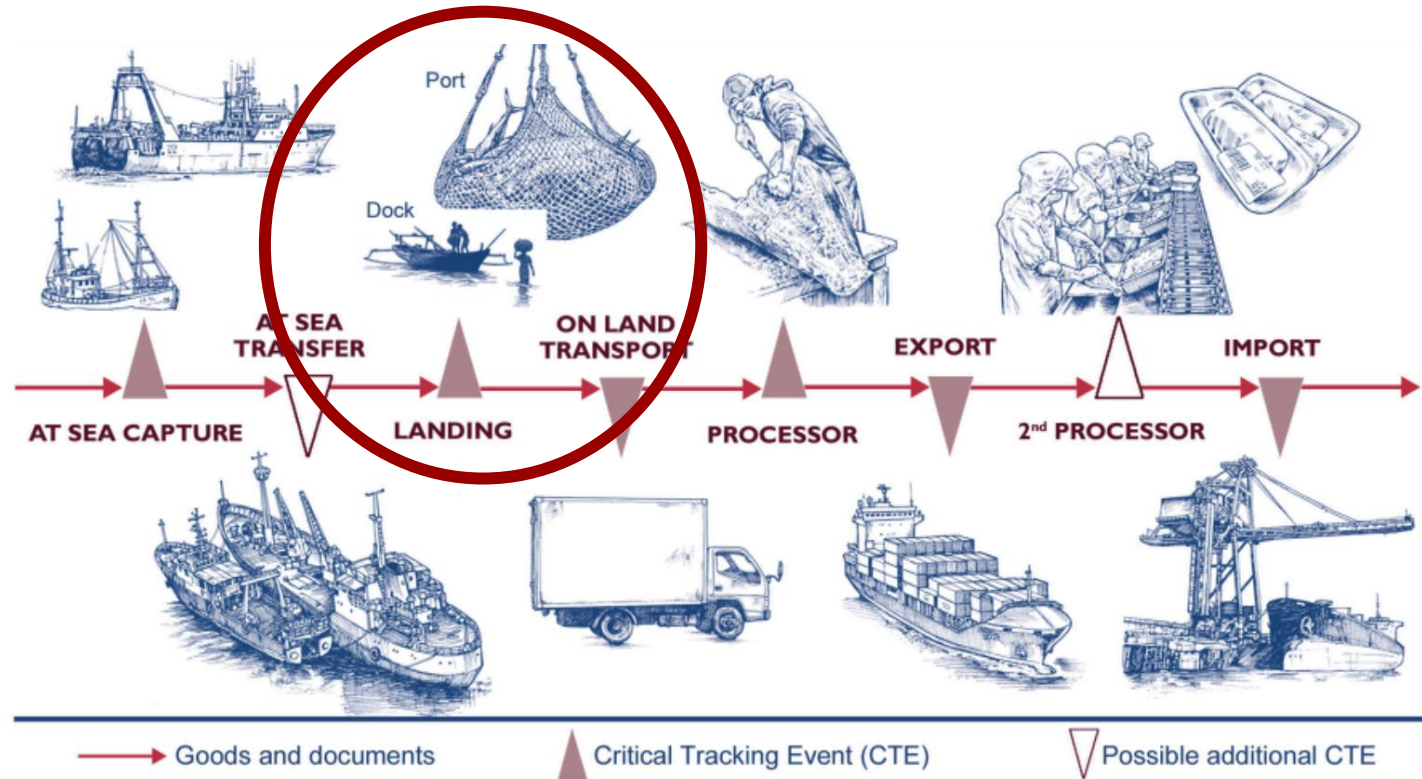
































prepared by Dien Wong (Altermyth)

