Transcript of AI Climate Institute video

0:00
Some of the challenges,
0:02
I would say number
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one is just the volatility
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compared to what
0:05
most farmers saw historically,
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you're seeing more swings.
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Learning how much we depend on
0:11
the weather
0:12
was eye opening.
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Temperature, precipitation, dry, wet.
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Greenhouse gas
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concentrations have been going up
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making extreme events like heat wave,
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you know,
0:21
droughts, floods,
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more extreme and more common.
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Our main goal is to accelerate
0:27
the adoption
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of climate smart agriculture
0:29
and forestry practices,
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so that not only you can stop
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climate change,
0:33
you can reverse it.
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So we essentially try to understand
0:36
what farmers need,
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and wherever the AI need strengthening,
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that's where we our AI research goes.
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One of the things we learned is that
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they wanted to help in
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addressing the following question:
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which climate smart
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practice should be used where
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and when and how long.
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Having it say,
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these are our recommendations
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and you qualify for these programs.
1:00
That would be awesome.
1:01
If you can present data driven technology
1:05
that gives farmers choices
1:08
that are good for them economically,
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and it's also good for the environment
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and decreases the carbon footprint.
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It's a win win.
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The University of Minnesota is very unique
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It has a very interdisciplinary,
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collaborative atmosphere.
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So the AI group
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and the agriculture and forestry groups,
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they have collaborated for decades
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to tackle
1:26
this grand challenge of climate
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smart agriculture and forestry
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The University of Minnesota
1:30
has really been a leader
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testing concepts at farm scales,
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and seeing what happens there.
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That's key, that research, it's exciting.
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I feel like we're at the tip of the spear.