

**23 rd General Meeting of the European Grassland Federation
- Scientific programme -**

Saturday, August 28	
14:00-21:30	Pre-workshop excursion (pre-registration is required) Meeting point: 13:45 at registration desk in main lecture hall (Audimax)
Sunday, August 29	
8:30-19:00	Registration
9:00-17:00	Pre-conference workshops (pre-registration is required) WG 1: Analytical methods for measuring fatty acids in forage Location: Audimax, lecture room E Information: <i>A. Elgersma</i> (Anjo.Elgersma@wur.nl) WG 2 : Research methodology of grazing Location : Audimax, lecture room A Information : <i>A. van den Pol-van Dasselaar</i> (agnes.vandenpol@wur.nl) WG 3 : Dairy farming Systems and Environment together with EGF WG "Grassland resowing and arable rotations" Location : Audimax, lecture room K Information : <i>F. Aarts</i> (frans.aarts@wur.nl), <i>S. Conijn</i> (sjaak.conijn@wur.nl)
17:00-20:00	Welcome Drink Location: Restaurant 'Galileo' (close to Audimax)
Monday, August 30	
8:30-10:00	Registration and coffee
10:00-11:15	Opening session Location: Audimax, lecture hall G Chairperson: <i>J. Isselstein (Germany)</i>
10:00	Opening address <i>J. Isselstein, President of the European Grassland Federation</i>
10:10	Welcome address <i>G. Fouquet, President of Christian-Albrechts University Kiel</i>
10:20	Welcome address <i>P.-H. Carstensen, Prime Minister of the State of Schleswig-Holstein</i>
10:30	Grassland and globalisation <i>F. Taube, Christian-Albrechts University Kiel</i>
11:15-12:25	Plenary session 1 - Grassland and global change Location: Audimax, lecture hall G

	Chairperson: B. Cagas (Czech Republic)
11:15	C3/C4 grasslands and climate change <i>F.A. Lattanzi (Germany)</i>
11:50	Impact of economic and political drivers on the grassland use in the EU <i>B. Osterburg., F. Isermeyer, B. Lassen, N. Röder (Germany)</i>
12:30-14:00	Lunch Location: Student's cafeteria (Mensa)
14:00-14:45	Parallel sessions 1.1 and 1.2
	1.1 Grassland and climate change Location: Audimax, lecture hall G Chairpersons: <i>A. Lüscher (Switzerland), U. Thumm (Germany)</i>
14:00	Changes in soil organic matter content of grassland and maize land in the Netherlands between 1970 and 2009 <i>J.A. Reijneveld, P.J. Kuikman, O. Oenema</i>
14:15	Changes in abundance and diversity of wild species in grass fields in Denmark <i>C. Andreassen C., H. Stryhn H., L.C. Andresen</i>
14:30	Multi-species mixtures - new perspectives on models and mechanisms <i>J. Connolly, T. Bell, C. Brophy, T. Carnus, J. Finn, L. Kirwan, A. Lüscher, M.T. Sebastia, A. Weigelt</i>
	1.2 Grassland and socio-economic change Location: Audimax, lecture hall H Chairpersons: <i>U. Wyss (Switzerland), P. Stypinski (Poland)</i>
14:00	Case-control studies for risk-assessment in ecology and agriculture <i>M. Suter M., A. Lüscher</i>
14:15	Extensive grasslands beyond the year 2013 – present situation and options for the future? <i>R. Luick, S. Schrode</i>
14:30	Simulation of the effect of grass intake on the farmer's income <i>A. Van den Pol-van Dasselaar., M. De Haan., A. Evers A., A.P. Philipsen</i>
14:45-15:15	Coffee break
15:15-16:25	Plenary Session 2 – The future of grassland production systems Location: Audimax, lecture hall G Chairperson: <i>A. Gomes (Portugal)</i>
15:15	Grass biomethane: A sustainable alternative industry for

