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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 1: Animal breeding and genetics: What will sheep and goat breeding look like in the future 1?** | | | |
| Chair: Prof. Dr. Gesine Lühken, Vice-Chair: Dr. Christian Mendel | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 1 - 1 | Jens Wilkens | Vereinigte Informationssysteme Tierhaltung w.V., 27283 Verden / Aller, Germany | Central information processing in German sheep and goat breeding |
| 1 - 2 | Wolfgang Ruten | IT-Solutions for Animal Production, Verden, Germany | Genetic evaluation for sheep in Germany |
| 1 - 3 | Henner Simianer | Animal Breeding and Genetics Group, Center for Integrated Breeding Research, University of Goettingen, Germany | MoBPS for sheep and goats – an innovative tool to design and optimize breeding programs |
| 1 - 4 | Chanda Nimbkar | Nimbkar Agricultural Research Institute (NARI), Phaltan, India | Early data from a community based breeding program indicates opportunity for genetic gain in Black Bengal goats owned by underprivileged rural women in Bihar State of India |
| 1 - 5 | Nina Ossowski | Institute of Animal Breeding and Husbandry - Christian-Albrechts-University, Kiel | Development of a sustainable breeding programme in German sheep farming by using multi-live cover (MuNaSch) |
| 1 - 6 | Patrick Baenyi | Department of Animal Production, Université Evangélique en Afrique, Bukavu, DR Congo | Reproductive traits and dairy use potential of indigenous goats of South Kivu, DRC, can be identified by their tail |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 2: Animal breeding and genetics: What will sheep and goat breeding look like in the future 2?** | | | |
| Chair: Prof. Dr. Gesine Lühken, Vice-Chair: Dr. Christian Mendel | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 2 - 1 | Ottmar Distl | University of Veterinary Medicine Hannover, Institute for Animal Breeding and Genetics | Genomics to breed sheep resistant to footrot |
| 2 - 2 | Beatriz Gutierrez-Gil | Animal Production, Faculty of Veterinary Sciences, Campus de Vegazana, Universidad de León, Spain | High-resolution analysis of a QTL influencing sheep resistance to gastrointestinal nematode infection through whole-genome resequencing of a segregating trio |
| 2 - 3 | Rebecca Simon | Institute of Animal Breeding and Genetics, Justus Liebig University, Giessen, Germany | No doubt anymore: A simple genetic test to facilitate breeding for polledness in goats |
| 2 - 4 | Ibrahim Abousoliman | Leibniz Institute for Farm Animal Biology (FBN) , Dummerstorf, Germany | Analysis of Candidate Genes for Growth and Milk Performance Traits in the Egyptian Barki Sheep |
| 2 - 5 | Johanna Maria Meilwes | Clinic for Swine, Small Ruminants and Forensic Medicine, University of Veterinary medicine Hannover, Foundation | Assisted Reproductive Techniques in Sheep and Goats – Chances and Limits of alternative ways in breeding |
| 2 - 6 | Beste Cil | Department of Animal Reproduction and Artificial Insemination, Faculty of Veterinary Medicine, Ankara University, Turkey | The use of homologous seminal plasma before and during deep vaginal timed artificial insemination in sheep monitored by thermography and electrical impedance of vaginal mucous |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 3: Economy: How can the profitability of sheep and goat farming be improved?** | | | |
| Chair: Prof. Dr. Stanislaus von Korn, Vice-Chair: Janine Bruser, Vice-Chair: Fides Marie Lenz | | | |
| **Presentation Number** | **Name** |  | **Title** |
| 3 - 1 | Stanislaus v. Korn | Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen, Institut für Angewandte Agrarforschung (IAAF) | Keynote: Sheep and goats in the world and the importance of economy |
| 3 - 2 | Isabel Sand | Kuratorium für Technik und Bauwesen in der Landwirtschaft (KTBL), Darmstadt, Germany | Assessment of the production of goat milk by means of performance cost accounting in terms of economic efficiency and influence of stock size |
| 3 - 3 | Stanislaus v. Korn | Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen, Institut für Angewandte Agrarforschung (IAAF) | An assessment of economic efficiency in German sheep farming - a nationwide analysis |
