



# 25<sup>th</sup> International Congress of the Mediterranean Federation for Health and Production of Ruminants

**Fe.Me.S.P.Rum.**



UNIVERSITÀ  
DEGLI STUDI DI NAPOLI  
FEDERICO II



Dipartimento  
**Medicina Veterinaria**  
Produzioni Animali



**C.Re.San.**  
Centro di Riferimento  
Regionale Sanità Animale

**Centre for Monitoring Parasitic Diseases**

**CREMOPAR**

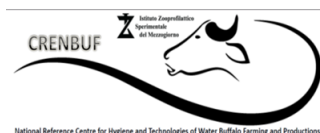
**Eboli (Salerno, Italy)**

**19<sup>th</sup> – 20<sup>th</sup> October 2023**

## Programme



Istituto Zooprofilattico  
Sperimentale del Mezzogiorno  
Campania | Calabria



ISTITUTO ZOOPROFILATTICO  
SPERIMENTALE DELLA SARDEGNA  
"G. PEGREFFI"

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DIPARTIMENTO DI  
MEDICINA VETERINARIA



**The scientific programme** (short oral and poster presentations) will cover all aspects of ruminant welfare, health and production:

- Physiology
- Welfare
- Production diseases
- Infectious diseases
- Nutrition
- Internal medicine
- Surgery
- Clinical pathology
- Parasitic diseases
- Heat stress
- Transboundary diseases
- Ruminant production in the Mediterranean basin
- Opportunities for scientific and professional cooperation in the Mediterranean region
- Education
- Reproduction
- Remarkable clinical cases
- Antimicrobial resistance
- Free topics

Numerous distinguished speakers will lecture on these topics.

## CONGRESS PROGRAMME

### 1<sup>st</sup> day – 19<sup>th</sup> October

#### 08:30 – 09:00 Registration

#### 09:00 – 09:30 Welcome Address

**Prof. Giuseppe Cringoli** – President Congress Organizing Committee

**Prof. Vincenzo Carcangiu** – President of Fe.Me.S.P.Rum.

**Prof. José Ramiro González Montaña** – Past-President of Fe.Me.S.P.Rum.

#### 09:30 – 10:00 Opening Ceremony

**Chairperson - Prof. Giuseppe Campanile** – Board of University of Naples Federico II

**Prof. Aniello Anastasio** - Director of Department of Veterinary Medicine and Animal Production, University of Naples Federico II

**Dr. Paolo Sarnelli** - Head of the Regional Operational Unit “Prevention and Veterinary Public Health”, Campania region

**Dr. Nicola Caputo** - Councilor for Agriculture, Campania region

**Dr. Antonio Limone** - Director General of the IZSM

**Dr. Giovanni Filippini** - Director General of the IZS Sardegna

**Dr. Augusto Calbi** - Regional Farmers' Association of Campania and Molise

**Prof. Gaetano Oliva** - President of School of Agriculture and Veterinary Medicine

#### 10:00 – 10:30 University education in support of the Mediterranean area

**Prof. Laura Rinaldi** - Erasmus+ and Internationalization of University: which opportunity?

**Prof. Serena Calabrò** - MUNA: a Network of Mediterranean and Middle East University to cooperate in research

**Prof. Gianluca Neglia** - Master Degree in Precision Livestock Farming: a possibility for students of Mediterranean area

#### 10:30 – 11:00 Coffee break

#### 11:00 – 12:30 Session: Ruminant welfare and production

**Chairpersons** – Prof. Vincenzo Carcangiu and Prof. Mehmet Erman Or

##### Keynote speakers

11:00 - 11:20

**Starič Jože** - Veterinary Faculty, University of Ljubljana

*Metabolic Stress in Dairy Cows: Implications for Dairy Cow Welfare*

11:20 - 11:40

**Paola Nicolussi** - Istituto Zooprofilattico Sperimentale della Sardegna - and **Alessandra Gaffuri** - Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna, CRN per il Benessere Animale

