

THE SOCIETY FOR BENEFIT COST ANALYSIS: FOURTH EUROPEAN CONFERENCE

11-12 SEPTEMBER 2023

MILAN, VIA CONSERVATORIO 7

(NEAREST UNDERGROUND STATION: SAN BABILA, DIRECT CONNECTION WITH LINATE AIRPORT)

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CONFERENCE VENUE WI-FI CREDENTIALS:

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MONDAY 11 SEPTEMBER:

8:00-8:45 a.m. **Registration of participants and welcome coffee**

8:45-9:00 a.m. **Plenary: Opening - ROOM 6**

- Carlo Fiorio, University of Milan, Head, DEMM
- Chiara Del Bo, University of Milan, Chair, LOC
- Henrik Andersson, Toulouse School of Economics and President, SBCA

9:00-10:30 a.m. **Parallel sessions:**

SESSION 1: REGIONAL (A) - ROOM 3

Chair: Roberta Capello, Politecnico

Co-Chair: Laura Resmini, University of Milan-Bicocca

1. **Simona Comi** – University of Milan-Bicocca
(with Federica Origo and Elena Villar)
Returns to Tertiary Vocational Education in Italy
2. **Marco Mariani** – IRPET-Regional Institute for Economic Planning of Tuscany
(with Nicola Sciclone, Enrico Conti and Maria Luisa Maitino)
The Effects of Pilgrimage Routes on tourist attractiveness of remote areas: The case of Via Francigena in Tuscany
3. **Mara Grasseni** – University of Bergamo
(with Simona Comi, Tommaso Ramella and Laura Resmini)
Do firms benefit from active labour market policies? The case of the Youth Guarantee programme in Lombardy.
4. **Federico Fantechi** and **Debora Gambina** – University of Palermo
(with Alessandro Cusimano and Fabio Mazzola)

Ex-post evaluation of incentive measures for sustainable technologies in Italian firms

- **Q&A**

SESSION 2: HEALTH (A) - ROOM 4

Chair: **Simona Gamba**, University of Milan

Co-Chair: **Simona Grassi**, King's College London

1. **Andreea Piri** – European Commission Joint Research Centre
(with Alessandro Olper and Valentina Raimondi)
Individual Health Effects of Trade-Induced Structural Change: Evidence from German Agri-Food Labor Markets
2. **Silvana Robone** – University of Insubria
(with Dan Liu and Gilberto Turati)
The effect of minimum wages on self-reported physical and mental health in China
3. **Andrea Riganti** – University of Milan
(with Simone Ferro)
The Hidden Toll of COVID-19 for Non-COVID-19 Patients
4. **Rossella Verzulli** – University of Bologna
(with Matteo Lippi Bruni)
The quicker the better: Fostering timely responses in public hospitals
5. **Giulio Cisco** – University of Lausanne
(with Julien Riou and Joachim Marti)
Estimating the socio-economic burden of antibiotic resistance: a mathematical modelling study

- **Q&A**

SESSION 3: SCIENCE (A) - ROOM 5

Chair: **Augusto Cramarossa**, Italian Space Agency (TBC)

Co-Chair: **Valentina Morretta**, University of Milan

1. **Valentina Morretta** – University of Milan
(with Massimo Florio, Stefano Carrazza, Paolo Castelnovo, Veronica Lupi and Lorenzo Zirulia)
Assessing the Earth Observation satellites' impact on the Italian economy: a multi-method approach
2. **Alvise Favotto** – University of Glasgow
(with Matteo Landoni and Eleonora Montagner)
How do public sector organisations use of earth observations? Implications for public accountability
3. **Paolo Castelnovo** – University of Insubria
(with Matteo Landoni, Francesco Giffoni and Gelsomina Catalano)
Public procurement in the space economy: An empirical analysis of the Italian case
4. **Adriaan Perrels** – Finnish Meteorological Institute
(with Kaisa Juhanko)
Evaluating the socioeconomic benefits of an incremental set of satellites
5. **Emanuele Doronzo** – University of Molise
(with Giuliano Resce and Remy Cohen)
New Frontiers of CBA – Machine Learning Approaches

