



tradeinspace
FINANCIAL SERVICES IN ORBIT

#PhiWeek 2019

Robin Sampson

Distributed Ledgers, Blockchain and EO:

from Vision to Action

1 September 2017

Part 2: Agricultural Asset Securitisation Using Satellite Observations

Commercial in Confidence. Trade in Space 2019. All rights reserved.

“The End of Agriculture’s Old Business Model”



Data-Driven Disruption in Agriculture is Accelerating

The Traditional business model for agriculture, where traders finance farms, buy crops, store them in company silos and trade around inventory before selling is “over”.

- Gert-Jan van den Akker, President, Cargill Agricultural Supply Chain Division, Financial Times Commodities Global Summit, 2018.

**We use EO-data driven techniques to take one of the agricultural sectors most pressing, and most persistent challenges:
Lack of cost effective access to market.**



A P2P agricommodity trading system by tradeinspace

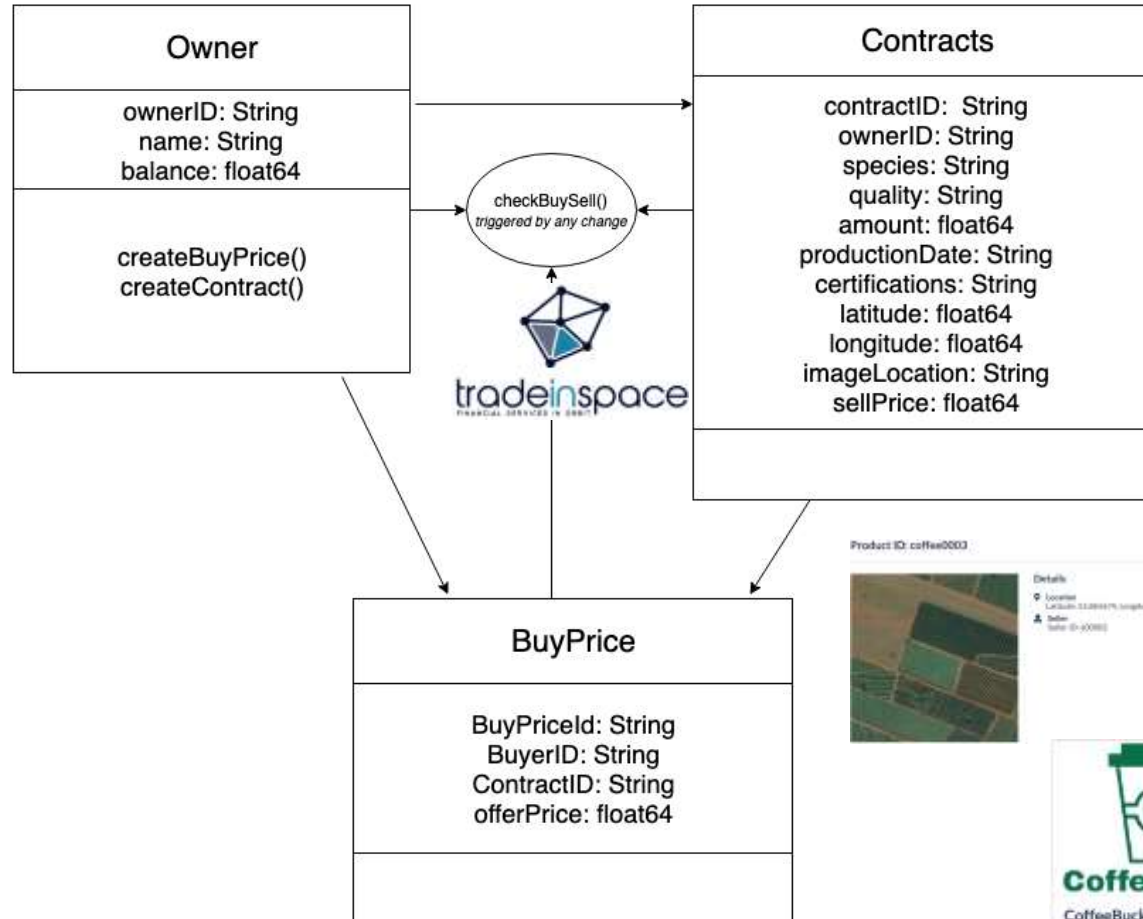
A global, P2P Marketplace for Agri-commodities, blockchain verified

Enabled by the uniquely global reach and vantage, offered by satellite earth observations, AI & Machine Learning.

