



Algis Baravykas

Company: Lithuanian association of pig producers

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Curriculum vitae

2000 - 2002 Chief specialist/State animal breeding supervision service

2002 - 2005 Chief specialist/Ministry of agriculture

2006 Director/ Lithuanian association of pig producers

Country report - Lithuania

In my presentation I'll give information about pig production developments in Lithuania. There are 1073 thousands pigs kept by farmers and enterprises. According to the Statistics survey, there are about 160 thousands pig keepers in Lithuania. The most farms are very small and keep pigs for self consumption or small trade. 95 % of all keepers have 1 - 10 pigs. In general these small farms keep around 39 % of all pigs. There are less than seventy pig enterprises, which keep 41 % of all pigs. Farms with pig herd from 10 to 49 pigs make about 4,4 % of all pig farms.

Consumption of pig meat is growing. We import about 22.000 t of pigmeat/year.



Simon Horvat

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Curriculum vitae

1984-1988 B.Sc. (Animal Science), University of Ljubljana, SLOVENIA

1989-1995 Ph.D. (Genetics), University of California, Davis, USA

1995-1999 Post-doctoral scientist, Roslin Institute, Scotland UK

2000-now Associate Professor, Univ. of Ljubljana, Dept. Anim. Sci. SLOVENIA

Future trends in genetics

New tools in genomics developed in the past decade have yielded significant advances in our understanding of the genetic basis for various important performance traits in pigs. Pig geneticists have used commercial and non-commercial breeds for identification of several important chromosomal regions and, in only a few cases, individual genes associated with key economically important traits. Pig breeders have already incorporated some of these new genetic and marker information into the marker-assisted selection (MAS) schemes along with traditional performance information. The progress in this area is steady though slower than anticipated and some reasons for this will be discussed with the help of lessons learned from genomics research in other organisms. This presentation will therefore aim to review advances made in the pig genomics, future research directions and the outlook for the application of this knowledge in both the pig industry and human medicine.



Aleš Kuhar PhD

Company: University of Ljubljana, Biotechnical faculty, Chair for agricultural economics, policy and law

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Curriculum vitae

1998 - current researcher, assistant lecturer/ University of Ljubljana

Status of the new EU acceding countries

- Overview of the pig meat production in the New member states of the EU and acceding countries (Bulgaria, Romania).
 - Quantitative and qualitative comparisons with the "Old member states"
 - Presentation of the projections results. Simulations of the effects of agricultural policy changes (EU Accession no policy changes; EU Accession SAPS; EU Accession the Luxembourg Agreement).
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Robert Hoste

Company: Agricultural Economics Research Institute (LEI)
Wageningen University and Research Centre

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Curriculum vitae

1991 - now Pig Production Economist

Competitiveness of the pork supply chain: an international comparison

The competitive power of pork production partly depends on production costs. An overview will be given of production cost of pork of some Western-European countries, of one new EU member states (Poland), plus two global players outside the EU: the USA and Brazil. Based on typical farms per country, production costs on farm level are compared. Also, a professional estimate is given of the costs of slaughtering and further processing of pork; resulting in a comparison of the cost (including transport costs and import duties) to supply some different pork products to the German market.

The analysis gives insight in the cost buildup in different parts of the pork supply chain, from farm to fork. Some discussion points will be given to improve the competitive power of the new EU member states.

Milena Kovač

Curriculum vitae

- Birth date: 4th Jan. 1957; City: Zagorje ob Savi, Slovenia
- Address: SLO-1411 Izlake, Zabreznik 2
- Family: unmarried; Citizenship: slovene

Education

- University: University of Ljubljana, animal science from October 1975 to June 1979; Diploma on 29.6.1979 earned B.Sci. in animal science.
- Won University Prešeren Award for excellent diploma (»Computer assisted management for pig reproduction«)
- Master study: University of Ljubljana, Institut für Tierzucht und Tierverhalten, Mariensee, Germany, and »University of Illinois at Urbana-Champaign«, USA; Finished on 11th Jan. 1989 (M. Sc. Agr.) by Prof. Dr. Andrej Šalehar and Dr. Eildert Groeneveld (»Estimation of genetic trends using BLUP procedure«).
- Ph. D. at »University of Illinois at Urbana-Champaign«, start 8th Mar. 1987 finished on 20th Dec 1991 (»Derivative free algorithms in covariance components estimation«), advisor dr. Eildert Groeneveld

