

Segundo Coloquio de Silvicultura en Bosques Nativos – Establishing OSU as a cooperating partner

Project type: Education (in a broader sense)

Project objectives: The overall goal of this project is to establish Oregon State University as a cooperating partner that contributes to addressing regional forestry challenges in temperate forests of South America.

Narrative: Forestry in Chile has the reputation of being a successful enterprise in a globalized world. However, this reputation is based solely on the experience with fast growing tree plantations that utilize exotic tree species (i.e., mainly Eucalyptus spp. and Pinus radiata). In spite of the contributions of this aspect of forestry to the GNP of Chile, society in general and researchers in particular more and more acknowledge that native forests are declining in area and quality at the same time. Public institutions and research agencies have acknowledged that one of major challenges for the forestry sector is the need for recovery and increased productivity of native forests to provide an ample and diverse set of goods and services, including timber. For this reason, a group of scientists and public administrators have initiated efforts to develop and implement a research agenda to increase our understanding about restoration and management of native forests and to integrate native forests in a broader, more diverse, and sustainable forest sector. In this larger context the silviculture colloquium is a very important event. It is supported by basically all institutions that deal with temperate rain forests in the southern cone of America. Its goal is to provide a scientific framework and agenda to support decision makers and society.

The **Segundo Coloquio de Silvicultura en Bosques Nativos** is a high impact, high visibility event that brings together forestry professionals from Chile, Argentina, and other countries (e.g., see [http://www.parqueatalapi.cl/News.41.0.html?&L=1&cHash=71f60e6472&tx_t3blog_pi1\[blogList\]\[showUidPerma\]=162](http://www.parqueatalapi.cl/News.41.0.html?&L=1&cHash=71f60e6472&tx_t3blog_pi1[blogList][showUidPerma]=162)). An enclosed file contains the official invitation. It provides a list of 27 invited participants from almost all private and public forestry institutions in Chile, and from several public research institutions in the Argentinean Patagonia. Overall these institutions represent the two public forest institutions of Chile (INFOR and CONAF), researchers from 6 forestry schools in Chile (public and private), and the 4 main forest research and extension institutions in temperate forests of Argentina. In addition, several of highly respected forest managers will be synthesizing their experiences in silviculture of native forests from an operational perspective.

The topic of restoration and management of native forest is very timely and is receiving a lot of attention in professional and public discussions in South America. For example, the interest in the first colloquium and associated proceedings is evident from more than 3500 visits to the website <https://sites.google.com/site/alvaropromis/Home/libro-silvicultura-bosques-nativos>. We expect even higher interest in the second colloquium, e.g., the list of invited people has been expanded to include several young researchers who are currently pursuing their doctoral degrees or have obtained them recently.

The proposed project will increase the visibility of Oregon State University throughout the region, and establish OSU-CoF as a partner that is interested and able to help address critical forestry problems in Chile. The CoF's and OSU logo and contributions will be highlighted in advertisement, colloquial material, and the conference proceedings (e.g., potentially a foreword by the CoF Dean), which will be published as a book and will be available in paper copy and provided free on the internet.

The project consists of three components:

- 1) Oregon State University will be a major partner in ensuring the timely publication of the conference proceedings. This component will take advantage of the CoF's editorial shop and expertise. Caryn Davis has agreed to participate and will ensure a high quality product, that among others, will highlight and advertise OSU's role as a supporter of these efforts and potential opportunities for further cooperation.
- 2) Oregon State University will support participation of students in the colloquium. The proposed budget includes support to allow participation of
 - a. Daniel Soto, a Chilean PhD student at OSU. Daniel has a prominent role and crucial role in organization and management of the colloquium. By providing Daniel's travel cost, the CoF will benefit from his highly visible role. It will also advertise the opportunity for Chilean students to get their degree at OSU.
 - b. Chilean PhD., M.S.. or undergraduate students. Our goal is to allow at least one student from five forestry programs in Chile to participate in the colloquium (Universidad de Chile, Universidad Austral de Chile, Universidad Mayor, Universidad de Talca, and Universidad Católica). This will ensure that OSU's support of the colloquium will be advertised at numerous educational institutions. The PI, in conjunction with the colloquium organizing team (Pablo Donoso, Daniel Soto, and Alvaro Promis) will advertise the potential for OSU's support for students, review the student applications, and invite successful applicants as official "OSU sponsored students". Students with interest in studying or cooperating with OSU faculty will receive highest priority. Sponsored participants will write a summary of their experience at the colloquium that will be published in college and university newsletters, etc. at all participating institution (and hopefully also at OSU).

