



Mid-term Report

2017–2018 Projects

14 June 2018

Progress on Project Implementation

Ten new cooperative projects were launched on the 1st of July 2017 as part of the CEC's Operational Plan (OP) 2017–2018. These represent the second set of projects established under the CEC's Strategic Plan 2015–2020.

Project implementation began in July 2017 with the designation of project-specific steering committee members from all three countries and kick-off calls to develop project-level work plans.

This report also covers ongoing initiatives and tools that are part of CEC's cooperative work: Tracking Pollutant Releases and Transfers in North America (PRTR) and the CEC Interactive Platforms: the North American Environmental Atlas, the North American Land Cover Monitoring System (NALCMS) and the North American Portal on Climate Pollutants.

Steering Committees

Ten steering committees were formed in July-August 2017 to support the 2017–2018 CEC projects. Steering committee members primarily represent Environment and Climate Change Canada, *Secretaría de Medio Ambiente y Recursos Naturales*, and the United States Environmental Protection Agency. However, most of the steering committees are good examples of trilateral cross-agency collaboration as they include experts from government agencies representing Energy, Health, Transportation, Customs, Wildlife, National Parks, and Fisheries/Oceans. Periodic trinational steering committee conference calls have been conducted since late July 2017 to advance on the implementation of project activities.

Contracts

From 1 July 2017 to 31 May 2018, 31 contracts, as well as other collaboration agreements and memoranda of understanding, were signed to support the projects and initiatives. As shown in the chart below, the majority of contracts were signed with nongovernmental organizations (18). Contracts are awarded following an open and fair competitive selection process. CEC evaluation of completed contracts to date shows satisfaction rates of 100% for contractors' quality of work and 100% for timeliness.

