



**Czech-Bulgarian Conference on the Implementation of Smart  
Agriculture - 22-23.6.2021**

# Application of Agriculture 4.0 in animal production

**Svetlana Malyugina, Mendel University in Brno,  
Czech Republic**

[smalyugina.sm@gmail.com](mailto:smalyugina.sm@gmail.com)

[qqmalyug@mendelu.cz](mailto:qqmalyug@mendelu.cz)

<https://www.anfp-research.com/animal-nutrition-research>

# Introduction

## Animal Nutrition Research Group

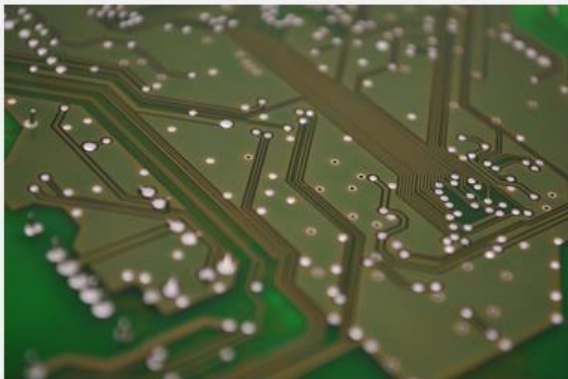
### Our Mission

Scientific activities of Animal Nutrition Research Group are focused on current topics in the field of animal nutrition. We collaborate with experts in other disciplines such as animal physiology, forage production, microbiology, analytical chemistry, molecular biology and especially nanotechnology. Thanks to this multidisciplinary approach, the research group gains a comprehensive view of the solved challenges.

# Activities

## STRATEGIC RESEARCH FRAMEWORK

### SMART TECHNOLOGIES IN ANIMAL NUTRITION



Smart technology is a very progressive field. The collection of big data and its evaluation help to make agricultural production more efficient. For example, new technologies can reduce the environmental impact of agriculture and increase economic profits.

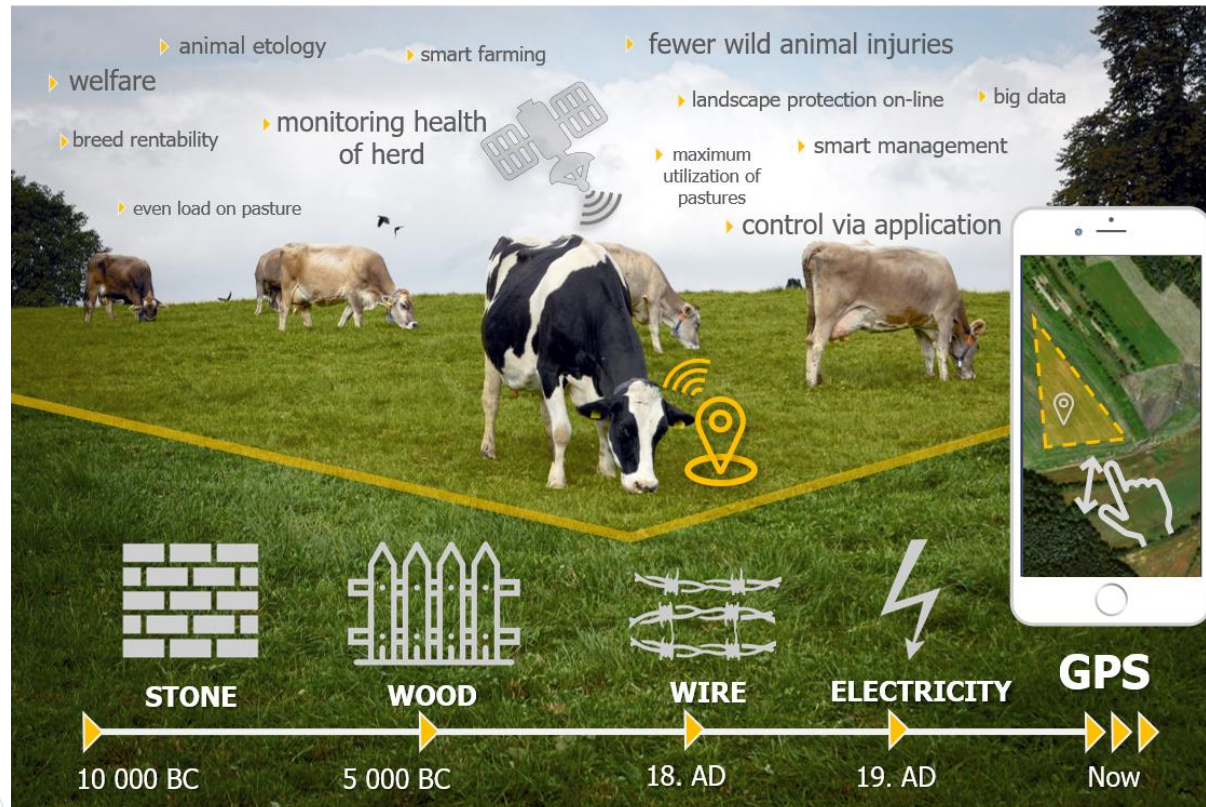
#### Projects:

