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March 2020



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Goat Science book has reached 15,000 downloads!

Congratulations to Sándor Kukovics!

The book he edited, Goat Science, has proven to be extremely popular! Chapters within the book were downloaded more than 15,000 times.

This widespread readership is a wonderful achievement and demonstrates the reach and usage of open access publishing through IntechOpen.

Visibility - more than 15,000 researchers worldwide have read, downloaded, and interacted with the content.

Impact - the research is clearly influencing the scientific community.

Connectivity - researchers around the world can connect with the research to further develop their projects.

Because this book is open access, it is more visible and discoverable than literature that is locked away behind paywalls.

Congratulations again to Sándor and the entire team.



IGA message to Chinese colleagues and beyond

Hello, I am Dr. Beth Miller, the president of the International Goat Association, a global organization of scientists, farmers and development experts dedicated to improved human welfare through a more organized goat sector. On behalf of our Board of Directors, and all of our members, I want our Chinese colleagues to know that we stand with you in solidarity during this difficult time of the COVID19 outbreak.

As scientists, we know the dangers of infectious diseases, and the need to prevent exposure. As people, we understand the terrible isolation resulting from travel restrictions, and the fear from hearing of new cases. All of us understand that travel is the best learning experience, and makes our research and policies more ro-

bust and effective. For now, we accept the limitations on travel to and from China, but we also know that we will be able to visit with you again in the future.



As more countries become affected, we ask IGA's Board members, Country Representatives, and Regional Directors to add their own messages of support on Facebook and Twitter.

Please know that your IGA friends and colleagues from around the world eagerly await the end of the outbreak, and the development of new tools for prevention and treatment, both in China and the other countries where new cases are being discovered such as Italy, Korea and Iran. Now more than ever, we can see the need for global cooperation so our countries and our families can thrive.

We commend the Chinese people on your patience and strength while facing this unprecedented situation. I look forward to returning to a time with safe and easy travel within and between countries. May you all enjoy good health and a quick return to a normal life, and working to advance goat health and production!

UPDATE - 13th International Conference on Goats, Sept. 14-17, 2020, Hungary



EGER / HUNGARY
14-17 SEPTEMBER,
2020



Dear Colleagues,

On behalf of the Board of International Goat Association and the Hungarian Sheep and Goat Dairying Public Utility Association, we are delighted to invite you to the **13th International Conference on Goats (ICG 2020)** to be held from 14 to 17 September 2020, in Eger, Hungary.

The conference aims to link research and production by sharing information, experience, and best practices. Scientists, researchers, advisors, technologists, farmers, producers, processors, vets, and all industry suppliers are warmly welcomed to the four-day event.

Venue

The picturesque town of Eger is located in the Western gate of the scenic Bükk Mountains. This thousand-year-old Episcopal seat, today an archiepiscopal center, is one of the most beautiful baroque towns in the country. Its inhabitants are proud of its illustrious

historical past and the valuable heritage of monuments and buildings.

Main topics

- Improving genetic merit for enhanced efficiency and preserve the goat biodiversity
- Current and emerging health issues for goat production
- Goat production systems of the future
- Optimization of feeding and nutrition
- Environment, climate change and goats
- Recent research and ongoing advances in goat products
- Market and societal avenues
- Global Eradication Program for *Peste des Petits Ruminants* (PPR): socio-economic context for planning

These topics will be discussed within the scientific sessions and symposia. Roundtables and workshops will enrich the program.

Call for Papers

Abstract submission

Interested applicants are invited to submit an abstract for oral presentation or poster via the online registration and abstract submission system no later than 1 April 2020.

For more details, visit <http://www.icg2020.org/call-for-papers/>

Invited speakers

We are pleased to announce that many speakers with well-known international reputations have already confirmed their participation in the conference.

More details: <http://www.icg2020.org/invited-speakers/>

Registration and accommodation

Please, register using the online registration system. The link and information about fees, payment method, and the cancellation policy is found here: <http://www.icg2020.org/registration/>.

Events

We are pleased to announce some special events as part of the conference:

- International goat milk products and cheese exhibition
- Book presentations: “Goat Science”, “Goats (Capra)” and “The role of meat in human consumption”

Special Event

The Organising Committee of the Conference is going to announce an international goat milk products contest. The event will be held on 14th September 2020 as a part of the Conference. The call will be published by 25 March 2020. It will specify the lists of establishments authorized to export food of animal origin to the European Union and other food safety regulations.

