



# Air Canada's Perspective Sustainable Aviation Fuels

**Teresa Ehman**  
**Environmental Affairs**

**November 17, 2017**

# Air Canada's Perspective

Decision in 2011 to support the advancement of SAFs as a means to produce stronger environmental, social and economic benefit.

## **How we see our role: "Catalyst"**

- For Canadian-made solutions
- Through Partnerships with stakeholders to procure SAFs that meet criteria based on safety certification, acceptable sustainability criteria including lower net carbon, promoting social benefit where practicable

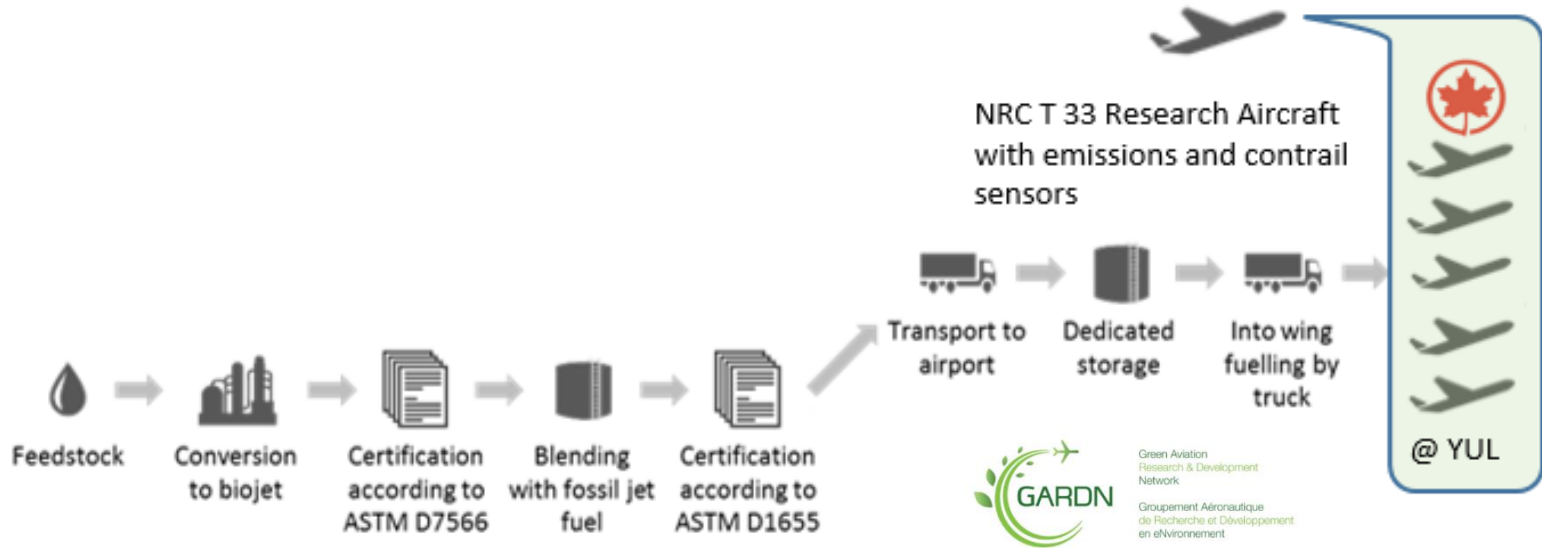
## **Recent Initiatives:**

- Civil Aviation Alternate Fuel Contrail and Emissions Research (CAAFCER)
- Canadian Biojet Supply Chain Initiative (CBSCI)



# Civil Aviation Alternate Fuel Contrail and Emissions Research (CAAFCER)

- Trailing aircrafts with contrails with a T33 collecting Biofuel particle emission data.