	grassland <i>A. Singh, N.E. Korres, J.D. Murphy (Ireland)</i>
15:50	The role of genetic resources for sustainable and productive grassland agriculture <i>R. Kölliker, B. Boller (Switzerland)</i>
16:30-18:00	Poster sessions 1.1, 1.2, 2.1, 2.2 Location: Audimax basement
18:30	Welcome Reception Location: Kiel town hall Welcome address: Ms. C. Kietzer (President of Kiel City Council)
Tuesday, August 31	
8:15-9:45	Parallel sessions 2.1 and 2.2
	2.1 Grassland systems and technology Location: Audimax, lecture hall G Chairpersons: <i>P. Golinski (Poland), A. Reijneveld (The Netherlands)</i>
8:15	Influence of cutting date and pre-conditioning on the energy production from grassland through the integrated generation of solid fuel and biogas from biomass (IFBB) <i>F. Richter, T. Fricke, M. Wachendorf</i>
8:30	Slurry seeding in grassland in Norway <i>L. Nesheim</i>
8:45	Grassland yield response to knife/tine slurry injection equipment – benefit or crop damage? <i>M.A. Halling, L. Rodhe</i>
9:00	Modelling ammonia emissions after field application of biogas slurries on grassland sites <i>A. Pacholski, D. Gericke, K. Ni, H. Kage</i>
9:15	Microwave for dock control on grassland <i>R. Latsch, J. Sauter</i>
9:30	Better grazing opportunities with a mobile milking robot <i>A.P. Philipsen, M.H.A. de Haan, A. Van den Pol-van Dasselaar, G. Holshof, F.A.J. Lenssinck, C.J.A.M. de Koning</i>
	2.2 The role of genetic resources and 2.1 Grassland systems and technology (continued) Location: Audimax, lecture hall H Chairpersons: <i>M. Humphreys (United Kingdom), D. Reheul (Belgium)</i>
8:15	The effect of evaluation protocol on the dry matter yield performance of <i>Lolium perenne</i> varieties

	<i>M. McEvoy, M. O'Donovan, C. Wims, E. Kennedy</i>
8:30	A system to optimize forage crop variety trials for regionalized Recommended Lists in Germany <i>S. Hartmann</i>
8:45	Genetic shift in white clover (<i>Trifolium repens</i> L.) after natural selection in a marginal area <i>M. Göransson M., Á. Helgadóttir</i>
9:00	Analysis of hyperspectral data to estimate forage quality in legume-grass mixtures <i>S. Biewer, T. Fricke, M. Wachendorf</i>
9:15	Dry matter and protein yields of red clover, Italian ryegrass and their mixtures <i>S. Alibegovic-Grbic, M. Bezdrob, H. Civic</i>
9:30	Continuous and rotational grazing system with horses: effects on gorse production understory developed under <i>Pinus radiata</i> stand <i>M.R. Mosquera-Losada, R. Mouhbi, M.P. González-Hernández, A. Boubaker, A. Rigueiro-Rodríguez</i>
9:45-10:15	Coffee break
10:15-11:25	Plenary session 3 – From grass to milk and meat Location: Audimax, lecture hall G Chairperson: <i>A. de Vliegher (Belgium)</i>
10:15	Forage conservation, feeding value and milk quality <i>P. Huhtanen (Sweden), K.-H. Südekum (Germany), J. Nousiainen (Finland), K.J. Shingfield (Finland)</i>
10:50	Authenticity and traceability of grassland production and products <i>F.J. Monahan, A.P. Moloney, G. Downey, P.G. Dunne, O. Schmidt, S.M. Harrison (Ireland)</i>
11:30-12:15	Parallel sessions 3.1 and 3.2
	3.1 Forage conservation, feeding value and product quality Location: Audimax, lecture hall G Chairpersons: <i>M. Gierus (Germany), K. Soegaard (Denmark)</i>
11:30	Harvest dates affect fungal counts and fungal composition of baled haylage <i>J.A. Schenck, C.E. Müller</i>
11:45	Top losses in maize silage sealed with different plastic films <i>T.F. Bernardes, L.G. Nussio, R.C. Amaral</i>
12:00	A scheduling model for forage harvesting <i>C.G. Sørensen, D.D. Bochtis, O. Green, F.W. Oudshoorn</i>
	3.2 Authenticity and traceability of grassland production