*Welfare in dairy sheep and goat farming: methodologies and assessment of critical points*

### **Oral communications**

11:40 - 11:50

Bilgiç B, Tarhan D, Erdoğan H, Erdoğan S, Pınar O, Ural K, Kayar A, Ercan AM, Or ME

*Investigating the copper-zinc ratio in calf pneumonia: insights from vitamin D and trace element analysis*

11:50 - 12:00

Alonso-Diez AJ, Martínez-Pastor F, Hefnawy Abd Elghany AE, Blanco-Fernández MA, Sanz-Jerónimo I, Cal-Pereyra LG, González-Montaña JR  
*Use of a portable electronic device to monitor metabolic status in sheep under field conditions*

12:00 - 12:10

Cantou I, Neimaur K, Abreu C, Scaglione F, Rodríguez P, Cal-Pereyra LG, González-Montaña JR

*Effect of prepartum shearing on some metabolic parameters of ewes and their lambs*

12:10 - 12:20

González-Montaña JR, Fernández-Olivera A, Martín-Alonso MJ, Domínguez JC, Alonso-de la Varga ME, Alonso Alonso P, Alegre-Gutiérrez B, Alonso-Diez AJ

*Clinical case: Mastitis in sheep flock. Diagnosis and control by somatic cells counting*

12:20 - 12:30

Biondi V, Meregaglia F, Previti A, Pugliese M, Passantino A, Cubeddu GM

*Maedi-Visna in dairy sheep in Sardinia: from animal welfare and legislative view-point*

12:30 – 13:30 **Session: Conservation of “ruminant” biodiversity in Mediterranean Basin**  
**Chairpersons** – Prof. Starič Jože and Dr. Antonello Carta

Keynote speakers

12:30 - 12:45

**Boubaker Bensmida** – Service Santé Animale, Commisariat Regional au Développement Agricole (CRDA) de Tataouine, Tunisia

*State-of-the-Art of dromedaries in Tunisian zootechnics*

12:45 - 13:00

**Antonello Carta** - AGRIS Sardegna

*Advances in understanding the genetic architecture of resistance to main diseases in sheep*

**Oral communications**

13:00 – 13:10

Cabras PA, Zidda C, Dore S, Orrù A, Deiana AM, Bandino E

*Enhancement of Sardinian breed goats in marginal areas: considerations relating to genetic heritage, resistance to pathologies, adaptability to the local environment and longevity*

13:10 – 13:20

Jacinto JGP, Gentile A, Sbarra F, Drögemüller C

*Frequency of deleterious mutations causing recessive disorders in Italian Chianina, Marchigiana and Romagnola cattle*

13:20 – 13:30

Scarcelli S, Buono F, Castaldo E, Varuzza P, Argenio F, Lepri E, Diaferia M, Pepe P, Maurelli MP, Veneziano V

*Dicrocoelium dendriticum in roe deer (Capreolus capreolus) in central Italy: distribution and risk factors*

13:30 – 14:30 **Lunch break**

14:30 – 16:00 **Session: Parasitic disease in ruminants**

**Chairpersons** – Prof. Pablo Díaz Fernández and Prof. Giuseppe Cringoli

Keynote speakers

14:30 – 14:45

**Pablo Díaz Fernández** - Faculty of Veterinary Sciences, Universidade de Santiago de Compostela

*Paramphistomidosis: an emergent parasitic disease of ruminants in Europe*

14:45 – 15:00

**Fabrizia Veronesi** – Department of Veterinary Medicine,  
University of Perugia

*Production and health impact of fly control in stable environment*

**Oral communications**

15:00 – 15:10

Masu G, Bonelli P, Serra E, Loi F, Buonanno M, Carvelli A, Cerioli MP, Crotti S, Danesi P, Iurescia M, Santi A, Rolesu S, Peruzzu A, Masala G, Piseddu T