- **Q&A**

SESSION 4: ENVIRONMENT (A) - ROOM 6

Chair: **Brian Jacobsen**, University of Copenhagen

Co-Chair: **Ilenia Gaia Romani**, FEEM, UniBS, MIT

1. **Francisco Alpizar** – Wageningen University & Research
(with Franklin Amuakwa-Mensah, Alejandro Lopez-Feldman, Jose David Lopez, Jie-Sheng Tan-Soo, Dale Whittington, Richard Carsson and Thomas Sterner)
Climate vs. covid-19: Public Perception of climate change policy actions in Recovering from COVID-19 in Developing Countries.
2. **Brian Jacobsen** – University of Copenhagen
(with Berit Hasler and Søren Olsen)
A Cost-Benefit Analysis of Water Framework Directive implementation in Denmark towards 2027
3. **Yanay Farja** – Tel-Hai College
(with Dror Angel and Asael Greenfeld)

Food Security and Sustainability Benefits of Local Mariculture vs. Imports

4. **Ilenia Gaia Romani** – FEEM, UniBS, MIT

(with Nicola Comincioli and Sergio Vergalli)

Cost-benefit analysis of landfill emergency securing: Two applications in Southern Italy

- **Q&A**

10:30-10:45 a.m. Coffee Break

10:45-11:45 a.m. Plenary Session 1 - ROOM 6

- **Keynote Speaker:**

Lisa Robinson, Harvard University-Center for Health Decision Science and Center for Risk Analysis, Harvard T.H. Chan School of Public Health
Benefit-Cost Analysis: Why and Whither

- **Q&A**

11:45-1:15 p.m. Parallel sessions:

SESSION 5: REGIONAL (B) - ROOM 3

Chair: Patrizia Lattarulo, IRPET-Regional Institute for Economic Planning of Tuscany

Co-Chair: Maurizio Conti, University of Genoa

1. **Mario Tartaglia** – Ferrovie dello Stato Italiane

(with Andrea Fiduccia and Cisco Gianluigi)

Wider effects of transportation planning: focusing on socioeconomic dynamics and issues

2. **Leonardo Piccini** – IRPET-Regional Institute for Economic Planning of Tuscany

(with Patrizia Lattarulo)

The impact of accessibility changes on local development through the key of firm location patterns

3. **Antoine Belleguie** – Gustave Eiffel University (TBC)

Embracing Rail Decarbonization: A Post-Keynesian Approach on Sustainable Rail Alternatives

4. **Maurizio Conti** – University of Genoa

(with Anna Bottasso, Antonella Ferrara and Simone Robbiano)

High Speed Railways and Firms TFP: Evidence from Italy

- **Q&A**

SESSION 6: HEALTH (B) - ROOM 4

Chair: Simona Grassi, King's College London

Co-Chair: Chiara Pancotti, CSIL

1. **Chiara Pancotti** – CSIL

Potential cost and benefit of the proposed European Medicine Infrastructure

2. **Maddalena Ferranna** – University of Southern California

(with Jp Sevilla, David Bloom and Manya Malik)

The value of health improvements around the world

3. **Dale Whittington** – University of North Carolina at Chapel Hill

(with Richard Carson, Helena Cardenas, Michael Hanemann, Gunnar Kohlin, Wiktor Adamowicz, Thomas Sterner, Franklin Amuakwa-Mensah, Francisco Alpizar)

The Choice of a Health Outcome Metric: People's Preferences from Seven Developing Countries

4. **Simone Marco Ferro** – University of Milan

(with Chiara Serra)

Triage at Shift Changes and Distortions in the Perception of Patients' Condition at ED

5. **Giovanni Righetti** – University of Verona

The Impact of AMNOG Reform in Germany on Pharmaceutical Prices

- **Q&A**

SESSION 7: SCIENCE (B) - ROOM 5

Chair: Silvia Vignetti, CSIL

Co-Chair: Johannes Gutleber, CERN

1. **Johannes Gutleber** – CERN

The role of socio-economic impact studies in the design of a new research infrastructure and the impact of the open science paradigm

