

Smart Precision Farming



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Where we are now in 2018?





ICT Evolution





About Datalab



The ideal solution for small businesses.



Adaptable ERP system for any business of any size.



Streamline your accounting, analyze your data.



Complete farm management information system for all your record-keeping needs.



Software and hardware for mobile retail sales.



Manage and analyze your manufacturing process from raw materials to products.



Adapted to the specifics of the public sector.



Expand the program with additional solutions for specific fields.

Over 50.000 users and 18.000 companies in South-Eastern Europe









Complete & Integrated

Line of Business

- Life of Busilies
- True transparency of the farm
- One (or none) data entry, multiple usage
- Profit/Loss on the level of production unit

https://www.datalab.ch

BackOffice

Integrations/IoT



External data..

Weather 😑	GIS Feeds 😑	Field Sensors 😑	Robots 😑	Ag Machinery 😑
Meteoblue is our weather forecast service provider. ③ More Info	Map Viewer is part of PANTHEON Farming where GIS (Geo Information System) data are presented in a way the farmer can easily understand.	Automated pest monitoring system that monitors insects, which are lured into insect traps. (2) More Info	DeLaval milking robots store information about animal milking. ② More Info	As the members of AEF we are involved in the enforcement of ISOBUS standard. (2) More Info
	⊙ More Info			



Information silos of today's farm



Tomorrow's farm = ONE TRUTH



Today`s challenges

- Changing environment and climate
- Limited natural resources
- Competitive market



are forcing farmers to produce more with less (more productive, more sustainable, more competitive)

 Market demand, smart consumers



are demanding **traceability**, origin, **quality** (organic) products



Milking robot integration





Animal search and filtering



IoT sensor system



Registration of animals (SI case)





Data formats

• PAFA GIS Viewer works with the data in multiple formats (more than 50 formats)



Support of all world known GIS data formats and services :

ESRI OPEN GIS GEOMEDIA MAPINFO AUTODESK IBM POSTGIS ORACLE SPATIAL MS MSSQL

WFS & WMS



Overview of task statuses directly on the map



We add agroclimatology, soil analyses...



Our GIS can display all kinds of data in relation to the spatial representation



© 2015 Datalab d.d. Data: Layers

SatFeedz for your farm





NDVI - Normalized Difference Vegetation Index

Normalized Difference Vegetation Index is a simple graphical indicator of plant photosynthetic activity, it is used to monitor vegetation conditions and therefore provide early warning on droughts or nutrient deficiency.



Main users: European institution for global crop monitoring. Research institutions and it's time: also farmers

Data exchange with machinery



This is it ...



Crop Optimizer = do your crops feel good or your vallet?



Language and Legislative Localizations



Language and Legislative Localization

Slovenia	
	100%
Croatia	
	100%
Bosnia and Herzegovina	
	100%
Serbia	
	100%
Montenegro	
	100%
FYR Macedonia	
	100%
Kosovo	
	100%
Albania	
Albania	100%
Bolgaria	
Dolgana	100%

Language Localization





Smart Precision Farming

■ PANTHEON Farming

Thank you

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