

Programme

Wednesday October 15 th				
08:00-09:00	Registration			
09:00-09:25	Opening of the conference (Hugo tech room)			
09:25-09:55	Keynote 1: Marten van der Berg "Policy developments in the Netherlands; water quality and ammonia emissions." (Hugo tech room)			
10:05-11:20	Parallel session 1			
	GHG emissions: methane 1	GHG emissions: field application 1	Integral analysis: manure management	Agronomic value: Digestate
11:20-12:15	Poster session and Coffee/Tea			
12:15-13:45	Lunch			
13:45-15:00	Parallel session 2			
	GHG emissions: storage and housing 1	GHG emissions: field application 2	Agronomic value: organic waste recycling	Integral analysis: systems approach
15:00-16:00	Poster session and Coffee/Tea			
16:00-17:15	Parallel session 3			
	GHG emissions: storage and housing 2	Soil quality: contaminants	Air quality: housing, storage and treatment 1	Agronomic value
19:00-21:00	Dinner in Wageningen centre			

Thursday October 16 th				
09:00-09:30	Keynote 2: Jochen Mayer (Agroscope): "Potentials to optimize nitrogen use efficiency in European livestock systems" (Hugo tech room)			
09:30-10:00	Keynote 3: Kimo van Dijk (WUR): "Safe sustainable circular fertilisers recycled from sanitation flows, wastewater and process water" (Hugo tech room)			
10:00-10:30	Poster session and Coffee/Tea			
10:30-12:00	Parallel session 4			
	Air quality: housing, storage and treatment 2	Agronomic value: RENURE and composting	Soil quality 1	Policy and regulation
12:00-13:15	Lunch			
13:30-17:30	Excursions			
19:00-22:00	Conference dinner in WICC			

Friday October 17 th				
09:00-09:30	Keynote 4: Paulo Braz (Eurostat): "The new EU nutrients statistics and other agri-environmental indicators" (Hugo tech room)			
09:30-10:00	Keynote 5: Quirine Ketterings (Cornell University): "Manure management in New York" (Hugo tech room)			
10:10-10:55	Parallel session 5			
	GHG emissions: methane 2	Air quality: field application 1	GHG emissions: field application 3	Air quality: Housing, storage and treatment 3
10:55-11:30	Coffee/Tea			
11:30-12:15	Parallel session 6			
	Air quality: field application 2	Integral analysis	Soil quality 2	Water quality
12:30-13:00	Keynote 6: Jos Verstraten (Dutch agricultural organization): "Circular agriculture from the view of a Dutch dairy farmer" (Hugo tech room)			
13:00-13:15	Closing of the conference (Hugo tech room)			
13:15-14:00	Lunch			

Parallel sessions

Parallel session 1 – Wednesday 10:00 – 11:15				
	Hugo tech room	Expert street 2&3	Expert street 6&7	Expert street 8&9
	GHG emissions: methane 1	GHG emissions: field application 1	Integral analysis: manure management	Agronomic value: Digestate
Session chair	Thomas Kupper	Mart Ros	Hans-Werner Olf	Else Bünemann-König
10:05-10:20	1. N. Auvinet	6. K. Silva Lourenço	11. I. Regelink	17. C. van Midden
10:20-10:35	2. C. Herrmann	7. S. M. Iglesias Díez	12. Q. Fang	18. M. Hansen
10:35-10:50	3. A. Rawat (D. Janke)	8. C. Ammann	13. W. Sun	19. E. Tampio
10:50-11:05	4. Z. Bai	9. M. Allegrezza	14. F. Beline	20. J. Julie
11:05-11:20	5. L. Bonne Guldberg	10. A. Tremiér	15. H.J. van Dooren	21. S. Walk
11:20-11:35			16. A. Ural-Janssen	