# First, traceability at Landing













# First, Traceability at Landing

							
<b>Seafood Supply Chain</b>	At sea capture (small scale; >4 to <30 MT)	At sea capture (medium scale; >30 MT)	Port	Buyer/Broker	Shipper (land or boat; domestic)	Processor (1 <sup>st</sup> , 2 <sup>nd</sup> etc.)	Shipper (air or ship; export)
<b>Current:</b> Typical data capture method (not integrated across supply chain)	 None, or paper	 None, or paper	 Paper or electronic	 Paper or electronic	 Paper	 Paper and electronic	 Paper and electronic
<b>Who</b>	Captain	Captain	Company and Port Authority (government)	Buyer/Broker (company or agent)	Shipper (company)	Processor (company)	Shipper and Export Authority (government)
<b>Data/Document Type</b>	Logbook and Captain's certificate	Logbook and Captain's certificate	Catch certificate / document	Purchase order	Manifest or delivery order	Raw material, batch ID; finished good ID	Certificate of Origin; Packing list; Health certificate; Bill of lading
<b>Future:</b> Data capture method via USAID Oceans' CDT System (integrated across chain)	 Mobile data collection device; pushed to DEX*	 Mobile data collection device; pushed to DEX	 Mobile data collection device; pushed to DEX	 Data submission into DEX; cloud storage	 Data submission into DEX; cloud storage	 Data submission into DEX; cloud storage	 Data submission into DEX; cloud storage
<b>CDT data submission method</b>	 Cell or satellite	 Cell or satellite	 Cell or WiFi	 Internet	 Internet	 Internet	 Internet

\*Data Exchange (DEX)

# Why matters for the small-scale fisheries

Seafood Supply Chain		
	At sea capture (small scale; >4 to <30 MT)	At sea capture (medium scale; >30 MT)
Current: Typical data capture method (not integrated across supply chain)		
	None, or paper	None, or paper
Who	Captain	Captain
Data/Document Type	Logbook and Captain's certificate	Logbook and Captain's certificate
Future: Data capture method via USAID Oceans' CDT System (integrated across chain)		
	Mobile data collection device; pushed to DEX*	Mobile data collection device; pushed to DEX
CDT data submission method	 	 
	Cell or satellite	Cell or satellite

- Limited capacity
  - Low tech
  - Low budget
  - Low capacity
- Focused on fishing
  - 1-2 catch per trip
  - Hand-line fishing
  - Traditional boat



# Trafiz as the broker/supplier tools



First to record the data from the small-scale fishermen

Seafood Supply Chain	At sea capture (small scale; >4 to <30 MT)	At sea capture (medium scale; >30 MT)	Port	Buyer/Broker	Shipper (land or boat; domestic)	Processor (1 <sup>st</sup> , 2 <sup>nd</sup> etc.)	Shipper (air or ship; export)
Current: Typical data capture method (not integrated across supply chain)							
	None, or paper	None, or paper	Paper or electronic	Paper or electronic	Paper	Paper and electronic	Paper and electronic
Who	Captain	Captain	Company and Port Authority (government)	Buyer/Broker (company or agent)	Shipper (company)	Processor (company)	Shipper and Export Authority (government)
Data/Document Type	Logbook and Captain's certificate	Logbook and Captain's certificate	Catch certificate / document	Purchase order	Manifest or delivery order	Raw material, batch ID; finished good ID	Certificate of Origin; Packing list; Health certificate; Bill of lading
Future: Data capture method via USAID Oceans' CDT System (integrated across chain)							
	Mobile data collection device; pushed to DEX*	Mobile data collection device; pushed to DEX	Mobile data collection device; pushed to DEX	Data submission into DEX; cloud storage	Data submission into DEX; cloud storage	Data submission into DEX; cloud storage	Data submission into DEX; cloud storage
CDT data submission method							
	Cell or satellite	Cell or satellite	Cell or WiFi	Internet	Internet	Internet	Internet

\*Data Exchange (DEX)

