

Traceability in FISK Seafood



Reliable solution

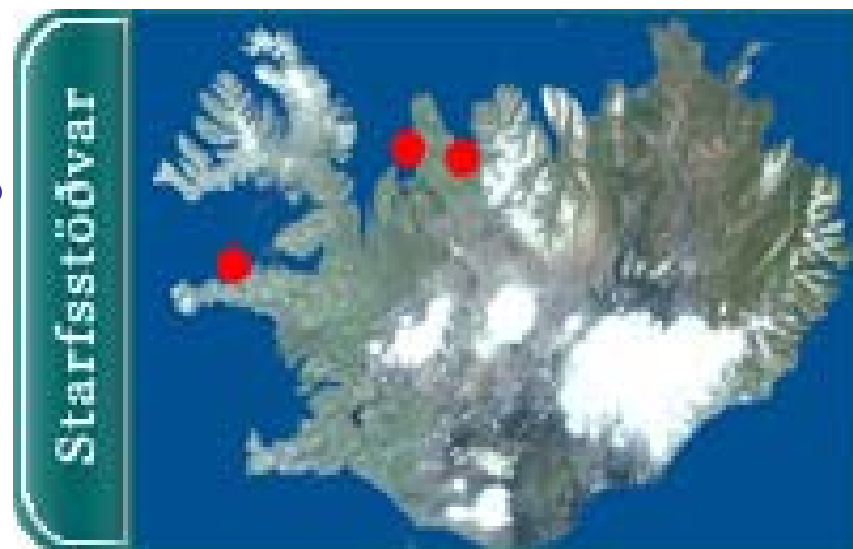
Gísli Svan Einarsson
Verið Vísindagarðar/Science Park

Traceability in FISK Seafood

- About FISK Seafood
- History, partners
- Why Traceability in the seafood industry
- Using RFID in the seafood industry
 - What was FISK motivation to choose RFID
 - Overview
 - The technology
 - RFID in fish tubs
 - Onboard trawler processing
 - Plant processing
 - The Main Course

FISK Seafood Ltd

- Fish and shrimp factories (3 locations)
- 3 freezing and 1 fresh fish trawlers
- Quota 25.000 tons
- One of the five biggest quota owners in Iceland
- About 300 employees





THE PURITY
FISK
OF ICELAND



Partners in the RFID fish tub project

- FISK Seafood
- Maritech (Software, hardware)
- Saeplast (plastic tub producer)
- Matís (Traceability, quality)



maritech

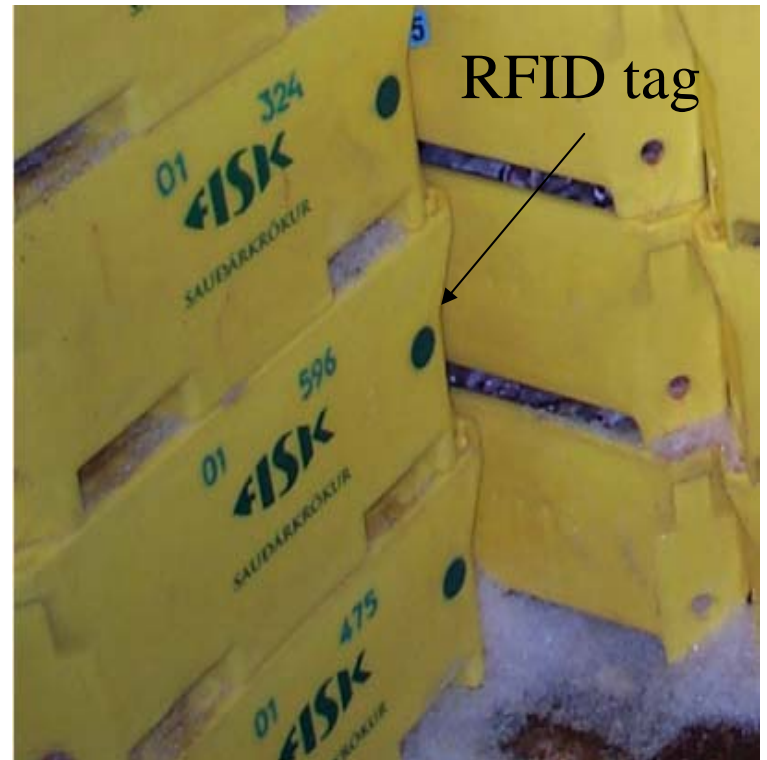
saeplast



History

The RFID fish tub project origin

- Start History
The RFID fish tub project originated 2001
- Traceability
- Reliable solution
- Tagging of fish tubs



Why RFID in the seafood industry ?

