


May 2012

	منظمة الأغذية والزراعة للأمم المتحدة	联合国 粮食及 农业组织	Food and Agriculture Organization of the United Nations	Organisation des Nations Unies pour l'alimentation et l'agriculture	Продовольственная и сельскохозяйственная организация Объединенных Наций	Organización de las Naciones Unidas para la Alimentación y la Agricultura
---	--	--------------------	---	---	---	--

NORTH AMERICAN FOREST COMMISSION

TWENTY-SIXTH SESSION

Quebec City, Quebec, Canada, 8 - 9 May 2012

FOREST GENETIC RESOURCES WORKING GROUP REPORT

1. WORKING GROUP COMPOSITION OF THE FOREST GENETIC RESOURCES WORKING GROUP (FGRWG)

Chairperson	Country	Organization
Jean Beaulieu	Canada	Natural Resources Canada
Member Names	Country	Organization
J. Jesús Vargas Hernández	México	Colegio de Postgraduados
Javier López Upton	México	Colegio de Postgraduados
Cuauhtémoc Sáenz Romero	México	Universidad Michoacana de San Nicolas de Hidalgo
J. Brad St.Clair	USA	Forest Service-USDA
Kurt H. Johnsen	USA	Forest Service-USDA
Sally Aitken	Canada	The University of British Columbia
Tannis Beardmore	Canada	Natural Resources Canada

This document is printed in limited numbers to minimize the environmental impact of FAO's processes and contribute to climate neutrality. Delegates and observers are kindly requested to bring their copies to meetings and to avoid asking for additional copies. Most FAO meeting documents are available on the Internet at www.fao.org

2. (A) LIST OF ACTIVITIES COMPLETED DURING THE PAST TWO YEARS

Activity	Location/Journal	Date	Status (done/ongoing)
Publication of the scientific paper "Altitudinal genetic variation among <i>Pinus patula</i> populations from Oaxaca, Mexico, in growth chambers simulating global warming temperatures" (Tasks 46 & 51)	Agrociencia	April 2010	Done
Publication of the scientific paper "Characterization of populations of <i>Pseudotsuga menziesii</i> (Mirb.) Franco in central Mexico. implications for conservation" (Task 42)	Rev. Fitotecnia Mexicana	June 2010	Done
Publication of the scientific paper "Projections of suitable habitat for rare species under global warming scenarios" (Tasks 41 and 51)	American Journal of Botany	June 2010	Done
Talks on "Ex situ conservation in Mexico" and "Ex situ conservation in Canada". IUFRO Tree Seed Symposium on ex situ conservation	Taipei, Taiwan	August 2010	Done
Publication of the scientific paper "Response of <i>Pinus pincea</i> Gordon to drought and high temperature stress" (Task 39)	Rev. Fitotecnia Mexicana, Mexico	September 2010	Done
Attend an Integrated Working Groups Meeting with BOA	Ottawa, ON, Canada	October 13-15, 2010	Done
Publication of the scientific paper "Spline models of contemporary, 2030, 2060 and 2090 climates for Mexico and their use in understanding climate-change impacts on the vegetation" (Task 51)	Climatic Change	October 2010	Done
Publication of a new edition of "Manejo de Recursos Genéticos Forestales"	CONAFOR	November 2010	Done
Publication of the scientific paper "Genetic variation among <i>Pinus patula</i> populations along an altitudinal gradient. Two environment nursery tests"	Rev. Fitotec. Mex.	March 2011	Done
Publication of the scientific paper "Carbon isotopic composition in foliage of <i>Pinus pincea</i> Gordon seedlings subjected to water and temperature stress" (Task 39)	Agrociencia	March 2011	Done
Organize the XXXIII meeting of FGRWG	Otto, NC USA	April 11-15, 2011	Done

Integrate recommendations for conservation of the Mexican Piceas (Task 41)	Mexico	April 2011	Ongoing
Publish the scientific paper “Range-wide chloroplast and mitochondrial DNA imprints reveal multiple lineages and complex biogeographic history for Douglas-fir” (Task 42)	Tree Genetics & Genomes	April 2011	Done
Publication of the Spanish version of “Conservation Genetics” notes (Task 47)	CONAFOR	May 2011	Done
Participate in integrating the Country Report for the State of the World's (SoW) Forest Genetic Resources	Mexico, USA, Canada	May 2011	Ongoing
Publication of the scientific paper “Root growth in young plants of <i>Pinus piceana</i> Gordon in response to soil moisture” (Task 39)	Agrociencia	June 2011	Done
Update the FGRWG webpage (Task 38)	NAFC website	July 2011	Ongoing
Publication of « United States, Mexico and Canada address conservation of valuable forest genetic resources”	What’s New? The US Forest Service International Program	July 2011	Done
Publication of the scientific paper Genetic variation in needle epicuticular wax characteristics in <i>Pinus piceana</i> seedlings. (Task 39)	Silvae Genetica	November 2011	Done
Publication of the scientific paper “Genetic diversity and differentiation of <i>Pseudotsuga menziesii</i> (Mirb.) Franco populations in México” (Task 42)	Rev. Fitotecnia Mexicana	December 2011	Done
Publication of the scientific paper “Strategies for conserving forest genetic resources in the face of climate change” (Task 54)	Turkish Journal of Botany	December 2011	Done
Publication of a series of scientific papers on “Assisted tree migration and climate change”	Forestry Chronicle	December 2011	Done
Webinar “Assisted migration activities in the United States for adapting to climate change” (Task 54)	CONFORGEN	February 2012	Done
Publish the scientific paper “ <i>Abies religiosa</i> habitat prediction in climatic change scenarios and implications for monarch butterfly conservation in Mexico” (Task 51)	Forest Ecology and Management	March 2012	Done

Submission of the scientific paper "Projections of suitable habitat under climate change scenarios: Implications for trans-boundary assisted colonization" (Task 41)	American Journal of Botany	April 2012	Ongoing
Organize the XXXIV meeting of FGRWG	Quebec, QC, Canada	May 7-10, 2012	Ongoing

2. (B) PLANNED ACTIVITIES FOR NEXT TWO YEARS

Activity	Location	Date	Status (ongoing/new)
Organize the XXXV meeting of FGRWG	TBD	2013	New
Participate in integrating the Country Report for the State of the World's (SoW) Forest Genetic Resources	Mexico, USA, Canada	2012	Ongoing
Integrate recommendations for conservation of the Mexican Piceas	Mexico	2012	Ongoing
Carry on active WG tasks	Mexico, USA, Canada	2012-2013	Ongoing

3. WORKING GROUP FINANCIAL INVESTMENTS AND/OR NETWORKING

(PERIOD MAY 2010 - MAY 2012)

Activity	Amount U.S. \$ (cash)	Amount U.S. \$ (in-kind)
Translation of the minutes to French	\$2000	

4. REQUEST FOR FUNDING AND/OR OTHER SUPPORT

- Funds to extend ClimateNWA developed in British Columbia to Mexico.
- Fellowship for a post-doc fellow with GIS skills to look at the range of current and future climates within seed zones that have already been delineated for tree species in North America.