| 3 - 4 | Henryk Baumbach | Thüringer Ministerium für Umwelt, Energie und Naturschutz, Referat 45: Naturschutzrecht, Landschaftspflege, Naturschutzförderung | The Thuringian sheep and goat premium |
| 3 - 5 | Stefanie Schröter | Naturstiftung David, Projekt Weidewonne, Brau, Deutschland | Weidewonne – bringing together lamb marketing and landscape conservation |
| 3 - 6 | Nathalie Ketterle | Kollektion der Vielfalt, Zell, Germany | Ways to improve the profitability of sheep farming with rare indigenous sheep breeds |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 4: Environmental performance and climate change: What do sheep and goats contribute to climate change mitigation?** | | | |
| Chair: Prof. Dr. Thomas Döring | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 4 - 1 | N.N. |  | Keynote |
| 4 - 2 | Alexander Riek | Institute of Animal Welfare and Animal Husbandry, Friedrich-Loeffler-Institute, Celle, Germany | Adaptation to saline drinking water in goats |
| 4 - 3 | Matthias Gerhard Wagener | University of Veterinary Medicine Hannover, Foundation, Clinic for Swine and Small Ruminants, Hannover, Germany | Anaplasma phagocytophilum in cattle, sheep and goats in Germany – results of a systematic review of the literature |
| 4 - 4 | Mohammad Ikhsan Shiddieqy | Indonesian Center for Animal Research and Development (ICARD), Bogor, Indonesia | Opportunities to mitigate GHG emissions from sheep and goat farming in Indonesia |
| 4 - 5 | Jessica Reintke | Institute of Animal Breeding and Genetics, University of Giessen, Ludwig St. 21B, 35390 Giessen, Germany | The impact and breeding perspectives of maternal energy metabolism profiles pre- and postpartum on lamb body weight development with special regard to ewe methane emission traits |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 5: Animal genetic resources: Diversity and characterization** | | | |
| Chair: Dr. Roswitha Baumung, Vice-Chair: Christian Gerlinger | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 5 - 1 | N.N. |  | Keynote |
| 5 - 2 | Robert Boyle Onzima | Department of Agricultural Sciences, Faculty of Agriculture and Environmental Sciences (FAES), Kabale University, Uganda | Genomic Characterization of Selection Signatures: what is the future for sustainable utilization of Ugandan Goat Breeds |
| 5 - 3 | Habib Whannou | Faculty of Agricultural Sciences, University of Abomey-Calavi | Morphological variability and geographical distribution of goat populations from Benin (West Africa) |
| 5 - 4 | Mulata Adhena | Department of Animal Breeding and Genetics, Swedish University of agricultural Sciences (SLU), Uppsala, Sweden | Genetic Diversity and Maternal Origins of Indigenous Sheep Populations in North Ethiopia |
| 5 - 5 | Siham Rahmatalla | Albrecht Daniel Thaer-Institut für Agrar- und Gartenbauwissenschaften, Humboldt-Universität zu Berlin, Germany | Discovery of casein variants in goats using capture sequencing |
| 5 - 6 | Md. Abdul Alim | Animal Biotechnology Division, National Institute of Biotechnology, Ganakbari, Ashulia, Savar, Dhaka, Bangladesh | The origin and genetic diversity of Bangladeshi indigenous sheep: an updated perspective based on mitochondrial COI Sequences |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 6: Animal genetic resources: Implementation of policies and support** | | | |
| Chair: Dr. Roswitha Baumung, Vice-Chair: Christian Gerlinger | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 6 - 1 | Wim Gorssen | Research group Livestock Genetics, Faculty of Bioscience Engineering, KU Leuven, Heverlee, Belgium | Runs of homozygosity islands across 100 sheep and 96 goat populations reveal selection signatures |
| 6 - 2 | N.N. |  | Keynote |
| 6 - 3 | Holger Göderz | Bundesanstalt für Landwirtschaft und Ernährung (BLE), Informations- und Koordinationszentrum für Biologische Vielfalt, Bonn | The implementation of international commitments for animal genetic resources in Europe and Germany |
| 6 - 4 | Beate Berger | AREC Raumberg-Gumpenstein, Institute of Organic Farming and Biodiversity of Farm Animals, Thalheim, Austria | The Krainer Steinschaf in Austria – a multilateral approach to in situ conservation of an endangered breed |
| 6 - 5 | Sowah Addo | Department of Animal Breeding, University of Kassel, Witzenhausen, Germany | Is the German White-Headed Mutton Sheep an endangered breed? |
