



EMILI

Accelerating **Digital** Agriculture

EMILI is a non-profit that advances technology and develops skills to accelerate digital agriculture

Advancing technology and developing skills to accelerate the growth of digital agriculture.

- We were **founded in 2016** by business and academic leaders with a common goal of growing the economy with a specific focus on digital agriculture in the prairies.
- We are an **industry-led, non-profit** committed to growing a sustainable and economically resilient digital agriculture industry.
- We are **based in Manitoba** with projects and partnerships that span the country.
- We support projects and people working to **accelerate innovative technologies** and increase digital agriculture **skills and training**.

Four ways EMILI accelerates digital agriculture

Guided by **four strategic priorities**, EMILI works with innovative producers, industry, and academia to provide people with the connections, skills, training, and resources they need to succeed.



Advancing **innovation** and **research**



Empowering digital agriculture **entrepreneurs**



Expanding digital agriculture **skills** and **knowledge**



Increasing **integration** and full **adoption** of digital tools

Advancing Innovation and Research

We share knowledge and make connections between industry and academia to advance **innovation and research.**



Project spotlight

EMILI has been working closely with UWinnipeg researchers since 2019 on a [Machine Learning project](#) to develop a crop identification algorithm from a robust database of millions of labelled images of prairie crop and weed images collected on Rutherford Farms, now home to Innovation Farms Powered by AgExpert.

Ecosystem highlight

EMILI collaborates with [Assiniboine Community College](#) to develop data literacy training programs, increase work-integrated learning opportunities, test new technologies to ensure they work on a full-scale farm, and share data with students to inform the projects they are working on.

Empowering digital agriculture entrepreneurs



We empower **digital agriculture entrepreneurs** by connecting them to **resources and support.**

Project spotlight

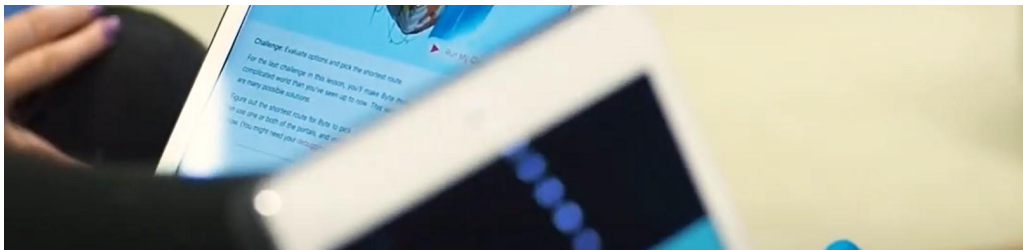
Since EMILI established the [Emergence Initiative](#) in 2021 to help bridge the gap startups and emerging technology organizations experience when developing new digital agriculture technologies, we have supported 14 organizations and provided over 220k in funding toward emerging technologies.

Ecosystem highlight

EMILI is proud to support many women-led organizations through the Emergence Initiative, such as:

- Kristen Timmerman at **InputsPro**
- Pam Bailey at **Dacotah Malt,**
- Melody Caron at **TapRoot Research**
- Holly Anderson at **NeoNutes.**

Expanding skills and knowledge



We work collaboratively to expand **skills** and **knowledge** and increase exposure to **careers** in the **sector**.

Project spotlight

In collaboration with Actua, Agriculture in the Classroom, and Protein Industries Canada, EMILI's [Explore Project](#) delivers STEM programming to youth in K-12, providing opportunities for youth to explore digital agriculture and gain in-demand skills. Since launching this program has engaged more than 91,000 youth.

Ecosystem highlight

EMILI works closely with longstanding industry leaders like [MacDon](#) to expand technology and education initiatives in the agri-food sector. Thanks to MacDon's support, programs like the Explore Project that develop and deploy educational STEM resources to youth, will have an even greater capacity to address the widening skills gap.

Increasing technology integration

We demonstrate, test, and validate intelligent technologies to increase the **integration** and **full adoption** of digital tools.



Project spotlight

The [EMILI Data Initiative](#) is focused on building the capacity of the Canadian agriculture and food sector to make use of data and digital tools in a responsible way that benefits everyone along the value chain.

Ecosystem highlight

We use [AgExpert](#) Field and Accounting software to provide valuable insights as part of our testing, research, and technology development. With customers in every province, and all sectors in Canadian agriculture and food production, AgExpert simplifies the entire process of record keeping from field to finance.



Advancing digital agriculture innovation on a full-scale farm

We provide innovators across industry and academia access to [Innovation Farms](#)' leading-edge equipment, technology, and production practices in order to develop viable solutions to the diverse agronomic and technological constraints and opportunities farmers face.



Fostering connections and accelerating innovation

EMILI's [Agriculture Enlightened conference](#) fosters connections between academia and industry to further advance the digital agriculture industry in the Canadian prairie provinces, delving deep into topics like innovation in digital technologies, big data analytics, and machine learning for smart agriculture.

Meet the team





Collaborate with us

The continued success of Canadian agriculture relies on its ability to adopt new technology, attract a skilled and diverse labour force, and embrace sustainability.

Working together, we can increase the integration of intelligent technologies, empower people with digital skills, support start-ups to grow in the prairies, and accelerate Canada's growth as a leader in digital agriculture.

Email info@emilicanada.com or visit us online at www.emilicanada.com to learn about ongoing projects and partnership opportunities.

Thank You.



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