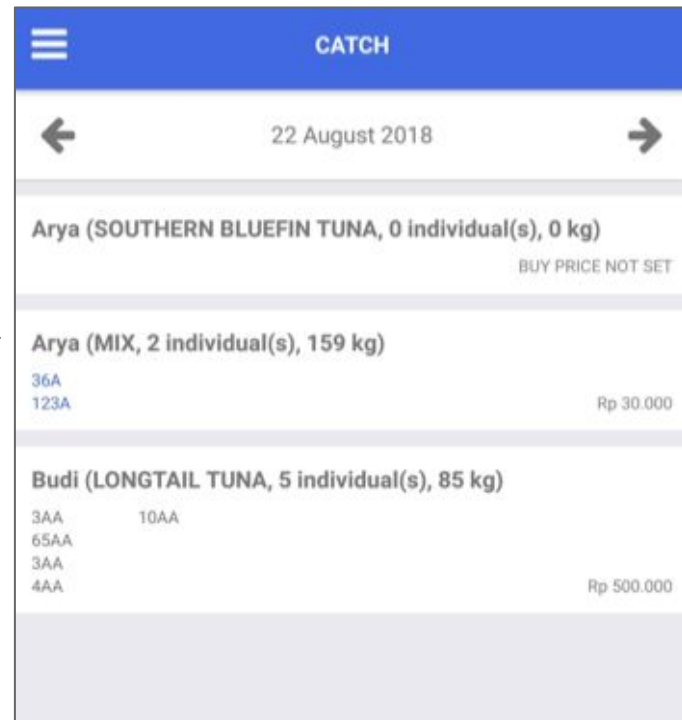
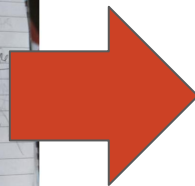
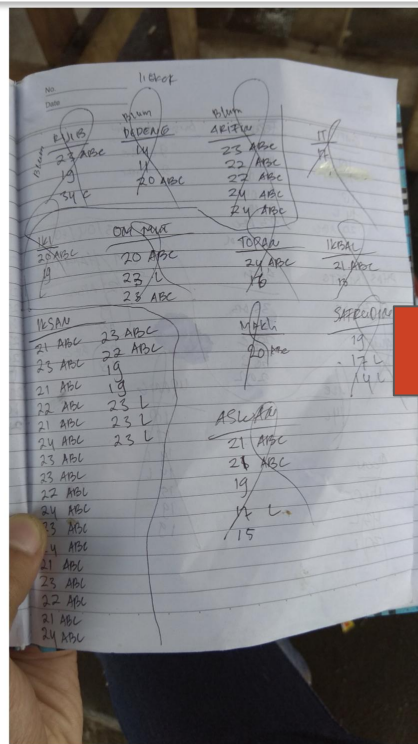
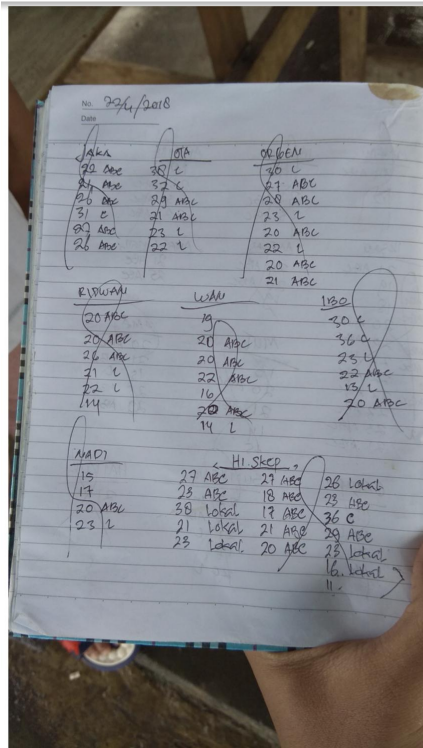




# Trafiz as the broker/supplier tools



Convert the daily operation seamlessly from manual to digital, with a lot of upsides, including electronic catch data recording.



# Trafiz as the broker/supplier tools



Seamlessly helped to improve their business (supplier and fishermen) just by diligently entering the catch data.

**LOAN LIST**

Budi (FISHERMAN)  
5 item(s), estimated Rp 650.000

07 July 2018  
2 item(s), estimated Rp 30.000

Peralite 3 Liter [ELIZA OCTAVIANIE]	Rp 30.000
Peralite 3 Liter [ELIZA OCTAVIANIE]	Rp 30.000

02 August 2018  
1 item(s), estimated Rp 400.000

Peralite 40 Liter	Rp 400.000
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25 August 2018  
1 item(s), estimated Rp 100.000

Es 10 Unit [ELIZA OCTAVIANIE]	Rp 100.000
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20 September 2018  
1 item(s), estimated Rp 120.000

Peralite 12 Liter [ELIZA OCTAVIANIE]	Rp 120.000
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**PAY LOAN**

**ADD LOAN**

**DELIVERY LIST**

Bright Noa (3 unit, 70 kg)  
[ADHI TRAHONO]