2021 – 2026: Smart GPS pasture. TACR Trend FW03010010

2020 – 2022 GAMA 2 TP01010018, subproject no. 202005 Integration of Industry 4.0 in Livestock Production

2019 – 2023: Modernization of pig breeding technologies with higher ICT integration and creation of comparable calculation methodologies PRV 17/005 /1611a/563/000104

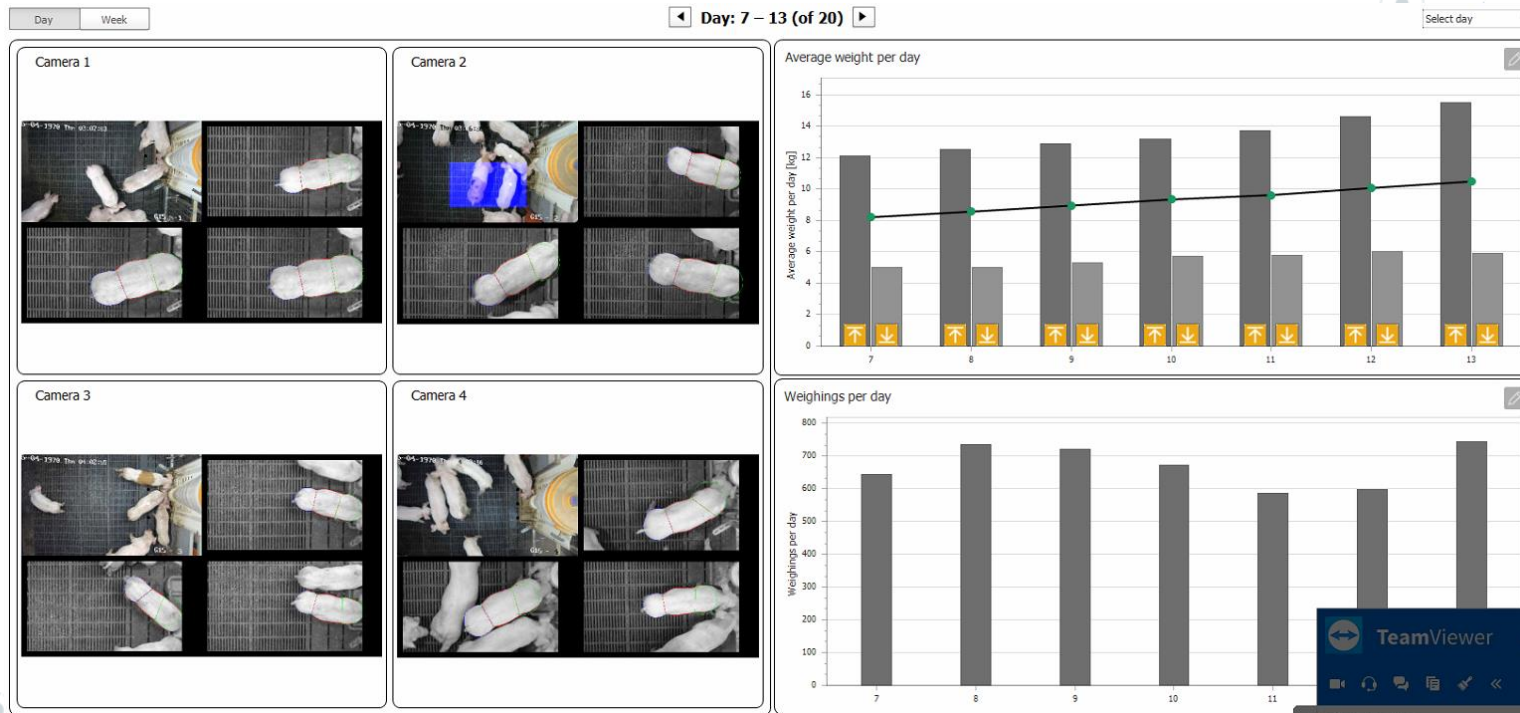
# Projects experience / Products





# Modernization of pig breeding technologies with higher ICT integration and creation of comparable calculation methodologies

PRV 17/005/1611a/563/000104



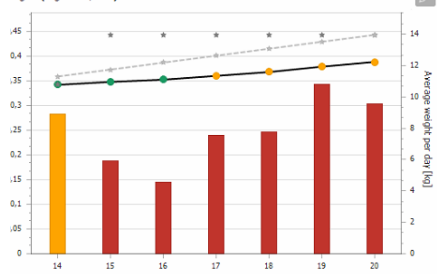
# Modernization of pig breeding technologies with higher ICT integration and creation of comparable calculation methodologies

PRV 17/005/1611a/563/000104

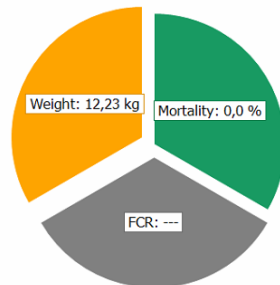
ence: Pig.8-30;450

Day Batch

eight (Pig.8-30;450)

