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Expansion

to Ukraine and Belarus

Workshop in Kuressaare on August 25, 2008

Outline

- *Historic contacts*
- *Survey statistics*
- *Bilateral co-operation*
- *Network development*
- *Ukraine*
- *Belarus*
- *The future*

Historic contacts

- 882 Vikings from Sweden to Kyiv
- 10xx Yaroslav I of Kyiv-Rus married princess Ingegerd of Sweden
- 13xx Lithuania expanded to Belarus and parts of Ukraine
- 1572 Ukraine joined the Polish-Lithuanian Union
- 1708 Ivan Mazepa and Karl XII collaborated
- 1998 Ukraine and the European Union

Survey statistics

- *Sweden*
- *Norway*
- *Finland*
- *Estonia, Latvia, Lithuania*
- *Ukraine*
- *Belarus*

Bilateral co-operation ***in survey statistics***

1990 Umeå – **Kyiv** (*Korolyuk, Silvestrov*)

1992 Umeå – Tartu (*Imbi Traat*)

1994 Umeå – Riga (*Lapins*) – **Kyiv**
(*Donchenko*)

1995 Helsinki – Vilnius (*Krapavickaite*)

1997 Umeå – **Kyiv** (*Parkhomenko*)

Tempus

1998 Umeå – Vilnius (*Plikusas,*
Krapavickaite)

Network development ***in survey statistics***

1996 Umeå – Tartu – Riga

1997 Umeå – Tartu – Riga – Vilnius –
Helsinki

1997 Summer School in Estonia

1998-2001 Workshops in La, Li, E, La

2002 BaNoCoSS in Sweden

2003-2006 Workshops in Li, E, Li, La

2007 Second BaNoCoSS in Finland

More than 100 exchange visits

Independent republic 1991

- Russia 1667
- Independent 1917
- Soviet Union 1920
- Independent 1991
- Partnership with EU 1998
- Orange revolution 2004
- President: *Viktor Yushchenko*
- Prime minister: *Yulia Tymoshenko*

Universities in Kyiv

- National Taras Shevchenko University of Kyiv 1834 (*18000 students*)
- Kyiv National Technical University 1898 (*40000 students*)
- Kyiv National U of Economics 1906
- National U of Kyiv-Mohyla Academy 1615 (*2000 students*)
- etc

National Taras Shevchenko University of Kyiv

- Department of Probability Theory and *Mathematical Statistics*,
Faculty of Mechanics and Mathematics
- Department of *Economic Cybernetics*,
Faculty of Economics
- Department of *Applied Statistics* and
Department of *System Analysis* and
Decision Making Theory,
Faculty of Cybernetics