2. **Erica Delugas** – CSIL
(with Gelsomina Catalano)
Evaluation of open science practices: main challenges and future avenues to develop a cost-benefit analysis framework
 3. **Louis Colnot** – CSIL
(with Emanuela Sirtori and Francesco Giffoni)
Assessing scientific knowledge creation and dissemination in an open science world: evidence from the CERN experiments
 4. **Gabriele Piazza** – London School of Economics and Political Science
Where the God Particle Touches the Ground: The Local Impact of Research Infrastructure Procurement in Italy
- **Q&A**

SESSION 8: ENVIRONMENT (B) - ROOM 6

Chair: Geula Michael Bitton, Reichman University

Co-Chair: Franklin Amuakwa-Mensah, University of Gothenburg

1. **Tali Guttman** – Reichman University
(with Geula Michael-Bitton, Shiri Zemah-Shamir and Yonatan Sabag)
A Cost-Benefit Analysis of The Dalia River's Wetland
 2. **Franklin Amuakwa-Mensah** – University of Gothenburg
(with Alejandro Lopez-Feldman, Thomas Sterner, Gunnar Köhlin, Dale Whittington, Richard Carson, Michael Hanemann, Francisco Alpizar and Wiktor Adamowicz)
Water-Energy-Food use in times of COVID-19 pandemic in seven developing countries
 3. **Anna Boros** – University of Warsaw
(with Anna Bartczak, Wiktor Budziński and Bartosz Jusypenko)
The role of proactive personality in explaining the heterogeneity of preferences concerning air quality improvement programs.
 4. **Geula Michael Bitton** – Reichman University
(with Shiri Zemah Shamir)
Nature based Solution. Retention ponds in Yavne'el river basin, Israel, as a case study
- **Q&A**

1:15-2:15 p.m. **Lunch Break**

2:15-3:00 p.m. **Plenary Session 2 – ROOM 6**

- **Doramas Jorge-Calderón**, European Investment Bank
“**The Economic Appraisal of Investment Projects at the EIB**”
Presentation of the European Investment Bank Guide, new edition 2023
- Comment: **Massimo Florio**, University of Milan

3:00-4:30 p.m. **Parallel sessions:**

SESSION 9: HEALTH (C)/SWACHE Project - ROOM 4

Chair: Olof Bystrom, OECD

Co-Chair: Chiara Sotis, London School of Economics and Political Science

1. **Olof Bystrom** – OECD
(with Eeva Leinala and Damien Dussaux)
Valuing reduction in health risk and severity related to chemicals exposure
2. **Väinö Nurmi** – European Chemicals Agency (ECHA)
(with Damien Dussaux, Andrea Leiter and Christoph Rheinberger)
Value of a statistical case of infertility
3. **Gildas Appere** – University of Angers
(with Damien Dussaux, Alan Krupnick and Muriel Travers)
Valuing Asthma: a multi-country stated preference approach
4. **Iva Zverinova** – Charles University

(with Milan Ščasný)

Valuing Very Low Birth Weight: A multi-country SWACHE stated preference study

5. **Chiara Sotis** - London School of Economics and Political Science

(with Susana Mourato, Stavros Georgiou, Davide Contu, Giles Atkinson and Damien Dussaux)

Valuing the avoidance of IQ losses in children: A large scale multi-country stated preferences approach

6. **Damien Dussaux** – OECD

(with Chris Dockins, Charles Griffiths, Sandra Hoffmann, Simon Nathalie)

Valuing the reduction in the risk of chronic kidney disease, A large scale multi-country stated preference approach

- **Q&A**

SESSION 10: SCIENCE (C) - ROOM 5

Chair: Kerry Krutilla, Indiana University-Bloomington

Co-Chair: Marcella De Martino, Italian National Research Council (CNR)

1. **Marcella De Martino** – Italian National Research Council (CNR)

(with Carmela Cornacchia, Simone Gagliardi, Giuseppe Gargano, Rosa Maria Petracca Altieri, Francesca Ricciardi)

The Socio-Economic Impact Assessment of ACTRIS-Italy: preliminary results and future research directions

2. **Amanda Walsh** – RTI International

(with Anne-Maree Dowd and Thomas Keenan)

Impacts of CSIRO Addressing Australia's Grand Challenges

3. **Junhanlu Zhang** – European Synchrotron Radiation Facility (ESFR)

(with Ennio Capria)

Socio-Economic Impact of Research Infrastructures (RIs): Case Study of the ESRF's Industrial Involvement through the Public Programme

4. **Kerry Krutilla** – Indiana University

(with Art Fraas, John D. Graham, Randall Lutter, Jason Shogren, Linda Thunström and W. Kip Viscusi)

Challenges in Estimating the Social Cost of Greenhouse Gases; The Case of EPA's New Proposed Estimates

5. **Mathis Fundaro** – Citizing

Cost Benefit Analysis on nuclear energy. How can we tackle the challenges of long-term uncertainty?