	<p>and products Location: Audimax, lecture hall H Chairpersons: <i>S. Prache (France), M. Coppa (Italy)</i></p>
11:30	<p>The effect of allocation frequency in rotational grazing systems on the fatty acid profile in milk fat of dairy cows <i>B. Vlaeminck, P.A. Abrahamse, V. Fievez, M. Lourenço, J. Dijkstra, S. Tamminga</i></p>
11:45	<p>Influence of the botanical diversity and development stage of mountain pastures on milk fatty acid composition, carotenoids, fat-soluble vitamins and sensory properties <i>G. Tornambé, A. Ferlay, A. Farruggia, Y. Chilliard, P. Loiseau, P. Pradel, B. Graulet, B. Chauveau-Duriot, B. Martin</i></p>
12:00	<p>Meat quality of Norwegian lambs finished on semi-natural pastures, concentrate or ryegrass pastures <i>V. Lind, J. Berg, L.O. Eik, S.M. Eilertsen, M. Hersleth, E. Haugland</i></p>
12:15	<p>Go to buses Coaches are placed outside the Audimax</p>
12:30	<p>Buses leave for mid-conference tours</p> <ul style="list-style-type: none"> - North tour - West coast tour - Central tour - East tour - South tour <p>Lunch is served in the coaches. The tours also include coffee and dinner.</p>
22:00	<p>Arrival in Kiel</p>
Wednesday, September 1	
8:15-9:15	<p>Parallel sessions 3.1 and 3.2</p>
	<p>3.1 Forage conservation, feeding value and product quality (continued) Location: Audimax, lecture hall G Chairpersons: <i>M. Gierus (Germany), K. Soegaard (Denmark)</i></p>
8:15	<p>Variation of fatty acid content in grass and milk during the grazing season <i>U. Wyss, A. Münger, M. Collomb</i></p>
8:30	<p>Effect of pasture botanical composition on milk composition in organic production <i>S. Adler, A.V. Dahl, A.H. Vae, E. Thuen, T. Garmo, S. Krogh-Jensen, J. Hansen-Møller, H. Steinshamn</i></p>
8:45	<p>The condensed tannins in sainfoin cause digestive synergy on in vitro rumen fermentation of cocksfoot <i>V. Niderkorn., A. Le Morvan, R. Baumont</i></p>

9:00	Influence of genotype and mechanical stress on the specific polyphenol oxidase activity in pure red clover swards <i>N. Weiher, M. Krawutschke, M. Gierus, F. Taube</i>
	3.2 Authenticity and traceability of grassland production and products (continued) and 3.1 Forage conservation, feeding value and product quality (continued) Location: Audimax, lecture hall H Chairpersons: <i>S. Prache (France), M. Coppa (Italy)</i>
8:15	Tracing processes in grassland systems with stable isotopes - Results from the EGF master class <i>N.N., Participants of the EGF Master Class "Stables Isotopes in Grassland Science"</i>
8:30	Enrichment of ¹³ C in <i>Medicago sativa</i> and <i>Lolium multiflorum</i> n-alkanes <i>M. Bulang, J. Boguhn, M. Rodehutschord</i>
8:45	Comparison of grazed grass and a TMR diet on early lactation milk production performance <i>E. Kennedy, E. Lewis, J.P. Murphy, M. O'Donovan</i>
9:00	Influence of tree and shrub presence on plant nutrient content of pasture in dehesa system <i>M.L. López-Díaz, G. Moreno Marcos, V. Rolo Romero</i>
9:15-9:45	Coffee break
9:45-11:15	Poster sessions 3.1 and 3.2 Location: Audimax basement
11:20-12:30	Plenary session 4 – Grassland ecosystem services Location: Audimax, lecture hall G Chairperson: <i>G. Peratoner (Italy)</i>
11:20	Balancing trade-offs in ecosystem functions and services in grassland management <i>M.A. Sanderson (United States), F. Wätzold (Germany)</i>
11:55	Ecosystem services and functions of biodiversity in grasslands <i>A. Weigelt, A. Vogel, M. Scherer-Lorenzen (Germany)</i>
12:30-14:00	Lunch Location: Student's cafeteria (Mensa)
14:00-15:15	Parallel sessions 4.1 and 4.2
	4.1 Balancing tradeoffs between functions Location: Audimax, lecture hall G Chairpersons: <i>V. Pavlu (Czech Republic), P. Virkajärvi (Finland)</i>
14:00	Plant functional strategies from 13 co-occurring grass species

