SEGES

Promilleafgiftsfonden for landbrug

AI AGRI Netværk

DAGSORDEN den 11. juni 2021 kl. 9.30-15.00

TID	PUNKT
09.30	Velkomst. Drøftelse af næste skridt efter INO-afslag SEGES v. Jens Elbæk & Anne Cathrine Thorup
10.15	Check-in session: din AI udfordring (præsentationsrunde)
10.45	**Pause**
11.00	Inspirationsindlæg: Key Notes online in English John Deere GmbH & Co by Mr. Peter Pickel, Prof. Dr.-Ing., Manager External Relations GrowersTech by Mr. Dr Sagi Katz, Chief Agronomist
12.00	**Frokost**
12.45	Case indlæg SEGES v. Mette Kramer Langgaard & Donjeta Runjeva
13.10	Workshop 1
13.40	Workshop 2
14.05	Kommende studietur – hvor og hvornår?
14.30	Check-out session - individuel læring og næste skridt
14.50	Opsamling og tak for i dag (slutter 15.00)

Dagen faciliteres af Frederikke Kroon, Program Director v. Akademiet for de Tekniske Videnskaber

ATV

19 Deltagere – 10 forskellige aktører

Sejet	Rasmus L. Hjortshøj	Planteforædler
Sejet	Birger Eriksen	Direktør
Seges	Casper Tribler	Business Owner, Digital
Seges	Jens Elbæk	Afdelingschef, Plante- og MiljøInnovation
Seges	Mette Kramer Langgaard	Specialkonsulent, Plante- og MiljøInnovation
Seges	Anne Cathrine Thorup	Projektchef
Seges	Donjeta Runjeva	Konsulent i datascience teamet i digital
NTT DATA Business Solutions A/S	Rasmus Røjkjær Ørtoft	Head of UX & Design, Manager, Innovation & Technology LoB
Limagrain	Lars Eriksen	Produktchef for raps, korn og bælgsæd
Limagrain	Mia Elgaard	Junior Produktchef for majs og roer
LandboNord	Søren Greve	Chefkonsulent, Plante
KU Plen	Svend Christensen	Professor, Head of Department of Plant and Environmental
KU Plen	Signe Marie Jensen	Adjunkt, statistiker, PostDoc
KU DIKU	Sune Darkner	Associate Professor in Medical Image Analysis
DLG	Mogens Krogsgaard	Projektleder, Forretningsudvikling
DLG	Charlotte H. Poulsen	Chefkonsulent, Planteavl
DLG	Maja Skaaning	Project Manager Trading
DLF	Christian S. Jensen	Head of Biotech and Turf Research
ATV	Frederikke Kroon	Program Director

Survey: Dreaming about a future with AI in your business: If possible, describe one or two examples of 'wishful thinking' where you hope AI in 5-10 years will play a major role

1. Finding most optimal variety/mixture solutions for specific conditions 2. In-season forecasts on grass seed harvest at individual seed growers

The farmers would rely on different ML models that would help them make decisions in their everyday work - e.g., notifying the farmer when diseases in crops and animals can be prevented, what yield to expect from the crops or to automatize repetitive tasks such as accounting etc.

Continue our journey with AI technology, working also with ethical aspects of AI and its implications in modern technology.

I hope that AI will have matured to a level similar to statistics

If AI can enable us to utilize the full potential of our data across generations (meaning that data from "older" lines can be used to predict new ones) and being able to better incorporate incomplete datasets in calculations

Example 1. I see an organic growth of AI for precision agriculture technologies. A few of the things that hinder the rapid implementation of new precision tools are availability of communication networks, cellular coverage, interoperability between products (sensors, platforms), user-friendliness of solutions and knowledge of the users (i.e. farmers and agronomists).

Example 2. I see farmers collaborate and start data cooperatives soon. In addition, best practices are quantified and developed with AI tools - and shared amongst the members. The farmers them-selves own the knowledge. The cooperation can leverage external research organizations to further leverage the shared data source using AI to gain knowledge across the farm gates.

Jeg drømmer om et evalueringsværktøj som bliver efterspurgt af alle landmænd. Men måske også øvrige af landmandens samarbejdspartnere f.eks. finansieringspartner. En god evalueringsrapport af året.

easily getting information

Survey: Which are your primary challenges/insights/opportunities/ experiences that you would like to discuss and share with the other participants?

1. Data sharing 2. Potential business PhD's

A challenge is how to organize data science team(s) that can work in several departments that includes different domain knowledge, data challenges and MLOps infrastructures.

Application of AI - turning it into running software products, taking the leap from prototype/PoC into finished software products.

we would like to create research and development partnerships with the industry and other universities

Accessing and processing highly complex data sets and make meaningful biological interpretation out of them

How to work and combine smaller incomplete datasets to get a full picture

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