



## EU H2020 Project – iSAGE

### Workshop on Innovations for Sustainable Sheep and Goat Systems

#### Meknès (Morocco), 23-24 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 consumer trends, climate change 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 workshop is the first one of the series, and it will be held back to back with the [1<sup>st</sup> 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 the ENA Meknès.

#### Organisation

This workshop 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) and of the FAO-CIHEAM Networks on Sheep and Goats and on Mediterranean Pastures.

#### Objectives

The main objective of the workshop is to present and discuss with key end users in the region the latest research outputs from the project and gain feedback on future activities in research, dissemination and implementation.

Participants will be provided with an overview on the main results in the areas that iSAGE has been working in. Presentations of project results and proposals for innovation will be made in a synthetic and ready for uptake shape, and the participants will have the opportunity to debate and give their feedback.

#### Participants

This workshop is addressed to a wide range of public that can be potential users of the iSAGE results: farmers and farmers' representatives, technicians, extension services, public administrations officers and applied researchers. Apart from the participants invited, the Workshop is open to an international audience, including the FAO-CIHEAM Meeting attendants (most of them researchers) and other interested stakeholders.

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



## PROGRAMME

**23 October 2019, (14.30 – 18.30)**

14.30 - 14.45	Welcome by the iSAGE project The iSAGE project overview
14.45 - 15.15	<b>1.- Sustainability</b> How to define and measure sustainability (10') <i>A.Belanche/ I Martin (CSIC, Spain)</i> Challenges of climate change in the Mediterranean livestock systems (10') <i>A del Prado/G Pardo (BC3, Spain)</i> iSAGE model and scenarios for challenges (10'). <i>A del Prado/G Pardo (BC3, Spain)</i>
15.15 - 15.35	<b>2.- Improving consumer perception and consumption of sheep and goat products</b> <i>R. Zanoli (UNIVPM, Italy)</i> How to assess consumer and retailer views: a methodology (10') Identified best practices across the chain. iSAGE recommendations (10')
15.35 - 16.15	<b>Discussion on topics 1 and 2</b>
<b>16.15-16.45 : Coffee break</b>	
16.45 - 17.10	<b>3.- Innovative solutions to manage sheep and goat systems (breeding)</b> Optimal breeding strategies to enhance adaptability and profitability <i>C Diaz (INIA, Spain) (10')</i> Short external presentations (5' each) on local breeds and breeding: <ul style="list-style-type: none"><li>- Genomic bases of local adaptation in sheep and goats. (<i>B. Benjelloun, INRA, Morocco</i>)</li><li>- Marker assisted selection in Rasa Aragonesa sheep breed by using a SNP panel for parentage assignment. (<i>K Lakhssassi, CITA, Spain</i>)</li><li>- Investigating whole genome selection signatures in local Moroccan sheep. (<i>A. Ouhrouch Univ. Sultan Moulay Slimane-INRA Morocco</i>)</li></ul>
17.10 - 17.30	<b>4.- Innovative solutions to manage sheep and goat systems (Innovations/tools).</b> Innovations on farms – Participatory approach method and presentations of the iSAGE experiences (10'). <i>D Martín Collado (CITA, Spain)</i>
17.30 -18.15	<b>Discussion on topics 3 and 4</b>
<b>Conclusions and closure (18.15-18.30)</b>	

<sup>1</sup> Three participants will be requested to present their experiences on each topic, to enrich the debate. The presentations are selected between the free contributions submitted to the FAO CIHEAM Networks Meeting

**24 October 2019:** full day trip to Middle Atlas are to visit small ruminant production systems under grazing conditions (visit organised together with 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](mailto:isage@iamz.ciheam.org)**