Conference Tours

We have put together a selection of tours: technical tours, pre- and post-conference tours. We not only want to introduce the goat breeds and goat products of Hungary, but we also offer a taste of Eger and other regions of our beautiful country - scenery, adventure, hospitality, and more.

All tour information is available on the home-page of the conference; tours can be purchased as part of your overall conference registration: <http://www.icg2020.org/conference-tours/>.



Continued on Page 3

UPDATE - 13th ICG, Sept. 14-17, 2020, Hungary (Continued from Page 2)



Social program

An interesting and colorful range of social programs will offer opportunities for delegates to meet friends as well as enjoy Hungarian cultural heritage.

Don't forget to register for the four evening events: Welcome Cocktail, Get-Together Party-BBQ, Wine tasting with dinner and Gala Dinner. A wonderful program is offered for accompanying persons. More details: <http://www.icg2020.org/accompanying-persons/>

Exhibition and sponsorship opportunities

ICG 2020 conference offers companies and organizations many convenient and effective ways to get any special product and/or service noticed by the attendees. The kit for exhibitors and

sponsors is available: <https://www.icg2020.org/exhibition-sponsorship/>

Please feel free to circulate this document among your colleagues and all those who can be interested in the event.

I am looking forward to meeting you in Eger, Hungary!

Best regards,
Prof. Dr. Sándor KUKOVICS
Chair of ICG 2020

Scientific meeting on colostrum, Gran Canaria, Spain, November 18 to 20, 2020

Registration and Abstract submission are now open!

Early registration is available until June 30th. [Register here.](#)

To download the abstract form file, [click here.](#)

Program

The meeting is structured in six main presentations (45+15 minutes), oral presentations (10+5 minutes), and poster presentations during the three days.

Awards will be given for the best oral and poster presentations by young scientists.

Visit the meeting website for more information, including hotel recommendations

<https://colostrum.ulpgc.es>

The main speakers are:

- Dr. Michael Steele (University of Guelph)



- Dr. Quesnel (INRA)
- Dr. Sangild (University of Copenhagen)
- Dr. Hammon (Leibniz Institute for Farm Animal Biology)
- Dr. Nicholas (Monash University)
- Dr. Collado (IATA-CSIC)

The main presentations topics are:

- Colostrum and calf gastrointestinal development and function
- Importance of sow colostrum for piglet survival and health
- Bovine colostrum as therapy for human patients

- Impact of colostrum feeding on gastrointestinal and systemic development in neonatal calves
- Exploiting the evolution of lactation; a comparative approach for new insights into the function of colostrum
- Human milk microbiota: what we really know about it?

We hope you will find this meeting interesting and that you will join us in Gran Canaria, Spain (November 18-20, 2020)

If you have questions, please feel free to contact us.

email: colostrum@ulpgc.es

Phone: +34928451094

Best Regards,
Organization committee (Noemi Castro and Anastasio Arguello, Presidents)
Scientific Committee (Rupert Bruckmaier, President)

Goat Project – Interactive Farm Villa Cabras, Colombia

Date: November 4, 2019

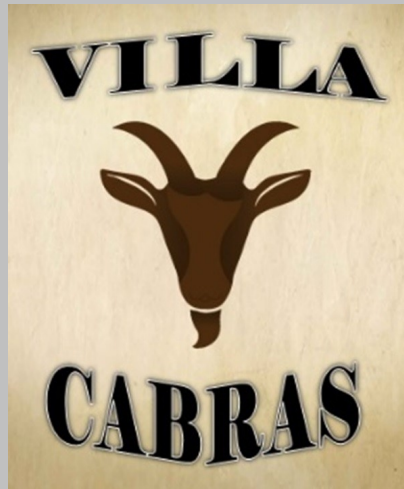
By: Bertha Cecilia Cardenas Sterling, Technician in administration and commercialization of perishable products, owner Interactive Farm Villa Cabras
 Jair Trujillo Trujillo, Business Administrator, owner Interactive Farm Villa Cabras
 Clara Viviana Rúa B, IGA Country Representative for Colombia

Location

Villa Cabras Interactive Farm is located in Chucuní, a village located 9 km from the city of Ibagué, the musical capital of Colombia, in the department of Tolima. In terms of the local climate, the summers are short and hot, the winters are short, comfortable, humid and wet, and it is cloudy throughout the year. During the course of the year, the temperature generally varies from 17 to 28 °C and rarely falls below 16 °C or rises above 31 °C. It rains throughout the year but the driest month is January, with 91 mm of rain. With an average of 233 mm, the highest monthly precipitation falls in October.