Increased exposure to markets / reduced risk of supply disruption.

Lower Costs and Increased Transparency.

“Proof of Observation” – Cryptographic Asset-backed Token Generation from Satellite Observation



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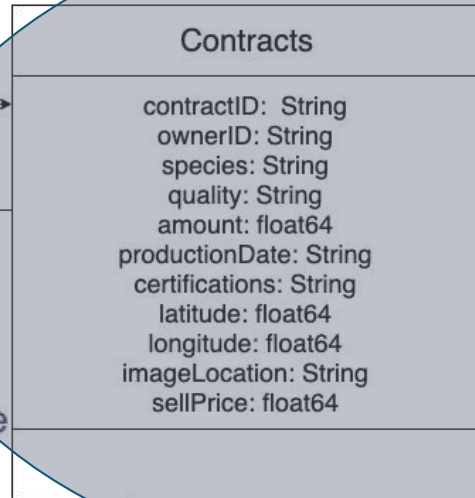
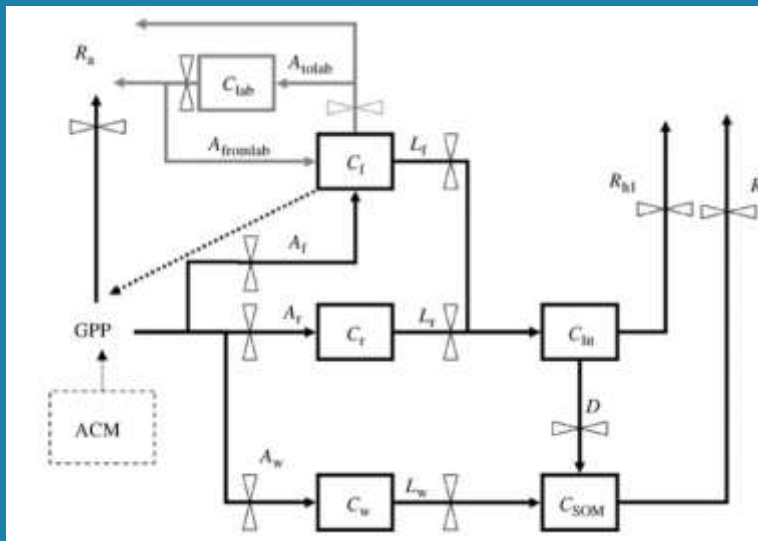


“Proof of Observation” – Cryptographic Token Generation from Satellite Observation

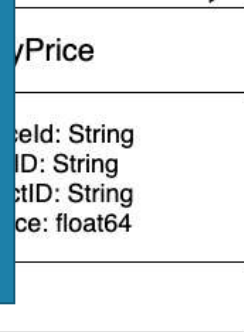
DALEC ECOLOGICAL MODEL FROM THE UNIVERSITY OF EDINBURGH