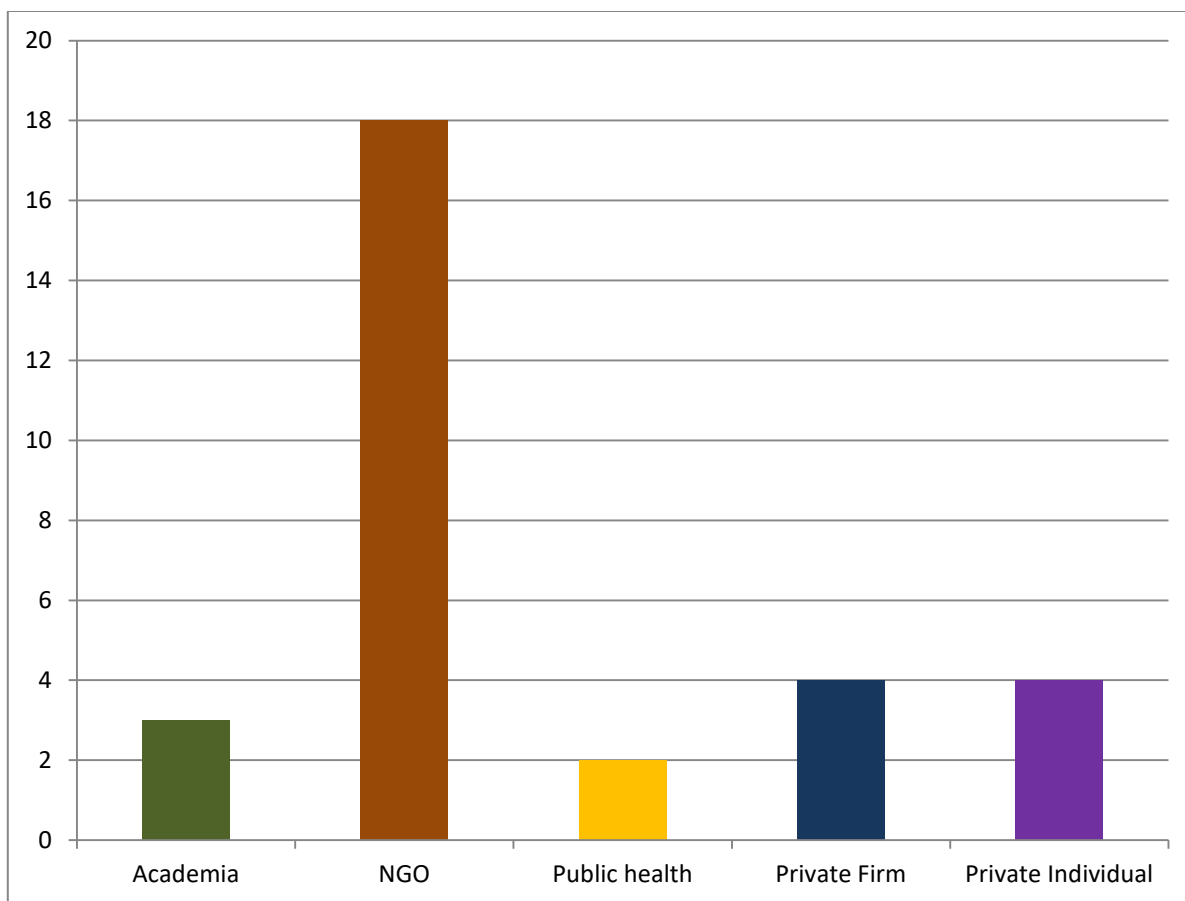
2017–2018 Projects



10 projects in the
Operational Plan
2017–2018

2/10 are new projects

8/10 projects build on
work conducted in the
Operational Plan
2015–2016



Number of Contracts, by Sector: 1 July 2017–31 May 2018

Meetings

From 1 July 2017 to 31 May 2018, 12 project meetings were organized by the CEC Secretariat. To date, meeting survey data show a 90.3% satisfaction rate for meeting content and facilitation. The CEC Secretariat also participated in 12 non-CEC events that helped advance project activities or increased the exposure of CEC’s cooperative work.

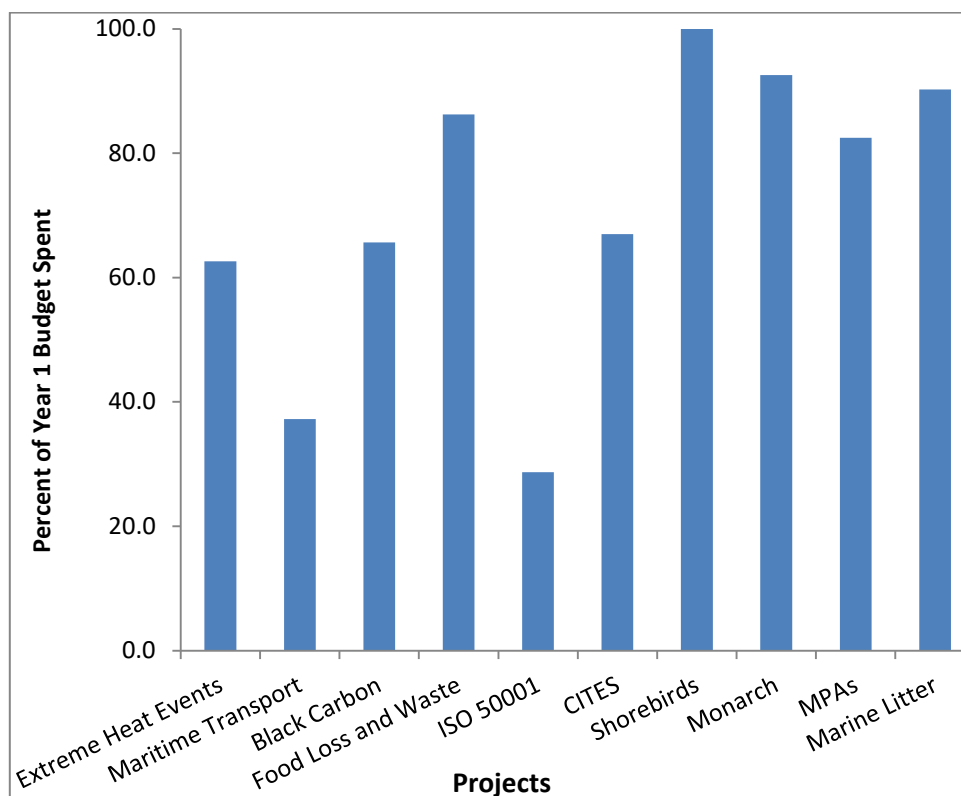
Project Deliverables

Progress on project deliverables is summarized for each project in Annex 1. Overall, about 15 project publications are expected from this operational plan and will be subject to the CEC quality assurance process.

