Digital Farm Open Days

Exchange of know-how with farmers who implement pricniples of precision agriculture in their everyday work. Open Days are organised on following dates at 10 AM:

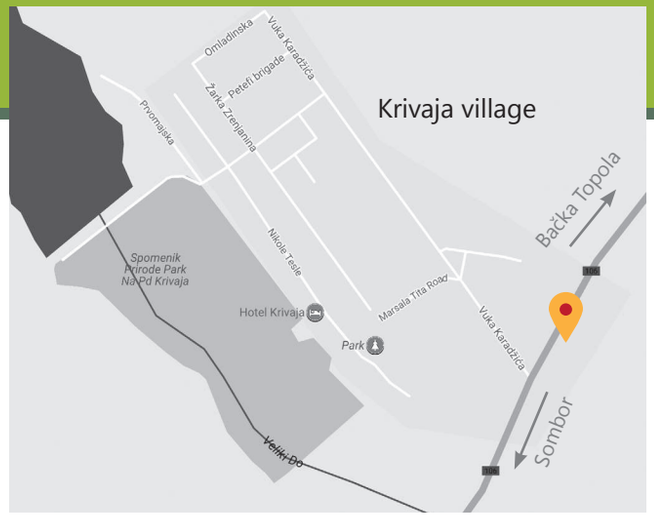
APRIL 27, 2018.	LoRa system for communication between field sensors and meteo stations with servers – continuous monitoring of crop and field conditions
MAY 25, 2018.	Variable rate fertilizer application – saving resources, increasing yields
JUNE 29, 2018.	Satellite images in agriculture – detailed overview of crop conditions
JULY 27, 2018.	Moisture sensors and irrigation systems – choosing the right moment and volume of irrigation
AUGUST 31, 2018.	Using drones in agricultural production – variable rate fertlilizer maps and yield assessment
SEPTEMBER 28, 2018.	Combine yield monitors and seed moisture sensors – yield mapping, production assessment and reccomendations for the next season
OCTOBER 26, 2018.	Soil electrical conductivity probe– defining management zones within the parcel

AgroSense **Info Day**

AgroSens Digital Platform user support – discussion and exchange of experience - during Digital Farm Open Days from 10 AM to 12 AM:

Location: Krivaja d.o.o (map at the last page)

Contact us and sign up:
digitalnafarma@biosense.rs



Location of Krivaja d.o.o. where Digital Farm Open Days are held

BioSense Institute is a public research institution, focused on development of digital technologies with application in agriculture. The mission of BioSense Institute is to support development of sustainable agriculture and enable increased yield production with reduced investments.

"Krivaja" d.o.o. is an agricultural company, primarily focused on producing arable crops and cattle breeding. It is one of the leaders in implementing principles of precision agriculture in Serbia. It was founded in 1974, and today it cultivates more than 3000 ha of land, applying methods of precision agriculture on more than 2500 ha.

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Republic of Serbia
Ministry of education, science and technological development

FIRST DIGITAL FARM IN SERBIA

Digital Farm

Digital Farm is an innovative and unique facility aiming to support digital transformation of agriculture in Serbia, the region and in Europe. BioSense Institute, Center of Excellence for advanced technologies in sustainable agriculture and food security, has initiated the Digital Farm under the scope of ANTARES project, as an open air show-room where innovative AgTech solutions will be implemented on real-life production farms allowing farmers to see, test and assess them in real-world settings.

Digital Farm consists of two parts:

- Physical: where in real production environment, in the fields of Krivaja d.o.o. producer, many modern machines, tools and devices for precision agriculture are implemented.
- Virtual: in which Digital platform AgroSens enables farmers to monitor crop conditions and plan activities using mobile phone or computer, based on data collected from satellites, drones, robots, different sensors and meteo stations.

How modern science contributes to agriculture development?

- Soil and leaf moisture sensors
- Crop nitrogen management sensors
- Soil electrical conductivity probe
- Hyperspectral camera for early detection of diseases and damage
- Drones: soil mapping, crop monitoring, deases outbreak and weed detection
- Robots for agricluture – Lala i Sosa
- LoRa communication systems – data transfer from fields to servers
- AgroSens – digital platform for monitoring crops and planning activities

Get informed first hand about modern machines and tools for precision agriculture and test them in a real production environment - in the field!

- Variable rate fertilizer application and spraying
- Autonomous machinery and devices
- Variable sowing
- Yield mapping and seed moisture assessment analysis and application in variable rate fertilizer application
- Innovative plowing methods and strip farming

Trimble TMX-2050, Trimble CFX-750, Kverneland iXtra Life with mounted sprayers, Kverneland DF2 with equipement for fertilization, Sfoggia variable rate seeder , Case 8230 + AFS 200 monitor, Agleader Incommand monitor, Kverneland Tellus monitor, Kverneland Geospread for variable rate fertilizer application , Kverneland StripTill, ...