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Project ID: coffee003

Place Your Bid

Buy Price

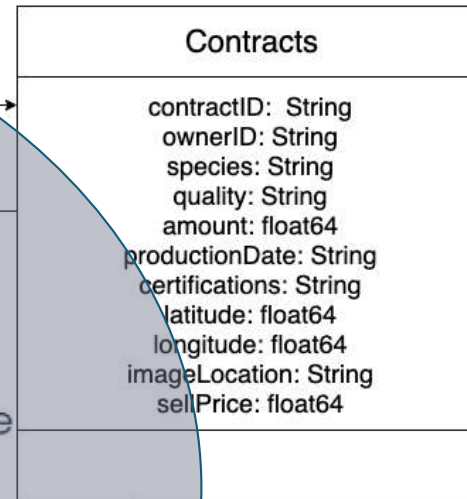
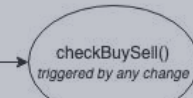
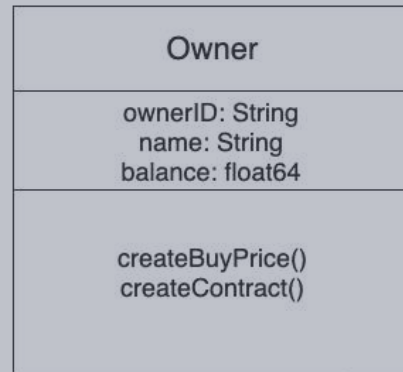
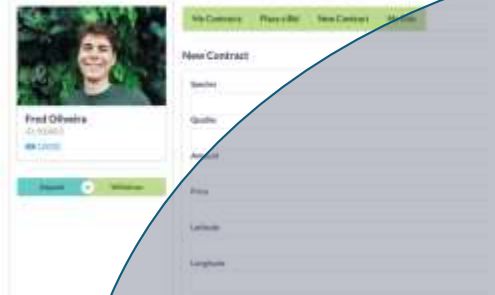
field: String
ID: String
contractID: String
sellPrice: float64

Location: Lat: 51.289171, Long: -4.289171
Name: (0-1000)

Buy Price

CoffeeBucks (Euro) Ltd
ID: 100001
10000

“Proof of Observation” – Cryptographic Token Generation from Satellite Observation