*Development of an active surveillance system in Italy to estimate the real prevalence of Echinococcosis in sheep*

15:10 – 15:20

Khan MY, Barlaam A, Gazzonis AL, Ferrari N, Jiménez-Meléndez A, Robertson LJ, Giangaspero A

*Toxoplasma infection in goats in Pakistan; risk factors and public health significance*

15:20 – 15:30

Falzarano A, Bosco A, Scarano P, Prigioniero A, Maurelli MP, Rinaldi L, Cringoli G, Quaranta G, Claps S, Sciarrillo R, Guarino C

*Use of perennial plants in the fight against gastrointestinal nematodes of sheep*

15:40 – 15:50

Mancusi A, Giordano A, Bosco A, Girardi A, Proroga YTR, Rinaldi L, Capuano F, Cringoli G, Maurelli MP

*Development of highly sensitive digital droplet PCR for detection of Toxoplasma gondii in bovine meat*

15:50 – 16:00

Azara E, Longheu CM, Foddai A, Nives MR, Cillara G, Broccia S, Puddu G, Addis MF, Tola S

*Cloning, expression and purification of recombinant proteins from Staphylococcus aureus and their potential for vaccine development*

**16:00 – 16:30 Coffee break and Poster Session**

**16:30 – 20:00 Group visit to buffalo farm and Paestum Temples**

**20:00 Congress Dinner**

## 2<sup>nd</sup> day – 20<sup>th</sup> October

08:30 – 09:40 **Session: (Re-)Emerging ruminant infectious diseases**

**Chairpersons** – Dott. Ciriaco Ligios and Prof. Vincenzo Cuteri

### Keynote speakers

08:30 – 08:45

**Giovanni Savini** - Istituto Zooprofilattico dell'Abruzzo e Molise  
*EHDV-8: virus of a lesser God*

08:45 – 09:00

**Alessandra Martucciello** – National Reference Centre on Water Buffalo Farming and Productions Hygiene and Technologies - Istituto Zooprofilattico Sperimentale del Mezzogiorno  
*Brucellosis: recent advances and future challenges*

### **Oral communications**

09:00 – 09:10

López-Novo C, Prieto A, García-Dios D, Díaz-Cao JM, Remesar S, López-Lorenzo G, Fernández G, Morrondo P, Díaz P  
*Importance and variety of mixed infections in diarrhoeic neonatal calves from North-western Spain*

09:10 – 09:20

Pintus D, Scivoli R, Herder V, Rocchigiani AM, Maestrale C, Bechere R, Oggiano A, Palmarini M, Ligios C, Puggioni G  
*Experimental Bluetongue virus (BTV) infections in sheep using two different inoculum sources mimic fatal natural disease*

09:20 – 09:30

Attili AR, Gigli F, Guerrini A, Nocera FP, Corradini CM, Fiorito F, Cerracchio C, De Martino L, Cuteri V  
*Isolation of ESKAPE bacteria in healthy cattle, antibiotic resistance, and potential zoonotic risk*

09:30 – 09:40

Luridiana S, Mura MC, Ouadday M, Cosso G, Boubaker BS, Carcangiu V  
*30 years of melatonin use in Sardinian sheep: considerations*

09:40 – 10:15 **Coffee break and Poster Session**

10:15 – 11:15 **Session: Ongoing projects on ruminant sector**

**Chairpersons** – Dott. Antonello Carta and Dott. Augusto Calbi

**Oral communications**

10:15 – 10:25

Pugliese A

*Pathogenesis: from contagious diseases of antiquity to plagues, epidemics, pandemics and epizootic diseases*

10:25 – 10:35

Del Grosso D, Avallone C, Califano E, Cembalo D, Lavorgna L, Mainardi DJ, Salerno F, Volatile L

*Artificial insemination in Mediterranean Buffaloes: a field research in southern Italy*