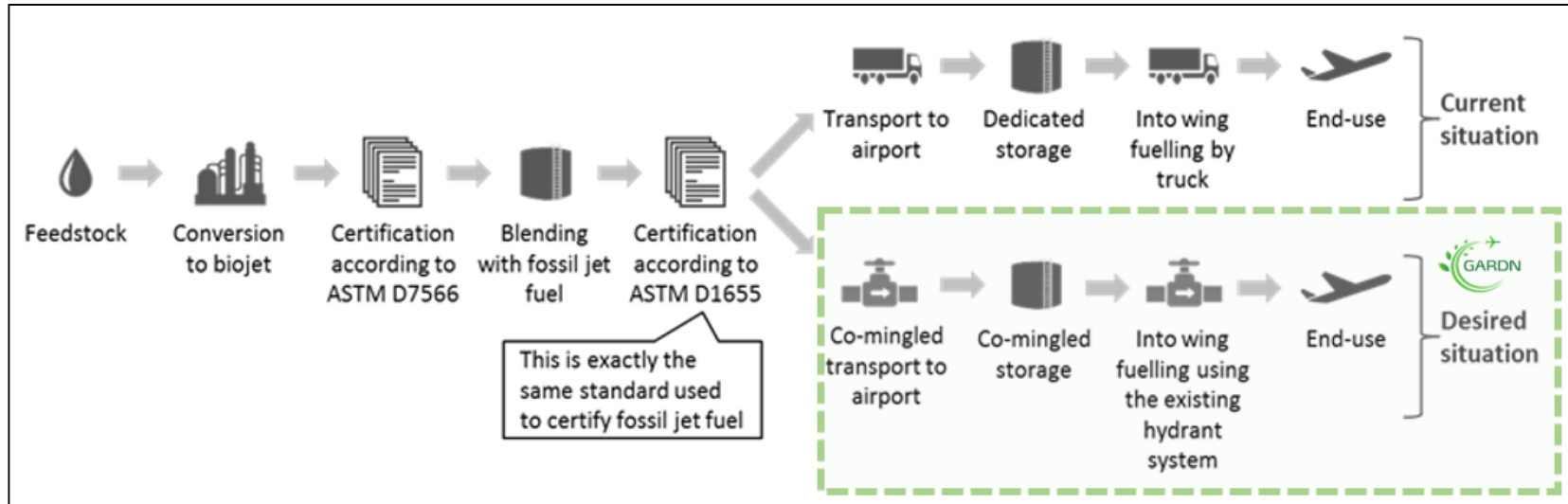


GARDN  
Green Aviation Research & Development Network  
Groupeement Aéronautique de Recherche et Développement en eNvironnement



# Canadian Biojet Supply Chain Initiative (CBSCI)

- Directly introducing bio-fuel into a shared airport fuel tank



Green Aviation  
Research & Development  
Network

Groupement Aéronautique  
de Recherche et Développement  
en eNvironnement



Transport  
Canada

Transports  
Canada



# The Context for an International Canadian Airline

## International Aviation

- CORSIA Compliance
- Canada early-in voluntary phase

## Domestic Aviation

- Pan-Canadian Framework on Clean Growth and Climate Change in 2016 to meet Canada's commitment in Paris
- Includes carbon pricing, mitigation, adaptation and innovation/clean energy and jobs
- Political will in Canada at Federal Level is very strong
- SAFs key for sustainable aviation

Combining Canadian and international interests on climate action creates a role for Sustainable Aviation Fuels in both domains.



# Highlights of Canadian Activities

## Clean Fuel Standard

- Creating the right conditions to support SAF
- Placeholder for SAF development

## Natural Resources Canada

- government agency with predominant alternative fuel agenda
- SAF discussions underway

## Innovation Superclusters Initiative

- Government of Canada funding opportunity
- To accelerate the growth and development of business-led innovation superclusters in Canada
- Regional innovation ecosystem that translates into new commercial and global opportunities for growth and competitiveness.





**Thank you**  
**Merci**

Air Canada  
8050-22<sup>nd</sup> Street NE  
Calgary, AB  
T2E 7H6  
Phone: 403 440-3209

[aircanada.com](http://aircanada.com)