



TRAINING COURSE

Innovation to enhance the sustainability of sheep and goat production systems

Meknès (Morocco), 21-22 October 2019

Background

iSAGE (Innovation for Sustainable Sheep and Goat production in Europe) is a 4-year project supported by the European Union H2020 Research Programme. It started in 2016 by an international Consortium composed by 33 research and industry organisations from 7 countries. The ultimate objective of iSAGE is to make the sheep and goat sectors more sustainable, competitive and resilient. These improvements come from strong collaboration between industry and research institutions within the different working areas of the project: sustainability assessment, socioeconomic and consumers trends, climate changes assessment and adaptation, redesign of production systems and integration of innovative strategies, managing sheep and goat (genetic resources) and multi-actor communication.

The project is currently in its last period, and it is programming a series of training courses and workshops in several regions of Europe and the Mediterranean to disseminate and transfer to the different stakeholders of the sector the research and development approaches used and the results obtained by the project. This course is the first one of the series, and it will be complemented with an iSAGE workshop (23rd October) to present more synthetically the results of the project to wider audiences. The two iSAGE activities will be held back to back with the [1st Joint Meeting of the FAO- CIHEAM Networks](#) on Sheep and Goats and on Mediterranean Pastures, which will be organised from 23 to 25 October at ENA Meknès.

Organisation

This course is organised by the H2020 project Innovation for Sustainable Sheep and Goat Production in Europe (iSAGE) through the Mediterranean Agronomic Institute of Zaragoza (IAMZ-CIHEAM), with the support and collaboration of the Ecole Nationale d'Agriculture de Meknès (ENA)

Objectives

The main objective of the training course is to enhance the capacity of the sheep and goat sectors on the methods and technologies to improve sustainability.

Participants will be provided with an overview on the main areas that iSAGE has developed, so as to widen their understanding of the science that is contributing and will contribute to the sustainability of the small ruminant sector, and to be able to uptake and adapt the project methods of intervention and results to the sectors they are working with.

Participants

This course targets industry technicians, extension services, associations, public administrations and applied researchers who advise to the farmers and the industry. Attendants will come from North African countries (Algeria, Egypt, Mauritania, Morocco and Tunisia).

Languages: The course will be in English and French, with simultaneous interpretation into both languages.



PROGRAMME

21 OCTOBER	
8:30	Pick-up of participants in Meknès and transfer by bus to ENA
9:00 – 9:30	Welcome and presentation of the Programme The iSAGE project overview Said Amiri, Abdelhafid Keli (ENA), and Antonio López-Francos (IAMZ-CIHEAM, Spain)
9:30 - 11:00	Introduction to sheep and goat livestock systems - Challenges and opportunities for the sector Mohammed Bengoumi (FAO North Africa, Tunisia), Mohamed Mounsi (ENA Meknès, Morocco)
11:00 - 11:30	<i>Coffee break</i>
11:30 - 13:00	Use animal individual data to improve farm management in small ruminant Alejandro Belanche/ Ignacio Martin (CSIC, Spain)
13:00 - 14:30	<i>Lunch</i>
14:30 - 16:00	Impact of climate change and development of methods/models to predict impact of changes Agustín del Prado / Guillermo Pardo (BC3, Spain)
16:00 - 16:15	<i>Coffee break</i>
16:15 - 17:45	iSAGE model farm and challenging scenarios Agustín del Prado (BC3, Spain)
17:45	<i>Transfer to Meknès city</i>
22 OCTOBER	
8:30	Pick-up of participants in Meknès and transfer by bus to ENA
9:00 - 10:30	Breeding Strategies in Livestock to Adapt to Global Climate Changes Clara Díaz (INIA, Spain)
10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:30	Innovation and participatory research in sheep and goat farming Daniel Martín Collado (CITA, Spain), Leticia Riaguas (Oviaragón, Spain)
12:30 - 14:00	Assessing consumer needs and developing new products Raffaella Zanolli (UNIVPM, Italy)
14:00 - 15:00	<i>Lunch</i>
15:00 - 16:30	Working groups and discussion with stakeholders from the region: innovations for sustainability in sheep and goat production in North Africa Working groups (45'): (i) challenges to the systems; (ii) innovations being developed in each area: farm management, feeding, genetics, health, adaptation to climate change, organisation, commercialisation...; (iii) main barriers for innovation?; (iv) What iSAGE approaches and results could be adapted to North African systems? Feedback from groups and discussion (45')
16:30 - 17:00	Feedback and evaluation from participants
17:00	<i>Transfer to Meknès city</i>

Attendees to the course are cordially invited to participate in the iSAGE Workshop of the 23rd October afternoon and to the sessions of the FAO CIHEAM Networks meeting

Venue: Ecole Nationale d'Agriculture de Meknès (ENA)

Km10, Rte Haj Kaddour, BP S/40, Meknès 50001 Morocco. (Tel. +212 (0)535 300239/40/41)

Contact: Mediterranean Agronomic Institute of Zaragoza

E-mail: isage@iamz.ciheam.org