p>Becciolini, V., Conti, L., Rossi, G., Merlini, M., Coletti, G., Rossi, U., & Barbari, M. (2022). A UAV-based system for greenhouse gases and particulate measurement in livestock farms. 10th European Conference on Precision Livestock Farming, ECPLF 2022: August - September 2022, (ORAL PRESENTATION by V. Becciolini)</p> <p>Becciolini, V., Conti, L., Rossi, G., Merlini, M., Bedin Marin, D., Coletti, G., Rossi, U., & Barbari, M. (2022). Developing an in-flight network for gas and particulate emissions assessment in cattle dairy farms. 73rd Annual Meeting of EAAP, Porto, Portugal: September 2022, (ORAL PRESENTATION by V. Becciolini)</p>		<p>Compost barn: an alternative housing system for dairy cows. Course for Brazilian students organized by Federal University of Viçosa (Brazil), held by Matteo Barbari, Lorenzo Leso, Rafaella Resende Andrade. 5 – 12 – 19 of October 2022 (9 hours of lessons)</p> <p>Marin, D. B., Becciolini, V., Santana, L. S., Rossi, G., Barbari, M. State of the art and future perspectives of atmospheric chemical sensing using Unmanned Aerial Vehicles: a bibliometric analysis. Paper</p>

				<p>Becciolini, V., Merlini, M., Coletti, G., Conti, L., Bedin Marin, D., Mattia, A., Rossi, G., Rossi, U., & Barbari, M. (2022) Mapping atmospheric concentrations of gas and particulate matter in livestock farms using drone-based measurements. The XX CIGR World Congress 2022 - Sustainable Agricultural Production, Kyoto, Japan: December 2022. (POSTER presented by M. Barbari)</p> <p>4) Becciolini, V., Conti, L., Rossi, G., Bedin Marin, D., Merlini, M., Coletti, G., Rossi, U., & Barbari, M. (2022) Real-time Measurements of Gaseous and Particulate Emissions from Livestock Buildings and Manure Stores with Novel UAV-based System. In: "AIIA 2022: Biosystems Engineering Towards the Green Deal", Lecture Notes in Civil Engineering, (ORAL PRESENTATION by V. Becciolini)</p> <p>5) V.Becciolini, A. Mattia, M. Merlini, G. Rossi, F. Squillace, G. Coletti, U. Rossi and M. Barbari (2023). UAV-based approaches for gaseous emissions assessment in cattle farming. 74th Annual Meeting of the European Federation of Animal Science, Lyon, France: August - September 2023. (ORAL PRESENTATION by V. Becciolini)</p>		<p>submitted to Environmental Technology & Innovation in March 2023.</p> <p>Becciolini, V., Verdi, L., Fuertes, E., Leso, L., Rossi, G., Orlandini, S., Barbari, M. Ammonia emissions from cow slurry, urine and faeces under different temperature regimes. (Paper will be submitted by May 2023)</p>
LT	Farmers group meeting of EIP project "Use of microelement balanced slurry for fertilization and application of nitrogen-saving technologies in livestock farms" LUHS	Field day for farmers "Use of microelement balanced slurry for fertilization and application of nitrogen-saving technologies in livestock farms" LUHS Animal Science	Workshop "Implementation of nitrogen-saving technologies released from slurry in cattle and pig farms. LUHS Animal Science Institute, Baisogala June 2021	International conference dedicated to the 85th anniversary of the VA "The role of Animal Science in strengthening competences and solving the challenges of the Green Deal in livestock production" Kaunas, September 2021 (Presentation by V. Juškienė)		Training course for farmers and agricultural professionals, LUHS Animal Science Institute, Baisogala, October 2022

	<p>Animal Science Institute, Baisogala, May 2022</p> <p>Farmers group meeting, of EIP project "Increasing the activity and competitiveness of cattle farms by applying innovative reproduction monitoring", Agrovizija, Dotnuva, June 2022</p> <p>Farmers group meeting, of EIP project, "Increasing the activity and competitiveness of cattle farms by applying innovative reproduction monitoring" Kvedarna, Šilalės distr. June 2022</p> <p>Farmers group meeting for experience sharing and discuss the results of demonstration projects. LUHS Animal Science Institute, Baisogala October 2022</p>	<p>Institute, Baisogala May 2022</p> <p>Field days for farmers and consultants at Training Center "Agroakademija" Academy, Kėdainiai distr. May 2022</p>	<p>Workshop "Increasing the activity and competitiveness of cattle farms by applying innovative reproduction monitoring LUHS Animal Science Institute, Baisogala, October 2021</p> <p>Workshop "Use of microelement balanced slurry for fertilization and application of nitrogen-saving technologies in livestock farms" LUHS Animal Science Institute, Baisogala, October 2022</p>	<p>Seminar „Vocational training and acquisition of skills of partners of the Erasmus+ project PROANIM- PROBIOTICS IN ANIMAL HUSBANDRY“, LUHS Animal Science Institute, Baisogala, September 2022 (Presentations by V. Juškienė and G. Kadžienė)</p> <p>73rd Annual Meeting of EAAP “Assessment of cattle manure acidification effects on ammonia and GHG emissions and crop yield” Porto, Portugal, September 2022 (Presentation by V. Juškienė)</p> <p>71st Annual Meeting of EAAP “Effect of different factors on ammonia emission from manure” Virtual Meeting, December 2020 (Presentation by V. Juškienė)</p> <p>Planned</p> <p>74th Annual Meeting of EAAP “Impact of sorbent application on NH₃ and CO₂ and CH₄ gas emissions from dairy cattle manure” Lyon, France, August - September 2023 (Presentation by V. Juškienė)</p>		
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