History

The Villa Cabras Interactive Farm goat project is a family business which was created in 2008. This ini-



tiative stemmed from the recommendation by the family pediatrician to supply goat milk to their youngest daughter who suffered from bronchopneumonia (a respiratory disease). Out of necessity and due to the health status of their daughter, the parents decided to buy their first goat. The number of goats kept increasing as neighbors and relatives began to ask for goat milk for their children and older adults for their health issues.

One hundred percent of the family income is derived from the Villa Cabras Interactive Farm project. The objective of the project is to provide consumers, who have been developing a tendency toward healthier eating habits, pasteurized goat milk (under artisanal pasteurization) in

glass bottles, facilitated through home sales in nearby towns and cities.

In 2014, the project diversified its activities through Agritourism, giving visitors the opportunity to explore and share a natural space with family and friends. Visitors also have the opportunity to interact with the goats and live a farming experience, thus generating environmental awareness, sensitivity and respect for natural resources and the rural sector. Similarly, based on the experience and knowledge acquired, training services and workshops for producers and students were offered along with technical advice for the establishment of goat projects.

Goat and sheep production system

At the Villa Cabras Interactive Farm, goat production is based on a drylot housing system where the animals are allocated to pens according to their production stage. The farm has an average inventory of 100 goats, predominantly females (adult and growing goats), followed by kids and bucks. The goats are mestizos, some of them with very predominant features from the La Mancha, Alpine and Saanen breeds. The farm counts with approximately 80 mestizos hair sheep, predominantly of the Creole or Sudan-type, with a few specimen

Continued on Page 6



Geographic location of the department of Tolima in Colombia, South America



Pasteurized goat milk from the Interactive Villa Cabras Farm

Proyecto Caprino – Granja Interactiva Villa Cabras, Colombia

Fecha: Noviembre 4 de 2019

Por: Bertha Cecilia Cardenas Sterling, Técnico en administración y comercialización de productos perecederos, propietaria Granja Interactiva Villa Cabras
 Jair Trujillo Trujillo, Administrador de empresas, propietario Granja Interactiva Villa Cabras
 Clara Viviana Rúa B, representante IGA Colombia

Ubicación

Granja interactiva Villa Cabras, se encuentra ubicada en la vereda Chucuní, a 9 km de la ciudad de Ibagué, capital musical de Colombia en el departamento del Tolima; allí los veranos son cortos y caliente; los inviernos son cortos, cómodos, húmedos y mojados y está nublado durante todo el año. Durante el transcurso del año, la temperatura generalmente varía de 17 °C a 28 °C y rara vez baja a menos de 16 °C o sube a más de 31 °C. Lluvee durante el año, sin embargo el mes más seco es enero, con 91 mm de lluvia; con un promedio de 233 mm, la mayor precipitación cae en el mes de octubre.

Historia

El proyecto caprino Granja Interactiva Villa Cabras, es una empresa familiar, la cual fue creada en el año



Geographic location of the department of Tolima in Colombia, South America



2008, la iniciativa surge a partir de la recomendación a los padres fundadores de esta empresa de suministrar leche de cabra a su hija menor, a partir de la consulta con el médico pediatra por enfermedad respiratoria (bronconeumonía), ante la necesidad y observando el estado de salud de su pequeña, los padres deciden comprar la primera cabra. El número de cabras fue aumentando a medida que los vecinos y familiares comenzaron a demandar la leche de cabra para los niños y adultos mayores con dificultades de salud.

El 100 % de los ingresos para esta familia dependen del proyecto Granja Villa Cabras, cuyo objetivo es brindar al consumidor que ha venido desarrollando la tendencia a tener hábitos de alimentación saludable, la

leche de cabra pasteurizada (bajo pasteurización artesanal), empackada en botella de vidrio y ofrecer la facilidad de adquirir el producto a través del servicio de venta a domicilio en los pueblos y ciudades cercanas.

