

AqKva Al Conference, 4 June 2025

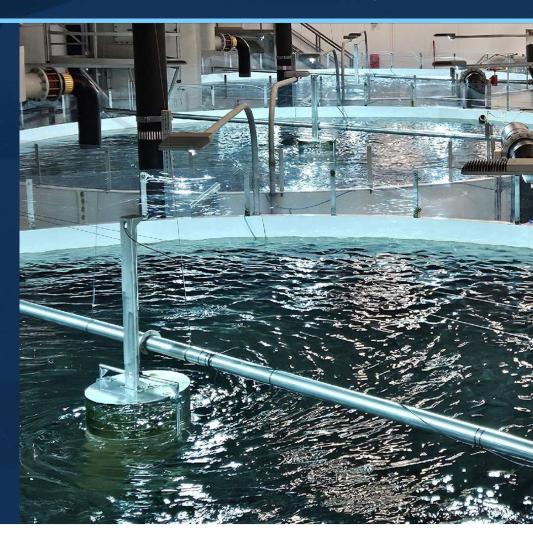
by Øystein Falch | o.falch@reeldata.ai

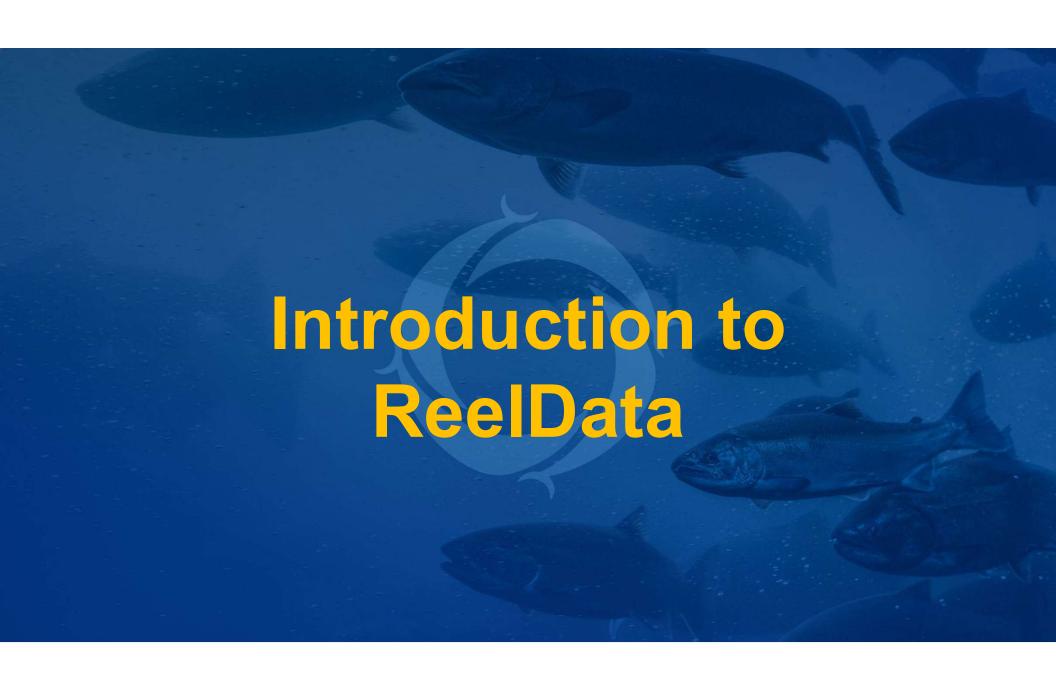
Our Mission



1 Introduction to ReelData

De-risking land-based aquaculture;
4x case studies





Our Mission



Help land-based producers improve...

- production efficiency
- fish health
- operational control

...using Al technology



Problems and Solutions



P

Feeding

Biomass and size variations

Fish Health

S

ReelAppetite



ReelWeight



ReelHealth



Market traction – 183 products; 22 users; 9 countries



Country	Reel Appetite	Reel Weight
Norway	18	5
Iceland	37	2
Scotland	4	3
Canada	16	4
Chile	8	6
USA	72	0
Europe Other	0	3
		8= ,



