
IMAGE

Innovative Management of Animal Genetic Resources

Grant Agreement Number: 677353

Horizon 2020 FRAMEWORK PROGRAMME

TOPIC: MANAGEMENT AND SUSTAINABLE USE OF GENETIC RESOURCES

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Type of Action: Research and Innovation Action (RIA)

DELIVERABLE D7.4

Deliverable title: First Post-graduate course

Abstract: Capacity building in conservation of genetic resources as well as in genebank management is one of the aims of IMAGE. In this framework, IMAGE experts are working with collaborators in Third party countries in order to develop post-graduate training events as well as forums for stakeholders. In March (5-9), a four day postgraduate course was organized in collaboration with local partners (INTA, UNMdP) in Balcarce, Argentina. The course lecturers were IMAGE experts. In addition, one day was dedicated to a meeting with local stakeholders.

Due date of deliverable: **M18**

Start date of the project: March 1st, 2016

Organisation name of lead contractor: ULISBOA

Contributors: ULISBOA, BOKU, INTA

Dissemination level: **PU**¹

Revision N°:

Actual submission date: **M24**

Duration: 48 months

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Executive Summary

Background	<p>T7.6 Third countries' capacity building: T7.6 is aimed at building third countries' capacity with seminars, exchange of procedures, visiting scientists, and training of post-graduate students.</p>
Objectives	<p>Organization of a post-graduate training course in Argentina, with the aim of building competences in the field of conservation and management of animal genetic resources. Furthermore, this event aimed to join local stakeholders to discuss and disseminate the goals of IMAGE project.</p>
Methods	<p>IMAGE experts presented lectures and moderated a stakeholders meeting. The lectures were also streamed live to researchers located in different locations in Colombia.</p>
Results & implications	<p>The event took place at Facultad de Ciencias Agrarias (UIB), Barcarce, Argentina, 5-9 March 2018. It gathered a total of 22 researchers from South America (16 from Argentina, 2 from Uruguay, 1 from Bolivia and 3 from Peru). Furthermore, the course was offered by live streaming to Colombia, allowing the participation of 15 researchers from CORPOICA located in different parts of the country. Finally the one day event for stakeholders was attended by 40 participants from industry, breeders associations and policy-makers. This event allowed the improvement of competences of researchers in this field of knowledge.</p>

First Post-graduate training course- Program

Postgraduate course “ Conservation of Animal Genetic Resources”Curso de Posgrado

Aim: Capacity building for managing and conservation of animal genetic resources. Provide lectures of conservation genetics, databases for genetic resources and importance of genebanks.

This course provided training on:

- 1- characterization of animal genetic resources
- 2- conservation strategies
- 3- biobanks (implementation and management)
- 4- stakeholders forum (9 March)

Lectures were given in Spanish.

Target: The course was attended by 22 researchers from South America (16 from Argentina, 2 from Uruguay, 1 from Bolivia and 3 from Peru). Furthermore, the course was offered by live streaming to Colombia, allowing the participation of 15 researchers from CORPOICA located in different parts of the country.

Results: The course was successful in engaging researchers regarding the need and importance of managing and conserving local animal genetic resources. The discussion with the stakeholders, mostly focused on the modalities to conserve, promote and improve local Creole breeds, was very productive in this sense, but no specific needs were mentioned that we could address in the framework of IMAGE. Overall, there was a clear message that Creoles should receive more attention from policy-makers (even though the situation has improved lately), and the local REDGEN is developing efforts in that direction. The satisfaction survey carried out among participants at the end of the course showed 100% excellent feedback.

Dates: 5-9 March 2018

Hora: 09.00 – 17.00

Venue: Facultad de Ciencias Agrarias (UIB), Barcarce, Argentina

Teachers:

Luis Telo da Gama. Faculdade de Medicina Veterinária, Universidade de Lisboa.

Maria Wurzinger. BOKU-University of Natural Resources and Life Sciences, Vienna, Austria.

Roswitha Baumung. Animal Production Officer, Animal Genetic Resources Branch. FAO

Maria Rosa Lanari – Instituto Nacional de Tecnología Agropecuaria (INTA) Argentina.

Programme:

Monday, March 5	
Teacher	Title
M. R. Lanari	Introduction (I)
M. Wurzinger	Introduction (II)
L. Gama	IMAGE project: goals and aims
M. Wurzinger	Why it is important to conserve animal genetic resources
<i>Break</i>	
R. Baumung	Identification and characterization of animal genetic resources
<i>Lunch</i>	
R. Baumung	Introduction to the DAD-IS resource
<i>Break</i>	
R. Baumung	Practical lesson: how to you use DAD-IS
Tuesday, March 6	
L. Gama	Genetic diversity – importance, definition and measurement criteria
<i>Break</i>	
L. Gama	Genetic characterization of animal genetic resources (I)
<i>Lunch</i>	
L. Gama	Genetic characterization of animal genetic resources (II)
<i>Break</i>	
L. Gama	Conservation of animal genetic resources
Wednesday, March 7	
L. Gama	Management of animal genetic resources
<i>Break</i>	
L. Gama	Practical examples of conservation and management of local animal genetic resources
<i>Lunch</i>	
M. Wurzinger	Community-based strategies for animal genetic improvement: animal conservation at local breeders level.
<i>Break</i>	
R. Baumung/M. Wurzinger	Practical lesson: Strategy design for conservation of breeds in risk of extinction (working in groups)
Thursday, March 8	
Presentations of the results of practical lesson	
<i>Break</i>	
Presentations of the results of practical lesson	
<i>Lunch</i>	
M. R. Lanari/ D. O. Bedotti	Presentation of REDGEN INTA
	Visit to the Genebank of local cattle breeds (Criollo) established at INTA in Balcarce
	Visit to the Bee Genebank (<i>Apis mellifera</i>)

Friday, March 9 –stakeholder workshop	
L. Gama	IMAGE project: goals and aims
<i>Break</i>	
Asociacion Ganado Criollo	Criollo cattle in Argentina
L. Gama	Diversity and genetic structure of Criollo breeds from south America
<i>Closing session</i>	