Nr.	Author	Title
1.	N. Auvinet	Methane emissions assessment during storage with or without digestate treatment measured on storage experimental pilots
2.	C. Herrmann	Reduction of methane emissions and changes in microbial composition through calcium cyanamide addition during storage of liquid cow manure – impact of additive dosage and storage temperature
3.	A. Rawat (D. Janke)	Real-time bioprocess monitoring of methane emissions from liquid manure storage systems in course of the year as a basis for simulation and modelling
4.	Z. Bai	Investing in mini-livestock production for food security and carbon neutrality in China
5.	L. Bonne Guldberg	Effect of pig slurry discharge frequency and combination with storage mitigation techniques on methane emission from house and storage
6.	K. Silva Lourenço	Nitrous Oxide Emissions in Coffee and Cocoa Systems: Establishing Baselines for Sustainability
7.	S. M. Iglesias Díez	Effect of integrating green manure, animal manure and mineral nitrogen fertilizer on N ₂ O emissions in an irrigated maize crop
8.	C. Ammann	Nitrogen processing in pasture urine patches and effect on N ₂ O emissions
9.	M. Allegrezza	Monitoring GHGs fluxes following slurry distribution in three alternative forage system managements
10.	A. Tremiér	Impact of aeration management on the nitrogenous emissions linked to wastewater sludge composting
11.	I. Regelink	Manure processing in regions with intensive livestock farming: pros and cons
12.	Q. Fang	Region-specific management measures for crop and livestock production systems may achieve environmental targets cost effectively
13.	W. Sun	Optimization of manure management options in view of crop nutrient demands, environmental benefits and costs
14.	F. Beline	Are livestock manure and organic waste the key to nitrogen self-sufficiency in organic farming? From farm to territory case studies
15.	H.J. van Dooren	Impact of manure separation techniques in dairy houses on environment, fertilization and economics
16.	A. Ural-Janssen	Bio-based strategies in agriculture: perspectives for environmental pollution reductions
17.	C. van Midden	Nitrogen use efficiency of digestate applied with high organic carbon materials on the growth and yield of spring barley
18.	M. Hansen	Optimisation of the fertilisation effect of digestates
19.	E. Tampio	The use of biochar as co-feedstock in anaerobic digestion: Effects on digestate separation performance
20.	J. Julie	Ferti-Dig: a French approach to optimize the agronomic benefits of on-farm digestates through typology establishment and assessment of the effects on agroecosystems
21.	S. Walk	Towards an improved policy framework for biowaste management: The LIFE BIOBEST project

Parallel session 2 - Wednesday 13:45-15:00

	Hugo tech room	Expert street 2&3	Expert street 6&7	Expert street 8&9
	GHG emissions: storage and housing 1	GHG emissions: field application 2	Agronomic value: organic waste recycling	Integral analysis: systems approach
Session chair	Christof Ammann	Sebastian Wulf	Inge Regelink	Luis Lassaletta
13:45-14:00	1. D. Janke	6. M. Luz Cayuela	11. I. Bisschops	16. A. Robles Aguilar (L. Llenas Argelaguet)
14:00-14:15	2. C. de Klein	7. H. Ovelhey	12. I. Guidini Lopes	17. D. Xu
14:15-14:30	3. M. Bühler	8. N. Koga	13. F. Levasseur (R. Sehenó)	18. J. EL Mahdi
14:30-14:45	4. R. Maasdam	9. L. Baert	14. E. Garcia-Muchart	19. G. Lyons
14:45-15:00	5. K. Carranza	10. M. Gabbrielli	15. D. Bona	20. J. Sharp

Nr.	Author	Title
1	D. Janke	Manure removal frequency in dairy housing – impacts on ammonia and methane emissions
2	C. de Klein	Understanding methane emissions from dairy farm manure management
3	M. Bühler	Greenhouse gas and ammonia emissions from two floor types of naturally ventilated dairy barns in Denmark
4	R. Maasdam	Effect of pH and crust formation on N ₂ O and NO emission from liquid cow manure (slurry) during storage.
5	K. Carranza	Modelling Greenhouse Gas and Ammonia Emissions at building and manure storage level in three housing systems for laying hens
6	M. Luz Cayuela	Biochar for carbon dioxide removal: how biochar properties modulate soil C persistence and potential synergies with N ₂ O emissions reduction
7	H. Ovelhey	Reducing nitrogen losses in broccoli cultivation through valorization of crop by-products
8	N. Koga	A greenhouse gas balance under a forage cropping system in southwestern Japan
9	L. Baert	The influence of long-term compost application on soil nitrous oxide emissions: A one-year budget
10	M. Gabbrielli	A coupled system that combines a cropping system model and a software tool to optimise manure redistribution at local and regional level
11	I. Bisschops	Local urban biowaste recycling as fertilisers: a safe-by-design approach
12	I. Guidini Lopes	Recirculating nutrients through black soldier fly larvae bioconversion of organic waste streams for improved plant performance
13	F. Levasseur (R. Sehen)	Multicriteria assessment of organic waste application across diverse real-world cropping systems: a modeling study
14	E. Garcia-Muchart	From agro-food waste to exopolysaccharide-based biostimulants: a circular bioeconomy strategy to enhance soil health and plant resilience under saline stress
15	D. Bona	New amendment: agro-environmental properties of hydrochar and post-treated hydrochar.
16	A. Robles Aguilar (L. Llenas Argelaguet)	Nutrient balance and Resource Optimisation in Regional Ecosystems through holistic, sustainable and zero-pollution solution - GREENHOOD
17	D. Xu	Current use of nitrogen, phosphorus and potassium fertilizers and their potential replacement by manure, sludge and biowaste in EU agriculture
18	J. EL Mahdi	Integrated dairy manure management systems to simultaneously reduce environmental impact and improve fertilizing value
19	G. Lyons	Sustainable solutions for excess agricultural phosphorus management in Northern Ireland using pyrolysis of anaerobic digestate solids for biochar production.
20	J. Sharp	Development of a simple vegetable residue nitrogen dynamics model