4x client case studies

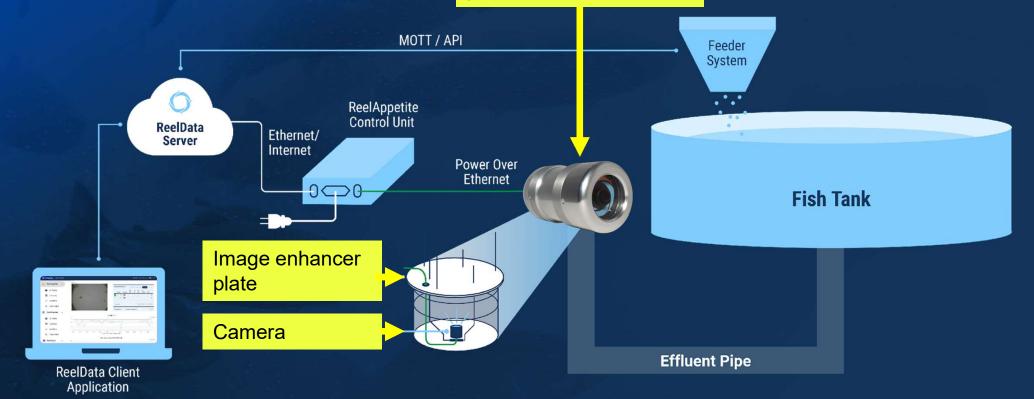


- with ReelAppetite

ReelAppetite System

Camera sits in your effluent pipe counting pellets





ReelAppetite: In Action









Risk #1

Overfeeding

Impact

- load on mechanical filters
- reduced efficacy of biofilters¹⁾
- wasted cost

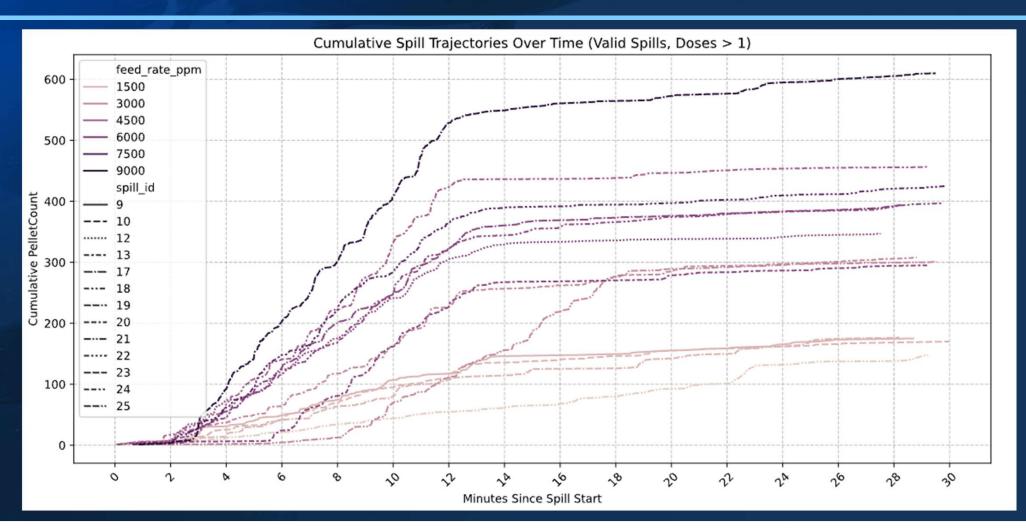
ReelAppetite



1) The energy in the spilled feed promote heterotrophic bacteria growth that outcompetes nitrifiers for oxygen and space in the biofilters

Risk #1: Overfeeding





Risk #1: Overfeeding





Risk #1: Overfeeding







Risk #2

 Underfeeding (non-adaptive feeding)

Impact

- Reduced growth
- Increased size variations ¹⁾

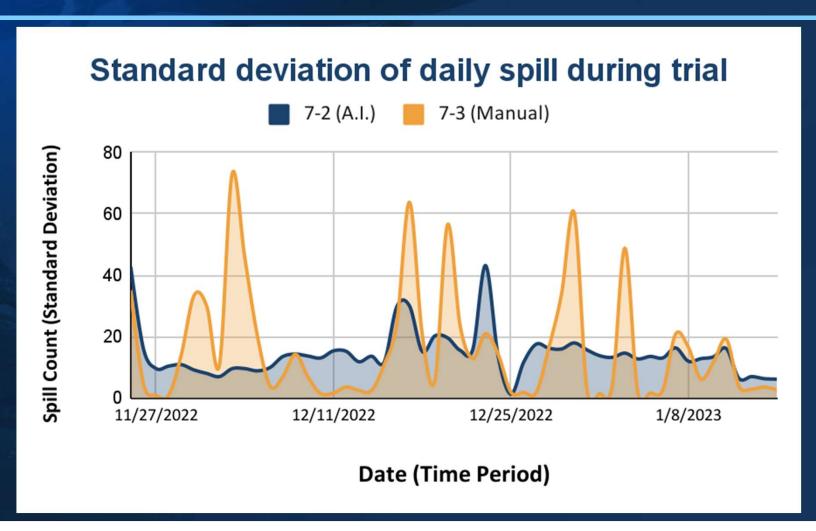
ReelAppetite



1) The larger and more aggressive fish outcompetes the smaller or less aggressive fish resulting in increasing size variations