- Traceability
 - Traceability important in all food production
 - Traceability requires more registration
- RFID used, simplifies registration
- More reliable registration
- Wireless reading/writing
- Difficult environment in the seafood industry, wet, salted and rough

What was FISK motivation to choose RFID

- Get better information about catch and also better control
- Faster and more reliable sending of information about tubs to IT system
- Faster processing during landing
- Better control of the flow of the fish through the process (process the oldest fish first)
- Traceability, precondition for process forecast



Traceability from catch to processing

- Onboard processing
- Landing
- Processing



Process in plant Landing / Production

- Sorting into a cold store/market
- Reading on a fork lift
- Shows content of the fish tubs
- RFID reading at tub turn over
- Registering to production



The Main Course



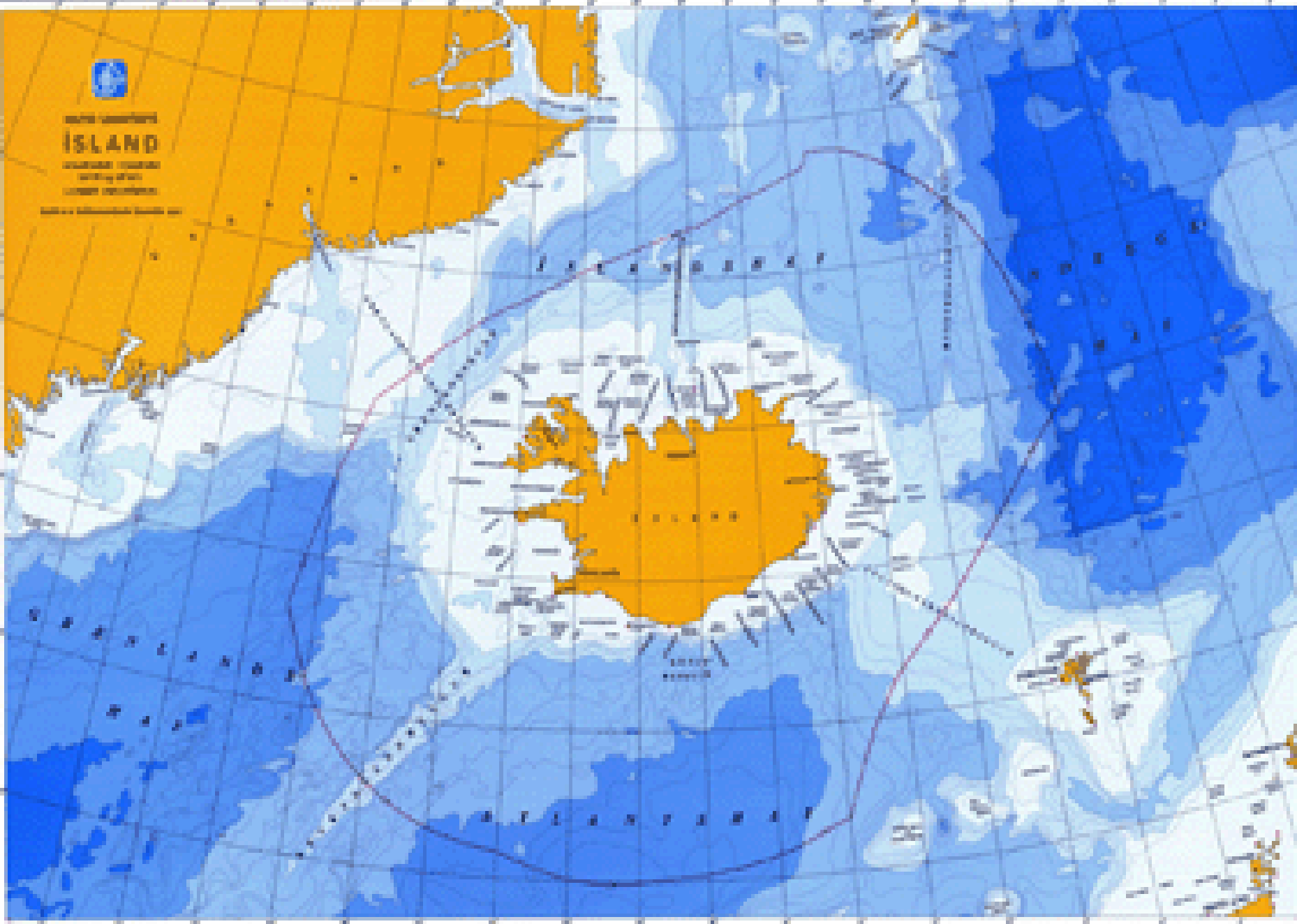
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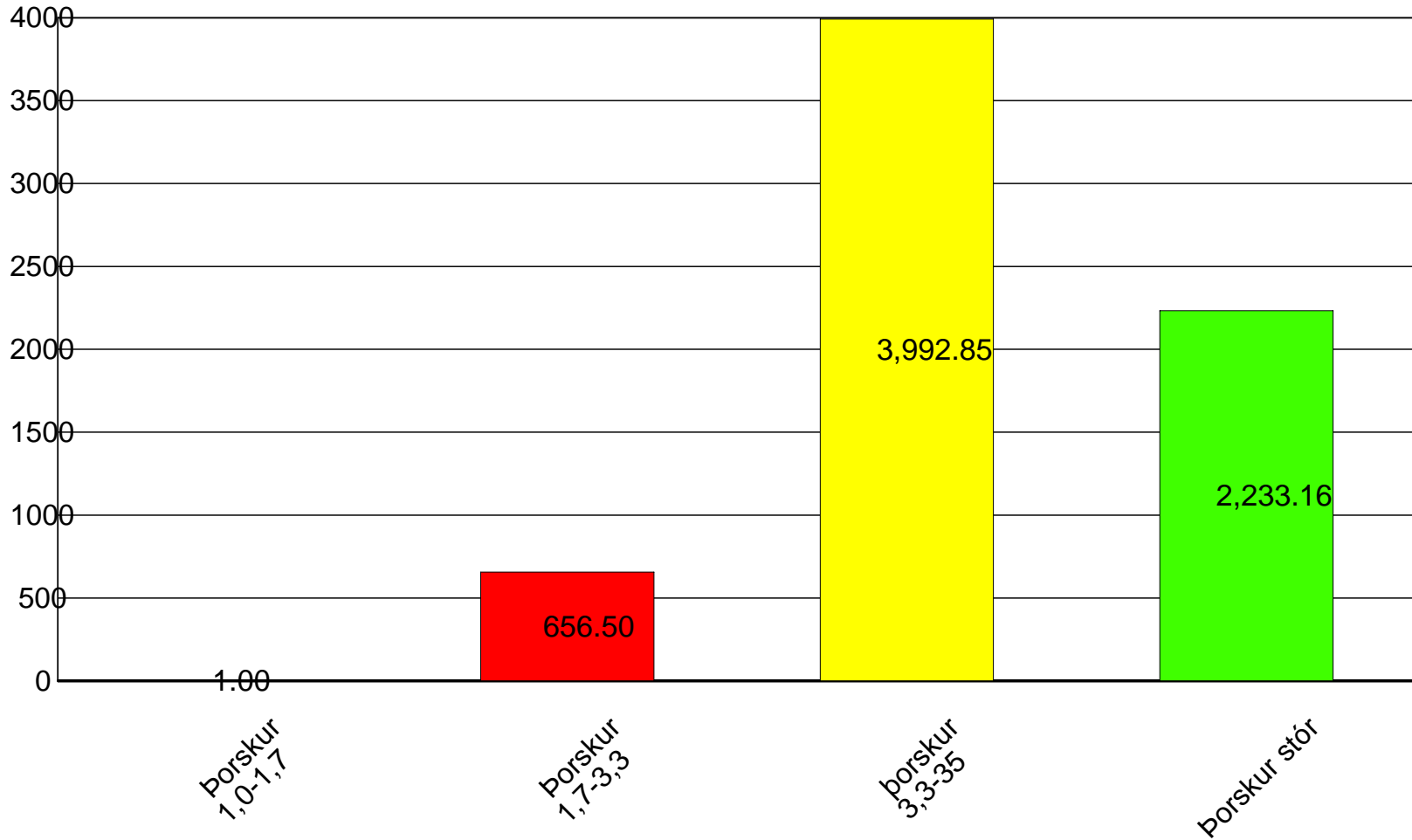
Niðurstöður flokkunar

