



CFGAs Avoided Conversion of Grasslands Carbon Offset Protocol

Progress Update

Core Business Areas



Some of Our Clients / Partners



Background and Overview

- What are carbon offsets?
 - Credits generated for sale on a market for carbon emission reductions or carbon storage
- What is the opportunity?
 - We have developed a method (protocol) to credit ranchers and landowners with carbon offsets from retaining their lands in grass/pasture.
 - This is the first opportunity of its kind for grasslands in Canada.
- Why grasslands?
 - Opportunities for cropland have existed since 2007, despite grasslands being a significant carbon store.
- Why now?
 - There is continued pressure to convert Canadian grassland to cropland.
 - There is growing interest from corporations in purchasing these types of carbon offsets.
 - The concept has been proven in the US where grassland carbon offsets projects are being developed.



Timeline To Today

2016 - 2017

- CAR and Viresco retained to adapt US Grasslands Protocol into the Ontario Carbon Offset System

2019

- Formation of a Technical Working Group for Protocol adaptation
- Wetland areas added into the eligible areas for grassland projects
- Planning for the Pilot study with Technical Working Group

2012 - 2015

- Development and approval of the US Grasslands Protocol by the Climate Action Reserve (CAR)

2018

- Ontario Carbon Offset System scrapped with change in Government – Protocol adaptation 80% complete
- CFGA fund completion of Ontario protocol for the CAR voluntary market
- Protocol presented at CFGA AGM Workshop

2019 - October

- Canada Grassland Project Protocol approved by CAR Board of Directors
- Calculator being developed



2018 Workshop Where we Left It – Get the Protocol Approved!

CLIMATE
ACTION
RESERVE

CALIFORNIA
OFFSET PROJECT
REGISTRY

VOLUNTARY
OFFSET PROJECT
REGISTRY

CLIMATE
FORWARD ▶

CLIMATE
IMPACT
SCORE

NACW
NORTH AMERICAN
CARBON WORLD

RESOURCES

ABOUT US

CANADA GRASSLAND PROJECT PROTOCOL

PROGRAM

PROJECTS

PROTOCOLS

Adipic Acid Production

Canada Grassland

Canada Grassland
Development

Coal Mine Methane

Forest

Grassland

Mexico Boilers

Mexico Forest

Mexico Landfill

Mexico Livestock

Mexico Ozone Depleting
Substances

Canada Grassland Project Protocol

The Reserve partnered with Viresco Solutions to develop a Grassland Project Protocol for eligible projects in Canada. The protocol provides guidance on how to quantify, monitor, report, and verify GHG emission reductions associated with the avoided conversion of grassland to cropland. This protocol development effort has been funded in part by the Canadian Forage and Grassland Association. The protocol was adopted by the Reserve Board in October 2019.

- [Canada Grassland Project Protocol Version 1.0](#) (October 16, 2019)
- [Canada Grassland Project Protocol Version 1.0 Summary](#) (Coming Soon)

Protocol Revisions

The Canada Grassland Project Protocol is not undergoing revision at this time.

Protocol Development

The protocol development process for the Canada Grassland Project Protocol involved a multi-stakeholder workgroup, public comments, and responses to public comments. For more information, please visit:

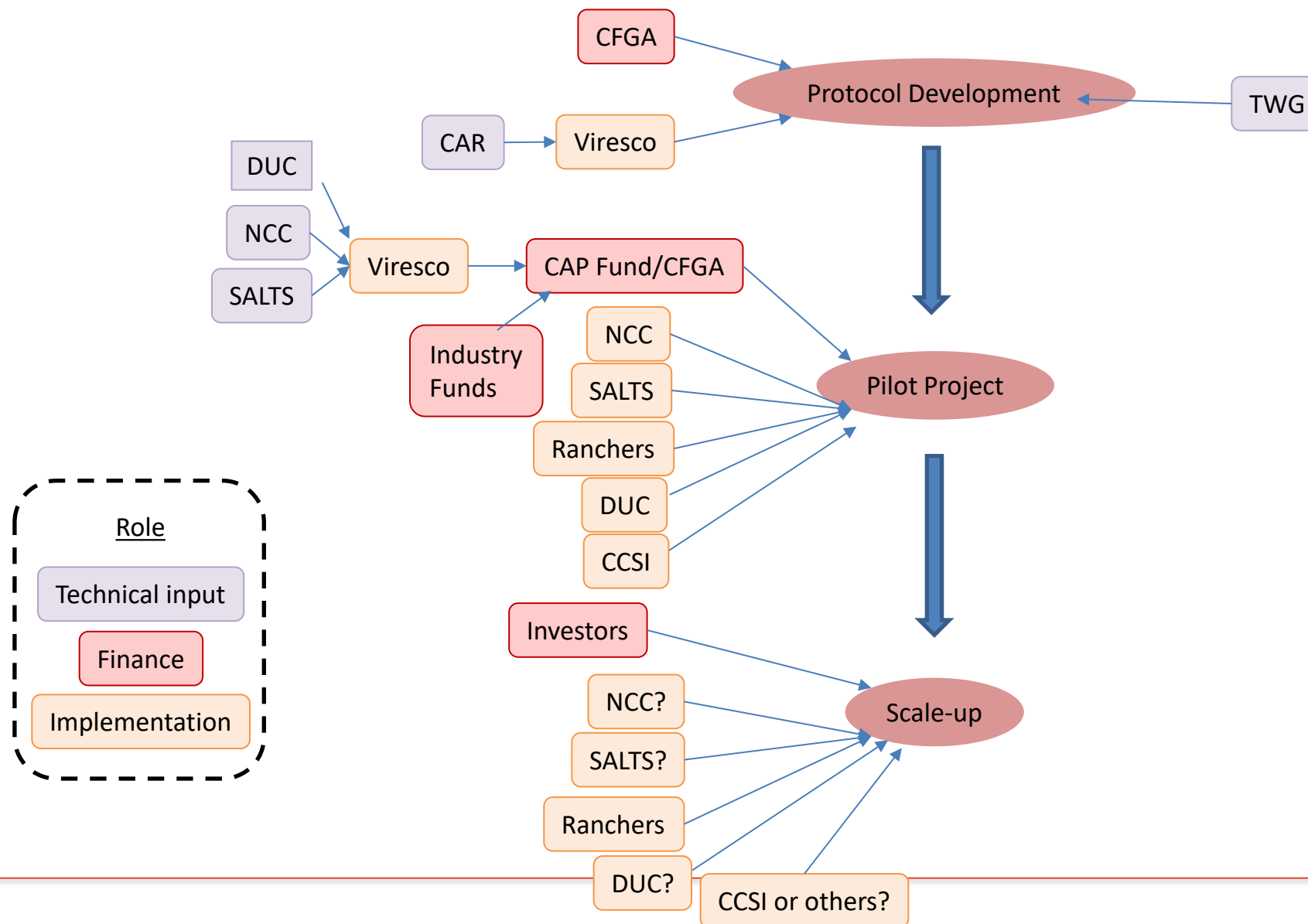
- [Canada Grassland Project Protocol Version 1.0 Development](#)

Please contact policy@climateactionreserve.org with questions or comments.

OLUTIONS



2018 CFGA Workshop – Where we Left it – Test the Concept



Anticipated Future Timeline

Early 2020

- Begin Pilot
- Draft Protocol for Alberta's Carbon Offset System with funding from NAWMP
- Continue to lobby Alberta Government to begin protocol approval process

2021

- Continue Pilot
- Alberta protocol approval?
- Adaptation and approval for other Provincial carbon offset systems?

Late 2019

- Submit Pilot proposal to CAP Agri-Assurance Program for ~\$700,000: 15% industry match; 10% CFGA Gov
- Begin discussions with Government of Alberta to reinvigorate protocol for Alberta Offset System

2020

- Continue Pilot
- Update CAR protocol
- Continue Alberta protocol adaptation and approval – FUNDING NOT YET SOURCED
- Protocol adaptation and approval in other Provinces using Alberta protocol as a template?

2022

- Pilot ends – ongoing framework established
- Updated and tested CAR protocol
- Updated and tested Alberta protocol



CAR Canada Grasslands Project Protocol

- Estimated Credit Generation: On average, one tonne (credit) per hectare
- Revenue will vary with:
 - Location
 - Project setup and activities
 - Risk of conversion to cropping
 - Contracts with project developers
 - Carbon offset sale price

