

Bringing Trust and Transparency to Agriculture

# BLOCKCHAIN: Agriculture Value Chain & Food Safety

BRIDIE OHLSSON |Projects & EngagementManager

@bridieohlsson



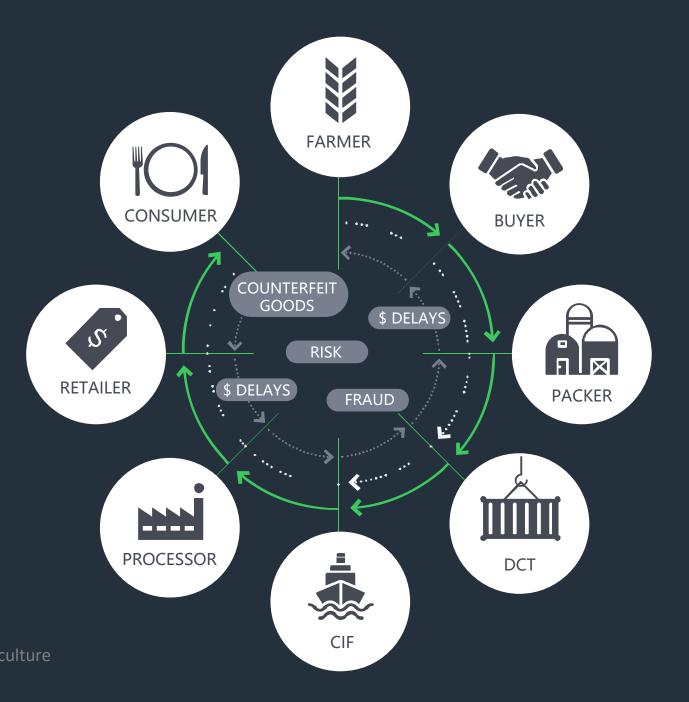


# Supply Chains Today



PHYSICAL TRADE
DATA
FINANCE

agri digital Bringing



# Digital Integrated Supply Chain



PHYSICAL TRADE



# Three big problems

#### FARMERS

don't receive payment for what they deliver when they deliver

#### **BUYERS**

cannot access finance they need to pay the seller on delivery

#### CONSUMERS

don't know where their food comes from



# The Future of Commodities

World's first settlement of a physical commodity on a blockchain

2016

agri digital