Budget

Budget expenditures from 1 July 2017 to 31 May 2018 were on track for most projects. Overall, 72.9% of the first year’s total project budget was spent to date (see chart below). Some projects are being implemented below budget and other projects expect more disbursements to occur by 30 June 2018 (end of first year of the OP 2017-2018). Project implementation has also been affected since fall 2017 due to uncertainties surrounding the CEC 2018 budget and the second year of the OP. A

reduced implementation calendar for the OP 2017–2018 was approved by the Parties in late April 2018, including an adjusted budget and a reduced timeline for the projects, as follows: instead of ending on 30 June 2019 as originally planned, six projects will conclude their activities by 31 December 2018 and four will complete their work by 31 March 2019 (the four projects are: Measuring and Mitigation of Food Loss and Food Waste; Increasing Industrial Energy Efficiency through ISO 50001; Science for Monarch Butterfly and Pollinator Conservation; and Building Community Solutions for Marine Litter). The ongoing initiatives follow an annual budget cycle, separate from the projects, and they will conclude their 2018 activities by the end of December 2018.



Year 1 Project Budget Spending by 31 May 2018

Performance Measures

Performance measures, identified in each project description, are being assessed quarterly according to SMART (specific, measurable, achievable, relevant and time-bound) objectives. These objectives have been revised to reflect the adjustments brought to the 2018 project budget and timeline mentioned above. Project results will be reported at the end of the Operational Plan 2017–2018.

Efforts have also been made to continue measuring the impact of past and recent work. The Secretariat commissioned an environmental benefits assessment of the CEC projects on grasslands conservation. This assessment was based on interviews with stakeholders from the three countries, analysis of outputs and dissemination metrics, and comparison of desired and actual project outcomes. The conclusions of this assessment are presented in a report that was completed in March 2018. This pilot evaluation was conclusive in providing evidence of impact and describing lessons learned for the future. The Parties agreed to undertake in the next six months similar impact

evaluations for the following past CEC projects and initiatives: PRTR, monarch butterfly conservation, mapping environmental information, and waste management work.

In addition, the Secretariat looked at evidence that CEC information has been used by government officials, stakeholders, and other people not directly involved in CEC work. This evidence was collected on an anecdotal basis and included 5 citations of CEC work in published documents (including reports, journals and peer-reviewed documents) as well as 12 references of CEC work made by various experts in policy documents, reports, announcements and other material. The Secretariat also received 14 emails showing the impact CEC work has had recently—here are a few examples of such statements:

- Lia Yohannes from US EPA indicated in July 2017 that there is still interest in the material from the CEC 2011 workshop on environmentally sound practices for e-waste recycling and refurbishing, published on the CEC website.
- Justin Epting, Remote Sensing and GIS Specialist/Assistant Program Leader, Disturbance Assessment and Services at the US Forest Service (USFS) mentioned in February 2018 that the Geospatial Technology and Applications Center hosted the CEC's 30 m land cover dataset in their Enterprise Data Warehouse as an internal product for USFS employees.
- Juan Carlos Villa, Regional Manager for Latin America at the Texas A&M Transportation Institute was accepted to present the report he prepared as a CEC consultant—Reducing Air Pollution at Land Ports of Entry: Recommendations for Canada, Mexico and the United States—at the 4th Annual International Conference on Transportation to be held on 4-7 June 2018, organized by the Transportation Engineering Unit of the Athens Institute of Education and Research.
- Kerry Lee Morris-Cormier, Coordinator of the WHSRN Expansion Project of Nature Conservancy Canada, presented work funded through, and citing, the CEC Shorebirds project. The presentation and poster were part of the Bay of Fundy Ecosystem Partnership Science Workshop held on 9–12 May 2018 in Truro, Nova Scotia and hosted by Dalhousie University (<http://www.bofep.org/wpbofep/?p=1611>).

Progress to date on the short-term project outcomes, deliverables and budget expenditures for 2017–2018 projects and initiatives is summarized in Annex 1.

ANNEX 1: Status Report of 2017-2018 Operational Plan Projects

Each project has specific performance measures that are reported upon project completion. The performance measures include clear targets and reporting periods for each project objective, using a SMART (specific, measurable, achievable, relevant and time-bound) approach. These measures assess project results by the end of projects, which ensures the success of project implementation and monitoring, and contributes to the attainment of CEC strategic priorities. The status at halfway point of project results and budget for each project is included below. As mentioned above in the Budget section, project implementation has been affected since fall 2017 due to uncertainties surrounding the CEC 2018 budget and to the adjusted OP timeline and budget approved by the Parties in April 2018.