Occupation

- University of Ljubljana, Biotechnical faculty, Department of animal science, Chair of ethology, biometry, animal breeding and pig production, from 01.08.1979 as
- 23rd Jun.1981 Teaching assistant (pig science)
- 12th May 1993 Assistant professor (biometry, selection theory, pig science)
- 21st Dec.1998 Associate professor (biometry, selection theory, pig science)
- Institut für Tierzucht und Tierverhalten, Mariensee, Germany as graduate student: from Jun.1986 to Feb. 1987, in 1991
- Institut für Tierzucht und Tierverhalten, Mariensee, Germany as visiting scientist, from Oct. 1999 to Feb. 2002

Bibliography

Until end of 2004 she had more than 500 publications among them around 140 scientific papers and presentations of scientific results.

Her most important results (software):

- KOVAČ, Milena. PeRun, programski paket za oceno parametrov disperzije (PeRun, statistical package for evaluation of dispersion parameters), Verzija 1.0. Oddelek za Zootehniko, Univerza v Ljubljani, Domžale, 1992
- GROENEVELD, Eildert, KOVAČ, Milena, WANG, Tianling. PEST, Multivariate Prediction and Estimation, Version 3.1. Department of Animal Science, University of Illinois, Urbana-Champaign, 1993
- DROBNIČ Marjana, TAVČAR, Jana, KOVAČ, Milena, ULE, Irena, MARUŠIČ, Meta. Informacijski sistem v prašičereji - Piggy Bank (Information System in Pigs - Piggy Bank). Oddelek za Zootehniko, Univerza v Ljubljani, Domžale, 1994
- Renewed version of Piggy Bank is applied by Slovenian and Croatian pig breeding associations.
- KOVAČ, Milena, GROENEVELD, Eildert, GARCIA CORTES, Luis Alberto. VCE 5, a package for the estimation of dispersion parameters. 7th WCGALP, Montpellier, France, 19-23 Aug. 2002
- GROENEVELD, Eildert, KOVAČ, Milena. Development of APIIS (Adaptable Platform Independent Information System). Slovene group is applying APIIS for various species.

Prof. dr. Romana Marinšek Logar

Company: University of Ljubljana, Biotechnical Faculty, Zootechnical Department

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Curriculum vitae

- 1984 - 1987** University of Ljubljana, Medical Faculty, Institute for pathophysiology (research on regeneration of nervus ischyadicus in rats)
- 1987 - 2006** University of Ljubljana, Biotechnical faculty, Zootechnical Department (professor of microbiology; research on environmental issues in agriculture; environmental toxicology, environmental biotechnology and microbiology; research on microbial enzymology)

Alternative Sources for Minimizing Negative Environmental Influences

Due to increased pork consumption the number of pigs in the world has doubled since the early 1960s and the volume of the produced pig manure has correspondingly increased. Manure produced in intensive livestock systems is generally recycled inefficiently and leads to leaching of nitrogen (N) and phosphorus (P) to ground and surface waters and emissions of greenhouse gases (CH_4 , N_2O and CO_2) and other harmful gases (NH_3 and NO_x) to the atmosphere. Environmental legislation and the public concerns about ecological risk of pig farming have increased pressure on pig farmers to minimize unwanted emissions.

There are several means and sources available to produce high quality food with minimal negative environmental impacts. Reduction of negative environmental impacts is possible by better and more efficient manure management techniques (alternative waste treatment systems and storage facilities, efficient crop nutrient management), great progress has been made in designing livestock confinement buildings, where we can assure better odor control, new filters and additives to reduce odor are available, alternative pig feeding regimes and feed additives (e. g. phytase) are possible to apply in order to reduce the environmental pollution by N, P and K and there are alternatives to reduce antibiotic resistance transfer by use of prebiotics and probiotics.