En el año 2014, el proyecto se fortaleció y creación con una línea de Agroturismo permitiendo a los visitantes tener la oportunidad de conocer un espacio natural para compartir en familia y amigos, donde además tienen la oportunidad de interactuar con las cabras y vivir una experiencia granjera, generando conciencia ambiental, sensibilidad y respeto por los recursos naturales y el sector rural. De igual forma a partir de la experiencia y conocimientos adquiridos se implementó el servicio de capacitación y talleres a productores del sector, estudiantes, así como las asesorías técnicas para el establecimiento de proyectos caprinos.

Sistema de producción caprino y ovino

El sistema de producción de caprinos en la Granja interactiva Villa Cabras, es un sistema de estabulación completa, lo animales son clasificados en los corrales de acuerdo a sus etapas productivas. La granja cuenta con un inventario promedio de 100 animals

Continúa en la página 7



Pasteurized goat milk from the Interactive Villa Cabras Farm

Goat Project – Interactive Farm Villa Cabras, Colombia *(Continued from Page 4)*

of the Kathadin and Pelibuey breeds.

The farm has 0.4 ha dedicated to forages, the supplementation is made of chopped Angleton grass (*Dichantium aristatum*), orange peels, corn silage and of a balanced feed that is designed and prepared at the farm.

On average, there are 25 goats in milk for an average production of 40

liters per day, and 1.6 liters of milk per goat. Goats are milked mechanically in a set up allowing 12 goats to be milked simultaneously and in compliance with the sanitary protocol of Good Milking Practices (BPO).

Products and services

- The following dairy derivatives are produced: natural yogurt, Greek yogurt, kumis, cream

cheese with different flavors, natural peasant cheese or with spices, spun cheese, spun cheese roll with filling, semi-mature cheese, sweets, desserts, soap, and moisturizing and nourishing creams

- Goat and lamb meat, hamburgers, sausages (chorizos) and lamb tallow are also offered.
- Organic fertilizer (resulting from composting goat manure)



In addition to increasing the income derived from goat production, it is of great interest of the Villa Cabras Interactive Farm to promote the strengthening of the guild, to increase the consumption of goat-derived products, to successfully market goat by-products, and to contribute to the recovery of rural activities at the regional and national level.

Visit their fan page to learn more about this project, www.granjavillacabras.com. Facebook: Granja Villa Cabras



Group of people participating in the guided tours and courses taught by the owners of Villa Cabras Interactive Farm. On the right, demonstration at the milk processing plant, on the left demonstration of the equipment for the preparation of goat feed.



Family Villa Cabras Interactive Farm: Bertha, Jair, Maria Victoria, Santiago & Juan Pablo

Are you an IGA member?

You can pay your membership online through the [IGA Store](#) Now is a great time to join:

- IGA memberships are effective for 1 year from the date you join.
- All IGA memberships include online access to [Small Ruminant](#)

Research.

- Participate in IGA projects, such as the IGA Consulting Group.
- Access to the MEMBERS area of the IGA website, where you get exclusive information, access to IGA member documents, etc.
- Submit articles for publication in the IGA Newsletter.

- Opportunities for leadership and participation in IGA committees.
- IGA is the voice of goat researchers & producers at national & international levels.



Proyecto Caprino – Granja Interactiva Villa Cabras (Continued from Page 5)

caprinos, predominando las hembras (cabras adultas y cabretonas), seguido de las crías y los reproductores. Los caprinos son mestizos, algunos de ellos con tipo racial muy predominante de las razas La Mancha, Alpina y Saanen. Los ovinos son aproximadamente 80 animales son ovinos de pelo criollos o tipo Sudan, principalmente y se cuenta con algunos ejemplares de raza Kathadyn y Pelibuey.

Se cuenta con 0,4 hectáreas para la siembra de forrajes, se realiza una suplementación estratégica a partir

de heno de pasto Angleton (*Dichantium aristatum*) picado, cascaras de naranja, silo de maíz y se adiciona un alimento balanceado que es diseñado y preparado en la granja.