Role of partners:

Pablo Donoso, the leader of the organization of the Colloquium, will cover the costs of the travel to Chile of Klaus Puettmann. He will be the main coordinator and will be the lead in the publication efforts.

Daniel Soto is a co-leader, responsible for organizing the colloquium and editing the proceeding book. Daniel's participation will be partially (lodging and meals) by his research grant "Uso de la escarificación del suelo como técnica facilitadora de la regeneración en bosques adultos cosechados del tipo forestal coihue-raulí-tepa," with a budget of US\$3,000.

Alvaro Promis is also a co-leader involved in organization and publication efforts. Alvaro's and expenses for invited speakers and other expenses such as lodging, meals and ground transportation (US\$ 4,000) will be covered by additional external donor institutions (proposal in preparation to be submitted to Fondo de investigación Agraria-FIA Government of Chile).

All presenters (except invited speakers) and participants will not only contribute their time, but also travel and lodging costs are provided by their respective institutions.

Klaus Puettmann, in addition to two other North American researchers, will be a keynote speaker in the Colloquium. His travel to Chile will occur in the context of a progress review to discuss the variable-

density thinnings that Pablo Donoso is conducting in the research project entitled “Variable-density thinning study to enhance growth, heterogeneity and biodiversity: a stepping stone to achieving sustainable forest management in second-growth forests?” (2015-2019). Klaus is an international research cooperater on this grant, which includes a budget of US\$ 3000 to cover Klaus’ travel costs and other incidental expenses.

Timeline:

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|--------------------------|---|
| July – August 2015 | Advertise student opportunities for participation |
| November – December 2015 | D. Soto participation in colloquium organization |
| December 11-12, 2015 | Segundo Coloquio de Silvicultura en Bosques Nativos |
| | Collect powerpoint presentations |
| January - April 2016 | Collect proceeding contribution, |
| April – May 2016 | Review and feedback from editors |
| June-August 2016 | Revised book proceedings |
| August-Sep. 2016 | Proceeding publication layout |
| December 2016 | Proceeding published |

Segundo Coloquio de Silvicultura en Bosques Nativos

Introducción

En diciembre del año 2011 se organizó el primer Coloquio de Silvicultura en Bosques Nativos en el parque Katalapi, al cual asistieron aproximadamente 20 investigadores. En este coloquio hubo 11 presentaciones, y de éstas finalmente ocho se transformaron en capítulos del libro “Silvicultura en Bosques Nativos. Avances en la investigación en Chile, Argentina y Nueva Zelandia”, editado por Pablo Donoso y Álvaro Promis el año 2013.

El ánimo de los Coloquios es el de reunir científicos nacionales y extranjeros, cuya investigación esté orientada a la silvicultura y ecología de los bosques nativos, con el fin de discutir y potenciar la investigación en esta disciplina y su aplicación práctica. Al mismo tiempo, un objetivo muy importante que nos hemos impuesto es el de publicar estos avances científicos en silvicultura de bosques nativos en Chile y en otros bosques templados del hemisferio sur, aunque también la idea es publicar estudios o revisiones relevantes para avanzar en la silvicultura de nuestros bosques templados en general.

En el libro editado a partir de las presentaciones realizadas en el I Coloquio se publicaron estudios sobre silvicultura y ecología aplicada en bosques templados de Chile, Argentina y Nueva Zelandia, así como estudios en biometría y diagramas para el manejo de la densidad. Para la edición del primer libro se imprimieron un total de 250 ejemplares, los que se encuentran totalmente vendidos o repartidos. Sin embargo, para aumentar la difusión del libro y sus capítulos, los archivos se dispusieron para ser bajados gratis desde algunas páginas en internet. De esta manera, se suman alrededor de 3.500 visitas a una de las páginas web, de las que 1.800 corresponden a accesos desde el extranjero, visitas que seguramente consideran obtener copia del libro o de alguno de sus capítulos .