Water pollution, soil pollution and odor are controllable. The challenge to livestock producers, the design community, and the regulatory community is to envision and implement these sustainable systems



Tania Ngapo

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Curriculum vitae

- 2005 - current Meat Scientist, Agriculture and Agri-Food Canada
- 2003 - 2005 Research Associate, short term contracts for L'Union des Producteurs Agricoles, Centre de Développement du Porc du Québec Inc., and Agriculture and Agri-Food Canada
- 2001 - 2003 Research Associate (Consumer Science), Meat research Station, INRA, Clermont Ferrand, France
- 1998 - 2000 Post-doctoral Fellow (Meat Science), Meat research Station, INRA, Clermont Ferrand, France
- 1995 - 1998 Meat Scientist, Food Science Australia, Melbourne, Australia

Consumer preference studies

Pork chop preferences of consumers in 23 countries were studied using digital photographs. These photographs were computer-modified creating images of pork chops that varied systematically in fat cover, colour, marbling and drip and allowed the consumers to see the same chops worldwide. The results show significant market segmentation in preferences on a global scale.



Guillermo Ramis Vidal

Company: University of Murcia

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Curriculum vitae

- 1994-1998 Scholarship for research results transference University-Industry. Ministry of Education.
- 1998-2006 Practitioner and Pathologist in the company CEFU,S.A. (grupo EL POZO ALIMENTACIÓN) with responsibility in finishers
- 1998-2005 Member of the Research + Development + Innovation in CEFU,S.A.
- 2005- Assistant Professor in the Department of Animal Production of the Veterinary School. University of Murcia
- Degree
- 1993 DVM
- 1997 DVM, Degree of Licenced with the Thesis "Changes in lymphocytes subsets in intestine and mesenteric lymphnodes in goats with paratuberculosis"
- 2002 PhD with the Ph Thesis entitled "Multifactorial study of porcine esophagogastric ulcer: genetic, nutritional, management and health factors"

Costs of the future environment and welfare regulation

The new welfare and environmental protection implemented in European Union will have an economical effect on the costs production. These cost increase will be direct (derived from the need to change facilities and to implement new management operations) and indirect (from the performances alterations derived from some of the new rules). We are going to analyze these increase of costs: direct and indirect.

Janez Salobir, PhD

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Curriculum vitae

1987-1990 PhD study at Institute for Animal Breeding, Mariensee and Georg-August University Göttingen, Germany

1990-now At present full Professor for nutrition and head of Chair for Nutrition at University of Ljubljana, Biotechnical faculty, Zootechnical Department

1994-1995 Post doctoral research at University of Hohenheim, Institute for Animal Nutrition, Germany

How to disarm meat consumption opponents

The lecture will focus on the fact that the value of any food should be determined in the context of total diet because classifying foods as “good” or “bad” may foster unhealthy eating behaviour. In this context the facts that underline the role of meat in human nutrition will be presented: evolutionary dependences (anatomical, histological, and physiological) and nutritive value. Meat is a rich source of essential amino acids and essential long chain polyunsaturated fatty acids, almost exclusive source of vitamin A and B₁₂, because of either high concentration or better bioavailability also a major source of folate, selenium, zinc and iron. The association of meat intake and the incidence of cancer and cardiovascular disease will be discussed. No meat itself but too much fat, saturated fatty acids and deficient intake of ω -3 fatty acids, antioxidant vitamins and phytochemicals, minerals and dietary fiber in imbalanced diet present a risk for the development of cardiovascular disease and cancer. Hence, every partial diet, meat or vegetarian diet can put one’s health condition in jeopardy. The fact that re-examination of epidemiological data showed that higher risk for cancer was wrongly ascribed to high meat intake, it is far more associated to low fruit and vegetables intake. Because of its high nutritional value meat preserves its role in a prudent human nutrition.

