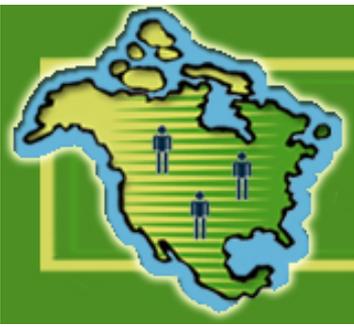


North American Carbon Program (CarboNA) and Supporting Tri-lateral Programs

Rich Birdsey with support from many
others in Canada, USA, and Mexico

Tri-lateral Programs Related to Carbon Monitoring and Assessment in North America

- The North American Carbon Program (CarboNA – not NACP)
- The North American Commission for Environmental Cooperation (CEC)
- The North American Forestry Commission (NAFC – *not discussed here*)
- Bilateral programs – Canada/Mexico and USA/Mexico (*not discussed here*)



CarboNA

*An international collaboration between
Canada, Mexico, and the United States
for carbon cycle science research throughout
North America and adjacent ocean regions.*

<http://nacarbon.org/carbona/>

A joint government-level initiative between Canada, the US and Mexico whose goal is **to establish greater cohesion across North America in the fields of carbon pool and greenhouse gas flux dynamics and of carbon related mitigation strategies, through the identification of continental-scale priority issues and promotion of collaborative research in areas of common interest and complementary expertise.**



CarboNA

*An international collaboration between
Canada, Mexico, and the United States
for carbon cycle science research throughout
North America and adjacent ocean regions.*

Special emphasis for international collaboration in North America:

1. Monitor and predict responses of terrestrial, aquatic and marine ecosystem carbon cycles to....
2. Estimate continental budgets for atmospheric greenhouse gases
3. Establish a working group to identify research needs ...in the Gulf of Mexico Basin
4. Improve understanding of the current state and likely future changes in carbon cycling in continental coastal ocean environments
- 5. Identify the need for and support the development of government-level agreements on data sharing and harmonization, standardization of data collection and management, and criteria for using data.....**
- 6. Develop an approach for a long-term, consistent, and integrated observation and reporting system for greenhouse gas mitigation across North America....**
7. Identify the impacts of possible tri-lateral mitigation strategies
8. Coordinate efforts to develop and deploy decision-support tools

North American Land Cover and Change Products -- Commission for Environmental Cooperation

Tri-national initiative united by CEC

Canada: CCRS

USA: USGS

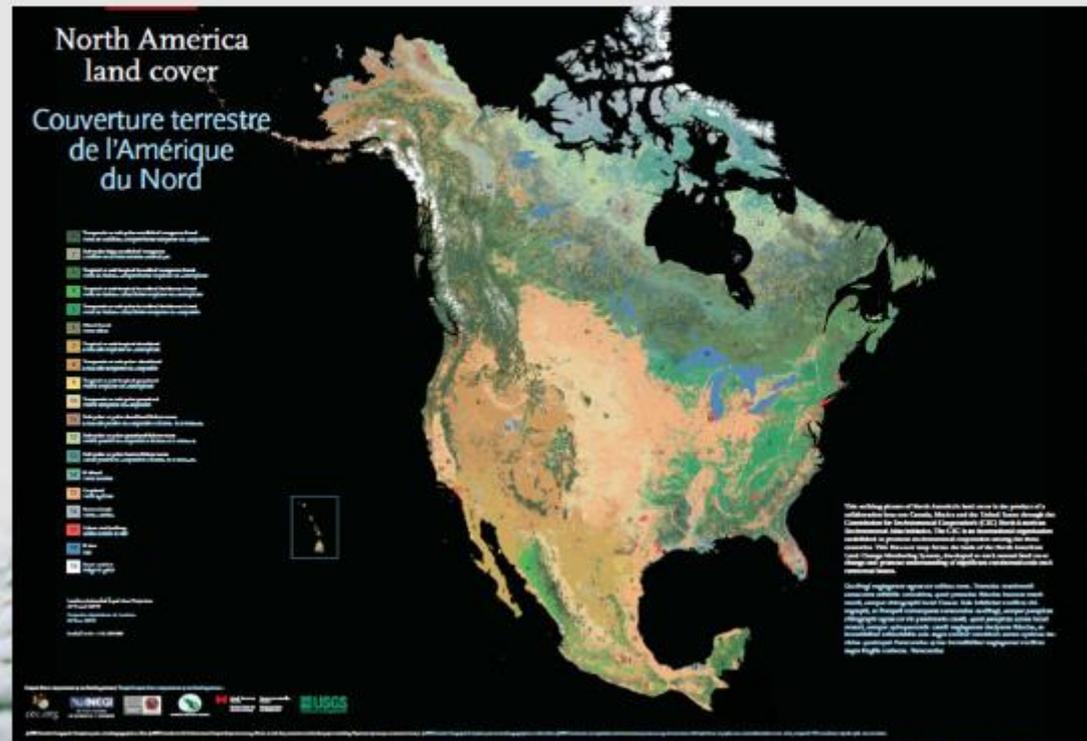
Mexico: INEGI, CONAFOR, CONABIO

Goal: Develop an operational system for monitoring land cover change of the continent with satellite data

www.cec.org



North American Land Cover 2005, 2010, 2005-2010



North American Forest Carbon Modeling Sponsored by the Commission for Environmental Cooperation



Natural Resources
Canada

- Tri-lateral project to improve North American forest carbon modeling and assessment
- Collaboration among the 3 country's Forest Services and partners
- Objectives:
 - Assess the effects of different management practices on future carbon stocks
 - Facilitate implementation of carbon policies under programs such as REDD+



Three countries. One environment.