Risk #2: Underfeeding





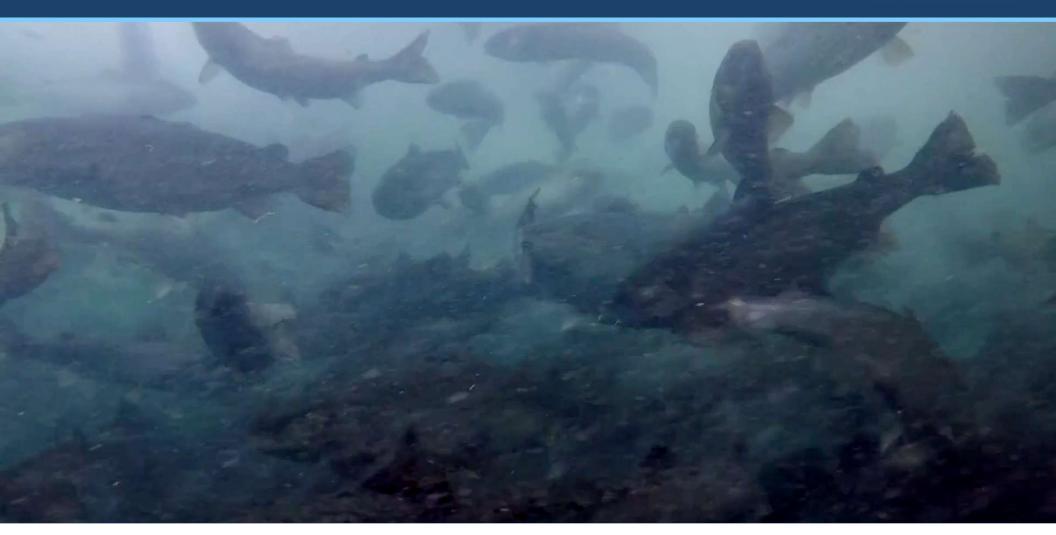




- with ReelWeight

ReelWeight: In Action







Risk #3

Stressful manual sampling

Impact

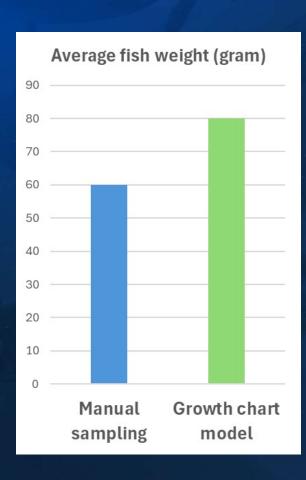
- lost growth
- reduced fish welfare
- risk of overfeeding events

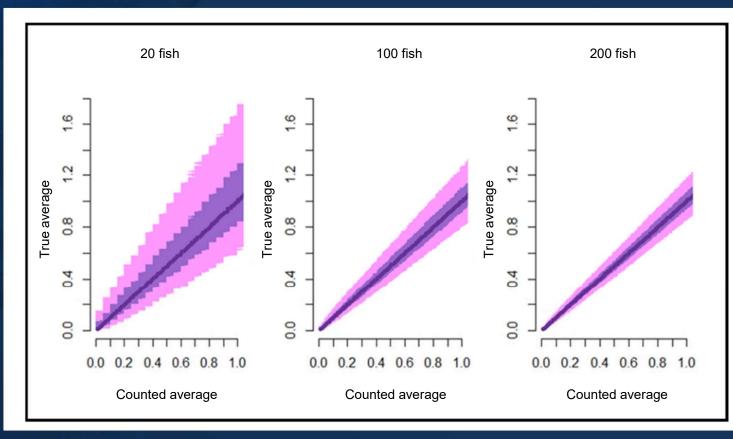
ReelWeight



Risk #3: Stressful manual sampling









Risk#4

 Inaccurate population estimates

Impact

- Missing sales order fulfillment
- Risk of overfeeding and underfeeding events ¹⁾

ReelWeight



1) With manual feeding; NOT a risk with A.I. feeding

Risk #4: Inaccurate population estimates