Project: Monitoring Health Impacts from Extreme Heat Events

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Real-time syndromic surveillance (SyS) systems for heat are implemented or enhanced in additional regions/communities in North America to enhance capacity to monitor health impacts	Number of new locales/communities that implemented or enhanced SyS systems for heat	4 new locales/communities, including at least one serving indigenous community, with SyS systems in place	Three new locales will be working on this project: Pinal County, Arizona, US; British Columbia, Canada; and Chihuahua, Mexico.
Increased capacity of public health professionals to identify heat related illnesses	Number of participants at the workshop from federal, regional and local health authorities	70 participants	A workshop is planned for the end of November or beginning of December 2018.
Budget	Budget Status		
Y1: C\$200,000; Y2: C\$200,000; Total: C\$400,000	62.6% of Year-1 budget spent		

Project: Reducing Pollution from Maritime Transport

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Achieve continental network of vessel emission control areas (ECAs) in North America (pending Mexico's accession to MARPOL Annex VI)	Mexico's ECA designation proposal is submitted to the International Maritime Organization (IMO).	Mexican ECA proposal under IMO consideration	Following a high-level meeting on 11 May 2018 with key agencies in Mexico, the ECA designation proposal was finalized and submitted to the <i>Secretaría de Relaciones Exteriores</i> , in preparation for submission to the IMO by 21 July 2018.
Best practices have been shared with key North American agencies to reduce emissions pollution and achieve benefits in air quality, community health, environmental quality, ecosystems and climate in North America	North American key agencies have been engaged in sharing best practices	All key agencies	The CEC collaborated with the Port of Los Angeles in hosting the 5th Pacific Ports Clean Air Collaborative (PPCAC) Conference, held in Los Angeles on 19-22 March 2018.
	Number of North American agency policy staff who received information	Not applicable	Approximately 40 policy staff received information during the high-level meeting on 11 May 2018 in Mexico.
	Number of inspectors and other technical staff who received technical training	Not applicable	This training activity is still to be defined and the measure may be adjusted.
Budget	Budget Status		
Y1: C\$275,000; Y2: C\$95,000; Total: C\$370,000	37.2% of Year-1 budget spent		Note: Project activities have been successfully completed below the anticipated budget.

Project: Improving Black Carbon Emissions Inventories Data for Small Scale Biomass Combustion

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Improve the accuracy of black carbon and PM2.5 emissions inventories relative to small-scale biomass fuel combustion.	Increased coverage and completeness of black carbon emission estimates for small scale biomass combustion in national inventories.	Up-to-date information for varying geographic and land-use areas on small-scale biomass fuel usage.	Survey and data collection efforts for 21 states in the United States are underway. A contract for the survey and data collection effort in Veracruz, Mexico is being negotiated. Proposed Canadian work is being reviewed and revised to adjust to the December 2018 project deadline and to avoid duplication of efforts with work currently being conducted by Natural Resources Canada.
Budget	Budget Status		
Y1: C\$280,000; Y2: C\$185,000; Total: C\$465,000	65.6% of Year-1 budget spent		

Project: Measuring and Mitigating Food-Loss and Waste

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Improve measurement of food loss and waste (FLW) across the food supply chain, including approaches to correlate FLW prevention, recovery and recycling with associated environmental and socio-economic impacts, to help decision makers.	A multi-stakeholder expert group on FLW measurement is established and provides guidance	A group of trilateral subject matter experts is created and provides expert guidance on project deliverables	At the halfway mark, the project has established a group of experts, including North American and international practitioners from across the food supply chain. This group of experts has provided key input, particularly at the first in-person meeting in Mexico on 15-17 May 2018, for the development of two documents—a technical report and a practical guide—on how to better measure food loss and waste at each stage of the food supply chain, and calculate its environmental and socio-economic impacts, in a manner consistent with global standards. The group of experts will meet again in person in August and October 2018 to provide guidance and expertise on the content of the main deliverables.
	A report is completed and published	Report is published and disseminated to target audience	The table of contents of this report has been refined; a first draft is to be completed in June 2018.
	Practical guidance for stakeholders across the food supply chain is developed	Practical guidance is published and disseminated to target audience	The table of contents of this practical guide has been refined; a first draft is to be completed in July 2018.
Engage youth to raise awareness of FLW issues through the development of learning tools and resources to prevent, recover and recycle food waste.	Advisory group is established and provides guidance	Advisory group is created and guidance is received	A request for proposals was published and proposals are being evaluated by the Steering Committee. Contract is expected to be in place by mid-June.
	FLW learning tools and resources developed to engage youth	Learning tools and resources are made available	The target regarding partner organizations using the tools and resources will be adjusted based on progress on this activity.
	Number of partner youth-focused organizations introduced to FLW learning and communication tools and resources	At least 30 clubs, schools, local communities and other youth organizations have been introduced to FLW learning and communication tools and resources	
Budget	Budget Status		
Y1: C\$395,000; Y2: C\$455,000; Total: C\$850,000	86.2% of Year-1 budget spent		

