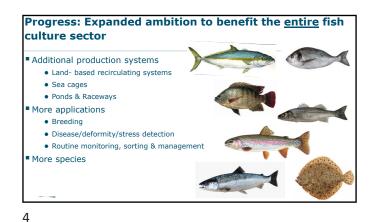


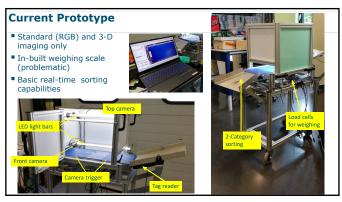
Background & Objective The problem: Breeding and management decisions require data on feed conversion efficiency, health and welfare, stress, flesh quality, nutritional composition etc. that are currently difficult and costly to measure The solution: Combine existing imaging technologies (e.g. 3-D, Multi-spectral, X-ray, ultrasound, NMRI) and advanced artificial intelligence into a high-throughput system The approach: Build a consortium of producers, researchers and computer scientists to identify requirements and develop a research & development strategy The product:

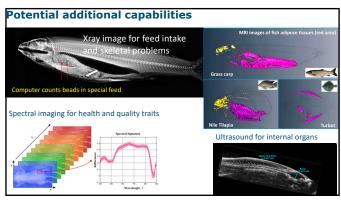
Comprehensive research and development plan/proposal to design, build and validate a practical, high-throughput system for routine management decisions and selective breeding

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