10:35 – 10:45

Pepe P, Bosco A, Umhang G, Said Y, Baka R, Alterisio CM, Piegari G, Ciaramella P, Paciello O, D’Orilia F, Sarnelli P, Saralli G, Laatamna A, Lahmar S, Lightowlers MW, Deplazes P, Boué F, Sotiraki S, Rinaldi L

*Innovative and sustainable strategies to control Cystic echinococcosis in the Mediterranean area*

10:45 – 10:55

Di Vuolo G, Cappelli G, Serrapica M, Ambra CD, Vecchio D, De Carlo E, Lucchese L, Scali F, Lorenzi V, Bosco A, Lecchi C

*Risk categorization of antimicrobial and anthelmintic consumption in Italian Mediterranean buffalo farming - IZSME15/22 RC*

11:55 – 11:15

Calbi A

*The role of the “Sistema Allevatori” in Italian livestock farming*

11:15 – 13:00 **Fe. Me. S. P. Rum. General Assembly**

13:00 – 14:00 **Lunch break**

14:00 – 15:30 **Session: Sustainability of ruminant farms**

**Chairpersons** – Prof. José Ramiro González Montaña and Prof. Antonio Scala

Keynote speakers

14:00 – 14:15

**Antonio Bosco** - Department of Veterinary Medicine and Animal Production, University of Naples Federico II

*Sustainable approaches to parasite control in ruminants*

14:15 – 14:30

**Simone Dore** - Istituto Zooprofilattico della Sardegna, Centro di Referenza Nazionale per le Mastopatie degli Ovini e dei Caprini

*Sustainable practices for small ruminant mastitis management*

**Oral communications**

14:30 – 14:40

Vastolo A, Nocerino M, Kiatti D, Bosco A, Calabrò S, Cutrignelli MI, Rinaldi L

*In vitro evaluation of grape pomace in the diet of adult sheep*

14:40 – 14:50

Kiatti D, Vastolo A, Koura BI, Cutrignelli MI, Calabrò S

*Characterization of non-conventional feedstuff for ruminants' nutrition: case of cashew and pineapple by-products*

14:50 – 15:00

Hammami I, Ciuca L, Maurelli MP, Romdhane R, Rjeibi MR, Farhat N, Sassi L, Simo AK, Rinaldi L, Rekik M, Gharbi M

*First morphometric and molecular characterization of Fasciola spp. in Northwest Tunisia*

15:00 – 15:10

Scala A, Spezzigu A, Tamponi C, Cavallo L, Carta C, Sini MF, Nonnis F, Varcasia A

*Efficacy of treatments with macrocyclic lactones in different formulations against gastrointestinal nematodes of sheep in Sardinia, Italy*

15:10 – 15:20

Persichilli C, Biffani S, Senczuk G, Di Civita M, Bosco A, Cringoli G, Grande G, Pilla F

*Identification of Genetic Regions Associated with Resistance to Gastrointestinal Nematodes in Comisana Sheep using a Genome-wide Association Study based on EBV Ranking*

15:20 – 15:30

Amato R, Vitiello P, Bosco A, Rinaldi L

*Parasitological Evaluation of Diet Supplementation with Hemp (Cannabis sativa L.) Inflorescences in goat and in vitro Usage of Different Cannabis Extract: a preliminary study*

15:30 – 15:40

Ciccione E, Paola P, Cacciola NA, Campanile C, Bosco A, Maurelli MP, Oliva G, Guccione J, Rinaldi L

*Application of RNA technologies for improved control of cystic echinococcosis*

15:40 – 15:50

Altieri A, Gombia Y, Rossi D, Neri M, Carnovale F, Di Palo R

*Could a locomotion score be useful in the type trait assessment of the Italian Mediterranean Buffalo?*