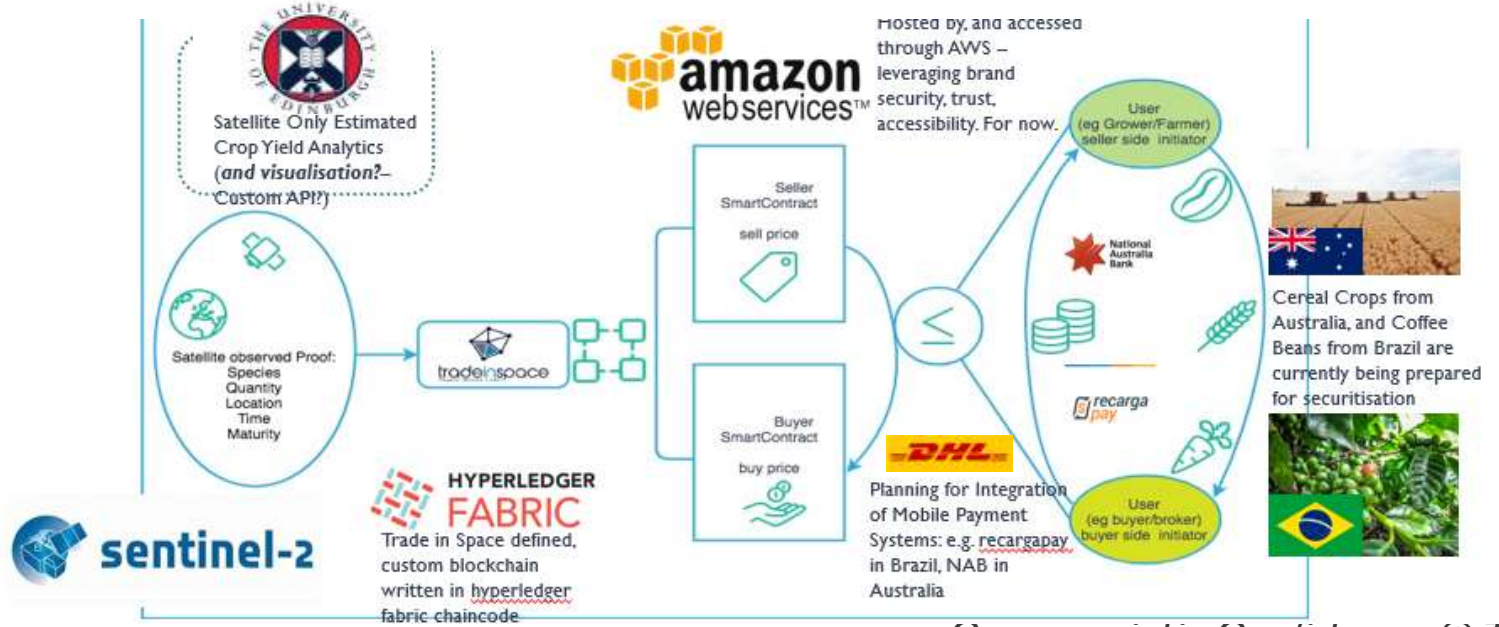
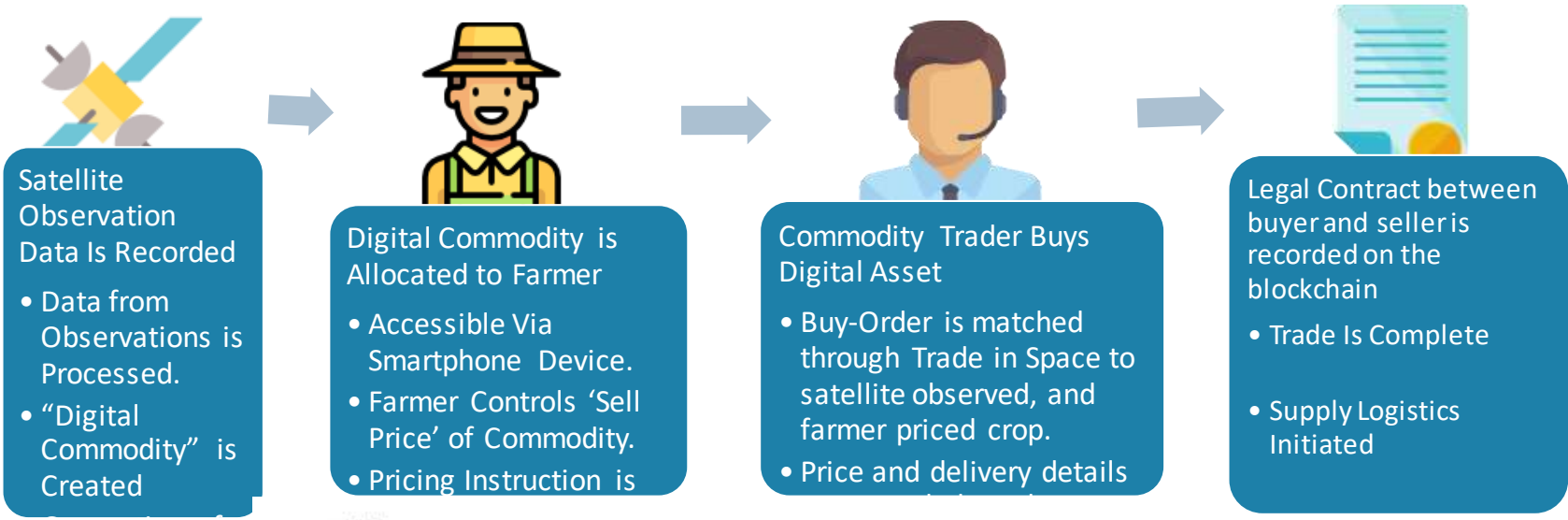
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Subject Species and Requirements From Coffee Traders



Process





More secure trading for Farmers and Buyers
using satellite verification and Blockchain technology



Login

User Name

Password

Login

OR

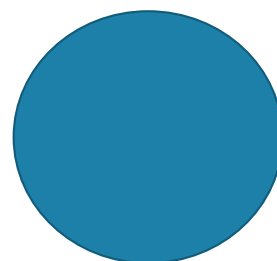
Sign Up



Market Size



Estimated \$500 million per
annum physical
agricultural trading fees
(addressable market)