Parallel session 3 – Wednesday 16:00-17:15

	Hugo tech room	Expert street 2&3	Expert street 6&7	Expert street 8&9
	GHG emissions: storage and housing 2	Soil quality: contaminants	Air quality: housing, storage and treatment 1	Agronomic value
Session chair	Colin Dekker	Fien Amery	Sasha Hafner	Karoline D'Haene
16:00-16:15	1. D. Reiter	6. I. Royer	11. C. Schep	16. C. Thorn
16:15-16:30	2. J. Aviño-Calero	7. L. Stokkermans	12. N. Edouard	17. H.W. Ols
16:30-16:45	3. R. Wang	8. E. Jongedijk	13. A. Valach	18. E. Bünemann
16:45-17:00	4. H. Sahu	9. P. Piveteau	14. J. McIlroy (A. Dabiri)	19. L. Agostini
17:00-17:15	5. A. Feilberg	10. V. Pegoraro	15. L. Chen	20. M. Diener

Nr.	Author	Title
1	D. Reiter	Utilization of Calcium Cyanamide in Cattle Slurry Storage: Greenhouse Gas Mitigation and Nutrient Conservation
2	J. Aviño-Calero	Optimization of Pig Slurry Composting with Olive Mill and Vegetable Waste Using Recycled Tennis Balls to Reduce Aeration Needs and Anaerobic Gas Emissions on an Industrial Scale
3	R. Wang	Inoculum amount and material freshness drive organic degradation and methane emissions in pig slurry: insights from untargeted metabolomics
4	H. Sahu	Evaluating Emission Dynamics: Intensive Spatial and Temporal Analysis of NH ₃ and CH ₄ Emission Estimations by Indirect CO ₂ Balance Method in a Dairy Barn
5	A. Feilberg	Measuring emissions of greenhouse gases and ammonia from farm-scale manure stockpiles
6	I. Royer	Impact of trace metal excess in cow diets on the agro-ecosystem: soils, leachates and plants
7	L. Stokkermans	Assessment of contaminants in bokashi sampled from 76 pilots
8	E. Jongedijk	Impact of pharmaceutical residues in soils
9	P. Piveteau	Soil-dependent fate of naturally occurring <i>Klebsiella pneumoniae</i> and <i>Listeria monocytogenes</i> after incorporation of digestates: microcosms investigations and field experiments
10	V. Pegoraro	Salinization or sodification risk from the agronomic use of pig slurry in Córdoba, Argentina
11	C. Schep	Determination of gaseous emissions from naturally ventilated housings in the absence of animals
12	N. Edouard	Ammonia emissions from dairy barns when cows share their time between barn and pasture
13	A. Valach	Farm-scale ammonia fluxes from cattle housing and slurry storage in Switzerland
14	J. McIlroy (A. Dabiri)	Effectiveness of acidification in reducing ammonia emissions from dairy slurry and digestate during storage
15	L. Chen	Electrochemical Ammonia Stripping to Recover Ammonia Nitrogen from Liquid Dairy Manure
16	C. Thorn	Assessment of the nutrient value of slurry post-storage with a methane mitigating additive, and implementation of the additive at full scale
17	H.W. Olf	On-farm evaluation of near-infrared spectroscopy sensor accuracy for organic liquid manure analysis using a mobile measuring station
18	E. Bünemann	Optimization strategies for organic fertilizer use in a seven-year field trial: Part I - Nitrogen use efficiency and soil quality
19	L. Agostini	Optimization strategies for organic fertilizer use in a seven-year field trial: Part II – Greenhouse gas emissions
20	M. Diener	Optimization strategies for organic fertilizer use in a seven-year field trial: Part III – Nitrate leaching in a parallel lysimeter study

Parallel session 4 – Thursday 10:30-12:00

	Hugo tech room	Expert street 2&3	Expert street 6&7	Expert street 8&9
	Air quality: housing, storage and treatment 2	Agronomic value: RENURE and composting	Soil quality 1	Policy and regulation
Session chair	Johanna Pedersen	Astrid Oberson	Frank Liebisch	Melissa Wilson
10:30-10:45	1. JQ. Ni	7. B. Everaert	13. S. Eich-Greatorex	19. L. van Schöll
10:45-11:00	2. R. Girault	8. W. van Dijk	14. A. Sikander	20. E. Van Eynde
11:00-11:15	3. T. Kupper	9. M. Martínez-Gallardo	15. M. Trenkner	21. K. Kaltenegger
11:15-11:30	4. G. Moscatelli	10. I. Wollmann	16. P. Solé	22. Å. Watne
11:30-11:45	5. S. Godbout	11. M. Estrella-González	17. M. Fontana	23. H. Luo
11:45-12:00	6. C. Esteves	12. J. Cabell	18. Y. Chourak	24. P. Kai