Project: Increasing Industrial Energy Efficiency through ISO 50001

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Increase regional integration of ISO 50001 into supply chain strategies in at least one economic sector	Adapted tools and resources are developed and made available to at least one sector	Tools and resources made publicly available and also integrated into project	A training program adapted to supply chains was developed and shared to recruit participants. Program materials have been finalized in all three languages (including 50001 Ready Navigator and 25 resource documents).
	Number of industry associations and other stakeholders engaged	At least 3 industry associations and other stakeholders engaged per sector	Eight auto-sector associations and manufacturers, and several companies from other sectors have been contacted.
	Number of case studies from Mexican companies and/or supply chain	3 new case studies made publicly available	No case studies have been completed yet.
Support approximately 40 supply chain partners in the three countries in implementing the requirements of ISO 50001	Number of private sector facilities recruited to participate in training program	40 facilities from 3 supply chains received the training	The Secretariat is finalizing a partnership agreement with one automotive manufacturer and its supply chain. Training activities will begin in summer 2018.
Expand ISO 50001 experts and services availability in all three countries	Number of professionals that received training (by country)	10 professionals	Capacity building will begin in fall 2018.
	Number of experts engaged in training program as trainers	2 experts	Capacity building will begin in fall 2018.
	Information on CEC program, training, and additional resources is shared with relevant audiences (by type, including students)	Greater audience informed about ISO 50001 deployment and training in the three countries.	Information was shared through each country's national program networks, associations and other partners.
			To date, 7 facilities from the 2015-2016 CEC pilot program successfully completed their ISO 50001 certification audit.
Budget	Budget Status		
Y1: C\$240,000; Y2: C\$360,000; Total: C\$600,000	28.7% of Year-1 budget spent		

Project: Supporting Sustainable Trade of CITES Species

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Support long-term regional collaboration to implement priority actions from the 2015-2016 action plans for sharks, tarantulas, timber and turtles/tortoises	Website is completed with information that supports collaboration	Website up and running	CEC CITES website has been launched. The website will be updated throughout the life of the project with additional information on species groups and with project publications. www.cec.org/trinational_cites
	Outreach strategy is completed and disseminated	Outreach strategy is available	Supporting Sustainable Trade of CITES Species animated video was launched on 2 March 2018 to convey the importance of supporting legal trade of CITES species. A postcard was developed to disseminate the project's main objectives, website and publications.
	Funding strategy to leverage resources and engage collaborators is completed and disseminated	Funding strategy is available	Draft terms of reference for the Partnership Strategy have been developed and are under review with the Steering Committee.
Implement priority actions from the 2015-2016 action plans for sharks, tarantulas, timber and turtles/tortoises	Number of priority actions implemented	16 priority actions implemented (to be determined after meeting) for each species groups	During the Trinational Priorities and Implementation Planning Workshop (26-28 September, Montreal, Canada), 11 priority actions were selected for implementation. Of these, only 7 actions will be implemented considering the adjusted project budget and end date (December 2018). Up to date, three actions have been implemented on the tarantula species group (IUCN assessment and workshop, trinational regional workshop and tarantula identification guide) and two are underway (compendium of shark-specific data, and training workshop on shark fin identification, planned for 10-12 July 2018).
Support and build regional enforcement capacity for trade in priority shark, tarantula, timber and turtle/tortoise species	Number of trained enforcement officers from key agencies	At least 25 enforcement officers trained	Seven enforcement officers and 43 participants from key agencies in the three countries attended the Tarantula Trinational Trade and Enforcement Workshop (27 February-2 March 2018).
Budget	Budget Status		
Y1: C\$380,000; Y2: C\$270,000; Total: C\$650,000	67% of Year-1 budget spent		