Roland Tušar

Curriculum vitae

- Place of birth: Murska Sobota, Slovenia
- Date of birth: 30/05/1970

Education

- High School Murska Sobota, 1989, Murska Sobota, Slovenia
- University of Ljubljana, Faculty of Civil and Geodetic Engineering, Study of Water Management, 1996, Ljubljana, Slovenia

Additional courses

- University of Architecture, Civil Engineering and Geodesy in Sofia, Bulgaria; Laboratory experiments – exogenous biochemical respiration, kinetics of slow sand filters, 3 weeks, 2005, Sofia, Bulgaria,
- Gea College, Financial Management, 60 hours, 2002, Ljubljana,
- University of Ljubljana, Faculty of Civil and Geodetic Engineering, Post-graduate studies; Protection of Waters, studies in progress, 2000, Ljubljana
- Slovenian Chamber of Engineers, Certified engineer, 1999, Ljubljana

Employment

- since 1999: Interling Holding d.o.o., head of engineering department
 - from 1996 to 1999: SMELT International d.d., Ljubljana, project developer
- Additionally: member of business board of the company Tovarna asfalta Pomurje – TAP (Pomurje Asphalt Plant Ltd.), since 2001

Important references

- 2005: Biogas plant Nemščak 2.0 MW, 8 million, project manager, process engineer and project manager,
 - 2005: Central WWTP Ljutomer, capacity: 23,000 population units, 3 million, project manager,
 - 2004: Central WWTP Murska Sobota, capacity: 42,000 population units, 8 million, PPP project on BOT basis, process engineer and project manager,
 - 2002: Sewage system for Lendava Town Municipality, ISPA, 7 million, project manager,
 - 2001/2002: building and project funding of WWTP for Pig Breeding Nemščak for 80,000 population units, \$ 6 million, project manager,
 - 2001: Simulation of BOT agreement relationship for implementation of concessioned public service of collection and treatment of waste water; Murska Sobota, Ljutomer, Gornja Radgona, Beltinci and Tišina, study director,
 - 2000: processing and preparation of technical and financial starting points for road construction, bridges and tunnels in calls for applications by DARS, together with Züblin firm Germany; project manager,
 - 2000: BAU relational databases (Oracle) for planning-calculating and controlling of project implementation. Development of informational system and final implementation in SGP Pomgrad (65 users), project manager,
 - 1998: building of business centre Mosenergo, Moscow, Russia, \$17.3 million, 14 months, cooperation with QA and construction site manager for ground work and drainage system, permanent residence in Moscow,
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- 1997: production of technical executive documentation (acquiring construction permits, project for implementation) for several landfill sites in the vicinity of Bihać and Cazin, Bosnia i Hercegovina, technical and constructional project developer.

Specialised publications and articles

- several articles/discussions published in Slovene daily newspapers (Delo, Pomurski Vestnik) on problems regarding the treatment of industrial wastewater, and on disposition of biological sludge from wastewater treatment plants,
- specialised lecture on environmentally conscious enterprise – study case of group KG Rakičan, GZS Ljubljana, 2005,
- licences for waste water treatment, Združenje za pogodbeni inženiring (Association for Contract Engineering), Conference in Velenje, Slovenia, 2002,
- licences and implementation of BOT projects for wastewater treatment in Slovenia and Croatia, MEGRA, 2001,
- Laminar flow with free surface in sedimentation tanks with lamellas, Acta Hydrotechnica, 1998

Key characteristics

- Detailed knowledge of waste water treatment technologies with theoretical background,
- Knowledge on different technologies for use of renewable energy sources,
- Knowledge on different technologies for minimization of solid waste,
- Understanding of environmental doctrines,
- Knowledge on European and local environmental legislation,
- Experiences in cooperation with universities and institutes in solving technical difficulties,
- Ability to lead international teams of experts and international projects,
- Experiences of the EU co-financed programmes,
- Understanding of business and project finances,
- Possessing self-initiative.

Languages

- English (100% fluency)
- Croatian, Serbian (100% fluency)
- Russian (70% fluency)
- German (50% fluency)

* fluency: proficiency in speech, writing and reading

Computer skills

C++, ACAD, MathLab, MS applications and other applicative tools