Nr.	Author	Title
1	J-Q. Ni	Particulate matter concentrations and emissions at a swine farrowing building during winter
2	R. Girault	Machine learning: A New Approach for Predicting Ammonia Emissions from Digestate Storage
3	T. Kupper	A nitrification plant to reduce ammonia emissions and improve nitrogen use efficiency from segregated pig urine
4	G. Moscatelli	Ammonia emissions from pig livestock converted in ammonium sulfate fertilizer for sugar beet crop
5	S. Godbout	Air quality in conventional and alternative Canadian barns: Perspectives under one health approach
6	C. Esteves	Slurry treatment during medium-scale storage: impacts on NH ₃ and GHG emissions and pathogen load
7	B. Everaert	Value of animal manure products and RENURE as alternative to synthetic fertilisers in hydroponic greenhouse crops and arable crops
8	W. van Dijk	Nitrogen utilization of potential RENURE products on grassland and maize
9	M. Martínez-Gallardo	Screening and characterization of microorganisms with enzymatic potential to enhance the compostability of the recalcitrant algae <i>Rugulopteryx okamurae</i>
10	I. Wollmann	From waste streams to P-rich organic fertilizers: Closing regional nutrient cycles for sustainable agriculture
11	M. Estrella-González	Composting as a source of microbial inoculants for plastic degradation
12	J. Cabell	Composting Marine Residues
13	S. Eich-Greatorex	Soil effects of organic fertilisers in cereal production
14	A. Sikander	Challenges and Innovations in Assessing Biodegradable Plastic Bag Degradation in Industrial Composting
15	M. Trenkner	Upcycling of biogenic waste materials to produce a sustainable bio-based peat substitute based on biogas digestate
16	P. Solé	Manure application increases soil carbon content and quality in a Mediterranean rainfed arable agricultural system.
17	M. Fontana	Recycling of ligneous residues to improve soil fertility
18	Y. Chourak	Soil-Applied Zeolites and High-Absorbance Clays for NH ₃ Emissions Reduction
19	L. van Schöll	Organic resources as future components for the CE-marked fertilising products in the EU
20	E. Van Eynde	Opportunities for reducing phosphorus inputs in EU agricultural land and implications for manure management
21	K. Kaltenecker	Ammonia emissions in EU-27 and compliance with EU policy targets – advancements, potentials and impacts on ecosystems
22	Å. Watne	SCAIL Sweden - A tool for assessing local impacts of emissions from large livestock facilities
23	H. Luo	Barriers and opportunities: regional deviation in regulating livestock manure processing and application
24	P. Kai	Cost and Environmental Efficiency of Technologies for Defining Future BAT Limits in Danish Growing-Finishing Pig Production

Parallel session 5 – Friday 10:10-10:55

	Hugo tech room	Expert street 2&3	Expert street 6&7	Expert street 8&9
	GHG emissions: methane 2	Air quality: field application 1	GHG emissions: field application 3	Air quality: Housing, storage and treatment 3
Session chair	David Fanguero	Andreas Pacholski	Maria Luz Cayuela	Laura van Schöll
10:10-10:25	1. S. Hafner	4. J. Huijsmans	7. B. Foereid	10. A. Declerck
10:25-10:40	2. H. Bjarne Moller	5. J. Pedersen	8. V. Scarlet Chavez Rico	11. S. Schrade
10:40-10:55	3. A. Peter Adamsen	6. O.A. Ernest	9. L. Boros	12. S. Aarons

Nr.	Author	Title
1	S. Hafner	How management affects methane emission from stored digestate: insights from coupling heat transfer and microbial models
2	H. Bjarne Moller	Feed, Additives, and BMP Values: A Comprehensive Study of Methane Potential Across Animal Categories
3	A. Peter Adamsen	Development of a gas collection and methane flaring system for covered slurry tanks
4	J. Huijsmans	Assessment of Ammonia Emission from grazing dairy
5	J. Pedersen	Effect of digestate and untreated slurry properties on ammonia emission from field application
6	O.A. Ernest	Urinary Nitrogen Concentration Influences Seasonal Dynamics of Ammonia Emissions, Herbage Yield, and Nitrogen Uptake in a Temperate Grassland
7	B. Foereid	Nitrogen mineralisation and greenhouse gas emissions after digestate application to rice paddy soil
8	V. Scarlet Chavez Rico	Effects of Organic Amendment Pre-Treatment on Soil Carbon and Nitrogen Dynamics
9	L. Boros	Does biogas production from energy cover crops really mitigate climate change and is it adapted to future climate conditions? Insights from real farming practices in French field crop regions
10	A. Declerck	Airflow Assessment in Naturally Ventilated Barns Using a Direct Measuring Method
11	S. Schrade	Cow Toilet for dairy cows: an evaluation of functionality and animal welfare
12	S. Aarons	Mitigating ammonia losses from scraped dairy manure using alternative acidifier

