

## 2<sup>nd</sup> Colombian Congress and 1<sup>st</sup> International Seminar on Silvopasturing

Reforestación con ganadería, propuesta innovadora y sostenible

**Invited Countries**  
Brazil, Costa Rica,  
Chile, Cuba

July 31st and August 1st, 2012  
Plaza Mayor - Medellín, Colombia

### Sponsorship:

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SEDE MEDELLÍN

ORGULLO UN — 145 años

### Presentation

In Colombia, livestock production is an activity of great importance, especially in the department of Antioquia, which has the fourth place in the country's livestock inventory. Livestock has occupied large areas with acid and low-fertility soils and rugged relief with significant slopes as a result of deforestation. All this, in addition to the land use malpractices and livestock mishandling make cattle raising more vulnerable to globalization, competitiveness and the effects of climate variability.

This results in continued soil degradation as well as the implementation of production methods based on soil monoculture and inappropriate practices of fertilization and grazing management. Furthermore, commercial reforestation has a high potential in the country through the establishment of forestry plantations due to the biodiversity of the environment, which is manifested in high-growing rate of timber species, which results in high volumes of wood per hectare per year, higher than in temperate-zone countries and even several tropical competitor countries. This would place Colombia as a forested area, with significant involvement in the global industrial scenario of chipboard and plywood; and timber products.



The National University of Colombia and other institutions in the country have developed conclusive, systematic and relevant research for several years through silvopasturing, along with field experience in economically sustainable and environmentally-friendly livestock models.

The results of these studies demonstrate that silvopasturing systems, related to commercial reforestation, create productive efficiency in timber and livestock production under comprehensive management as a strategy to make reforestation and livestock sectors more competitive. Moreover they contribute to provide environmental services, as illustrated in the past I Colombian Congress on silvopasturing that was held in Medellín, in July 2009.

For these reasons, silvopasturing is presented as an alternative to improve forestry and livestock productivity, competitiveness and greenhouse gas (GHG) reduction, as a tool to cope with the impacts of global climate change through adaptation and mitigation aspects to be discussed during the second Colombian Congress and first International Seminar on Silvopasturing.

## General Objective

To strengthen the capacities of Antioquia and the country in the formulation, implementation and monitoring of the Development Plans, and that of the participants in the field of reforestation as an option for increasing comprehensive productivity of livestock and timber with environmental sustainability through silvopasturing and the promotion of competitiveness of forest, meat and dairy chains, for mass implementation of silvopasturing.

## Topics

1. Silvopasturing, livestock and climate change.
2. Silvopasturing Establishment, soils, fertilization and implementation costs.
3. Potential of commercial reforestation associated with silvopasturing.
4. Silvopasturing environmental services and marketing.

## Products

1. To strengthen and create new alliances among various official, academic and commercial institutional stakeholders for the implementation of silvopasturing related to reforestation in the country.
2. Proceedings of the 2nd Congress and 1st International Seminar on silvopasturing.

## Poster presentation

The call is open for poster presentation during the event in any of the topics and works related to silvopasturing. Deadline: July 15th. Information: [biorum\\_med@unal.edu.co](mailto:biorum_med@unal.edu.co) [www.unalmed.edu.co/~biorum](http://www.unalmed.edu.co/~biorum)

## Schedule. Day 1

7:00 to 8:00 a.m.  
Registration

8:00 to 8:30 a.m.  
Installation of the participants

8:30 to 9:15 a.m. Keynote Speech. Climate change: causes and possible impacts on livestock agroecosystems (Sara Mejia de Tafur, Colombia, MS - UN Palmira)

9:15 to 10:00 a.m. Keynote Speech. Forests shepherding and climate change, experience on the northern coast of Colombia (Socorro Cajas, Colombia, PhD-Corpoica)

10:00 to 10:30 a.m. Coffee Break

10:30 to 11:15 a.m. Keynote Speech. Forest-shepherding potential for animal production in Cuba (Jesus Iglesias, Cuba, PhD-ICA)

11:15 a.m. to 12:00 m. Keynote Speech. Silvopasturing, livestock and climate change in Costa Rica (Vesalio Mora, Costa Rica, MS - MAG)

12:00 m. to 2:00 p.m. Break for Lunch

2:00 to 2:45 p.m. Keynote Speech. Animal welfare in systems of silvopasturing (Jair de Araujo, Brazil, PhD-UFRB)

2:45 to 3:30 p.m. Keynote Speech. Forest-shepherding potential for animal production in Brazil (Jorge Ribaski, Brazil, PhD-EMBRAPA)

3:30 to 4:00 p.m. Coffee Break

4:00 to 4:45 p.m.: Keynote Speech. Silvopasturing: an alternative for sustainable livestock production that improves soil quality. (Victoria Vallejo, Colombia, PhD-U. Central)

4:45 to 5:30 p.m.: Keynote Speech. Grazing under plantations of *Pinus caribaea* in Pavones-Turrialba, Costa Rica. (Mauricio Scheelje, Costa Rica MS - CATIE)

5:30 to 6:30 p.m. Visit to posters

## Shedule. Day 2

8:00 to 8:45 a.m. Keynote Speech. Integration of Crop, Livestock and Forestry Systems with an emphasis on livestock production. (Roberto Giolo de Almeida, Brazil PhD-EMBRAPA)

8:45 to 9:30 a.m. Keynote Speech. Potential of commercial reforestation associated with silvopasturing reforestation in the northern coast of Colombia (Alfonso Giraldo, Colombia, Medellin PhD-UN Medellin)

9:30 to 10:00 a.m. Coffee Break

10:00 to 10:30 a.m.: Visit to Posters

10:30 to 11:15 a.m.: Keynote Speech. Potential and experiences of silvopasturing in Chile (Alvaro Sotomayor, Chile, PhD-INFOR)

11:45 a.m. to 12:00 m.: Keynote Speech. Environment and welfare of beef cattle in integrated systems of crop, livestock and forestry in Brazil (Fabian Villa, Brazil PhD, EMBRAPA)

12:00 m. to 2:00 p.m. Break for Lunch

2:00 to 3:00 p.m. Discussion of Posters

3:00 to 3:45 p.m. Keynote Speech. Management of trees for qualified timber production in silvopasturing (Alvaro Vallejo, Colombia, MS - Carbon Decisions International)

3:45 to 4:15 p.m. Coffee Break

4:15 to 5:00 p.m. Keynote Speech. Environmental services and marketing of silvopasturing (William Laguado, Colombia MS-Carbon & Forests)

5:00 to 5:30 p.m.: Keynote Speech. Development Plan of silvopasturing in the Department of Antioquia. (To be determined, Colombia - Secretary of Agriculture and Rural Development)

5:45 to 6:15 p.m. Conclusions and closing

6:15 to 7:30 p.m. Closing Cocktail

## General information

### Organized by

National University of Colombia. Medellin.

Faculty of Agricultural Sciences - BIORUM Group.

### Registration fees (in COP).

Professionals, timber producers, farmers and individuals: 350,000

Student of the National University of Colombia: 180,000

Students from other universities: 240,000

Please deposit your registration fee to the current account No. 097036947-54 Bancolombia, and confirm your payment to the fax + 57 - 4 - 230 04 20 or + 57 - 4 - 430 90 39.

### Contact Details

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### Sponsors

National University of Colombia, Medellin (Faculty of Agricultural Sciences), IUFRO, Secretary of Agriculture and Rural Development of Antioquia, COLCIENCIAS, CONIF, Madeflex, San Sebastian Reforestation Company, Faber & Castell.