Olga Vasylyk



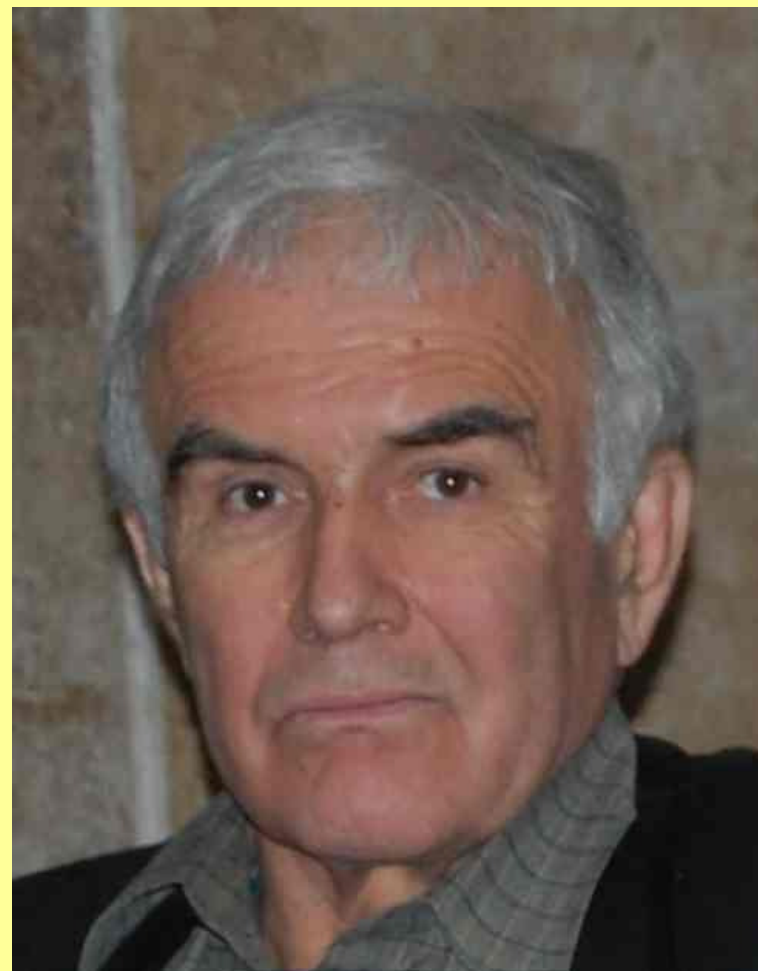
Tetyana Yakovenko



Oleksandr Chernyak



Volydymyr Donchenko



Other universities in Ukraine

- National U of Lviv 1661 (*22000 students*)
- Kharkiv N U 1804 (*12000*)
- Odessa N U 1865 (*20000*)
- Chernivtsi N U 1875 (*14000*)
- Dnipropetrovsk N U 1918 (*13000*)
- Precarpathian N U 1940
- Uzhgorod N U 1945 (*8000*)
- Donetsk N U 1965 (*18000*)
- etc

Speciality "Statistics"

- National Taras Sh. U of Kyiv 1996
- Dnipropetrovsk N U 1997
- N U of Lviv 1997
- Donetsk N U 2003
- Uzhgorod N U 2003
- Chernivtsi N U 2004
- Nizhyn State Pedagogical U 2004
- PreCarpathian N U in Ivano-Frankivsk 2005

Courses on Survey Sampling

- National Taras Shevchenko U of Kyiv
- Kyiv N U of Economics
- Dnipropetrovsk N U
- PreCarpathian N U in Ivano-Frankivsk
- Uzhgorod N U
(*Tetiana Fedorianych*)



Research institutes

active in survey statistics

- The Scientific and Technical Complex of Statistical Research, State Statistics Committee of Ukraine (Director: *Olga Vasechko*)
- The Department of Social and Demographic Statistics, Institute for Demography and Social Research, National Academy of Sciences (Head: *Volodymyr Sarioglo*)

Olga Vasechko



Volodymyr Sarioglo



October 31, 2007 in Kyiv



November 1, 2007 in Kyiv



Tempus projects

covering survey statistics

- Statistical aspects of economics:
Financial mathematics, insurance
and *sample surveys* in industry
and agriculture (1996-1997)
- Statistical aspects of economics
(1998-2000)

Textbooks on survey sampling *in the Ukrainian language*

- *Oleksandr Chernyak* (2001):
Survey Sampling Technique,
248 pages
- *Victoria Parkhomenko* (2001):
Survey Sampling Methods,
148 pages

Ukrainian participants ***in Baltic-Nordic events***

- Olga Vasylyk 2005, 2006
 - Oksana Honchar 2006
 - Nataliya Skachek 2006
 - Olga Vasechko 2007
 - Tetyana Yakovenko 2007
- (8 participants in Kuressaare 2008)

Visitors to the Univ. of Umeå

specialized in survey statistics

- Vladimir Donchenko 1994 (6 weeks)
- Victoria Parkhomenko 1997-2000 (8 m)
- Olga Vasylyk 1999 (1 month)
- Oleksandr Chernyak 1999 (1 week)
- Tetyana Yakovenko 2007, 2008 (3 m)
- Nataliia Kovalova 2008 (1 month)
- Artem Shcherbina 2008 (1 month)
- Oksana Honchar 2008 (1 month)

Artem Shcherbina

Nataliia Kovalova



Baltic-Nordic-Ukrainian network on survey statistics

New partner from 2007:

*National Taras Shevchenko
University of Kyiv*

Contact person: *Olga Vasylyk*,
Department of Probability Theory
and Mathematical Statistics

Belarus

***Population:* 10 million**

- **Minsk** 1.7 million
- Gomel 0.5 million
- Mogilev 0.4 million
- Vitebsk 0.3 million
- Grodno 0.3 million
- Brest 0.3 million

