

AVIATION CO₂ REDUCTIONS



STOCKTAKING SEMINAR
TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS

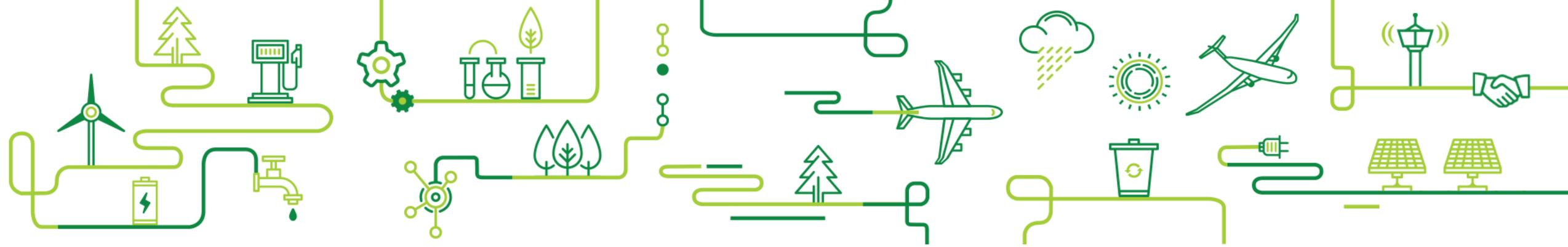


SAF competitiveness and scale-up

Bruno Miller

Managing Director, Fuels and Regulatory
Affairs – Fulcrum BioEnergy



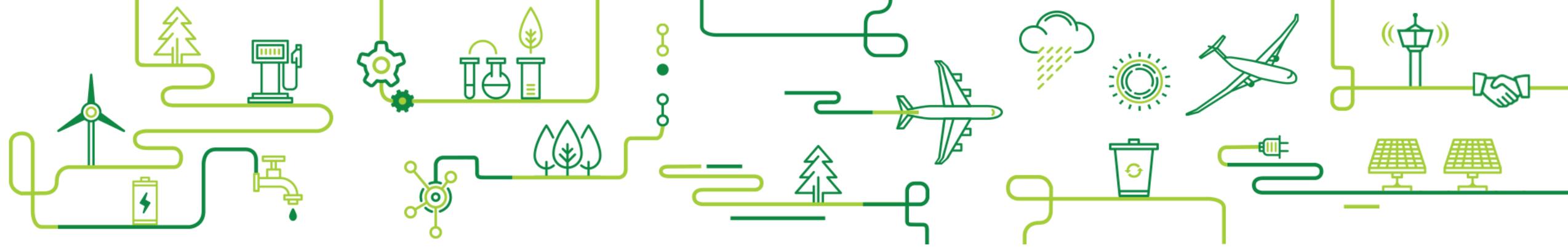


Fulcrum BioEnergy: Addressing Two Global Challenges

Disposal of Waste is a Global Problem

Reducing Aviation's Carbon Footprint

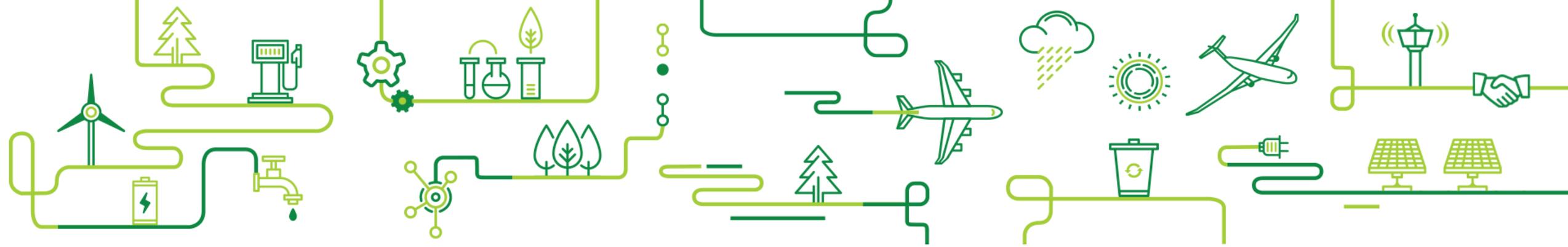




Municipal Solid Waste (MSW) – A Strategic Feedstock



- Large Volumes, Ideal Locations
- Established Infrastructure
- Carbon-Rich Feedstock Ideal for Biofuel Production
- Predictable Cost
- Resolves Waste Disposal Problems



Sierra BioFuels – Turning 350k tons MSW into 11M gal. of fuel/year



Sustainable aviation fuel produced from municipal solid waste (MSW)

Aviation Fuels



Feedstock type	Conversion process
Municipal Solid Waste (MSW)	Gasification & Fischer-Tropsch

Main characteristic: low-carbon fuel from MSW that would otherwise be landfilled



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CO₂ reductions per flight Up to 80%
- 
Level of finance required \$200M+
- 
Timeframe 2020
- 
Main challenges Financing, Policy

Thank You



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