



# NORTH AMERICAN FOREST COMMISSION

## THIRTIETH SESSION

Missoula, Montana, USA 9 - 12 September 2019

### REPORT OF THE CLIMATE, ATMOSPHERIC CHANGE AND FORESTS WORKING GROUP

**PERIOD: September 2017 – July 2019**

#### 1. WORKING GROUP COMPOSITION

Chairperson	Country	Organization
Liz Mayhew (Interim BOA Advisor)	US	US Forest Service/International Programs
Members	Country	Organization
Sylvie Gauthier	Canada	Laurentian Forestry Center, Canadian Forest Service sylvie.gauthier2@canada.ca
Carolyn Smyth	Canada	Canadian Forest Service, carolyn.smyth@canada.ca
Mariana Martínez Leal	Mexico	CONAFOR, Unidad de Asuntos Internacionales y Fomento Financiero, mariana.leal@conafor.gob.mx
Armando Alanís de la Rosa	Mexico	CONAFOR, Coordinación General de Planeación e Información, jalanis@conafor.gob.mx
Oswaldo Carrillo Negrete	Mexico	CONAFOR, Coordinación General de Planeación e Información, ocarrillo.ute@conafor.gob.mx
James Vose	US	Southern Research Station, USFS, jvose@fs.fed.us
Christopher Swanston	US	USFS, Director – Northern Institute of Applied Climate Science, cswanston@fs.fed.us

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Hank Loescher	US	National Ecological Observatory Network (NEON), hloesher@neon.org
Craig Wayson	US	USFS/International Programs, craig.wayson@usda.gov
Rich Birdsey	US	Retired USFS

## 2. LIST OF ACTIVITIES COMPLETED DURING THE PAST 2 YEARS

Meetings	Location	Date
Working group call	<i>Teleconference</i>	<i>11 October 2017</i>
Working group call	<i>Teleconference</i>	<i>29 January 2018</i>
Working group call	<i>Teleconference</i>	<i>17 May 2018</i>

### ACTIVITY DESCRIPTION

- **Three journal articles published**
  - In conjunction with other initiatives such as the Commission for Environmental Cooperation (CEC), research on GHG emissions in the forest sector was completed and one article from each country has been published. A synthesis paper with North America as the scope is in progress. The work has been presented at various forums (AGU, NACP, etc.) in 2018 and 2019.
    - Olguin M, Wayson C, Fellows M, Birdsey R, Smyth CE, Magnan M, Dugan AJ, Mascorro VS, Alanís A, Serrano E, Kurz WA. Applying a systems approach to assess carbon emission reductions from climate change mitigation in Mexico’s forest sector. *Environ Res Lett.* 2018;13:035003.
    - Smyth CE, Smiley BP, Magnan M, Birdsey R, Dugan AJ, Olguin M, Mascorro VS, Kurz WA. Climate change mitigation in Canada's forest sector: a spatially explicit case study for two regions. *Carbon Balance Manag.* 2018, 13:11.
    - Dugan A J, Birdsey R, Mascorro VS, Magnan M, Smyth CE, Olguin M and Kurz WA. A systems approach to assess climate change mitigation options in landscapes of the United States forest sector. *Carbon Balance Manag.* 2018, 13:13.
- **Funding proposal for NASA grant**
  - To continue the GHG modeling work for the forest sector in all NAFC countries, a proposal to NASA was submitted on May 22, 2019 titled “NASA-CMS prototypes support forest management decisions that help achieve net negative greenhouse gas emissions from North America”.

### 3. PLANNED ACTIVITIES FOR THE NEXT 2 YEARS

Activity	Location	Date	Status (ongoing/new)
GHG modeling workshop and CCACAF meeting	<i>Guadalajara, Mx</i>	<i>26-30 August 2019</i>	<i>new</i>
Update the working group plan	<i>NA</i>	<i>August/September 2019</i>	<i>ongoing</i>
Publish trinational modeling synthesis journal article	<i>NA</i>	<i>October 2019</i>	<i>ongoing</i>
CCACAF Working Group Meeting	<i>TBD, Mexico</i>	<i>Feb/March 2020</i>	<i>new</i>

### 4. WORKING GROUP FINANCIAL INVESTMENTS AND/OR NETWORKING

Members of the working group collaborate through other initiatives such as the Commission for Environmental Cooperation and through various unilateral funding sources from each country and utilize the NAFC as a framework under which the coordination is done among the member countries.

### 5. REQUEST FOR FUNDING AND/OR OTHER SUPPORT

Funding (estimated at \$20,000) to support an in-person Working Group Meeting in Mexico in February-March of 2020 would be advantageous to finalize the workplan and plan for its implementation.

### 6. CLOSING REMARKS

None.