

EU-PLF: Bright Farm by Precision Livestock Farming

Animal and farm-centric approach to Precision Livestock Farming
in Europe

Daniel Berckmans

EU-PLF Closing conference

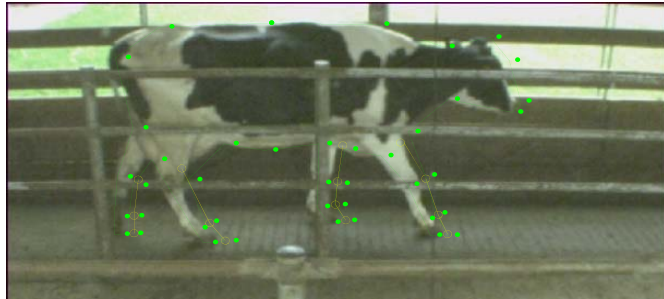
29 September 2016
Brussels, Belgium



Smart Farming for Europe

Value creation through Precision Livestock Farming

Precision Livestock Farming



Management of livestock by continuous automated real-time monitoring of production/reproduction, health and welfare of livestock and environmental impact.



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Advantages of PLF technology

- Objective measurements
- Fully automated
- Continuous
- Behavioral responses of animals
- Less visits to the animals



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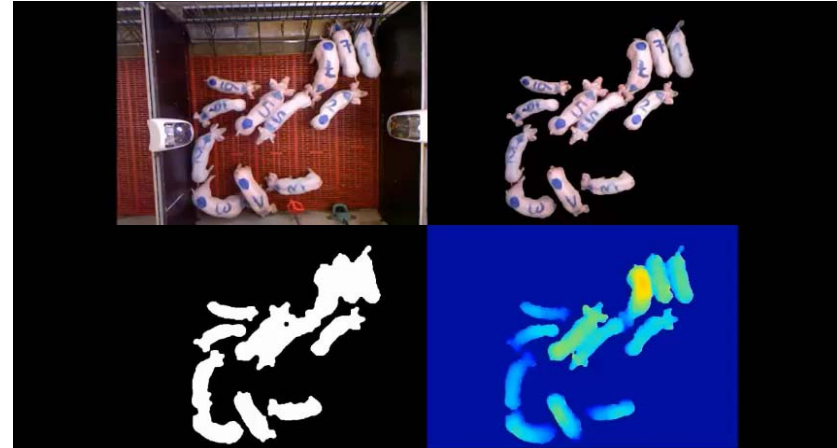
Cow lameness monitor

