

# Preddvor 2000 - Methodology and Statistics

International Conference, 24 - 27 September 2000  
Hotel Bor and Castle Hrib, Preddvor, Slovenia

## Preliminary Program

version September 3, 2000

### SUNDAY, September 24, 2000

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9.00 Excursion to the Slovenian coast  
18.00 – 19.00 Registration in Castle Hrib

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### MONDAY, September 25, 2000

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8.00 – 9.00 Registration in Castle Hrib

9.15 Opening of the Conference

9.30 INVITED ADDRESS:

*Chair: A. Ferligoj*

**Ganapati P. Patil**, The Pennsylvania State University, USA  
**Multiscale Advanced Raster Map Analysis for Sustainable Environment and Development using Remote Sensing Data**

10.30 BREAK

11.00 Biostatistics I

*Chair: G.P. Patil*

**1. Soil Survey: A Two-Stage Sampling Design and its Composite Sample Alternative**

*Polona Kalan* (Slovenian Forestry Institute, Slovenia)

*Katarina Košmelj* (University of Ljubljana, Slovenia)

*Ganapati P. Patil* (The Pennsylvania State University, USA)

*Anton Cedilnik* (University of Ljubljana, Slovenia)

**2. Multivariate and Geostatistical Analysis of Heavy Metal Content in Soil**

*Marko Zupan and Damijana Kastelec* (Univ. of Ljubljana, Slovenia)

*J. W. Einax and J. Kraft* (Friedrich Schiller University Jena, Germany)

3. **The Use of EOF Analysis for Preparing the Phenological and Climatological Data for Statistical Downscaling – Case Study: The Beginning of Flowering of Dandelion (*Taraxacum officinale*) in Slovenia**

*Klemen Bergant, Lučka Kajfež-Bogataj, and Zalika Črepinšek*  
(University of Ljubljana, Slovenia)

12.30 LUNCH

14.00 Biostatistics II

*Chair: K. Košmelj*

1. **Survival after Myocardial Infarction – 15 Years of Follow up**

*Janez Stare* (University of Ljubljana, Slovenia)  
*Frank Harrell* (University of Virginia, USA)

2. **Sensitivity Analysis to Link Specification for Random Effects Models**

*Lara Lusa* (University of Firenze, Italy)  
*Patrizia Rozbowsky and Dario Gregori* (University of Trieste, Italy)

3. **Timing of the Sexual Debut: Do We Really Know the Answer?**

*Andrej Kveder and Dunja Obersnel Kveder*  
(Institute of medical science, Slovenia)

15.30 BREAK

16.00 Applications

*Chair: J. Stare*

1. **A Class of Normalised Indices of Equilibrium of a Sport Championship: Statistical Analysis and Simulation**

*Maurizio Brizzi* (University of Bologna, Italy)

2. **Testing the Juvenile Delinquency Pathways Model: An Example of Combining Different Data-Analysis Approaches**

*Gregor Repovš, Sanja Šešok, Gaj Vidmar, and Gregor Sočan*  
(University of Ljubljana, Slovenia)  
*T. Vidmar* (Jozef Stefan Institute, Slovenia)

3. **Sector Analysis for the Roulette Wheel**

*Mihael Perman* (University of Ljubljana, Slovenia)

17.30 Meeting of the Statistical Society of Slovenia

19.30 WELCOME RECEPTION

Offered by Tomaž Banovec, Director of the Statistical Office of the Republic of Slovenia

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**TUESDAY, September 26, 2000**

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9.00 INVITED ADDRESSES:

*Chair: A. Ferligoj*

**Gerhard H. Fischer**, University of Vienna, Austria  
**On the Statistical Interpretation of Score Differences within an IRT Framework**

10.00 Methodology

*Chair: G.H. Fischer*

1. **An IRT-Approach for Conjoint Analysis**  
*Gerhard Neubauer* (Joanneum Research, Austria)
2. **Assessing Reliability and Validity in the Context of the Semantic Differential**  
*Brendan Bunting and Christina O'Loughlin*  
(University of Ulster, N. Ireland)

