

International Atomic Energy Agency

TC ARASIA RAS/5/063

“Improving the Reproductive and Productive Performance of Local Small Ruminants by Implementing Reliable Artificial Insemination Programmes”

REGIONAL TRAINING COURSE ON “ARTIFICIAL INSEMINATION IN SHEEP AND GOATS”

Sardinia, Italy

22-26 June 2015

Course Timetable

Monday 22 June 2015

09:00 – 10:00	Official opening	
10:00 – 11:00	Welcome session Dr Raffaele Cherchi, General Director of Agris-Sardegna (Agency for Research in Agriculture) Dr Sandro Delogu, Director of DIRPA (Department for Research in Livestock) Dr Maria Dattena, Course Director Dr Mario Garcia, IAEA Technical Officer	
11:00 – 11:30	<i>Coffee / Tea break</i>	
11:30 – 12:00	Technical programme of the week and overview of AGRIS-Sardegna	Dr M. Dattena
12:00 – 14:00	<i>Lunch break</i>	
14:00 – 15:00	Reproductive system of the female Anatomy, puberty, sexual behavior, ovary and folliculogenesis, estrus and ovulatory cycles, seasonality, fertilization and embryo development, gestation, postpartum sexual activity	Dr M. Dattena
15:00 – 16:00	Estrus detection, manipulation of estrus cycle and ovulation. Advantage and restrictions of artificial insemination in sheep and goats Classical AI techniques for sheep and goats: vaginal, cervical and trans-cervical	Dr M. Dattena

Tuesday 23 June

09:00 – 10:00	Animal Genetic Centre Major activities, working procedures and facilities Experiences on semen processing, packing and distribution	Dr. M. Dattena Dr M. Gallus
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10:00 – 12:30	Semen processing, packing and distribution	Dr M. Gallus
12:30 – 14:00	<i>Lunch break</i>	
14:00 – 15:00	Collection and preservation of sperm (sheep and goats) - Semen collection (training male, methods of semen collection) - Semen evaluation and semen quality - Storage and distribution of semen: fresh, chilled and frozen	Dr M. Dattena
15:00 – 16:00	AI results and factors affecting its performance	Dr M. Dattena

Wednesday 24 June

09:00 – 16:00	Visit to a sheep farm to illustrate the benefits of the artificial insemination programme
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Thursday 25 June

09:00 – 10:00	Preparing the animals for the breeding season with emphasis on the nutrition status	Dr G. Molle
10:00 – 12:30	Field visit	
12:30 – 14:00	<i>Lunch break</i>	
14:00 – 15:00	AIDA Asia and LIMA computer application: Tools for AI data monitoring	Dr M. Garcia
15:00 – 16:00	Practical work on artificial insemination	Dr M. Dattena

Friday 26 June

09:00 – 10:00	Selection of males for genetic improvement	Dr A. Carta
10:00 – 11:00	The Sardinia experience in relation to the ram effect on oestrous behaviour	Dr M. Dattena
11:00 – 11:30	<i>Coffee / Tea break</i>	
11:30 – 12:30	Animal identification as a key factor for an AI programme	Dr M. Garcia
12:30 – 14:00	<i>Lunch break</i>	
14:00	Official closing	