


July 2013

	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
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NORTH AMERICAN FOREST COMMISSION

TWENTY-SEVENTH SESSION

Madison, Wisconsin, USA, 16 - 18 October 2013

REPORT OF THE FOREST GENETIC RESOURCES WORKING GROUP

PERIOD: MAY 2012 – OCTOBER 2013

1. WORKING GROUP COMPOSITION

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

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

Activity	Location	Date	Status (done/ongoing)
<i>Organize the XXXIV meeting of FGRWG</i>	<i>Quebec, QC Canada</i>	<i>May 7-10, 2012</i>	<i>Done</i>
<i>Update the FGRWG webpage (Task 38)</i>	<i>NAFC website</i>	<i>June 2013</i>	<i>Ongoing</i>
<i>Provide recommendations for conservation of the Mexican spruces – draft recommendations are prepared (Task 41)</i>	<i>Mexico</i>	<i>June 2013</i>	<i>Ongoing</i>
<i>Publication of the scientific paper “Projections of suitable habitat under climate change scenarios: Implications for trans-boundary assisted colonization” by Ledig et al. (Tasks 41, 54)</i>	<i>American Journal of Botany</i>	<i>June 2012</i>	<i>Done</i>
<i>Translate and integrate abstracts of Mexican publications (theses) on forest genetic resources – abstracts translated to English and information summarized in Excel spreadsheet (Task 44)</i>	<i>Mexico-USA</i>	<i>2012-2013</i>	<i>Ongoing</i>
<i>Publication of the scientific paper “Review of science based assessments of species vulnerability: contribution to decision-making for assisted migration” by Beardmore & Winder (Task 51)</i>	<i>The Forestry Chronicle</i>	<i>December 2011</i>	<i>Done</i>
<i>Publication of the scientific paper “Ecological implications for assisted migration in Canadian forests” by Winder et al. (Task 54)</i>	<i>The Forestry Chronicle</i>	<i>December 2011</i>	<i>Done</i>
<i>Publication of the scientific paper “The implementation of assisted migration in Canadian forests” by Pedlar et al. (Task 54)</i>	<i>The Forestry Chronicle</i>	<i>December 2011</i>	<i>Done</i>
<i>Publication of the scientific paper “Placing forestry in the assisted migration debate” by Pedlar et al. (Task 54)</i>	<i>BioScience</i>	<i>September 2012</i>	<i>Done</i>
<i>Publication (in press) of a scientific review paper “Assisted gene flow to facilitate adaptation to climate change” by Aitken and Whitlock. Concludes that assisted migration within species ranges is particularly appropriate for forest trees. (Task 54)</i>	<i>Annual Review of Ecology, Evolution and Systematics</i>	<i>2013</i>	<i>Done</i>
<i>Publication of the scientific paper “Spline models of contemporary, 2030, 2060 and 2090 climates for Michoacán state, México; impacts on the vegetation” by Sáenz-Romero et al. (Task 54)</i>	<i>Revista Fitotecnica Mexican</i>	<i>2012</i>	<i>Done</i>

<i>Publication of the scientific paper "Development of high-density SNP genotyping arrays for white spruce (Picea glauca) and transferability to subtropical and Nordic congeners" by Pavy et al. This paper presents DNA markers that are useful across national boundaries for research in population genetics.</i>	<i>Molecular Ecology Resources</i>	<i>March 2013</i>	<i>Done</i>
<i>Participation in integrating the Country Reports for the State of the World's Forest Genetic Resources (SoWFGR)</i>	<i>Mexico, USA, Canada</i>	<i>April 2013</i>	<i>Done</i>
<i>Publication of the "Country Reports on the State of Forest Genetic Resources." A separate report will be published for each county.</i>	<i>FAO publications (not yet officially released) Mexico, Canada, USA</i>	<i>September 2013</i>	<i>Ongoing</i>

2. (B) PLANNED ACTIVITIES FOR THE NEXT TWO YEARS

Activity	Location	Date	Status (ongoing/new)
<i>Organize the XXXV meeting of FGRWG.</i>	<i>Guadalajara City, Mexico</i>	<i>November 4-8, 2013</i>	<i>New</i>
<i>Provide recommendations for conservation of the Mexican spruces. (Task 41)</i>	<i>Mexico</i>	<i>2013</i>	<i>Ongoing</i>
<i>Translate and integrate the abstracts of Mexican publications (thesis) on Forest Genetic Resources – prepare index of abstracts with keywords and post abstracts on FGRWG website. (Task 44)</i>	<i>Mexico-USA</i>	<i>2013</i>	<i>Ongoing</i>
<i>Participate in integrating the Country Reports for the State of the World's Forest Genetic Resources (SoWFGR) into a regional report on North American forest genetic resources.</i>	<i>Mexico, USA, Canada</i>	<i>2013</i>	<i>Ongoing</i>
<i>Increase emphasis on issues related to adaptation to climate change.</i>	<i>Mexico, USA, Canada</i>	<i>2013</i>	<i>Ongoing</i>

3. WORKING GROUP FINANCIAL INVESTMENTS AND/OR NETWORKING

Period MAY 2012 – OCTOBER 2013

Activity	Amount U.S. \$ (cash)	Amount U.S. \$ (in-kind)
<i>Abies religiosa</i> seed collection along an altitudinal gradient near of the Monarch Butterfly Biosphere Reserve and establishment of a nursery test.	\$ 4000	

4. REQUEST FOR FUNDING AND/OR OTHER SUPPORT

Establishment of a common garden *Abies religiosa* altitudinal common garden test. Request: \$5000 USD

5. CLOSING REMARKS