Independent republic 1991

- Russia 1795
- Independent 1918
- Soviet Union and Poland 1920
- Soviet Union 1940
- Independent 1991
- Union of Russia and Belarus 1996
- President: *Aleksandr Lukashenko*
- Prime minister: *Sergei Sidorsky*

Universities in Minsk

- Belarusian State University 1921
(*16000 students*)
- Belarusian National Technical University
1920 (*15000*)
- Belarusian State Economic University
1933 (*26000*)
- etc

Belarusian State University

- Department of Mathematical Modelling and Data Analysis (*Yuriy Kharin*)
- Department of Probability Theory and Mathematical Statistics (*Alexey Kharin*)



Belarusian State Economic U

Department of
Statistics,
Faculty of
Accounting
and Economics
(*Natalia Bokun*)



Other universities in Belarus

- Grodno State University 1940
(*20000 students*)
- Mogilev State U 1913/97 (*8000*)
- Brest State U 1945
- Vitebsk State U 1955
- Polotsk State U 1968 (*6000*)
- Gomel State U 1969 (*6000*)
- etc

Research institute *active in survey statistics*

The Research Institute
of Statistics,
Ministry of Statistics
and Analysis

Director: *Victor
Tamashevich*



Mission to Minsk 2007

8th International Conference on
Computer Data Analysis and Modeling

September 11-15, 2007

120 participants from 18 countries

Section on **Survey Analysis and Official
Statistics** (Victor Tamashevich) (40)

Team: *Danute Krapavickaite, Gunnar
Kulldorff, Natalja Lepik, Aleksandras
Plikusas and Tetyana Yakovenko*

September 12, 2007 in Minsk



September 14, 2007 in Minsk



Survey Analysis and Official Statistics

7 speakers from Belarus:

- Alexander Gedranovich
- Alexei Miksjuk
- V. Lialikova (Grodno)
- **Natalia Shynkevich**
- Ludmila Soshnikava
- Victor Tamashevich
- O. Yermalitskaya



Belarusian participant in Kuressaare 2008

Natalia Bokun

- Ph.D. in Economics 1987
- Department head in the Research Institute of Statistics since 1994
- Professor of economic statistics, Belarusian State Economic University since 2004

Textbook on survey sampling
in the Belarusian language

*Natalia **Bokun** and T. M.*

*Chernysheva (1997): Methods of
Sampling, 416 pages*

Belarusian Statistical Association

President:

Yuriy Kharin



The future

- Projects and support
- Activities
- Summer school in Ukraine 2009
- Expansion within Ukraine
- Expansion within Belarus

Projects and support

- *Extension of the Baltic-Nordic network on survey statistics to include Ukraine and Belarus (Visby Programme of the Swedish Institute, 160 000 SEK during 2008/09)*
- *Baltic-Nordic-Ukrainian network in survey statistics (Nordplus Horizontal of the Nordic Council of Ministers)*

Future activities

- Exchange visits from Ukraine and Belarus to Umeå and Stockholm (*6 months during 2008/09*)
- Exchange visit from Umeå to Ukraine (*September 19-29, 2008*)
- Summer school in Ukraine 2009
- Workshop in Latvia or Lithuania 2010
- Third BaNoCoSS in Norway 2011
- Intensive courses

Expansion within Ukraine

- Department of Applied Statistics, Faculty of Cybernetics, National Taras Shevchenko University of Kyiv
- Department of Statistics, Kyiv National University of Economics
- Universities in Dnipropetrovsk, Cherkassy, Uzhgorod, Ivano-Frankivsk etc
- State Statistics Committee of Ukraine (*Oleksandr Osaulenko*)
- **Summer School in August 2009**

Expansion within Belarus

- Two statistical departments in the Belarusian State University (*Yuriy Kharin*)
- Department of Statistics, Belarusian State Economic University (*Natalia Bokun*)
- The Research Institute of Statistics, Ministry of Statistics and Analysis (*Victor Tamashevich*)
- Universities in Grodno etc

Website of our network

Baltic-Nordic-Ukrainian Network on Survey Statistics

<http://mathstat.helsinki.fi/msm/bnu>

http://www.mechmat.univ.kiev.ua/probability/Frames/frame_bnu.html

<http://www.mechmat.univ.kiev.ua/probability/ukr/web.files/bsu.htm> (*in Ukrainian*)

Welcome

Ukrainians

and Belarusians

to our Network !

Welcome

to Ukraine !

2009