Cabras en ordeño en promedio son 25 para un promedio de producción 40 litros por día, y 1,6 litros de leche por cabra. Se realiza ordeño mecánico, en un equipo de cuatro puestos que nos permite ordeñar 12 cabras al mismo tiempo y el cumplimiento del protocolo sanitario de las Buenas Prácticas de Ordeño (BPO).

Productos y servicios

- Se elaboran los siguientes derivados lácteos yogurt natural, yogurt griego, kumis, quesos crema con diferentes sabores, queso campesino natural y con especias, queso hilado, queso hilado en rollo con relleno, queso semi-maduro, dulces, postres y jabón, crema hidratante y nutritiva.
- También se oferta carne caprina, carne de cordero, hamburguesas, chorizos y sebo de codero.
- Abono orgánico (resultado del proceso de compostaje de la caprinaza)

Para la Granja interactiva Villa Cabras, además de aumentar los ingresos a partir de la caprinocultura, es de gran interés promover el fortalecimiento del gremio, el aumento del consumo de los productos derivados de los caprinos, lograr el posicionamiento en el mercado de los subproductos caprinos y contribuir con la recuperación de la actividad rural a nivel regional y nacional en nuestro país.

Para conocer más de este proyecto



Group of people participating in the guided tours and courses taught by the owners of Villa Cabras Interactive Farm. On the right, demonstration at the milk processing plant, on the left demonstration of the equipment for the preparation of goat feed.

Family Villa Cabras Interactive Farm: Bertha, Jair, Maria Victoria, Santiago & Juan Pablo

Which membership is right for you?
We offer a variety of membership levels:

- **Basic IGA Membership*** = \$50
- **IGA Membership Plus*** = \$150
- **Student membership**** = \$10

- **Student Membership Extra*** = \$32.50
- **Lifetime membership for retirees (60 or older)**** = \$200

* These memberships include online access to SRR.

** These memberships do not include online access to SRR.

We also offer discounted memberships for people living in developing countries (see below).

Annual Conference of the SMARTER Project, Edinburgh (UK) 26-29 November

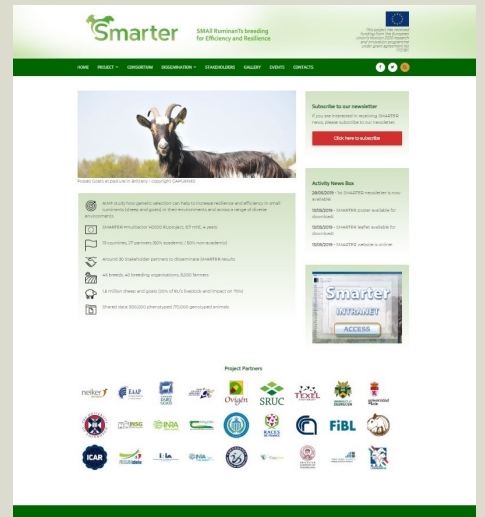
The recent meeting in Edinburgh (26-28 November) had a specific session organized with the stakeholders to develop a primary contact with them, introduce their organizations to the Work Packages (WP) Partners and collect their first views beneficial to the management of the project.

Such meeting has been the best opportunity to foster positive associations and interactions for the creation of a network able of keeping a uniqueness of the project but also to approaching innovation through a multi-expertise vision. The variety in the composition and in the field of actions of the stakeholders would have had a potential negative consequence on the project due to a lack of unique vision but such risk was deactivated by a shared approach and the awareness of having common interests and the recognition of being part of a single team.

On 27 November, a meeting of the stakeholders with the partners was entirely dedicated to the stakeholders' introductions of their respective organizations and to the listing of the expectation that each one has for the wished outcomes of the project. Some outcomes have been clearly

mentioned by many of them making such themes an agreed demand of the stakeholders. These, include:

- A higher productivity of the sheep and goat sector, primarily from an efficiency point of view but also environmentally and economically sustainable
- The improvement of the genetic elements for the milk and meat production, their quality and composition, both in sheep and goats
- The establishment of long-terms relations between breeders and research making possible the communication of different experiences
- The development of an international network for sharing ovine and caprine genetic information and experiences with different and local breeds. Tightly closed to this expectation is the achievement of an international genetic evaluation system that would benefit the whole sector and improve the efficacy of the genetic improvement programmes (International comparable breeding values)
- Incorporation of new genetic traits in breeding programmes such as health traits, reproduc-



tive traits and feed efficiency, to be achieved by the improvement of new traits for longevity, rusticity and resilience.