ringing Trust And Transparency To Agriculture

Digital title & provenance for agri-commodities

Programmable assets & seamless value exchange

Inventory finance & structured inventory products

2017

Launch of commercial blockchain protocol

2018

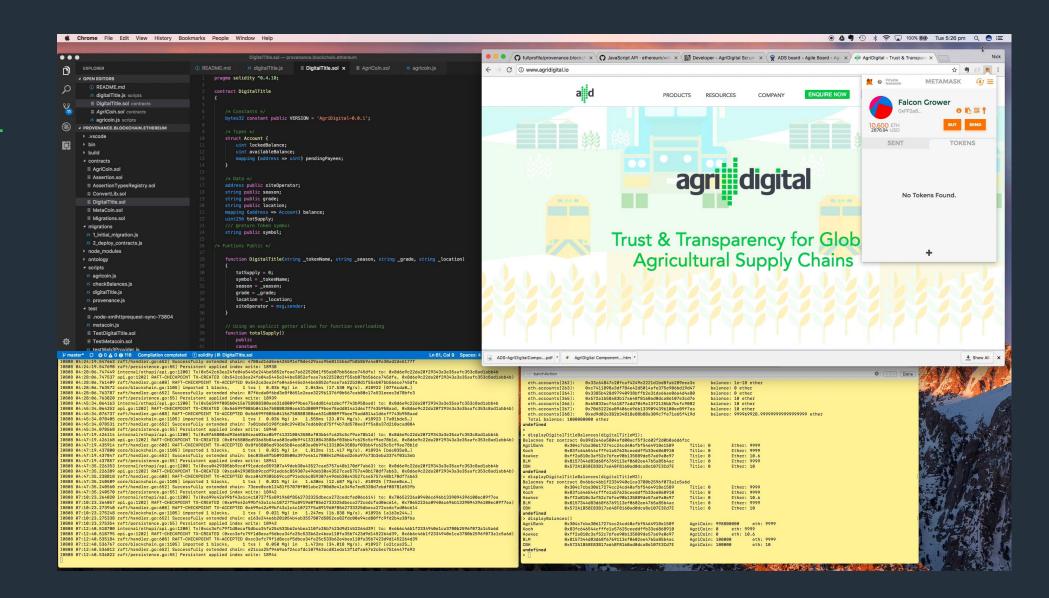
## Transaction & Payment Security



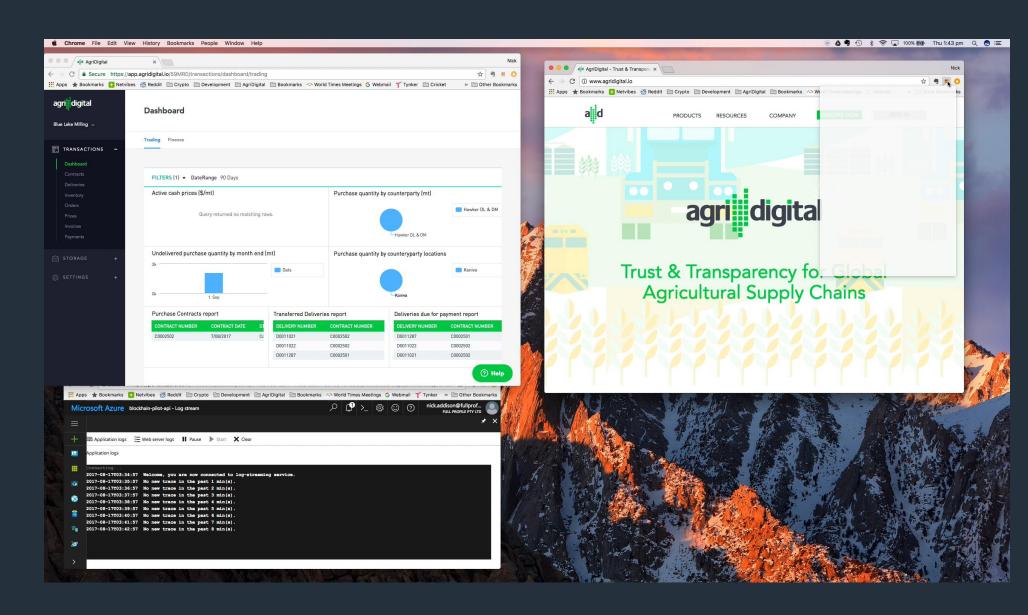




### Creating Digital Assets



### Payment & Title Transfer



#### Network & Market Efficiency



# agri digital 🕂 🍐 Rabobank



 Other

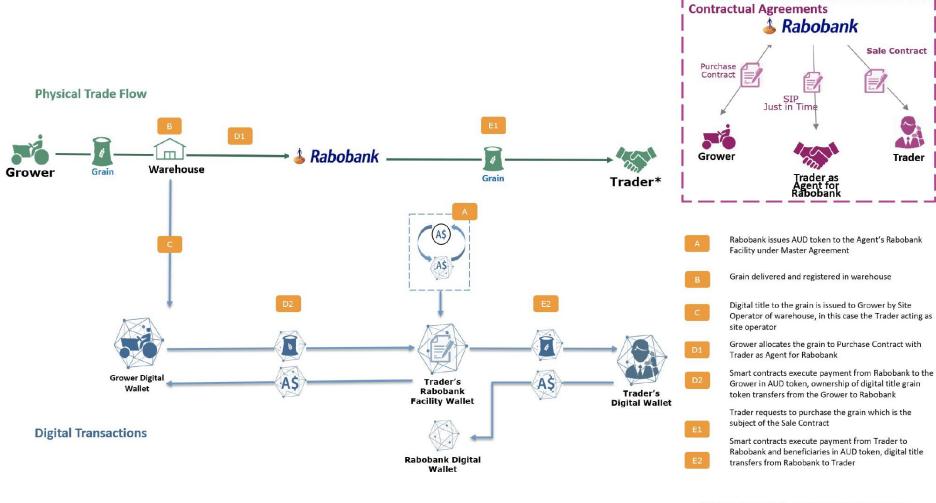
 Solutions:

 bext360

 Image: Solution of the seam

 Image: Solutio of the seam</

#### Trade Finance



© Full Profile Pty Ltd and Coöperatieve Rabobank U.A.