	<p>explain the productivity and abundance in productive grasslands <i>L. da S. Pontes, V. Maire, N. Gross, R. Proulx, F. Louault, P. Carrère, J.F. Soussana</i></p>
14:15	<p>Distinct response of two wet grassland communities to different management regimes <i>J. Čop, K. Eler, M. Vidrih</i></p>
14:30	<p>Regulation of meadow saffron (<i>Colchicum autumnale</i> L.) in extensively managed grasslands <i>L.S. Jung, S. Winter, M. Kriechbaum, R.L. Eckstein, T.W. Donath, A. Otte</i></p>
14:45	<p>Winter resistance of pasture weeds <i>Rumex obtusifolius</i> L. and <i>R. crispus</i> L. <i>V. Křišťálová, M. Hejzman, K. Červená</i></p>
15:00	<p>Evaluation of the agronomical and environmental relevance of the CAP measure ‘flowering grassland’ <i>S. Plantureux, A. Ney, B. Amiaud</i></p>
	<p>4.2 Functions of biodiversity Location: Audimax, lecture hall H Chairpersons: <i>N. Wrage (Germany), M. Hejzman (Czech Republic)</i></p>
14:00	<p>Paths of nitrogen transfer from <i>Trifolium repens</i> to non-legume plants in unfertilised pastures <i>K. Auerswald, R. Schäufele, H. Schnyder</i></p>
14:15	<p>Effect of mono- and mixed grazing of cattle and sheep on grassland diversity patterns <i>M. Seither, U. Petersen, N. Wrage, J. Isselstein</i></p>
14:30	<p>Anecic earthworms and associated ecosystem services under pressure in a ley-arable crop rotation <i>N. van Eekeren, L. Bommelé, J. Bokhorst, A.J. Schouten, D. Reheul, L. Brussaard</i></p>
14:45	<p>Agronomically improved grass-legume mixtures: higher dry matter yields and more persistent legume proportions <i>D. Suter, O. Huguenin-Elie, D. Nyfeler, A. Lüscher</i></p>
15:00	<p>Grass root turn-over for improved soil hydrology to combat flooding <i>M.W. Humphreys, L.B. Turner, S.A. O’Donovan, C.J.A. Macleod, I.P. King, W.R. Whalley, P.M. Haygarth</i></p>
15:15-15:45	Coffee break
15:45-17:45	<p>Poster sessions 4.1, 4.2, 5.1, 5.2 Location: Audimax basement</p>
19:00	<p>Conference dinner (pre-registration is required) Location: Kiel castle</p>