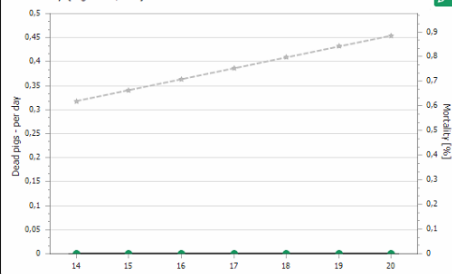


Day: 14 – 20 (of 20)

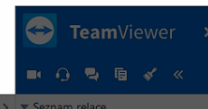
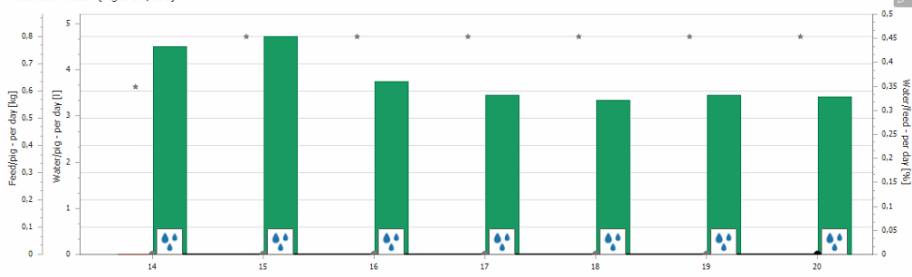


Select day

Mortality (Pig.8-30;450)



Feed and Water (Pig.8-30;450)



### Horizon Europe project interests:

- ◎ Plant production
- ◎ Livestock production

### What we can offer to our partners:

- ◎ Collaboration for participation in Horizon Europe 2020 project
- ◎ Modern, creative solutions in Agriculture, technology testing
- ◎ Exchange of information and experience
- ◎ Establish partnership





# Thank you for your attention!

**Svetlana Malyugina, Mendel University in Brno, Czech Republic**

You can find me at:

[smalyugina.sm@gmail.com](mailto:smalyugina.sm@gmail.com)

[qqmalyug@mendelu.cz](mailto:qqmalyug@mendelu.cz)

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