- The use of genomics, accomplished to genetic improvement programmes was broadly suggested by many stakeholders as a major outcome of the Smarter

More details on the SMARTER Project in the official site of the project at: www.smarterproject.eu.



Minutes of the SMARTER project Stakeholders' Meeting, November 27th, 2019

Participants in Edinburgh

Ana-Karin Gidlund (FACE Network, SW)

Beat Bapst, on behalf of Erika Bangerter (Schweizerischer Ziegenzuchtverband, CH)

Bertrand Bouffartigue (RDF, FR)

Fernando Freire (Assafe, ES)

Jean-Paul Dubeuf (IGA International Goat Association, FR)

Jette Jakobsen (Norwegian association of Sheep and Goat Breeders, NO)

Jose-Manuel Vidal (Inatega, ES)

Lourdes Mintegi (Confelac, ES)

Sandor Kukovics (Sheep Product Council, HU)

Participants on remote by video-conference (Zoom)

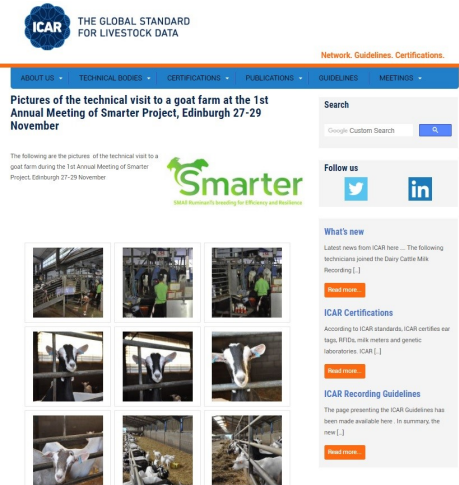
- Antoine Stouff (CNBL-FR)
- Erika Bangerter (Schweizerischer Ziegenzuchtverband, CH)
- Kristina Sandor
- Mauro Fioretti (AIA, IT)
- Paul Boettcher, FAO
- Sam Boon (AHDB, UK)
- Shannon Clarke (AgResearch, NZ)
- Wendy Jones (Nat. Sheep Ass., UK)

Zoom. They then introduced the reasons and the role of the stakeholder's platform, and the expected actions. A short presentation of the stakeholders was then introduced together with their range of activity for each of them.

Jean-Michel Astruc briefly summarised the steps that led to the selection of the present stakeholders, how they have been nominated (two surveys followed by email contacts with each of them). Some of them did not accept the role due to many reasons (insufficient number of staff, lack of funding, lack of specific competences, ...) and at the end 17 national and 8 trans-national stakeholders have been identified plus the 3 support stakeholders for a total of 28 organisations/companies, both academic, public or from private sector.

[READ THE FULL MINUTES.](#)

[See pictures of the technical visit to a goat farm at the 1st Annual Meeting of Smarter Project.](#)



Opening and introduction: presentation of the platform

The meeting has been opened at 16.30 Paris time.

Jean-Michel Astruc and Cesare Mosconi chaired the meeting and they briefly presented the project, informing of a preliminary meeting with the stakeholders held on 14 November by

Manual de Producción Caprinos y Ovinos

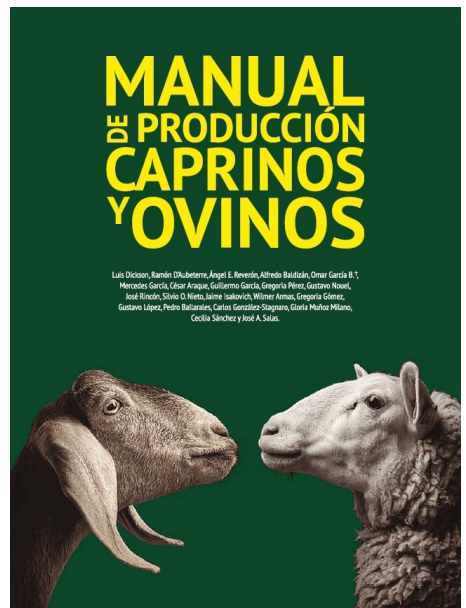
Prólogo

Esta interesante obra, constituye un verdadero manual para quienes se quieren adentrar en la producción de caprinos y ovinos y para quienes han iniciado esta noble y extraordinaria tarea y desean mejorar sus rebaños o profundizar en la investigación tecnológica de la cría de estas especies menores.