Parallel session 6 – Friday 11:30-12:15

	Hugo tech room	Expert street 2&3	Expert street 6&7	Expert street 8&9
	Air quality: field application 2	Integral analysis	Soil quality 2	Water quality
Session chair	Barbara Amon	Peter Sørensen	Carole Epper	Peter Schipper
11:30-11:45	1. P. Sefeedpari	4. I. Lloyd	7. C. Hendriks	10. C. Redmond
11:45-12:00	2. F. Dela Pierre	5. L. Lassaletta	8. F. Levavasseur	11. A. Castro-Castellon
12:00-12:15	3. E. Dinuccio	6. D. Fangueiro	9. J. Langley-Randall	12. T. Geidel

Nr.	Author	Title
1	P. Sefeedpari	Measurement of ammonia and methane emissions from pig farms with an outdoor run
2	F. Dela Pierre	Quantification of NH ₃ and NMVOC emissions after raw and acidified pig slurry field application.
3	E. Dinuccio	Mitigating ammonia and nitrous oxide emissions from cattle digestate band application using nitrification inhibitors in permanent grasslands
4	I. Lloyd	Evaluating the agronomic and environmental impacts of slurry and digestate separation: A rapid evidence assessment
5	L. Lassaletta	Reducing nitrogen waste through crop and livestock reconnection
6	D. Fangueiro	Environmental risk and potential phytotoxicity assessment of acidified slurry applied to soil
7	C. Hendriks	A modelling approach on the current nutrient and carbon budgets of agricultural soils in Europe
8	F. Levvasseur	Effects of 25 years of repeated application of urban composts on soil quality
9	J. Langley-Randall	Slurry acidification: Impact on soil health – A UK perspective from multi-site, multi-year field experiments
10	C. Redmond	Duckweed Cultivation on Dairy Soiled Water: A Sustainable Alternative Protein Crop.
11	A. Castro-Castellon	Revealing the potential nutrient, ecotoxin and pathogen risks to freshwaters from livestock excreta
12	T. Geidel	Accepting and rejecting: Preferences of citizens and farmers along the Rhine Basin to reduce nutrient runoff into the Wadden Sea

Poster presentations

Please note: posters of the theme 'agronomic value' and 'soil quality' will be placed in the dining hall (ground floor), and posters in all other themes will be in Expert street 11 (first floor).

Nr	Title	Author	Theme
1	Validation of bio-based fertilisers from fruit and vegetable waste in European and Colombian field trials	F. Amery	Agronomic value
2	Hollow Fibre Membrane Contactors mass transfer shell side in ammonia recovery from agricultural manure	N. Azizi	Agronomic value
3	Benefits of bio-based fertilisers despite yield penalties under future climate scenario	L. Bergenhuizen	Agronomic value
4	"Fulvic and Humic-like compounds" from biomass as biostimulant: understanding the biostimulant mechanisms to reach a new way to close the organic matter cycle.	D. Bona	Agronomic value
5	Biomethane yield from industrial pig slurry and vinasse anaerobic co-digestion: Mathematical study.	B. Cañadas	Agronomic value
6	Agronomic value of raw and processed organic fertilisers	K. D'Haene	Agronomic value
7	Fertilisation with chicken manure from hens fed with macroalgae – Fate of arsenic and iodine	S. Eich-Greatorex	Agronomic value
8	Exploring the consistency and sensitivity of NUE indicators in arable long-term experiments	C. Epper	Agronomic value
9	Energy and nutrient potential of plant protein harvest residues	S. Ervasti	Agronomic value
10	Insect frass use as ryegrass fertilizer in distinct soils	C. Esteves	Agronomic value
11	Effects of manure application on the performance of 'Gala' apple trees: a two-year study	D. Fangueiro	Agronomic value
12	Capacity of slurry pits on dairy farms in Galicia	M. I. García Pomar	Agronomic value
13	Unravelling the microbial composition and functionality of compost extracts used as an effective and sustainable alternative to chemical inputs.	M. M. Jurado	Agronomic value
14	Full-Scale Slurry Tank Sampling: Effects of Sampling Strategy and Sample Storage on Measured Physical and Chemical Properties	J. Nørlem Kamp	Agronomic value
15	Using bioslurry and Bioslurry Enriched Compost to boost yields and improve soils: perspectives for East Africa	H. Langeveld	Agronomic value
16	Anaerobic digestate: a promising organic fertiliser for smallholder farmers in West Africa	H. Langeveld	Agronomic value