16:00 – 17:00 **Closing ceremony**

## Poster Session

1. Diaferia M, Calgaro V, Moretta I, Gobbi M, Brustenga L  
*Preliminary results on the diffusion of Dicrocoelium spp. in roe deer from Central Italy*
2. Luridiana S, Mura MC, Ouadday M, Cosso G, Boubaker BS, Carcangiu V  
*Effect of MTNR1A gene polymorphism on the reproductive performance of sheep subjected to oestrus synchronization in different months of the year*
3. Jacinto JGP, Morini V, Habonimana G, Santucci S, Farina L, Gentile A  
*Mandatory permanent stabulation of ruminants in densely populated areas of Africa: practical and sustainable solutions implemented in Burundi*
4. Farina L, Morini V, Jacinto JGP, Habonimana G, Nyandwi D, Habonimana S, Gentile A  
*Twitezimbere project (Burundi): education of farmers on feed integration for ruminants in permanent stabulation and manufacturing of multivitamin blocks*
5. Allievi C, Villa L, Di Cerbo AR, Sommariva F, Zanini L, Gazzonis AL, Zanzani SA, Mortarino M, Manfredi MT  
*Neospora caninum antibodies in tank bulk milk from dairy cows in northern Italy: spatial analysis and effects on herd performances*
6. Carta C, Coghetto A, Meloni L, Tamponi C, Cavallo L, Zeinoun P, Sini MF, Nonnis F, Pentcheva P, Varcasia A, Scala A  
*A new report on the epidemiology of Oestrus ovis infection in sheep in Sardinia, Italy*
7. Cavallo L, Rekik S, Carta C, Tamponi C, Pentcheva P, Sini MF, Nonnis F, Bandino E, Varcasia A, Scala A  
*Broncho-pulmonary nematodes of sheep in Sardinia (Italy): direct parasitological surveys*
8. Scala A, Stevanato L, Coghetto A, Cavallo L, Carta C, Sini MF, Nonnis F, Zeinoun P, Pentcheva P, Ruiu A, Varcasia A, Tamponi C  
*Eimeriosis in dairy cattle in Sardinia (Italy): first epidemiological findings*
9. Franzoni G, Righi C, Dei Giudici S, Costantino G, Zinellu S, Oggiano A, Martucciello A, Feliziani F, Petrini S  
*Cytokine responses after Bubaline alphaherpesvirus 1 (BuAHV-1) infection in calves*

10. Coradduzza E, Scarpa F, Cacciotto C; Fiori MS, Rodriguez-Valera Y, De Pascale A, Azzena I, Casu M, Pintus D, Ligios C, Scagliarini A, Sanna D, Puggioni G  
*Genetic variation of ORF virus: a perspective based on the VIR gene with new data from the island of Cuba*
11. Amato R, Oteri M, Chiofalo B, Zicarelli F, Musco N, Sarubbi F, Pacifico S, Formato M, Lombardi P, Di Bennardo F, Iommelli P, Infascelli F, Tudisco R  
*Diet Supplementation with Hemp (Cannabis sativa L.) Inflorescences: Effects on Quanti-Qualitative Milk Yield and Fatty Acid Profile in Grazing Goats*
12. Ciuca L, Hammami I, Maurelli MP, Bosco A, Vitiello P, Rinaldi L  
*Snail borne infections in cattle in southern Italy -new insights into the biology and diagnosis of liver flukes*
13. Ciccone E, Bosco A, Nocerino M, Pepe P, Lattero N, Santaniello M, Umhang G, AbdElkarim L, Lahmar S, Said Y, Saralli G, Baka R, Sotiraki S, Lightowlers MW, Deplazes P, Boue F, Rinaldi L  
*Baiting stray dogs in an extra-urban area as innovative tool for an integrated control of cystic echinococcosis*
14. Kramberger B, Starič J  
*Environment enrichment possibilities for beef cattle*
15. Geč LV, Marzel R, Ježek J, Starič J  
*Acute stress response at disbudding in calves*
16. Spedicato M, Bechere R, Bonfini B, Maxia M, Manunta D, Coradduzza E, Pulsoni S, Portanti O, Falchi BM, Coccollone A, Giglio V, Ladu A, Franzoni G, Puggioni G, Ruiu A, Oggiano A, Savini G, Puggioni G  
*Evidence of the circulation of EHDV-8 in sheep in Sardinia*
17. D'Ambrosio R, Brunetti R, Pesce A, Cavallo S, Mandato D, Santaniello M, Buonanno M, Baldi L, Rinaldi L, Bosco A  
*Gastrointestinal nematodes of cattle and sheep: evaluation of anthelmintic resistance in farms of the Campania region*