Project: Conserving Shorebirds through Community Engagement

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Communities at the selected sites will be engaged in new or enhanced shorebird conservation	Number of new community-based initiatives	At least 6 initiatives	Five new community-based initiatives have taken place or are under way: Georgia Bight Shorebird Initiative established; Shorebird Resting Beaches established in Minas Basin; shorebird disturbance reduction workshop held for women of Golfo de Santa Clara; first Willapa Shorebird Stewards event held; first Willapa Bay bird festival being organized.
	Number of expanded community-based initiatives	At least 2 expanded initiatives	Two expanded initiatives have been supported: Bird festival held in Bahia de Todos Santos; expansion of the Bay of Fundy WHSRN designation underway.
	New data available to fill gaps in support of shorebird conservation	New data available	Grays Harbor tagging activity successfully placed 24 geolocator tags on Red Knots <i>en route</i> to breeding grounds, enabling the collection of new data on Pacific flyway migration.
Sites will be organized as knowledge-action networks of shared experiences and best practices (in outreach and research) for conservation of shorebird habitat	Number of functional collaborative networks sharing best practices	2 functional collaborative networks (1 per flyway; 2 flyways in total)	Bird-related ecotourism workshop, held on 16-17 May on St-Simon's Island, Georgia, brought together 10 representatives from two flyways to share best practices and strengthen collaboration.
	Number of activities adopted from another site into local activities	At least 1 activity per flyway (2 flyways in total)	Work is underway and no data is available at this stage.
	Report on bird ecotourism incentives and planning is available	Report is made available	Work is underway and no data is available at this stage.
Local and traditional ecological knowledge will be shared and used to inform conservation actions at sites	Local and Indigenous people provide input to inform video documentary	Local and Indigenous input is available for video	In collaboration with Cornell Lab of Ornithology, filming is underway for a short-form video segment on the values of shorebirds to communities along the Pacific flyway.
Budget	Budget Status		
Y1: C\$330,000; Y2: C\$195,000; Total: C\$525,000	100% of Year-1 budget spent		

Project: Science for Monarch Butterfly and Pollinator Conservation

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
The current status of monarch science in the three countries is known and cohesive trilateral coordination of monarch science has been achieved through the Trilateral Monarch Conservation Science Partnership (T-MCSP)	Trilateral work plan is made available	Work plan available	The summary notes of the Monarch Butterfly Research and Monitoring Workshop, held in Montreal on 6-8 February 2018, will serve as the trilateral work plan, as agreed by the Steering Committee.
	A summary of monarch science is available	Trilateral compendium of monarch work updated	Given the adjusted end date for the project, the trilateral compendium of monarch work will be replaced by a special edition of the <i>Frontiers in Ecology and Evolution</i> journal (already planned by the experts). Information included in this special edition may be developed into infographic material to further disseminate recent research on the monarch butterfly (to be determined once draft content has been developed).
A trilateral monitoring strategy is in place that integrates biological monitoring protocols and databases across the three countries to support monarch conservation efforts.	A trilateral monitoring strategy is in place	Trilateral monitoring strategy available	There are two ongoing contracts to monitor monarch butterflies, which include trilaterally-agreed monitoring protocols.
Pilot studies contribute to addressing knowledge gaps in four priority areas for research (overwintering density, natal origins, nectar resources for monarchs and pollinators, and climate change).	A study per priority area is completed	4 studies (at least 1 per priority area)	There are two ongoing contracts to support pilot studies, each one addressing a different priority area (natal origins and nectar resources).
	A web-based tool is completed and made available	Centralized web-based tool is available	A webinar on the Trilateral Monarch Knowledge Network will be held on 7 June 2018 to discuss a proposal to create a platform where monarch and milkweed monitoring organizations could add data in an open access, standardized database.
Budget	Budget Status		
Y1: C\$255,000; Y2: C\$245,000; Total: C\$500,000	92.6% of Year-1 budget spent		