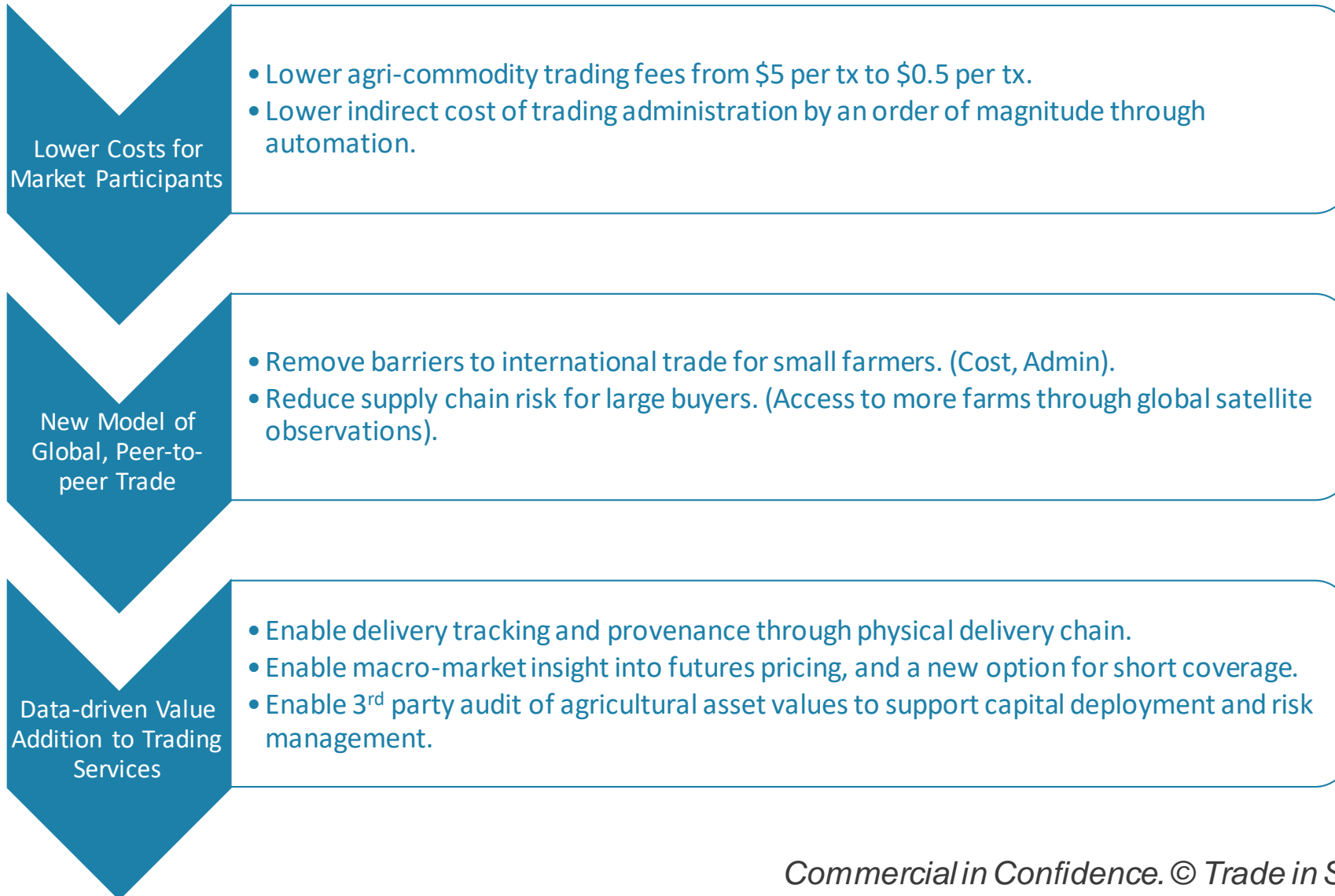


\$50 million per annum
physical agricultural
trading fees
(primary target market)



Based on figures published by the
Futures Industry Association.