- Skip; Örvar
- Mið; Þórsbanki
- Veiðidagur 30.05.07

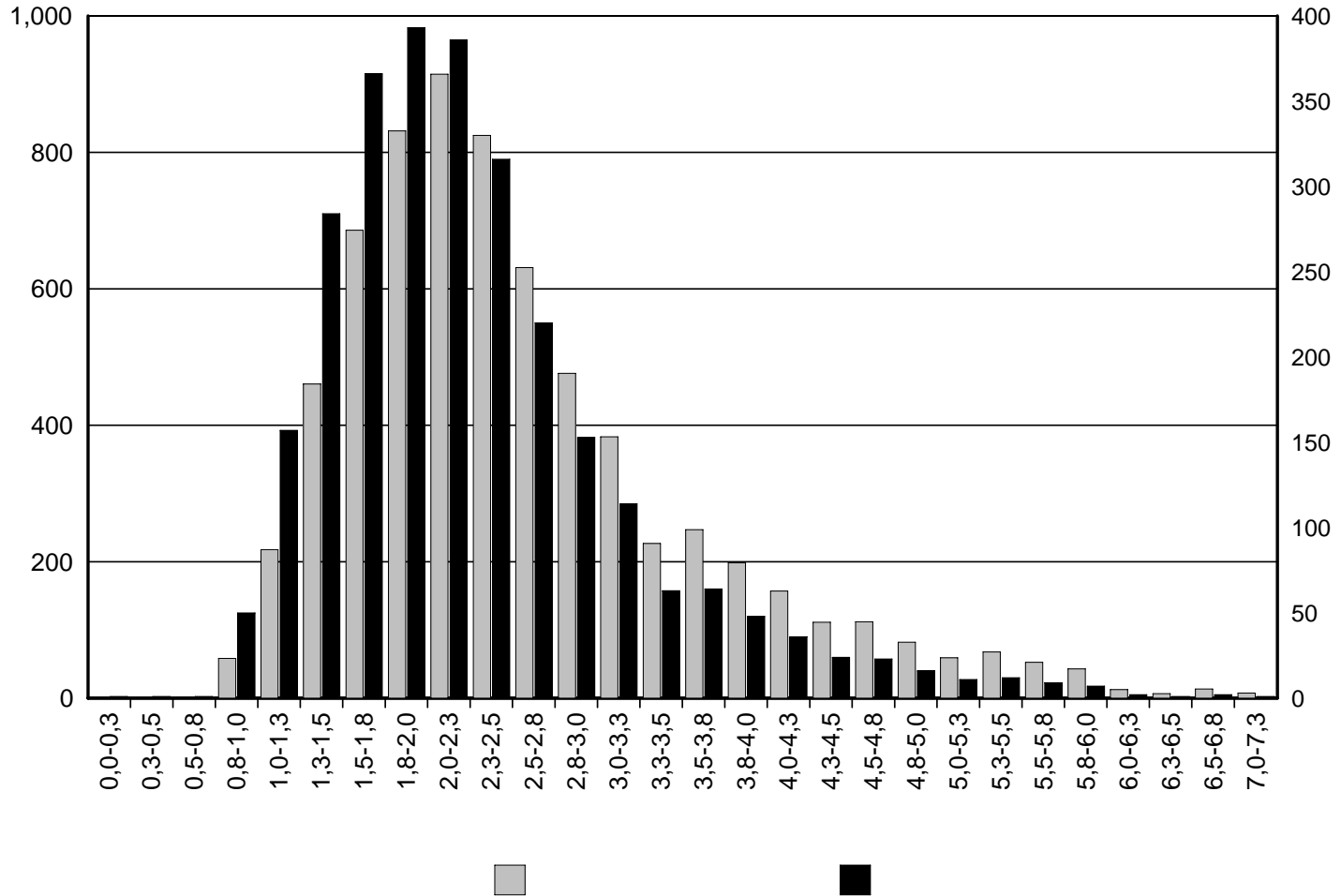
Afurð	Fj.fiska	H.pyngd	Mp
Þorskur 1,0-1,7	2	1	0,500
Þorskur 1,7-3,3	445	656	1,475
Þorskur 3,3-35	1.736	3.992	2,300
Þorskur stór	578	2.233	3,864
	2.761	6.883	2,493

	Fjöldi fiska	Heildar þyngd	Meðalþyngd
Samtals fyrir veiðiferðV 17 07	2.761	6.883	2,493

Súlurit sem sýna sýnir skiptingu í stærðarflokka



Stöplarit sem sýnir stærðardreifingu



Takk fyrir