Play



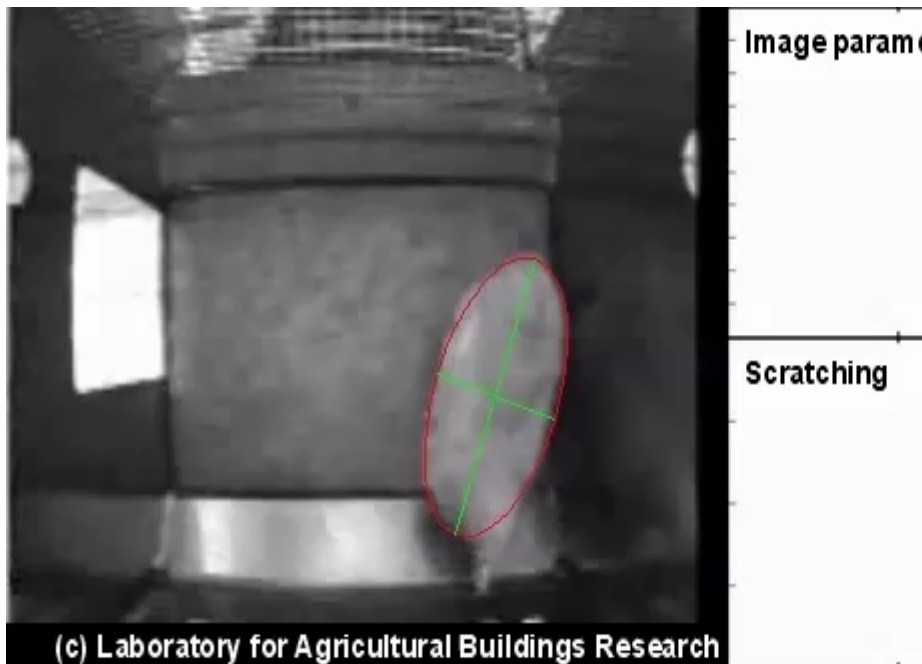
Aggression monitor

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Welfare monitoring

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Feed intake

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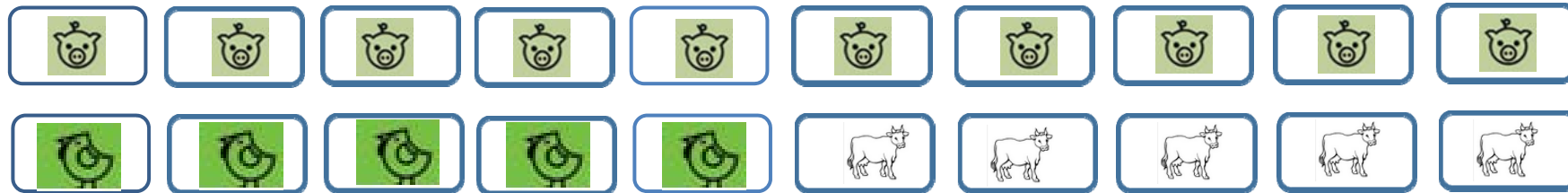
EU-PLF – Bright Farm by Precision Livestock Farming



EU-PLF Partners



EU-PLF Farmers



EU-PLF Advisory Board



Prof. Jos Metz

Prof. Noel Devisch

Prof. Leo den Hartog

Dr. Dieter Schillinger

Mr. I. Blanco-Traba



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Objectives

- Installations on 20 European farms
- 60 production cycles for broilers, fattening pigs, dairy
- Where is the value from PLF?
- Start 4 new PLF spin-off companies
- EU-PLF Blueprint



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Agenda

- 08:30 Registration
- 09:00 Welcome (Prof. Daniel Berckmans
– KU Leuven)
- 09:15 Video: Smart Farming for Europe
- 09:20 Results and experiences from broiler
farms (Prof. Erik Vranken – Fancom B.V.)
- 09:50 Results and experiences from pig
farms (Dr Dries Berckmans - SoundTalks
N.V.)
- 10:20 Coffee break



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Agenda

- 10:20 Coffee break
- 10:45 Results and experiences from dairy farms (Dr Isabelle Veissier – INRA)
- 11:15 Economic feasibility of PLF (Prof. Henk Hogeveen – Wageningen University)
- 11:45 Testimonies of high tech start-ups in Precision Livestock Farming
 - 11:45 PigWei: handheld device for precise and fast weighing of livestock pigs (Dr Ivan Amat-Roldan – Ymaging)
 - 12:00 High definition gait capturing & analysis – Results of the field tests (Dr Patrick Van De Vyver – Bainisha)
 - 12:15 Making Sense of Sensor Data (Ir. Yasir Khokhar – Connecterra)
 - 12:30 An automatic 24/7 diagnostic system for hoof diseases in bovine (Mr. Marzio Miodini – Cowmatix)
- 12:45 Lunch



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Agenda

- 13:45 Farmers' engagement in using PLF technology – Report of the EU-PLF farm visits (Prof. Jörg Hartung)
- 14:05 Can PLF create value for European Farmers (Dr Heiner Lehr – Syntesa)
- 14:30 Farmers' vision for the future
- 14:30 Mr. David Speller – broiler farmer
 - 14:40 Mr. John Verhoijzen – Pig farmer
 - 14:50 Ms Tina Dahl – Cow farmer
- 15:00 Animal Task Force's vision on Precision Livestock Farming (Dr Jean-Louis Peyraud – ATF)
- 15:15 Coffee break – Interactive e-learning session and blueprint (Dr Michel Bonneau – EAAP)
- 15:45 Panel discussion (Dr Heiner Lehr – Syntesa)
- 16:45 Closing of Conference (Prof. Daniel Berckmans – KU Leuven)
- 17:00 Reception



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Acknowledgments and Disclaimer



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n° 311825

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