- **Q&A**

SESSION 11: ENVIRONMENT (C) – ROOM 6

Chair: Richard Belzer, Good Intentions Paving Company

Co-Chair: Peter Zwaneveld, CPB Netherlands Bureau for Economic Policy Analysis

1. **Richard Belzer** – Good Intentions Paving Company

The Household-Level Costs of Net Zero 2050 in the United States

2. **Ranko Pudar** – Pudar Mitigation Consulting

Benefit-Cost Analysis in Mitigation of Natural Disasters: Use Of Composite Depth-Damage Functions for Analysis of Critical Infrastructure

3. **Miguel de Ortuzar de Garate** – Biscay Regional Council

(with José María de Ortuzar de Garate)

Climate change action measures consideration in CBA for road/pedestrian/cycle transport infrastructures. Their long run effect and uncertainties. Two cases in Biscay.

4. **Peter Zwaneveld** – CPB Netherlands Bureau for Economic Policy Analysis

(with Frits Bos)

How to measure the value of nature in cost-benefit analysis and TEEB-studies? The case of Bonaire's coral reefs

5. **Yana Jin** – Peking University

(with Henrik Andersson)

Eliciting willingness to pay to reduce health risks related to air pollution – the effect from stated preference survey mode

- **Q&A**

4:30 p.m. END OF THE FIRST DAY PROGRAM

TUESDAY 12 SEPTEMBER:

8:45-9:00 a.m. Registration

9:00-10:30 a.m. Parallel sessions:

SESSION 12: TOBACCO (A) – ROOM 3

Chair: Donald Kenkel, Cornell University

Co-Chair: Trilochan Pokharel, Nepal Open University

1. **Xiulan Zhang** – Beijing Normal University
(with Mengnan Xu and Steve Lin)
The Impact of e-Cigarette Retail Regulations on the Retail System Development in China
 2. **Jacob Rich** – Case Western Reserve University School of Medicine
Estimates of Cross-Border Menthol Cigarette Sales Following the Comprehensive Tobacco Flavor Ban in Massachusetts
 3. **Trilochan Pokharel** and **Hari Dhungana** – Nepal Open University
(with Nirmal Kumar Raut and Shreezal Gc)
Consumer Preference for Tobacco Harm Reduction Products in LMICs: Results from a Discrete Choice Experiment Amongst Current and Potential Tobacco Users in Nepal
 4. **Donald Kenkel** – Cornell University
(with Ayda Yurekli)
Could Japan achieve the end-game for smoking before the mid-century?
- **Q&A**

SESSION 13: POLICY - ROOM 4

Chair: Kristina Gogic, Independent researcher in the field of BCA

Co-Chair: Hanna Sakhno, University of Groningen

1. **Kristina Gogic** – Independent researcher in the field of BCA
The Influence of the Benefit-Cost Analysis on the Policy Evaluation in the European Union
 2. **Hanna Sakhno** – University of Groningen
Country-specific determinants of populist electoral success in Europe: A multi-level study beyond 'culture versus economics'
 3. **Marco Gambaro** – University of Milan
Supporting film production to create European audiovisual market?
 4. **Katarzyna Skrzypek** – University of Warsaw
(with Patrick Lloyd-Smith and Ewa Zawojcka)
Five decades in travel cost studies: Research trends through the lens of best practices
- **Q&A**

