PLENARY SESSION

TUESDAY, 07 MAY

16:00 - 17:30 Invited lecture by Prof. Erwin Diewert: "Quality Adjustment and Hedonics: A unified approach"

17:30 - 18:30 Welcome cocktail

WEDNESDAY, 08 MAY

9:30 - 10:00 Registration
10:00 - 10:30 Opening speech

10:30 – 12:00 Session 1: New data sources to compile price indices (I)
Chairperson: Patrick Kelly

Jens Mehrhoff: Towards a new paradigm for scanner data price indices: applying big data techniques to big data

Jan de Haan, Jacco Daalmans: Scanner Data in the CPI: The Imputation CCDI Index Revisited

Anna Bobel, Jacek Białek: Comparison of Price Index Methods for CPI Measurement using Scanner Data

12:00 - 13:30 Lunch break

13:30 - 15:00 Session 2: Pricing seasonal products
Chairperson: Roberto Olinto

Patrick Kelly, Matlhatsei Ratswana: Missing in action: testing alternative methods for imputations and seasonal items

Corinne Becker Vermeulen: Pricing seasonal products: the imputation techniques

Kristiina Nieminen, Yrjö Vartia, Antti Suoperä, Satu Montonen: Chain Error as a Function of Seasonal Variation
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<th>Time</th>
<th>Session/Topic</th>
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<tr>
<td>15:00 - 15:30</td>
<td><strong>Coffee break</strong></td>
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<td>15:30 - 16:30</td>
<td><strong>Session 3: New data sources to compile price indices (II)</strong></td>
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<td><strong>Chairperson: Jens Mehrhoff</strong></td>
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<td></td>
<td>Rafael Posse, Jorge Alberto Moreno: Use of Big Data in modern markets coexisting with traditional markets data</td>
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<td>Andrew Tomadini, Michael Holt: Experimental clothing indexes using Australian web scraped data</td>
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<td>16:30 - 17:30</td>
<td><strong>Poster session/Room document</strong></td>
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<td>17:30 - 19:00</td>
<td><strong>Session 4: Other topics (I)</strong></td>
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<td><strong>Chairperson: Jan de Haan</strong></td>
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<td>Ludwig von Auer: The Nature of Chain Drift: Implications for Scanner Data Price Indices</td>
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<td>Tsutomu Watanabe, Kozo Ueda, Kota Watanabe: Storable Goods, Chain Drifts, and the Cost of Living Index: New Methodology and Application to Japanese Data</td>
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<td>Antonio G. Chessa: A comparison of index extension methods for multilateral methods</td>
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**THURSDAY, 09 MAY**

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<td>09:00 - 10:30</td>
<td><strong>Session 5: New data sources to compile price indices (III)</strong></td>
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<td><strong>Chairperson: Jens Mehrhoff</strong></td>
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<td>Edward Rowland: Machine learning for classification with big data in price statistics production pipelines</td>
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<td>Olivia Ståhl, Peter Nilsson: Towards a roadmap for Efficient use of Electronic Transaction Data in the Swedish CPI</td>
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<td>Manuel I. Bertolotto: Online Price Index with Product Replacement: The Closest Match Approach</td>
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<td>10:30 - 11:00</td>
<td><strong>Coffee break</strong></td>
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11:00 - 12:30  
**Session 6: Compiling housing price indices**  
Chairperson: David Fenwick  

Rósmundur Guðnason: Owner occupied housing in the Icelandic CPI, a survey of simple user cost for a quarter of a century  

Paulo Picchetti: Residential Price Indexes using different sources of information  

Kate Burnett-Isaacs, Erwin Diewert, Ning Huang,: Developing Land and Structure Price Indexes for Ottawa Condominium Apartments  

12:30 - 14:00  
Lunch break  

14:00 - 15:00  
**Session 7: Index number formulae**  
Chairperson: Ludwig von Auer  

Ragnhild Nygaard, Li-Chun Zhang, Ingvild Johansen: Evaluating unit-value price indices in a dynamic item universe  

Claude Lamboray: Elementary aggregation: A not so elementary story!  

