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Intelligence

New tool enables continuous monitoring of fish farming operations

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By Responsible Seafood Advocate

Manolin: Putting real-time fish farming data in one place has 'great potential' to improve production

Manolin (<https://manolinaqua.com/>), a Norwegian software and data analytics company, has added real-time systems integrations with three major service providers onto its platform for continuous monitoring of aquaculture operations.

Fish farmers can now pull PCR test result information from Patogen AS, environmental monitoring from Meox AS, and farm production data, including sensor information, from Cognite. It gives Manolin's clients access to previously unseen insights on the impact of daily farm management decisions.

"Bringing all farm information to one place allows farmers to see much more clearly the state of production every day," said Tony Chen, Manolin co-founder and CEO. "This saves time and effort manually pulling reports from many different sources and connecting that to the right team members. Beyond that, feeding all of this information into one platform means farmers can continually assess their performance and improve. It means continuous monitoring, rather than periodic assessments when (and if) time allows."

By combining more real-time sensor data, historic farm data, PCR results and more onto Manolin's platform, farmers can assess treatment and service provider choices in real-time. The platform also



Manolin's platform now offers real-time systems integrations with three major service providers, which will enable continuous monitoring of fish farming operations and possibly lead to improved production. Photo courtesy of Manolin.

benchmarks each farmer's production against the entire industry and alerts farm teams to increased risk of fish health issues using machine learning.



(<http://info.globalseafood.org/goal-2022-save-the-date>).

"Farmers today need to manage information from many different sources in order to make the best decisions," said John Costantino, co-founder and CTO of Manolin. "We're excited to be adding more integrations that will make data accessible throughout the organization but also identify the risk factors contributing to each farmer's unique fish health profile. For example, which conditions are leading to more disease, mortality events, or ineffective lice treatments."

“The ability to find lab results, environmental information and farm data in one place has great potential to improve our production,” said Andreas Skagøy, Fish Health Manager at Måsøval Fiskeoppdrett. “With this, our team can optimize efficiency, more accurately assess risk and improve our fish welfare. These open and connected data systems can allow more farmers – and the industry – to improve their strategies with better tools.”



Now Hatching: Millennial duo’s aquaculture analytics software

In the first startup profile of the inaugural Hatch cohort in Bergen, meet two young software developers who left Washington, D.C., for Norway and the power of personal connections to grow their aquaculture analytics business.



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In August 2021, Manolin announced a new service to automatically alert farmers to **non-notifiable diseases** (<https://www.globalseafood.org/advocate/manolin-begins-automated-disease-alert-system-for-salmon-farmers/>) in their area. This is the first and only available system to notify farmers about the risk of non-notifiable diseases nearby, which are not currently tracked by Norwegian government regulators.

The company plans to continue to build new integrations with farm service providers and benchmark industry performance throughout 2022.

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