FOR IMMEDIATE RELEASE
April 24, 2025

Innovasea Partners with Mila to Advance AI Innovation in the Blue Economy

Innovasea, a global leader in technologically advanced aquatic solutions for aquaculture and fish tracking, announced today a new partnership with Mila, the Quebec Artificial Intelligence Institute. Together, the two organizations aim to advance AI development for sustainable fish tracking, protection and production. This partnership will enable Innovasea to bolster its AI-driven innovations and talent acquisition while providing Mila students with opportunities to apply their skills toward solving real, meaningful problems in the blue economy.

“AI is transforming how we produce, track and protect marine wildlife,” explained Jean Quirion, Innovasea’s Vice President of Research and Development for Fish Tracking. " Our partnership with Mila will enable us to further advance our AI solutions in other aspects of our offerings and business. We are excited to collaborate with Mila to push innovation, introduce fresh ideas, and offer students hands-on experience with the latest in AI advancements."

“We are excited to welcome Innovasea to the Mila community,” added Stéphane Létourneau, Executive Vice-President of Mila. “With Innovasea’s major role in the blue economy, we are pleased to offer our students opportunities to work on projects that will advance marine environmental research and drive sustainable aquaculture.”

Innovasea has been at the forefront of AI development for fish tracking and fish production with its HydroAI™ and BiomassPro solutions. Students who join Innovasea will work on one of these two unique AI projects designed to solve pressing operational and environmental challenges.

HydroAI™ is Innovasea's AI-powered solution for 24/7 fish counting and species identification at hydropower sites. HydroAI™ allows operators to automatically capture and analyze continuous footage of migrating fish passing through the structure. This real-time data allows sites to improve environmental compliance, assess the effectiveness of their fish passages, and inform future conservation efforts through enhanced species understanding.

Meanwhile, Innovasea’s BiomassPro solution leverages AI to estimate the size and weight of fish stocks for fish farms and hatcheries. Through accurate growth projections, farm managers can make data-driven decisions that improve resource planning, minimize feed waste and bring more sustainably produced protein to the market faster. Today, BiomassPro offers algorithms for six species, with new algorithms currently in development.

"We are thrilled to bring in students from the program," said Mark Kilfoil, Director of Software Engineering at Innovasea. "This work will directly advance Innovasea's AI capabilities while providing them an amazing opportunity to gain real-world experience with cutting-edge AI technology."

About Innovasea
Fueled by leading-edge technology and a passion for research and development, Innovasea is revolutionizing aquaculture and advancing the science of fish tracking to make our oceans and freshwater ecosystems sustainable for future generations. With more than 275 employees worldwide, we provide full end-to-end solutions for fish farming and aquatic species research – including quality equipment that's efficient and built to last, expert consulting services, and innovative platforms and products that deliver unrivaled data, information, and insights.

Learn more at Innovasea.com and follow us on LinkedIn, Bluesky and X.

About Mila

Founded by Professor Yoshua Bengio of the University of Montreal, Mila is the world's largest academic research center for deep learning, bringing together over 1,300 specialized researchers in machine learning. Based in Montreal and funded in part by the Government of Canada through the Pan-Canadian AI Strategy, Mila's mission is to be a global center for scientific advancements that inspire innovation and the growth of AI for the benefit of all. Mila is a globally recognized non-profit organization for its significant contributions to deep learning, especially in the fields of language modeling, automatic translation, object recognition, and generative models. For more information, visit mila.quebec.

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