17	Agronomic potential of compost extracts: Microbiological characterization and effects on plant growth	D. Lorente-Escáñez	Agronomic value
18	"Soil improver N mineralization predictor", a Farmmaps application to predict nitrogen mineralization from organic fertilizer based on the SNOMIN model	B. Maestrini	Agronomic value
19	Composting strategies with WWTP and DWTP sludge in a closed system: the case of EMASESA's Plant in Seville (Spain)	E. Molina	Agronomic value
20	Valorization of wine industry residues through sustainable processes: composting vs vermicomposting	E. Molina	Agronomic value
21	Scalable assessment of sustainable by-product bioconversion processes for fertiliser production.	R. Ramos Bueno	Agronomic value
22	Physical attributes of common pelletized bio-based fertilizers in EU	A-M. Seppänen	Agronomic value
23	Fertilizer quality in source-separated dairy cattle systems	H. Smit	Agronomic value
24	Nutrient-concentrated liquid fraction from pig slurry as an alternative fertilizer for rainfed wheat; impact on production and grain quality	P. Solé	Agronomic value
25	Evaluation of bioactive extracts from olive oil mill wastewater sludge in the agri-food sector: phytopromoting and phytoprotective effect	F. Suárez-Estrella	Agronomic value
26	Olive mill wastewater sludge composting enhanced through biochar and phenolic degrading microorganisms Inoculation	J. A. Sáez	Agronomic value
27	How to manage beef cattle manure in farm? A proposal for optimized composting in Mediterranean environment	J. A. Sáez	Agronomic value
28	Precipitation of carbonates in digestates with CaCl ₂ before separation can reduce the amount of sulphuric acid needed for acidification of the liquid fraction	P. Sørensen	Agronomic value
29	Evaluating the phosphorus release efficiency of duo-biochar to spring wheat	C. Van Midden	Agronomic value
30	Effectiveness of Mg-modified willow based biochar on phosphorus sorption, plant growth and leachate of perennial ryegrass	S. Vitsa	Agronomic value
31	Effect of liquid-separated dairy manure in a sugar beet rotation with maize and soybean	M. Wilson	Agronomic value
32	Accounting for legacy fertilizer values in soils long-term receiving animal manures for 4R nutrient management	T. Zhang	Agronomic value
33	Soil properties and crop growth as affected by co-application of biochar and paper mill biosolids	N. Ziadi	Agronomic value
34	Municipal waste management through decentralised composting: advantages and limitations of these emerging composting models	C. Álvarez Alonso	Agronomic value
35	Effects of recovered P fertilisers from sewage sludge and P solubilizing bacteria inoculation on a Lactuca sativa crop	C. Álvarez Alonso	Agronomic value
36	Pyrolysis and hydrothermal carbonization of digestate solids effects on product characteristics, soil nitrogen dynamics and carbon mineralisation	A. Pantelopoulos	Agronomic value

37	U.S. Manure Nutrient Trends (2012-2022)	M. Wilson (N. Bohl Bormann)	Agronomic value
38	Biothermal treatments applied to beer bagasse: composting and vermicomposting	A. Rosal (M. del Valle Palenzuela)	Agronomic value
39	Study on the incorporation of hydrolysed sludge in co-composting processes: the case of EMASESA. (Seville, Spain)	A. Rosal (M. del Valle Palenzuela)	Agronomic value
40	Characterization of pig slurry by productive category in Galicia (Spain)	M. I. García Pomar (R. Besteiro Doval)	Agronomic value
41	Advancements in biogas digestate management: Multi-step separation for nutrient recovery and environmental sustainability	M. Ghorbani	Agronomic value
42	Efficacy of on-farm screw and screen-press slurry separators on the composition of separated liquid and solid cattle slurry fractions	A. Pinder	Agronomic value
43	Hydrothermal Carbonization of Liquid Dairy Manure: A Sustainable Approach for Phosphorus Recycling via Hydrochar	L. Chen	Agronomic value
44	Coagulation/flocculation treatment of pig slurry using tannin- based polymer for subsequent microalgae growth	L. Escudero Campos	Agronomic value
45	Growth of autochthonous microalgae in pig effluent after a nitrification - denitrification process: a case study in Castilla y León (Spain).	L. Escudero Campos	Agronomic value
46	Exploring sustainable fungicides against Fusarium culmorum, based on VFAs from cheese whey and wine lees	M. C. García-González (B. Molinuevo-Salces)	Agronomic value
	Search for antagonistic microorganisms derived from anaerobically digested slurries (ADSs) against several tomato diseases & Testing of effective bacteria	C. Ruiwen	Agronomic value
	A variable residue: meta-analysis on the nitrogen fertilizer replacement value of anaerobic digestate	M. Smit	Agronomic value
	NIR estimation of key parameters for a more sustainable raw organic waste direct application to agricultural soils	E. Martínez-Sabater	Agronomic value
	Harnessing the power of biotic and abiotic compost extracts: effects on plant growth and stress resistance	A. J. Toribio	Agronomic value
47	Future-proof composts and soil amendments to cope with intensified droughts	L. Baert	Soil quality
48	Impact of soil amendments from food industry by-products on maize and winter wheat development and selected soil quality parameters – findings of a 2-year field experiment	A. Bauerle	Soil quality
49	Effects of seaweed fertiliser on perennial ley	J. Cabell	Soil quality
50	Antifungal Potential Evaluation of Chitosan-Silver Nanoparticles Synthesized via Microwave Radiation and One-Pot Reduction Methods	A. Hosney	Soil quality
51	Multi-Year Soil Health Data Relating to Manure Land Application in Missouri	T. Lim	Soil quality
52	Assessing the Effectiveness of Amendments in Relation to Soil Properties: A Greenhouse Pot Experiment	M. Luppi	Soil quality