SESSION 14: TRANSPORT – ROOM 5

Chair: Elin Vimefall, Örebro University School of Business

Co-Chair: Zach Lee, Nanyang Technological University

1. **Francisco Javier Amador** – University of La Laguna
(with Gorka Bueno, David Hoyos and Andoni Kortazar)
Including life cycle impacts in the cost-benefit analysis. The case of the high speed train network in Spain.
 2. **Zach Lee** – Nanyang Technological University
Delegating driving to an autonomous vehicle: A choice decision under risk and uncertainty
 3. **Henrik Andersson** – Toulouse School of Economics
(with Arne Risa Hole and Jan-Erik Swärdh)
Does WTP for transport safety vary by mode?
 4. **Elin Vimefall** – Örebro University School of Business
(with Linda Andersson Järnberg, Daniela Andrén, Lars Hultkrantz, Maria Börjesson and Elisabet Rutström)
Willingness to pay for improvements of vulnerable road users' safety – does it differ by intervention?
- **Q&A**

SESSION 15: METHODS (A) - ROOM 6

Chair: Pellegrino Manfra, City University New York/QueensboroughCC

Co-Chair: Wiktor Budzinski, University of Warsaw

1. **Rosa Ferrentino** and **Luca Vota** – University of Salerno
The In-Kind transfer strategy for the development of the Italian Mezzogiorno: a cost-benefit analysis through a RBC model
2. **Pellegrino Manfra** – City University New York/QueensboroughCC
A Benefit/Cost Analysis Model Examining "Inflation Inequality" And Its Affects On Various Income Level
3. **Jerome Massiani** – University of Milan-Bicocca
(with Matteo Modena)
Some methodological issues in project evaluation Guidelines: looking at the European Investment Bank and guidelines in European countries.
4. **Marco Leonardi** – University of Milan
(with Vincenzo d'Alberti)
A decision support system for measuring and evaluating solutions for sustainable development
5. **Wiktor Budzinski** – University of Warsaw
(with Mikołaj Czajkowski)
Welfare measures and demand predictions in volumetric choice experiments

- **Q&A**

10:30-10:45 a.m. Coffee Break

10:45-11:45 p.m. Plenary Session 3

- **Keynote Speaker:**
Ben Groom, University of Exeter Business School-Dragon Capital Chair in Biodiversity Economics
The long-term value of nature and nature-based solutions to climate change
- **Q&A**

11:45-1:15 p.m. Parallel sessions:

SESSION 16: TOBACCO (B) - ROOM 3

Chair: Donald Kenkel, Cornell University

Co-Chair: Maria Qureshi, QBAL (TBC)

1. **Donald Kenkel** – Cornell University
(with Alan Mathios, Grace Phillips, Revathy Suryanarayana and Hua Wang)
Just What the Doctor Ordered? The Benefits and Costs of E-Cigarette Regulation in Australia
 2. **Asena Caner** – TOBB University of Economics and Technology
(with Yenel Yiğit and Belgi Turan)
The Impact of Covid-19 on Smoking Among University Students in Turkey: Evidence from a Longitudinal Survey
 3. **Giorgi Mzhavanadze** – Healthy Initiatives
Illicit Cigarette Market in Georgia: Potential Impacts on Smoking Prevalence and Tax Revenues
 4. **Maria Qureshi** – QBAL
(with Nadeem Iqbal)
Examining Impediments to Reduced Risk Product Adoption in Pakistan; Results from 12 focus groups with adults who smoke cigarettes and/or use e-cigarettes.
- **Q&A**

SESSION 17: REGULATION - ROOM 4

Chair: Johanna Jussila Hammes, Swedish National Road and Transport Research Institute

Co-Chair: Susan Durden, U.S. Army Corps of Engineers

1. **Johanna Jussila Hammes** – Swedish National Road and Transport Research Institute (VTI)
(with Lena Nerhagen)
Ex ante or ex post - When should a regulatory impact assessment be done?
2. **Susan Durden** – U.S. Army Corps of Engineers, Institute for Water Resources

Four Accounts, Maximizing National Benefits, Paths Forward, Detours and Wrong Turns

3. **Gabriela Borges Silva**– Getulio Vargas Foundation
Regulatory Impact Analysis in the Financial Sector: developing a procedural accountability instrument for Central Banks
 4. **Natasha Salinas** – Getulio Vargas Foundation
(with Lucas Thevenard Gomes)
Open exceptions: why does the Brazilian Health Regulatory Agency exempts RIA and ex post reviews?
- **Q&A**