Los caprinos y ovinos fueron considerados “especies marginales” por múltiples razones: eran las comunidades pobres y/o nómadas quienes tenían pequeños rebaños; se consideraban especies depredadoras por su diversa ingesta vegetal; su carne no es muy abundante y su sabor poco apetecible; su producción láctea no competía con la bovina y un comentario muy particular, no era una especie que brindaba “status” a los productores ganaderos.

En la actualidad, producto del deterioro progresivo de los suelos; el incremento permanente de la temperatura y los elevados costos de las materias primas para la producción de alimentos, las miradas se han vuelto hacia estos animales de gran rusticidad, con poco ingesta diaria, fáciles de manejar bajo el esquema de silvo pastoreo o estabulación; con pequeños esfuerzos tecnológicos de cruces genéticos, poca infraestructura de corrales y ordeños; muestran una mayor y mejor eficiencia en el manejo cuando se le compara con la inversión y atención al ganado bovino; ocupan poco espacio; son una excelente opción para el manejo familiar por su docilidad; buen nivel de parición si se le compara con bovinos u otras especies, la leche es de excelente calidad.

Special thanks to Luis Dickson for sharing this information with IGA.



Sheep and Goat Research and Development of Ethiopia

Ayele Abebe, Debre Berhan Agricultural Research Center

SmaRT Ethiopia workshop and field day on Small Ruminant Community Based Breeding Program (CBBP)
Hosaena, Ethiopia, 27-28 March 2018

Outline for the national sheep and goat research

- Introduction
- Resource base and contribution
- Small ruminant research focus areas
- Summary of national research activities (breed improvement,

feeding, health, market linkage)

- Overview of small ruminant CBBP research in the country (consider some CBBP sites: no of farmers, cooperatives, animals in CBBP, major achievements and so on)
- Challenges and options
- Future direction
- The human population of Ethiopia by the down of 2017 is estimated to pass the 100 million mark (FAOSTAT, 2017).
- The projected human population is estimated at 106 and 129 million in 2020 and 2030, respectively. According to FAOSTAT (2017), 80.5% of the population are rural

dwellers.

Feeding this huge population sustainably could be a great challenge for the nation!!

[READ MORE...](#)



Sheep and Goat Research and Development of Ethiopia
Ayele Abebe, Debre Berhan Agricultural Research Center

SmaRT Ethiopia workshop and field day on Small Ruminant Community Based Breeding Program (CBBP),
Hosaena, Ethiopia, 27-28 March 2018



Mobilizing public-private partnerships in support of women-led small business development

Background

In Afghanistan, Kyrgyzstan, and Tajikistan, business development is based on informal connections, which discourages poor people - especially women - from starting businesses. This project established sustainable women-led businesses by supporting fiber processing and creating links

with international buyers.

What's Involved

Women's empowerment

By providing opportunities to increase incomes through activities known as women's work, the project challenged gender inequalities and raised women's incomes.

Public-private partnerships

Linking smallholder fiber processors with international buyers has opened new markets and business opportunities for rural women.

[LEARN MORE...](#)

Book of Abstracts, Joint Meeting of the FAO-CIHEAM, Meknès, Morocco, October 23-25, 2019

Joint Meeting of the FAO-CIHEAM Network for Research and Development in Sheep and Goats (Subnetworks on Nutrition and Production Systems) and the FAO-CIHEAM Subnetwork for the Research and Development of Mediterranean Pasture and Forage Resources

Efficiency and resilience of forage resources and small ruminant production to cope with global challenges in Mediterranean areas

Ecole Nationale d'Agriculture de Meknès, Morocco, 23 - 25 October 2019

Book of Abstracts

Framework and objectives of the

Meeting

The first Joint Meeting of FAO-CIHEAM's Networks is organised this year at Morocco's National School of Agriculture in Meknes. The event is of particular significance as it coincides with the 50th anniversary of IAMZ-CIHEAM. Secondly, it is the first joint meeting of the FAO-CIHEAM Network for Research and Development in Sheep and Goats (Subnetworks on Nutrition and Production Systems) and the FAO-CIHEAM Subnetwork for Research and Development of Mediterranean Pasture and Forage Resources. Thirdly, it addresses the efficiency and resilience of feed resources and small ruminant production in the light of global challenges in the Mediterra-

nean region.