15:00 - 18:30  
Social programme – Museum of Tomorrow  

18:30 - 21:30  
Gala dinner – Assador Rio’s  

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**FRIDAY, 10 MAY**  

09:00 - 10:00  
**Session 8: Quality adjustment**  
Chairperson: Brian Graf  

Jean-Denis Zafar, Mathilde Poulhes: Webscraping prices to estimate hedonic models and extensions to other predictive methods  

Elisabeth Wieland: Measuring price dynamics of package holidays with transaction data  

10:00 - 10:30  
Coffee Break / Photo Session
10:30 - 12:00  
**Session 9: New data sources to compile price indices (IV)**  
Chairperson: Antonio Chessa  

Tanya Flower: Using alternative data sources in consumer prices, UK  

Lincoln Teixeira da Silva, Ingrid Luquett de Oliveira, Vladimir G. Miranda, Tiago Dantas: Studies of new data sources and techniques to improve CPI compilation in Brazil  

Can Tongur: Challenging the CES assumption with scanner data – pitfalls of the fixed basket  

12:00 - 13:30  
**Lunch break**  

13:30 – 14:30  
**Poster session/Room document**  

14:30 - 15:30  
**Session 10: Other topics (II)**  
Chairperson: Paulo Picchetti  

Doron Sayag, Danny Pfeffermann, Dan Benhur: Reducing Revisions in House Price Index with Nowcasting Model  

Brian Graf, Margarida Martins: Update of the CPI Manual  

15:30 - 16:00  
**Closing remarks**
POSTER SESSION (I)

WEDNESDAY, 08 MAY 16:30 – 17:30

New data sources to compile price indices

1. Tanya Flower: Task Team on Scanner Data
2. Hideaki Nakamura: Improving the accuracy of the CPI by using big data in Japan
3. Federico Polidoro: Combining data coming from scanner, traditional CPI data collection and other sources to compile sub-national PPPs in Italy
4. Ken Van Loon: Redefining what products are in the context of scanner data and web scraping, experiences from Belgium
5. Merav Oren-Yiftach: Automatic data collection in the Israeli CPI: measuring the sharing economy in the sector of short term rentals and web scraping for flights and hotels

Compiling housing price indices

6. Andrew Tomadini, Ruvani Ratnayake: Opportunities and challenges: Leveraging alternate data sources to compile the CPI Rents Index
7. Kate Burnett-Isaacs, Steve Martin: Unifying Approach to Statistics Canada’s Residential Property Price Index
8. Luiz Andrés Paixão: Hedonic price methods and real estate price index: an explanatory study for apartments market in Belo Horizonte, Brazil from 2004 to 2015
9. Fred Barzyc, Roobina Keshishbanoosy: A new hedonic rent index methodology for Canada

Price statistics that meet multiple user needs

10. Majed Skaini: Synergies between CPIs and PPPs and integration of survey activities’

ROOM DOCUMENTS

11. Vladimir G. Miranda, Pedro Kislanov da Costa, Rodrigo Ventura: Consumer price indices at IBGE: 40 years and counting

OTHER TOPICS

12. Jan Walschots: Changing baskets in the CPI
13. Rodrigo Ventura: Challenges of Using National Accounts for a More Frequent Update of the Brazilian CPI Weights
POSTER SESSION (II)

FRIDAY, 10 MAY 13:30-14:30

New data sources to compile price indices

1. **Paul Pascoe**, Fiona Smillie: Creating a Food Price Index Using Web Scraped Data
2. **Sara Heledd Thomas**: The use of approximate expenditure weights for web scraped data in consumer price indices
3. **Jens Mehrhoff**: Prompting the use of a publically available scanner data set in price index research and for capacity building
4. **Martti Korhonen**: New Data Sources for Rental and Housing Price Statistics in Finland

Compiling housing price indices

5. **Andrew Tomadini**: Experimental clothing indexes using Australian web scraped data
6. **Brian Graf**, Vanda Guerreiro: Residential property price index PRACTICAL COMPILATION GUIDE
7. **Paulo Fernando Mahaz Simões**: A Model Based Approach to Produce Commercial and Residential Property Price indices
8. **Kate Burnett-Isaacs**: Resale Residential Property Price Index (rRPPI) Methodology

Quality adjustment

9. **Bernhard Goldhammer**, Raffaella Traverso, Lukas Henkel: Bias related to the bridged-overlap method

Index number formulae

11. **Can Tongur**: A recursive Jevons formulation

Other topics

12. **Mone Imamura**, Taroh Nakayama: “Services in the Japanese CPI – Some Examples”
13. **Plinio Leal dos Santos**, Vladimir G. Miranda, Ivan Meirinho de Mello: Outlier detection for the National System of Costs Survey and Indices of Civil Construction (Sinapi) at The Brazilian Institute of Geography and Statistics (IBGE)
14. **Antonio G. Chessa**: MARS: A method for defining products and linking barcodes of item relaunches