| 6 - 6 | Antje Feldmann | Gesellschaft zur Erhaltung alter und gefährdeter Haustierrassen e.V. (GEH); Witzenhausen | Marketing Situation and Concepts for Products of Endangered local Breeds of Sheep and Goats in Germany |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 7: Management and animal welfare** | | | |
| Chair: Dr. Heiko Georg, Vice-Chair: Gerhard Schuh, Vice-Chair: Priv.-Doz. Dr. Pera Herold | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 7 - 1 | Heiko Georg | Thünen Institut, Institut für ökologischen Landbau, Westerau, Germany | Keynote: Considering naturalness for a better management and welfare of goats |
| 7 - 2 | Bianca Greiner | Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen, Nürtingen, Deutschland | Development of an animal-friendly feeding system for horned goats – preliminary results |
| 7 - 3 | Lisa-Marie Sailer | Federal Food Safety and Veterinary Office (FSVO), Centre for Proper Housing of Ruminants and Pigs, Tänikon, Switzerland | Influence of housing and management on claw health of Swiss dairy goats |
| 7 - 4 | Antonia Patt | Institute of Animal Welfare and Animal Husbandry, Friedrich-Loeffler-Institut, Celle, Germany | Welfare effects of introducing and separating/reintroducing individual goats |
| 7 - 5 | Marisia Geraci | Goat Agribusiness Project South Africa | Goat commercialisation through increasing productivity of homestead herds in South Africa |
| 7 - 6 | Delia Lacasta | Animal Pathology Department. Instituto Agroalimentario de Aragón, Universidad de Zaragoza-CITA, Veterinary Faculty of Zaragoza, Spain | A topical anaesthestic wound formulation diminishes pain responses and improves wound healing of lambs at tail-docking |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 8: Other topics** | | | |
| Chair: Prof. Dr. Claudia Klein, Vice-Chair: Dr. Bettina Bongartz | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 8 - 1 | N.N. |  | Keynote |
| 8 - 2 | Ben Bauer | University of Veterinary Medicine Hannover, Foundation, Clinic for Swine and Small Ruminants, Hannover, Germany | Zoonotic Diseases in Small Ruminants: Risks and Opportunities |
| 8 - 3 | Dirk Hinrichs | Section Animal Breeding, University of Kassel, Witzenhausen, Germany | Comparative fattening and slaughter performance of four sheep breeds under practical farming conditions in northern Germany |
| 8 - 4 | Pedro de Jesus Deniz Gonzalez | Universidad Autónoma de Nayarit, Tepic, Nayarit, México | Expression of genes related with fat metabolism in sheep influenced by use avocado flour in the diet |
| 8 - 5 | Irene Noll | Regierungspräsidium Gießen, Wetzlar, Germany | Eutergesundheit bei hessischen Milchziegen und Milchschafen |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 9: Animal health: Parasitology** | | | |
| Chair: Prof. Dr. Martin Ganter, Vice-Chair: Dr. med. vet. Karl-Heinz Kaulfuß | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 9 - 1 | Steffen Werne | Research Institute of Organic Agriculture (FiBL), Frick, Switzerland | Potentials of using milk performance data as indicator for Targeted Selective Treatment in Lacaune dairy sheep in Switzerland |
| 9 - 2 | Martin Ganter | University of Veterinary Medicine Hannover, Foundation, Clinic for Swine and Small Ruminants, Hannover, Germany | Data of “Targeted selective Treatment” based on live weigh gain should be used for breeding for resistance against gastrointestinal nematodes |
| 9 - 3 | Ioanna Poulopoulou | Faculty of Science and Technology, Free University of Bolzano, Bolzano, Italy | Anthelmintic resistance to gastrointestinal nematodes in sheep flocks in South Tyrol, North Italy |
| 9 - 4 | Marvin Heuduck | Georg-August-University, Department of Animal Sciences, Goettingen, Germany | Selfmedicative Behavior and Tanniferous Fodder Plants: Alteration in Taste Perception and Feed Preferences of GIN-Infected Boer Goats |
| 9 - 5 | Steffen Werne | Research Institute of Organic Agriculture (FiBL), Frick, Switzerland | Sainfoin pellets for preventive parasite control and improved protein efficiency in dairy goats |
| 9 - 6 | Helder Quintas | Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Portugal | Coccidiosis in small ruminants farms - case study in Trás-os-Montes (northeastern Portugal) |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 10: Animal health: Locomotive apparatus and monitoring** | | | |