11.00 BREAK

11.30 Internet Research Methodology

*Chair: H. Waege*

1. **Mode Effect in Web Surveys**  
*Katja Lozar Manfreda and Vasja Vehovar*  
(University of Ljubljana, Slovenia)  
*Zenel Batagelj* (CATI, Slovenia)
2. **The Respondents Profile in a Web Survey on Firms in Italy**  
*Silvia Biffignandi and Monica Pratesi* (University of Bergamo, Italy)
3. **Measuring Web Activities**  
*Luka Kogovšek and Vasja Vehovar* (University of Ljubljana, Slovenia)

13.00 LUNCH

14.30 Reliability and Validity

*Chair: B. Bunting*

1. **Reliability of Complete Social Network Measurement Instruments – A Meta-Analysis**  
*Valentina Hlebec and Anuška Ferligoj* (Univ. of Ljubljana, Slovenia)
2. **Estimating Reliability and Validity by a Split Ballot MTMM Design: Comparison of Different Design Options**  
*Tina Kogovšek and Anuška Ferligoj* (University of Ljubljana, Slovenia)  
*Germà Coenders* (University of Girona, Spain)  
*Willem E. Saris* (University of Amsterdam, The Netherlands)
3. **Social Support Typologies: Different Approaches for Reducing Social Support-Data**  
*Filip Agneessens, Hans Waege, and John Lievens*  
(University of Gent, Belgium)

16.00 BREAK

16.30 Marketing Research Methodology

*Chair: J. Rován*

1. **Laddering Methodology in Context of Qualitative and Quantitative Personal Values Research in Marketing**  
*Bojan Korenini and Zenel Batagelj (CATI, Slovenia)*
2. **Style Segmentation of Media Audiences**  
*Jasna Zdovc (Mediana, Slovenia)*
3. **Bass New Product Diffusion Model: Estimation and Findings**  
*Vesna Žabkar and Barbara Žužel (University of Ljubljana, Slovenia)*
4. **The Future of Direct Marketing**  
*Thomas Benesch (Graz University of Technology, Austria)*

20.30 Concert

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**WEDNESDAY, September 27, 2000**

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9.00 INVITED ADDRESSES:

*Chair: A. Ferligoj*

**Michael Greenacre**, Universitat Pompeu Fabra, Barcelona, Spain  
**Joint Correspondence Analysis**

**Martin Everett**, Greenwich University, London, United Kingdom  
**Computing Regular Equivalence: Practical and Theoretical Issues**

11.00 BREAK

11.30 Network Analysis Applications

*Chair: M. Everett*

1. **Perception of Slovenian Political Parties: A Network Approach**  
*Matej Kovačič, Valentina Hlebec, and Samo Kropivnik*  
(University of Ljubljana, Slovenia)
2. **Analysis of Ownership Relations in Slovenian Companies**  
*Marko Pahor, Anuška Ferligoj, and Janez Prašnikar*  
(University of Ljubljana, Slovenia)
3. **Function(s) of Inter-Individual Web Links: Individual and Structural Perspective**  
*Gregor Petrič (University of Ljubljana, Slovenia)*

13.00 LUNCH

14.30 Data Analysis

*Chair: M. Greenacre*

1. **Visualization of Compositional Data on the clr-plane**

*Matevž Bren* (University of Maribor, Slovenia)

*Josep Antoni Martin Fernandez* (University of Girona, Spain)

2. **Visualizations of Large Hierarchies and Pyramids**

*Matjaž Zaveršnik and Vladimir Batagelj* (Univ. of Ljubljana, Slovenia)

*Enzo Pavletič* (Državni industr. tehnični zavod J. Vega, Gorica, Italy)

3. **Visualization of Dynamical Networks**

*Andrej Mrvar and Vladimir Batagelj* (University of Ljubljana, Slovenia)

4. **Symbolic Data Analysis Approach to Ego-Centered Networks**

*Simona Korenjak-Černe, Vladimir Batagelj, and Tina Kogovšek*

(University of Ljubljana, Slovenia)

16.30 BREAK

17.00 Software Demonstration

*Chair: A. Ferligoj*

1. **UCINET**

*Everett Martin* (Greenwich University, London, United Kingdom)

2. **Pajek**

*Andrej Mrvar and Vladimir Batagelj* (University of Ljubljana, Slovenia)

18.00 Closing

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