Project: Strengthening Adaptive Capacity of Marine Protected Areas

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Communities and marine protected area (MPA) practitioners have access to practical guidance to better address coastal vulnerabilities	A final coastal impact mitigation and adaptation toolkit is available to MPA practitioners and local communities	1 toolkit available	Consultant report is available with draft toolkit outline and concept for online toolkit structure.
Impact mitigation and adaptation management strategies can be integrated into MPA management planning and projects in the three countries	Number of key MPA staff members trained	2 from each MPA (total number of MPAs TBD)	This training activity will not take place due to shortened project timeline.
	Number of MPA partners trained	2 from each MPA (total number of MPAs TBD)	This training activity will not take place due to shortened project timeline.
Collaboration across MPAs is in place through memoranda of understanding (MOU), action plans or informal partnerships	Participating MPAs have determined a list of shared priorities	List available on shared priorities	Two MPA workshops (one for Canada-US sister sites and one for US-Mexico sister sites) are scheduled for fall 2018, to develop collaborative work plans for Pacific Coast MPA management.
	Collaborative climate adaptation and mitigation activities are incorporated into MPA work plans	Collaborative activities in work plans	This may happen during or after the project. No data available at this stage.
	Number of new or expanded collaborative partnerships between MPAs are in place	At least 1 partnership per country	A meeting of national contacts for the North American Marine Protected Areas Network (NAMPAN) is scheduled for summer 2018 to discuss NAMPAN governance and funding, and to develop a work plan.
Budget	Budget Status		
Y1: C\$190,000; Y2: C\$150,000; Total: C\$340,000	82.5% of Year-1 budget spent		

Project: Building Community Solutions for Marine Litter

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Understand the status of marine litter at selected pilot sites in two watersheds.	Information in each watershed is gathered and shared with local stakeholders.	Status of marine litter at selected pilot sites in two watersheds is made available to stakeholders for decision making.	Reports describing the status of land-based debris in each watershed were produced and presented to local stakeholder communities.
Local citizens are engaged in local marine litter issues through community networks at selected pilot sites.	Number of citizens that participate in data collection events (from each of the following groups: youth, indigenous communities, all others).	20 local citizens per watershed are engaged in local marine litter data collection.	There were 98 citizens in total (50 at the Tijuana River watershed event and 48 at the Salish Sea watershed event), including 55 youth.
Communities have the capacity and the tools to develop community-based marine litter reduction and prevention solutions.	List of solutions developed by stakeholders.	1 list of solutions per watershed.	A list of solutions was developed by community stakeholders in each watershed.
	Number of stakeholders in total that participate in meeting(s).	20 local stakeholders per watershed participate in meeting(s) to select reduction and prevention solutions.	There were 53 stakeholders in total (22 at the Tijuana River watershed meeting in San Diego and 31 at the Salish Sea watershed meeting in Vancouver).
Communities have implemented marine litter prevention and reduction solutions.	Percentage of applicable identified solutions that are implemented in each watershed.	100%	Implementation to begin in July 2018.
Public awareness of community-based solutions to marine litter is raised through outreach.	Case studies and outreach material shared with communities beyond those already engaged in the project.	Case studies and outreach material made available.	Outreach material and case studies to be developed in fall 2018.
Budget	Budget Status		
Y1: C\$320,000; Y2: C\$280,000; Total: C\$600,000	90.3% of Year-1 budget spent		

Ongoing Initiative: Tracking Pollutant Releases and Transfers in North America (PRTR)

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
Enhance the quality, completeness and comparability of North American pollutant release and transfer registers (PRTR) data through ongoing collaboration with the three national PRTR programs.	Increased quality, completeness and comparability of North American PRTR data and information.	Note: Given the nature of this work, specific targets are not indicated. However, the CEC regularly compiles data and anecdotal evidence to track the ongoing impacts of this initiative.	Data for two additional reporting years (2014 and 2015) have been integrated into Taking Stock Online and will be published in June 2018; and new tools to support the visualization and understanding of PRTR data are currently being tested, also to be published in June. The CEC is involved in data quality efforts with technical staff of the three national PRTR programs, to enhance the quality and completeness of the information.
Promote increased access to, and use and understanding of, North American PRTR data via the Taking Stock report, Taking Stock Online searchable database, and stakeholder engagement activities.	Increased use of North American PRTR data, tools and information (Taking Stock Online and Taking Stock report) by stakeholders.	See note above.	A new Taking Stock report (vol. 15), with a feature analysis of reporting by the mining industry, was published in May 2018. To date, there were 533 unique downloads of this report since its release. The Taking Stock Online tool gets more than 1,200 visits a year. The Taking Stock reports are also regularly consulted; for example, the Taking Stock report (vol. 14) recorded 274 unique downloads in 2017.
	New policies, regulations, programs and decisions by government or industry are in place relating to the reporting, management and prevention of industrial pollution.	See note above.	National PRTR programs are exchanging information through the CEC to improve data quality processes and procedures.
Budget	Budget Status		
2017: C\$100,000 2018: C\$65,000 (The budget for ongoing initiatives is based on the calendar year.)	107.5% of 2017 budget spent 1.7% of 2018 budget spent		Note: Commitments on the 2018 budget were delayed due to delays in the budget approval.