\*Trader is acting as the site operator, agent for Rabobank in the Purchase Contract and the final buyer of the grain.

## Traceability & Chain Assurance



Case Study:

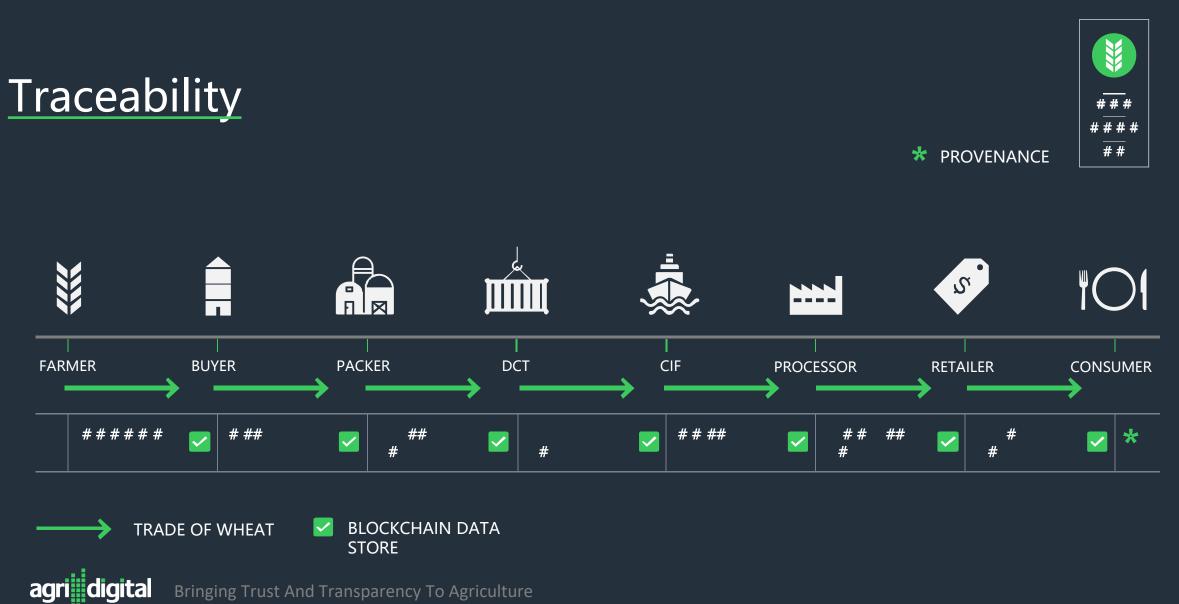
# agri digital 🗕



Other Solutions: PROVENANCE Walmart >'<



Carrefour

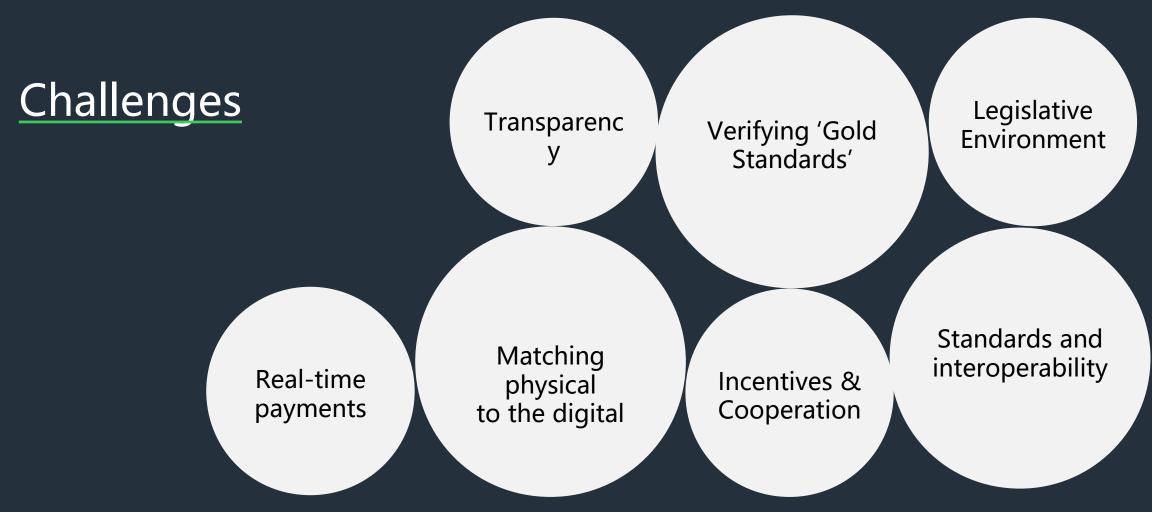


## Chain Assurance

3

9

ASSERTION	Provenance						
Certified Organic Farm							
Assertion	Run is organic: True						
Clean Silo Assertion	The run is certified as organic						
	Chantel Organics						
Clean Truck Assertion							
Enter delivery into AgriDigital							
Huller Bins Register ZERO							
New Internal Bulk Bags Assertion							
Batch Run Changeover	Delivery information						
First 500KG Diverted to	Delivery Name	Delivery Date	Stora	ge Name	Site Name	Farm of origin	Truck Rego