	Landscape change in North-West Europe during the last 2000 years <i>H.-R. Bork</i>
	Poster Prize Award
Thursday, September 2	
8:15-9:25	Plenary session 5 - Pastoral/grazing systems Location: Audimax, lecture hall G Chairperson: M. Elsässer (Germany)
8:15	To produce milk at grazing to reconcile economic and environmental performances <i>J.L. Peyraud (France), A. Van den Pol-van Dasselaar (Netherlands), P. Dillon (Ireland), L. Delaby (France)</i>
8:50	Environmental impacts of grazed pastures <i>J. Eriksen (Denmark), S. Ledgard (New Zealand), J. Luo (New Zealand), R. Schils (The Netherlands), J. Rasmussen (Denmark)</i>
9:25-9:45	Coffee break
9:45-11:00	Parallel sessions 5.1 and 5.2
	5.1 Pasture management and production Location: Audimax, lecture hall G Chairpersons: <i>E. Pötsch (Austria), B. Dumont (France)</i>
9:45	Comparison of methods to quantify bite rate in calves grazing winter oats with different structures <i>L.B. Nadin, F. Sánchez Chopa, J.K. Trindade, G. Amaral, G.D. Milano, L.S. Moreno, H.L. Gonda</i>
10:00	Grazing behaviour and intake of two Holstein cow types in a pasture-based production system <i>F. Schori, A. Münger</i>
10:15	Increasing concentrate levels during the grazing season – effects on yield and behaviour of dairy cows <i>K. Alvåsen, E. Spörndly</i>
10:30	Feeding behaviour of sheep on shrubs (<i>Cytisus scoparius</i> L.) in response to contrasting herbaceous cover <i>L. da S. Pontes, D. Magda, C. Agreil, B. Gleizes</i>
10:45	Utilisation of cut and grazed fields is linked to their geographical characteristics in mountainous bovine systems <i>F. Garcia-Launay, C. Sibra, H. Molénat, C. Agabriel, G. Brunschwig</i>
	5.2 Environmental benefits and risks and 5.1 Pasture management and production (continued) Location: Audimax, lecture hall H Chairpersons: <i>H. Eckersten (Sweden), R.-M. Canals (Spain)</i>

9:45	The contribution of grass and clover root turnover to N leaching <i>J. Rasmussen, Á. Helgadóttir, B. Frankow-Lindberg, R. Loges, J. Eriksen</i>
10:00	Winter grazing of grass-clover swards grown as green manure under the maritime climatic conditions of Northern Germany <i>R. Loges, D. Westphal, F. Taube</i>
10:15	Nitrogen excretions in dairy cows on a rotational grazing system: effects of fertilization type, days in the paddock and time period. <i>I. Dufrasne, V. Robaye, L. Istasse, J.-L. Hornick</i>
10:30	The effect of organic management strategies on dairy production in clover-based grassland <i>B. Keogh, J. Humphreys, P. Phelan, M. Necpalova, I.A. Casey, E. Fitzgerald</i>
10:45	The effect of sward <i>Lolium perenne</i> content and defoliation method on seasonal and total dry matter production <i>P. Creighton, E. Kennedy, T. Gilliland, T.M. Boland, M. O'Donovan</i>
11:00-11:30	Coffee break Business meeting
11:30-13:00	Closing session Location: Audimax, lecture hall G
11:30	Round table discussion 'The future of grassland in Europe' Chairperson: <i>R. Wilkins (United Kingdom)</i> <i>R. Mögele, European Commission, Brussels, Belgium</i> <i>H.-C. Eiden, Federal Agency for Agriculture and Food (BLE), Bonn, Germany</i> <i>G. Nagy, Debrecen University, Debrecen, Hungary</i>
12:50	Resumé of the conference Location: Audimax, lecture hall G <i>J. Nösberger (Switzerland)</i>
13:00-13:15	Closing ceremony Location: Audimax, lecture hall G
13:15	Lunch Location: Student's cafeteria (Mensa)
14:00-17:00	Satellite Meeting of the German Grassland Society (AGGF) Location: Audimax, lecture hall C
14:30-19:00	Satellite Meeting of MULTISWARD on Multifunctional Grasslands Location: Audimax, lecture hall A

