

# Biofuels perspectives: Innovation to capitalise on foreign markets



**\$2.2 billion**

Invested into  
biofuels R&D



**327 million**

Litres of biodiesel  
exported annually



**7**

Key concerns addressed



**201**

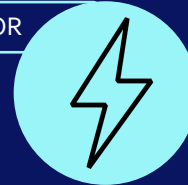
Sources referenced

SERVICE



Trade & Exports

SECTOR



Energy

REGION



North America

## CHALLENGE

- Wanted to open trade by targeting public innovation spending to overcome concerns about biofuels production
- Needed an evidence base to decide where to innovate to ensure trade aligned with tight criteria on the carbon, environmental and social impacts of biofuels production

## ACTIONS

- Distinguished different types of biofuels, production methods and feedstocks
- Outlined the impact on food prices, deforestation, biodiversity, GHG emissions, air pollution and vehicle fuel efficiency
- Assessed severity and legitimacy of key claims against biofuels
- Prioritised innovation opportunities to minimise biofuels risks
- Recommended how SDTC could enable lower-impact biofuels to support international trade objectives

## RESULT

- SDTC used the findings to inform their innovation strategy
- SDTC's programme focused on R&D challenges to ensure Canada's export market for liquid biofuels complied with California's Corporate Average Fuel Economy (CAFÉ) standards