| Chair: Prof. Dr. Martin Ganter, Vice-Chair: PD Dr. Esther Humann-Ziehank | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 10 - 1 | Heinz Strobel | Schafpraxis, Stoffenried, Ellzee, Germany | Know how: The secret of successful lameness management |
| 10 - 2 | Ottmar Distl | University of Veterinary Medicine Hannover, Institute for Animal Breeding and Genetics, Hannover, Germany | Evaluation of prevalence and risk factors associated with virulent and benign Dichelobacter nodosus in German sheep breeds |
| 10 - 3 | Mirjam Rohde | Landesbetrieb Hessisches Landeslabor, Gießen, Germany | Caseous Lymphadenitis – control program for goat flocks in Hesse |
| 10 - 4 | Jose Maria Bello Dronda | NANTA S.A. University of Zaragoza, Small Ruminant, ZARA, SPAIN | antibiotic-susceptibility-in-iberia-jm-bello |
| 10 - 5 | Esther Humann-Ziehank | LABVETCON – Laboratory Veterinary Consulting, Burgdorf, Germany | Relevance of Selenium imbalances in sheep flocks and implications for herd health management consultancy |
| 10 - 6 | Valentina Busin | School of Veterinary Medicine, University of Glasgow, United Kingdom | Exploiting scanning surveillance data to assess the impact of different initiatives and inform future strategies to control sheep scab |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 11: Animal health: Reproduction** | | | |
| Chair: Prof. Dr. Martin Ganter, Vice-Chair: Dr. Henrik Wagner | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 11 - 1 | Henrik Wagner | Clinic for Obstetrics, Gynaecology and Andrology for Large and Small Animals with Veterinary Ambulance, Justus-Liebig-University Giessen, Germany | The trouble with the reproduction – Chosen problems of the small ruminants |
| 11 - 2 | René van den Brom | Royal GD, Deventer, Netherlands | Coxiella burnetii on Dutch dairy sheep farms between 2006 and 2020 |
| 11 - 3 | Nektarios Giadinis | Clinic of Farm Animals, School of Veterinary Medicine, Thessaloniki, GREECE | Investigation of abortions in small ruminants in Greece due to Chlamydia abortus |
| 11 - 4 | Mário Balaro | Department of Pathology and Clinical Veterinary, Faculty of Veterinary, Fluminense Federal University, Niteroi, RJ, Brazil. | Ultrasound findings of common genital pathologies in small ruminants |
| 11 - 5 | Sebastian Alessandro Mignacca | Veterinary practitioner, Enna, Italy, Catenanuova (Enna), Italy | Efficacy of a stabulogen vaccine for Streptococcus dysgalactiae-induced dermatitis in sheep |
| 11 - 6 | Mário Balaro | Department of Pathology and Clinical Veterinary, Faculty of Veterinary, Fluminense Federal University, Niteroi, RJ, Brazil. | Chronic Mycotoxicosis in a dairy goat farm in Brazil |

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| **Oral presentations: International Congress on the Breeding of Sheep and Goat** | | | |
| **Block 12: Structures of and prospects for sheep and goat farming, sustainability** | | | |
| Chair: Dr. Reinhard Reents, Vice-Chair: Dr. Jens Wilkens | | | |
| **Presentation Number** | **Name** | **Institute** | **Title** |
| 12 - 1 | Bossima Ivan Koura | School of Management and Exploitation of Livestock Systems, National University of Agriculture, Ketou, Benin | Sustainability assessment of Sheep and Goat Production Systems in Peri-urban areas of southern Benin (West Africa) |
| 12 - 2 | Sezen Ocak Yetisgin | Ondokuz Mayıs University, Faculty of Agriculture, Department of Animal Science, Samsun, Turkey | Characteristics of goat transhumance and its benefits for environmental sustainability |
| 12 - 3 | Gresy Eva Tresia | Indonesian Center for Animal Research and Development, Indonesia | Strategies for improving feed management of Batur sheep  on smallholder farmers in Batur District |
| 12 - 4 | Farhad Mirzaei | Aryan Rural & Nomads Animal Production Management Association, Iran | What policy and future do sheep and goats need in Iran |
| 12 - 5 | Abdur Rahman | Department of Animal Sciences, University of Veterinary and Animal Sciences, Jhang Campus, Pakistan | Evaluation of dried citrus pulp based total mix ration (TMR) for mutton (goat) production |
| 12 - 6 | Eleni Assegid Worku | Department of Animal and Range Science, Wolaita Sodo University, Ethiopia | Effects of supplementation with graded levels of pigeon pea foliage on the performance of Arsi-Bale goats fed a basal diet of maize stover treated with effective microorganisms |