## Abstracts

All abstracts of 25<sup>th</sup> Fe.Me.S.P.Rum. International Congress will be published in congress abstract book. Abstract will be reviewed and published in congress proceedings Web magazine available at Web magazine RUMINANTIA (<https://www.ruminantia.it/>).

Abstracts must be sent to the email: [25thfemesprumcongress@mvpa-unina.org](mailto:25thfemesprumcongress@mvpa-unina.org)

The abstract must be written in English and the oral presentation can be in English, Italian, Spanish or French.

For detailed information and guidelines for abstracts, please see the congress webpage:

<https://www.parassitologia.unina.it/25thfemesprumcongress>

**Deadline for submission of abstracts: 30<sup>nd</sup> September 2023**

**Notification of authors: 5<sup>th</sup> October 2023**

REGISTRATION (VAT is included in the fee)

Register here: <https://forms.gle/gmWSMhRBRC1fK9KD8>

	<b>EARLY (until 30<sup>th</sup> September 2023)</b>	<b>LATE</b>
<b>European delegate registration</b> (includes all coffee breaks, lunches, proceedings, workshops, welcome reception, congress banquet and congress tour)	300 EUR	350 EUR
<b>Extra-European delegate registration</b> (includes all coffee breaks, lunches, proceedings, workshops, welcome reception, congress banquet and congress tour)	250 EUR	300 EUR
<b>One day registration</b> (includes all coffee breaks, lunch, proceedings and welcome reception)	150 EUR (Thursday, Friday)	
<b>Graduate, postgraduate and PhD student registration</b> (includes all coffee breaks, lunches, proceedings, workshops, welcome reception, congress banquet, congress tour and International Training School)	150 EUR	200 EUR

\*In order to obtain the special fee for Graduate, postgraduate and PhD student registration, an approval letter signed by the head of the department or a student card must be sent by e-mail to [25thfemesprumcongress@mvpa-unina.org](mailto:25thfemesprumcongress@mvpa-unina.org)

Registration will be confirmed only upon full payment. Unpaid registrations will not be valid. Outstanding payments will be collected on-site and charged at the late rate.

Payment for registration to the congress must be made by deposit to the following current account (Cuteri Vincenzo, Fe.Me.S.P.Rum. treasurer):

IBAN: IT53H0347501605CC0010057811

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Specify in the payment details: Name and surname of the participant.

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### **Hotel San Luca**

SS 18 Tirrena Inferiore, 18, 84091 Battipaglia (SA)

Telephone: +39 0828 304595

e-mail:

### **Hotel Happy**

Via Istituto Orientale, 76, 84091 Battipaglia (SA)

Telephone: +39 0828 673312

e-mail:

Hotel reservations can be made via email and must be specified in the subject: "FEMESPRUM Congress".

The transfer to and from the congress venue is organised from both hotels.

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- Once landed and left the airport of Naples go by walk towards the Naples Capodichino airport terminal bus, in the avenue F. Rufo di Calabria, and take the bus ALIBUS to the Naples central train station in Piazza Garibaldi.

You can buy ticket in board for 5€. The bus leaves every 15 minutes.

- From Naples train station take a regional train to Battipaglia FS train station, located in Salerno province. The duration of the trip is about an hour and a half. It's possible to buy the ticket directly in the Naples central train station.
- From Battipaglia train station there will be a transfer waiting (organized by the congress) for you to reach the CREMOPAR or hotel by car.

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