53	Laboratory assessment of new bio-based fertiliser from fruit and vegetable waste	R. Ramos Bueno	Soil quality
54	Recycling of food processing residues and the effect on soil health	E. Faurholdt Vistisen	Soil quality
	Occurrence of antibiotic-resistant bacteria in cattle excrement: potential transmission during application of manure to soil	G. Gregová	Soil quality
	Evaluation of the effect of the addition of wine vinasse on the co-digestion of slaughterhouse sludge and wastewater	M. Candel Pecellín	Soil quality
55	Variation and factors influencing ammonia concentration levels in finishing pig facilities, Ireland	I. Martin Aroh	Air quality
56	A meta-regression model to estimate the variation in ammonia emission fractions from fertilizer and manure across croplands in China	R. Cao	Air quality
57	Ammonia emissions of dairy systems with or without grazing: considering barn, storage and pasture	N. Edouard	Air quality
58	Measurements of gaseous losses from organic residues as fertilizers	B. Foereid	Air quality
59	Prediction of the ammonia emission potential based on the ALFAM2 model and meteorological projections for slurry spreading	T. Kupper	Air quality
60	The influence of changes in production technique on modelled ammonia emissions in Switzerland	T. Kupper	Air quality
61	Mitigating ammonia emissions from pig farms implementing source-oriented measures	C. Levraut	Air quality
62	Ammonia emissions from separated cattle slurry fractions following land application	I. Lloyd	Air quality
63	Estimating the efficacy of low emissions slurry spreading (LESS) methods and slurry acidification at ammonia (NH ₃) reduction under temperate grassland conditions in Ireland	J. Mcilroy	Air quality
64	Management of nitrogen in nutrition of Italian heavy pig to reduce excretion and emissions	G. Moscatelli	Air quality
65	Air fresher captures ammonia in pig farm and improves animal health	A. Moure Abelenda	Air quality
66	Effect of nitrification inhibitors mixed in field applied organic slurries on ammonia emissions under conditions of Central Europe	A. Pacholski	Air quality
67	Evaluation of application and treatment options for reducing ammonia emissions from field-applied slurry digestate	J. Pedersen	Air quality
68	NO _x emissions following RENURE, organic and inorganic fertilizer application to clay soils	J. van Waaij	Air quality
69	Development of microbial inoculant consortia for sustainable pig slurry treatment	F. Suárez-Estrella (M. Jose Lopez)	Air quality
70	Evaluating Four Configuration Systems for NH ₃ Emission Reduction and Nitrogen Recovery as Fertilizer	M. C. García-González (B. Molinueva Salces)	Air quality
71	Effect of Biochar on Nitrogen Dynamic to Regulate Ammonia and Nitrous Oxide Emissions during Composting	A. Tremier (E. Elviliana)	Air quality

	Innovative decision-making tool for defining the most suitable manure management strategies to achieve a sustainable livestock farming system during the whole value chain (NUTRITIVE)	B. Amon (W. Umar)	Air quality
72	Nitrous oxide emission from fertilised temperate grassland: a comparison of cumulative emissions determined by automatic and static chamber methods	A. Agyemang Duah	GHG emissions
73	Can diet influence methane emissions from the manure of dairy cows?	H. Wilson Ambrose	GHG emissions
74	Quantification of enteric methane in cattle fed with high-grain, low-grain, and pure-grain diets	B. Amâncio	GHG emissions
75	Greenhouse Gas and Ammonia Emissions from Manure Storage: Impact of Slurry Separation and Treatment Strategies	P. Brassard	GHG emissions
76	Modelled effect of storage tank size on methane emission and temperature dynamics in manure	F. Dalby	GHG emissions
77	Organic matter degradation dynamics in cattle manure: Effect of diet and storage temperature	F. Dalby	GHG emissions
78	Can diet influence methane emission from manure from dairy cows?	F. Dalby	GHG emissions
79	Methane emission from digestate storage as impacted by temperature and acidification	C. Dold	GHG emissions
80	Low dose acidification of full-scale slurry storage tanks mitigating methane emissions	P. Garcia Perez	GHG emissions
81	Effects of charcoal powder addition on temperature and greenhouse gas emission during high-moisture cow manure composting	D. Hanajima	GHG emissions
82	Measuring ammonia and greenhouse gas emissions from pilot-scale slurry storage tanks	J. Nørlem Kamp	GHG emissions
83	Gaseous Nitrogen losses from slurry application – effect of mitigation measures	J. Kühne	GHG emissions
84	Evaluation of a Low-Cost Wireless Sensor Network for CO ₂ Measurements in a Dairy Barn.	B. Macartan	GHG emissions
85	N ₂ O and NO emissions from winter wheat crop under organic-mineral fertilization	A. Monistrol	GHG emissions
86	Greenhouse gas balance of biochar mixed farmyard manure applied grassland in Nasu, Japan	A. Mori	GHG emissions
87	Greenhouse gas and ammonia emissions from fattening and sow pig houses in Spain	A. Perea-Cachero	GHG emissions
88	Methodologies for measuring greenhouse gasses and ammonia emissions along the manure management chain	A. Perea-Cachero (N. Mateo-Marín)	GHG emissions
89	Measuring the effect of feeding sainfoin (<i>Onobrychis viciifolia</i>) silage on methane emissions in a naturally ventilated dairy housing using a case-control approach	S. Schrade	GHG emissions
90	Integrated emission mitigation solutions through innovative housing and manure management systems in pig farming	P. Sefeedpari	GHG emissions