Conventional	Delivery #1	2017-08-24T09:31:47	Feede	er Silo	Bordertown	Phillips Farm	WNY-827
	Delivery #2	2017-08-24T08:32:26		er Silo	Bordertown	Phillips Farm	WNY-827
OB Code Constant	Delivery #3	2017-08-24T07:55:28	Feede	er Silo	Bordertown	Hanley Farm	WNY-827
QR Code Generaled	QR Code Generated						
	Farm Name		Certified as organic from			Certified as organic to	
	Phillips Farm		2017-	01-01T01:00:00		2018-01-01T01:00:00	
	Hanley Farm		2017-	01-01T01:00:00		2018-01-01T01:00:00	
	Truck information						
	Truck Rego			Certified as clean on			
	WNY-827			2017-08-24T09:28:00			



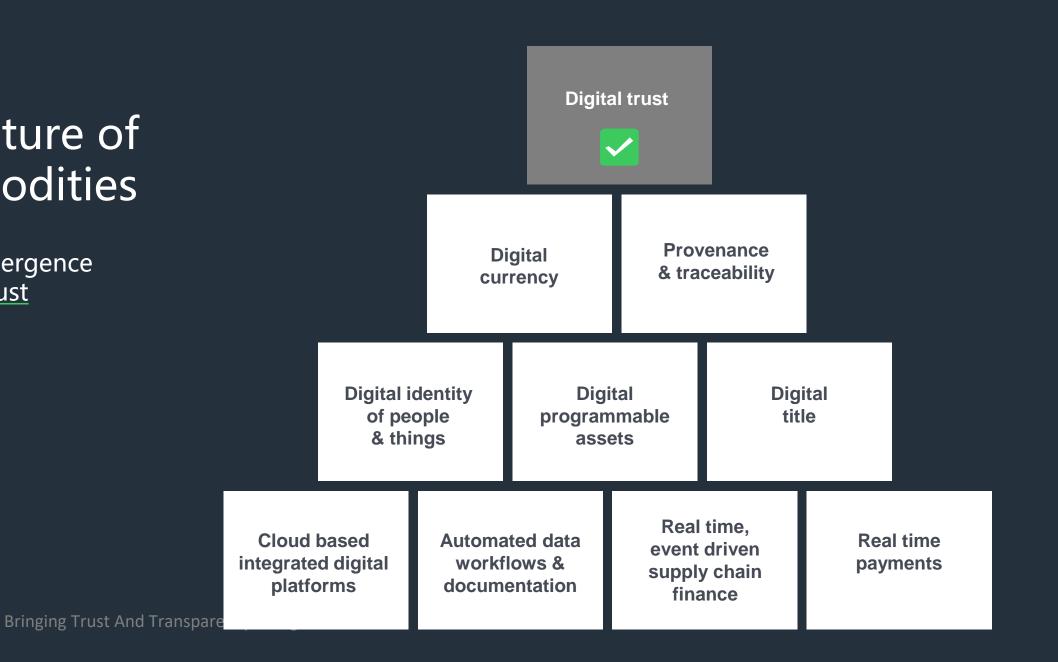


Bringing Trust And Transparency To Agriculture

# The Future of Commodities

And the emergence of digital trust

agri digital



### Thank You

# agridigital.io @bridieohlsson