5-1CLH84KF0 30 kg Grade A Amuro Ray/2018-08-22 [ADHI TRAHONO]	<b>DELETE</b>
5-1CLH86J1B 20 kg Grade B Amuro Ray/2018-08-22 [ADHI TRAHONO]	<b>DELETE</b>
5-1CNJEVF9P 20 kg Grade B Amuro Ray/2018-09-16 [ADHI TRAHONO]	<b>DELETE</b>

Sell price: Rp 0  
Notes:

**DELETE**

**SET SELL PRICE**

**CLOSE TRANSACTION**

**FISHERMAN/SUPPLIER REPORT (2/2)**

Amuro Ray (FISHERMAN)  
10 September 2018 - 17 September 2018

TOTAL RESULT:	Rp 5.300.000
TOTAL LOAN:	Rp 0
BALANCE:	Rp 5.300.000

16 September	Result:	Rp 5.300.000
	Loan:	Rp 0

**PRINT**

**TRAFIZ**

August 2018 **CHANGE**

EXPENSE:	Rp 8.592.700
INCOME:	Rp 45.540.670
PROFIT:	Rp 36.947.970

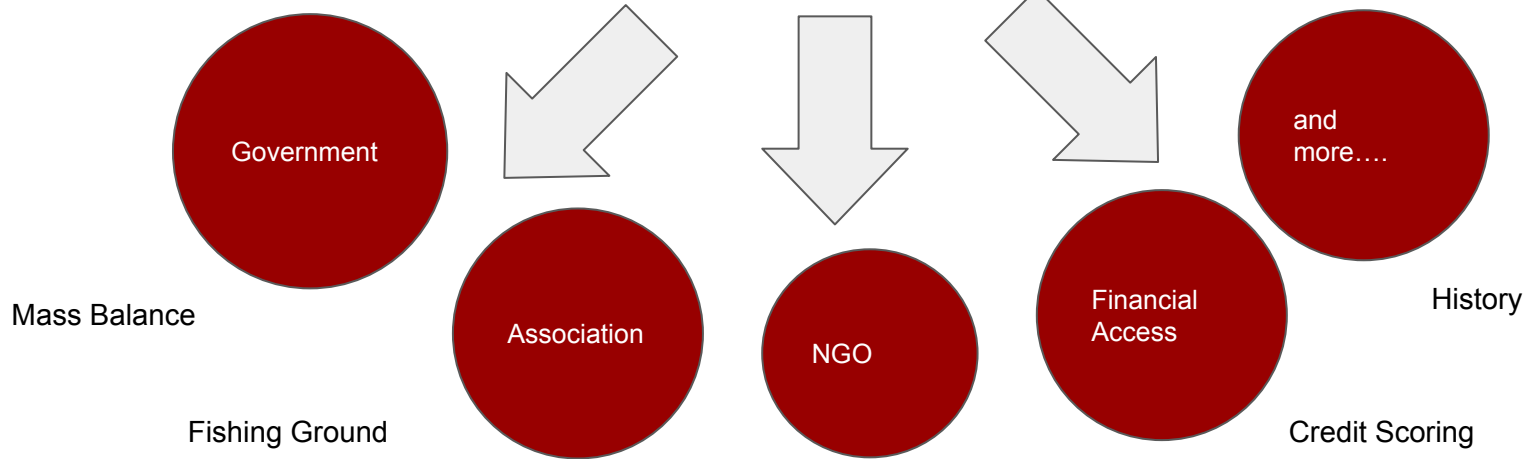
25 August	Expense:	Rp 100.000
	Income:	Rp 10.000.000 →
	Profit:	Rp 9.900.000
24 August	Expense:	Rp 0
	Income:	Rp 2.305.000 →
	Profit:	Rp 2.305.000
23 August	Expense:	Rp 2.678.000
	Income:	Rp 0 →
	Profit:	Rp -2.678.000
22 August	Expense:	Rp 530.000
	Income:	Rp 2.000.000 →
	Profit:	Rp 1.470.000
19 August	Expense:	Rp 0
	Income:	Rp 30.000.000 →
	Profit:	Rp 30.000.000
11 August	Expense:	Rp 48.000
	Income:	Rp 0 →