Service Value Propositions



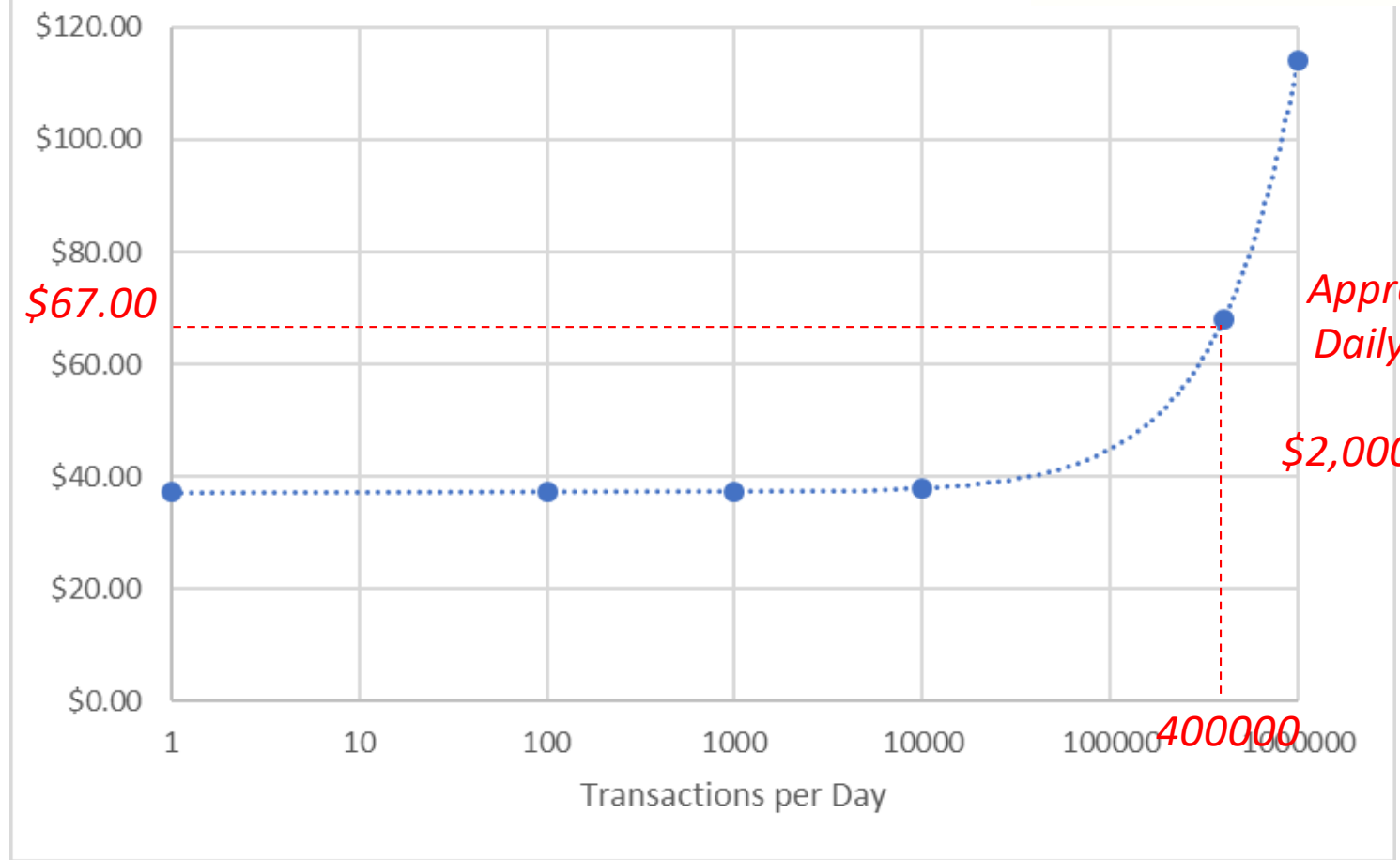


tradewinds

VS.



Daily Cost



\$67.00

Approximately 400000
Daily Coffee Trades on
Average =
\$2,000,000 per day direct
cost

400000



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