91	Assessing the effect of long-term reduced tillage on N ₂ and N ₂ O emissions – an incubation experiment	J. Stenfert Kroese	GHG emissions
92	Design and implementation of a modified semi-continuous simulation technique to assess enteric methane mitigation in ruminants	T. Timm	GHG emissions
93	Agro-industrial by-products valorisation by Lentinula edodes bioconversion for ruminant feeding: in vitro effects on ruminal fermentation and greenhouse gases emissions	T. Timm	GHG emissions
94	Enhancing Methane Emission Estimates from Manure Management: A Comparative Analysis of IPCC Guidelines and Methodological Approaches	J. Mi Triolo	GHG emissions
95	Enhancing Energy Efficiency and Methane Emission Reduction in Pig Manure-Based Biogas Production	J. Mi Triolo	GHG emissions
96	Loss of biogas potential in the first three days after excretion of dairy cow and pig manure	E. van Boxmeer	GHG emissions
97	No reduction of annual N ₂ O emission by nitrification inhibitor DMPP added to Cattle Slurry and Ammonium Sulphate Nitrate - a multisite comparison	A. Wonneberger	GHG emissions
	Bioenergy project, farm demonstration - Valuation of livestock manure to generate self-consumption energy and compost	B. Fernández	GHG emissions
	Evaluation of the dynamics of essential elements in soil by sludge incorporation under controlled conditions: Effect on greenhouse gas emissions and mineralisation	E. Martinez-Sabater	GHG emissions
98	FAMT, a Farm Ammonia Mitigation Tool to quantify farm specific mitigation options	C. Dekker	Integral analysis
99	Physico-chemical and biological characterization of sludge from Normandy dairy industries: combining agronomic value and regulatory compliance of contaminants	N. Laurent	Integral analysis
100	Bio-methanization Digestate as Animal Bedding: A New Strategy Towards a Circular Canadian Agriculture	J. Palacios	Integral analysis
101	Agronomic benefits and challenges of using anaerobically treated pig slurry on agricultural soils in Córdoba, Argentina	V. Pegoraro	Integral analysis
102	Addressing Pathogen Impact in Life Cycle Assessment: Nationwide spatially explicit characterization factor for organic fertilisation	P. Piveteau	Integral analysis
103	Towards climate-neutral agriculture: Integrating site-specific nitrogen fertilization recommendations and soil organic carbon dynamics – A case study for Swiss organic mountain farms	E. Tanner	Integral analysis
104	Integrated monitoring of manure management to implement best practices in Italian dairy cow farms	P. Lavazzo (A. Finzi)	Integral analysis
105	APIVALE, a scientific consortium for an integrated approach of organic effluent recycling and valorisation	F. de Quelen	Integral analysis
106	Limit DGGAS project: Livestock manure digestate treatments to reduce GHG and NH ₃ emissions and meet crop nutrients requirement	E. Scotto di Perta (A. Alessandra)	Integral analysis

107	EULED: an Investigation in sharing Emission Data across partners	Q. Peeters	Policy and regulation
108	Enhancing compost quantity and quality by improved kitchen waste collection: Results from multi-storey buildings in two Residential Areas in the City of Lübeck	L. Raisfirooz	Policy and regulation
109	Zero ammonia emission on Dutch acidic soils with sustainable use of acidification	M. Toft	Policy and regulation
110	Extraction of ammonium bicarbonate from raw cattle slurry	A. Moure Abelenda	Water quality
111	Sustainable optimization of nutrient budgets and co-benefits for other pollutants to ensure clean water	C. Ellerkamp	Water quality
112	A potential future slurry management approach for Northern Ireland	C. Johnston	Water quality
113	Ammonium Dominated Liquid Fertilizer Injection (CULTAN) Contributes to Lower N Leaching While Maintaining Yield	F. Liebisch	Water quality
114	Lessons-learned from long-term phosphorus experiments on permanent grassland	I. Regelink	Water quality
115	New integrative approaches for sufficient clean water in the Mediterranean Agro-Hydro-System	J. Renovell Sala	Water quality
116	Modelling agricultural plastic mulching: lessons from rivers in Europe and China	A. Ural-Janssen (I. Micella)	Water quality