**PRINT**

# Current and future use case scenarios



Supplier	Fisherman	Kg
Ebrahim	35	82650
Muchsin	67	2089





# Trafiz interoperability design

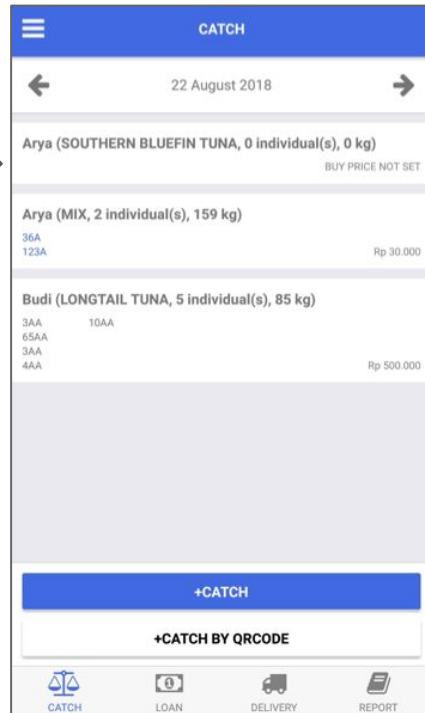


Prepared to read the data from other sources, and provide data to other sources.

Logbook, At Sea eCDT system, or Other Suppliers

Manual Entry

QR Code, API\*



API, SMS, QR Code, Manual (Print/PDF)

TRAFIZ DELIVERY SHEET (1/3)

Delivery sheet no: DS-1F-1D76BVOKS Supplier nat. reg. code: 40f649  
Delivery date: 19-02-08 Vessel name: KM. BONE RAYA - 02  
Vessel size: 3 Vessel reg. no: C.SB / No.542  
Expired date: Vessel flag: ID  
Fishing ground: 716 Gear Type: MIS  
Landing site: Manado Landing date: 19-02-07  
Fisherman: Iwan

Fish ID	Species	Grade	Unit	Weight
TF-1D35D4NFP	YFT	AB	Lotn	64
TF-1D35D4RQ2	YFT	AB	Lotn	45
TF-1D35D4UEJ	YFT	AB	Lotn	55
TF-1D35D5LJ0	YFT	AB	Lotn	43
TF-1D35D5CHD	YFT	C	Lotn	51
TF-1D35D5SIDG	YFT	C	Lotn	47
TF-1D35D5L3C	YFT	C	Lotn	48
TF-1D35D644V	YFT	C	Lotn	36



Processor or Other Suppliers (currently integrating with Tracetales)

DS-5-1CLH93RNA;asdf123;18-08-2  
3#White base;;1234567;;ID;  
712;FWR;Pekalongan;  
18-08-22;Amuro Ray  
#5-1CLI6F5E2;LMD;C;Whole;  
20#5-1CLI6FJ0J;LMD;C;Whole;  
30#5-1CLI6FQS0;LMD;A;Whole;10

133 / 3

Human-readable format, just in case offline capability needed.

# Trafiz features



← +FISH

GOLDEN TROUT (3 individual(s), 105 kg)  
20B 35B 50AA

DELETE

OAA

ADD FISH

1	2	3	A	B
4	5	6	C	D
7	8	9	E	F
.	0	DEL		DEL

Fast Entry

← EDIT CATCH

FAD Use Yes

Product Form At Landing (mandatory) Loin

Unit Measurement Individual

Fishing Ground/Area (mandatory) 712,S19

Purchase Location

Date of Vessel Departure (mandatory) 14 September 201

Date of Vessel Return (mandatory) 16 September 2018

Port Name/Landing Site (mandatory)  
Pekalongan

SAVE

Help to define KDEs for compliance and traceability

☰ CATCH

OFFLINE MODE

← 13 August 2018 →

trafiz

- หน้าแรก
- แก้ไขโปรไฟล์
- ลงทะเบียนซีพหลายเออร์
- ลงทะเบียนผู้ซื้อ
- ลงทะเบียนชาวประมง
- ลงทะเบียนเรือประมง
- ลงทะเบียนปลา
- เปลี่ยนรหัสผ่าน
- เปลี่ยนภาษา

Offline Capability

Multi-Language

# Ready to implement your own Trafiz?

[dienw@altermyth.com](mailto:dienw@altermyth.com)