[READ MORE...](#)



How to Make Paneer Cheese

A Traditional Paneer Cheese Recipe (this recipe works with either cow or goat milk)

Knowing how to make paneer cheese was a crucial skill for some Indian and Pakistani families. It provided quick, safe vegetarian protein to round out a

healthy meal. Making paneer is just as quick and healthy within modern kitchens.

Nuzy learned how to make paneer cheese from her father. Growing up in Pakistan, she had a cook for most meals. Her mother only made dishes

for special occasions. But her dad was the expert on paneer; Nuzy and her siblings gathered around and watched in fascination.

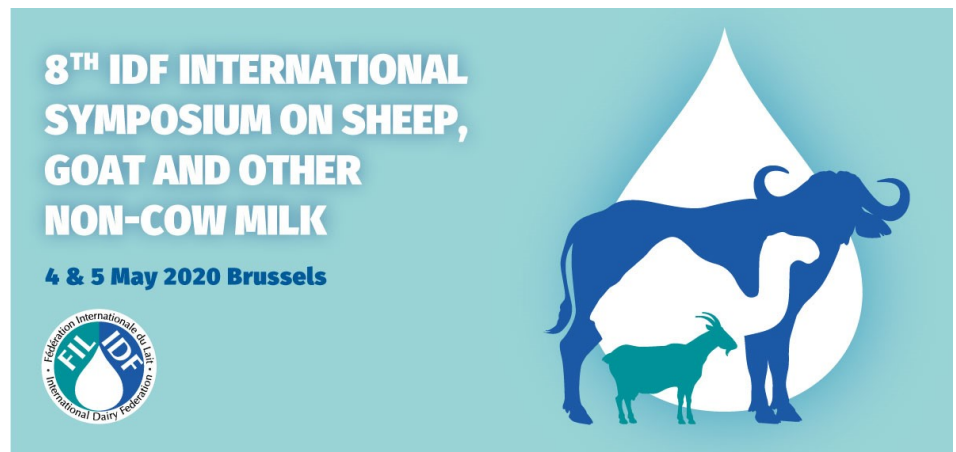
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8th IDF International Symposium on sheep, goat and other non-cow milk

May 4-5, 2020 - Belgium

IDF is bringing together the global dairy community to focus on "Sheep, Goat and other non-Cow milk" in Brussels.

Sheep, goats and other non-cow milk producing animals are widely distributed throughout the world. They contribute to sustainable livelihoods through support of the economy, rural and peri-urban livelihoods, the empowerment of women, and food security.



website: <https://www.fil-idf.org/sheepandgoat2020/>

Livre des résumés, Réunion conjointe du Réseau FAO-CIHEAM, Meknès, Morocco, 23 - 25 October 2019

Réunion conjointe du Réseau FAO-CIHEAM de Recherche et Développement sur les Ovins et les Caprins (sous-réseaux Nutrition et Systèmes de Production) et du sous-réseau FAO-CIHEAM de Recherche et Développement sur les Pâturages et Fourrages Méditerranéens

Efficiency and resilience of forage resources and small ruminant production to cope with global challenges in the Mediterranean region

Ecole Nationale d'Agriculture de Meknès, Morocco, 23 - 25 October 2019

Livre de Résumés

Cadre et objectifs de la Réunion
La 1ère Réunion Conjointe des Ré-

seaux FAO-CIHEAM organisée cette année revêt une importance très particulière. Premièrement, elle coïncide avec la célébration du 50ème anniversaire de l'IAMZ-CIHEAM.

Deuxièmement, elle constitue le premier colloque conjoint du Réseau FAO-CIHEAM de Recherche et Développement sur les Ovins et les Caprins (sous-réseaux Nutrition et Systèmes de production) et du sous-réseau FAO-CIHEAM de Recherche et Développement sur les Pâturages et fourrages méditerranéens.

Troisièmement, elle traite l'efficacité et la résilience des ressources fourragères et de la production de petits ruminants pour affronter les défis globaux dans la région méditerranéenne.

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