Ongoing Initiative: CEC Interactive Platforms

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
A. North American Environmental Atlas			
Produce thematic map layers to show environmental information at the continental scale, including mapping content stemming from CEC projects; and increase the visibility and use of these products	Thematic map layers, as well as harmonized and updated data sets at the continental scale, are completed as required and made available online	All map products are available and easily accessible online	<p>Since July 2017, new additions to the Atlas included a map layer and database on terrestrial and marine protected areas in North America, and an updated blue carbon map layer and database.</p> <p>The CEC Atlas has remained a popular tool, with about 2,000 visits and 11,000 unique downloads of individual datasets per year. For example, in 2017 there were more than 14,200 downloads of Atlas datasets.</p>
B. North American Land Change Monitoring System			
Produce improved and updated land cover and land cover change maps and data sets	<p>By the end of 2017, the land cover 2010 map at 30 m resolution is published and easily accessible online (measured by number of unique downloads)</p> <p>By the end of 2018, national land cover 2015 maps at 30 m resolution are complete and ready for integration into a continental product.</p>	<p>The 30m land cover 2010 map is available and easily accessible to the NALCMS audience (5% more unique downloads of 30 m map compared to the 250 m map, for one year)</p> <p>NALCMS experts complete the national land cover 2015 maps and have them ready for integration into a continental product.</p>	<p>The continental land cover map at a spatial resolution of 30 m (Landsat data) was released on 2 November 2017. Members of the NALCMS expert group chaired a session at the American Geophysical Union (AGU) meeting on 11-15 December 2017 in New Orleans, as the main outreach event for this new product. The map was also promoted through social media for the International Day of Forests on 21 March 2018. To date, there were a total of 2,211 unique downloads of this map since its release.</p> <p>The NALCMS experts are currently working on national land cover maps using 2015 satellite data at 30 m resolution.</p> <p>The NALCMS webpage received about 800 visits in a year and previous land cover maps were downloaded 1812 times in 2017.</p>
Strengthen and facilitate collaboration among partner agencies on an ongoing basis, to produce harmonized	All partner agencies participate in conference calls and annual meetings	All map products are available and easily accessible online	Regular conference calls are held with the NALCMS partner agencies to advance on continental land cover and land cover change products. A virtual meeting was held on 30 May 2018 to exchange information on progress

SMART Project Objectives	Performance Measures	Targets	Results Achieved as of 31 May 2018
North American data for decision-makers and researchers	The NALCMS and Atlas products are promoted at relevant events		made on the national 2015 land cover maps and discuss the next steps required for their integration into a seamless continental map.
C. North American Portal on Climate Pollutants			
Enhance the completeness, relevance, and understanding of GHG, BC, and SLCP data for North America	Data in the Portal are as up-to-date as the source datasets	Note: Given the nature of this work, specific targets are not indicated. However, the CEC regularly compiles data and anecdotal evidence to track the use of this tool.	Data are currently being updated.
Improve the user-friendliness, analytical rigor, and functionality of the Portal in order to ensure it is meeting the needs of the intended target audience	Increased awareness and use of the Portal by stakeholders (measured by page visit statistics)		The Portal webpage was visited 395 times in 2017 and 131 times from January through May in 2018.
Budget CEC Interactive Platforms	Budget Status		
2017: C\$50,000 2018: C\$50,000 (The budget for ongoing initiatives is based on the calendar year.)	65.8% of 2017 budget spent 8.3% of 2018 budget spent		