Para este Segundo Coloquio, programado para diciembre de este año 2015, en términos generales se plantean los mismos objetivos específicos considerados en el Primer Coloquio: a) Presentar los avances de las investigaciones en bosques nativos de Chile y de países del extranjero relacionados, tanto en la modalidad de estudios específicos de campo como de revisiones sobre temas amplios, y b) Potenciar oportunidades de cooperación entre investigadores en silvicultura de bosques nativos templados en Chile y el hemisferio sur. No obstante, para el desarrollo de este Segundo Coloquio se plantean dos focos principales que delimitan el grupo de científicos invitados. Estos focos son:

1. Silvicultura en bosques nativos (adultos, renovales), incluyendo silvicultura clásica como alternativa (promoción de diversidad estructural, variabilidad a pequeñas escalas, silvicultura de especies mixtas, etc).
2. Silvicultura para la recuperación de bosques degradados.

From: Alvaro Promis [<mailto:alvaro.promis@gmail.com>]
Sent: Sunday, June 07, 2015 3:29 PM
To: Justice, Michele
Cc: Daniel P. Soto; Pablo Donoso H.; Puettmann, Klaus
Subject: confirmation of participation in Cooperation Project submitted by K Puettmann

Der Michele Justice,

With this message, I confirm my participation and cooperation to the project submitted by Klaus Puettmann, to establish Oregon State University as a cooperating partner for the "Segundo Coloquio de Silvicultura en Bosques Nativos", which will be held in Chile during December 2015.

Kind Regards

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Dr. Alvaro Promis
Profesor Asociado

Departamento de Silvicultura y Conservación de la Naturaleza
Universidad de Chile
Phone:+56-2-29785978 / 29785721
Fax:+56-2-25417955
E-mail: alvaro.promis@gmail.com
URL: <http://sites.google.com/site/alvaropromis/Home/cv-alvaro-promis>

ECOVEG - Grupo de Investigación Aplicada en Ecología y Conservación de la Vegetación
<http://ecoveg.forestaluchile.cl/index.html>

From: Daniel P. Soto [<mailto:dsoto79@gmail.com>]
Sent: Sunday, June 07, 2015 9:44 AM
To: Justice, Michele
Cc: Puettmann, Klaus
Subject: Silviculture colloquium proposal in Chile

Hello Michele:

I am writing to confirm my participation and cooperation in the proposal submitted by Klaus Puettmann about the silviculture colloquium in Chile. Please let me know if you need additional information.

Best regards,

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Daniel P. Soto
Ph.D. student, Oregon State University
Department of Forest Ecosystems and Society
303 Richardson Hall, Corvallis, OR 97331 USA
Web: <http://sites.google.com/site/danielsotohomepage/>

From: Pablo Donoso H. [<mailto:pdonoso@uach.cl>]

Next

Last

Sent: Monday, June 08, 2015 4:34 AM

To: Justice, Michele

Cc: Puettmann, Klaus

Subject: Confirmation of participation in Cooperation Project submitted by K Puettmann

Dear Michele Justice:

With this message, I confirm my participation and cooperation in the project submitted by Klaus Puettmann, to establish Oregon State University as a cooperating partner for the "Segundo Coloquio de Silvicultura en Bosques Nativos", which will be held in Chile during December 2015.

Kind Regards

Pablo J. Donoso

Professor

Department of Forests and Society

Faculty of Forest Sciences and Natural Resources

Universidad Austral de Chile

Budget:

1) Proceedings/book

Editing (english abstract, etc.)

\$1,800 (40 hours; \$ 33.33333)

Layout

\$3,000 (6 pages/hour; 400 pages, \$45 per hour)

2) Student participatin

D. Soto

\$1,700

Chilean PhD students

\$1,000 (5 students/\$ 200)

Project total:

\$7,500