SESSION 18: ENERGY - ROOM 5

Chair: Paula Gutierrez, University of the Andes

Co-Chair: Antonia Elisabeth Schneider, TU Wien

1. **Paula Gutierrez** – University of the Andes
Benefits Assessment Methodology for rural electrification projects in Non-Interconnected Zones (ZNI)
 2. **Gunnar Köhlin** – University of Gothenburg
(with Nuredin Mahammednur)
Impact of Grid Electricity on Wood Use and Wood Collection Time: Application of Instrumental Variable Method
 3. **Simone Boccaletti** – University of Milan-Bicocca
(with Jérôme Massiani)
A consistent model for socio-economic evaluation of renewable energy projects and policies
 4. **Antonia Elisabeth Schneider** – TU Wien
(with Wojciech Zawadzki)
Valuing Heat Relief. Stated Preference Surveys to Evaluate Policies for Urban Heat Adaptation, theoretical considerations and an empirical application.
- **Q&A**

SESSION 19: SOCIETY - ROOM 6

Chair: Meenakshi Fernandes, European Parliament

Co-Chair: Anna Bartczak, University of Warsaw

1. **Yana Jin**– Peking University
(with Yanying Wang, Huan Lin, Wei Wan and Shiqiu Zhang)
Valuing Mortality Risk Reductions in Fast-developing Societies: A Meta-Analysis of Stated Preference Studies in China from 1998 to 2019
 2. **Meenakshi Fernandes** – European Parliament
(with Cecilia Navarra)
A cost-benefit assessment of a legislative proposal to criminalise gender-based violence at the EU level
 3. **Anna Bartczak** – University of Warsaw
(with Natalia Starzykowska, Susan Chilton, Jytte Nielsen and Rebecca McDonald)
“Is my granny better than yours?” Experimental study concerning generosity towards elderly
 4. **Sandya Venugopal** – Venugopals Consulting Services
Cost Benefit Analysis of a Proactive Preventive Service for Mitigation of Domestic Violence
 5. **Alejandro Lopez-Feldman** – University of Gothenburg
(with Francisco Alpizar, José López, Franklin Amuakwa-Mensah and Jie-Sheng Tan-Soo)
Priming and negative shocks: Looking into the reliability of life satisfaction measurement
- **Q&A**

1:15-2:15 p.m. Lunch Break

2:15-3:45 p.m. Parallel sessions:

SESSION 20: PLURALISTIC CBA - ROOM 5

Chair: Massimo Cingolani, European Investment Bank

Co-Chair: Roger Guesnerie, College de France

1. **Eugenio Leanza** – European Investment Bank (formerly)
(with Rubina Canesi)
The impacts of a General Purpose Technology Change in a Stock Flow Perspective

2. **Roger Guesnerie** – College de France
(with **Joel Maurice**)
Questions on Cost-Benefit Analysis and discussion of present answers
3. **Nadia Garbellini** – University of Modena and Reggio Emilia
How to curb high public debt: Evidence from advanced countries
4. **Massimo Cingolani** – European Investment Bank
SDGs, change of techniques and welfare impact
 - **Q&A**

SESSION 21: METHODS (B) – ROOM 6

Chair: Ewa Zawojksa, University of Warsaw

Co-Chair: Luciano Greco, University of Padua

1. **Ewa Zawojksa** – University of Warsaw
(with Christian Vossler)
Validity tests of discrete choice experiments for valuing public goods: The effects of varying the number of choice options and choice questions
2. **Luciano Greco** – University of Padua
(with Mariano Moszoro)
Public versus Private Cost of Capital with State-Contingent Terminal Value
3. **Paolo Delle Site** – Niccolò Cusano University
Hicksian measures of welfare change in Logit models with translog-in-income utilities
4. **Yohei Mitani** – Kyoto University
(with Ao Liu and Henrik Lindhjem)
The Value of Statistical Life in a Pandemic Context: Age, Health, and Economic Preferences
 - **Q&A**

3:45-4:15 p.m. Concluding Remarks

- Massimo Florio, University of Milan
- Chiara Del Bo, University of Milan
- Glenn Blomquist, SBCA Board
- **Announcement of the next European Conference**

4:15-5:00 p.m. Networking event and photo

5:00 p.m. END OF THE CONFERENCE