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The Tuscan Interuniversity Research Centre Camilo Dagum on Advanced Statistics for the Equitable and Sustainable Development – ASESD was founded on the initiative of the “Dipartimento di Economia e Management” of the University of Pisa, the “Dipartimento di Economia Politica e Statistica” of the University of Siena and the “Dipartimento di Statistica, Informatica, Applicazioni” of the University of Florence.

The Centre ASESD Camilo Dagum aims to:

- promoting and fostering multidisciplinary cooperation in research and application of advanced statistical methods to the study of sustainable and equitable development;
- providing a specific response to the will expressed by the Tuscany Region for supporting collaboration between universities, the integration between the research system and the production system as laid down in the Memorandum of Understanding between the “Ministry of Education”, the “University and Research and Tuscany Region”. All approved by Resolution No. GRT. 705 of 03-08-2012;
- promoting applied research on issues that engage the testing of multi – interdisciplinary contributions;
- acquiring international research assignments and also national, regional and local research assignments that allows scientific advances of interdisciplinary studies carried on by the Tuscan Universities;
- organizing national and international scientific events with other bodies, institutions, companies and industries;
- promoting agreements with national or international Research Centres or Institutes for Development, public or private organizations, companies and industries operating in the sectors of interest.

RECENT EVENTS

Jean Monnet SAMPLEU Workshop “Small Area Methods and living conditions indicators in European poverty studies in the era of data deluge and Big data” (8-10 May 2018)

The Final event of the Jean Monnet SAMPLEU (awarded to Prof. Monica Pratesi in 2015) on “Small Area Methods and living conditions indicators in European poverty studies in the era of data deluge and Big data” was held in Pisa on 8th -10th May 2018. The event was organized in close collaboration with the Consortium Makswell (Making Sustainable Development and Well-being frameworks work for policy) and



the Centre ASESD Camilo Dagum. The Workshop hosted more than a hundred participants from several nations. Contributions and interventions has been provided by representatives of national and international institutions as well as top-level international academics from educational and research institutions. The Workshop led participants to reflect on the most up-to-date knowledge in the field of multidimensional poverty, Small Area Estimation (SAE) methods, Purchase Power Parities (PPPs), living conditions in EU and it gave insight into the use of new and traditional data sources (Big Data) for the future research needs.

Programme

→ You can find all the slides and the video recordings of the Workshop [here](#)

Slides of the interventions of the Members of the Centre:

- [Daniela Ghio - Introduction Table 1: “Monitoring poverty at a local level: why is it important?”](#)
- [Monica Pratesi: “Monitoring of poverty at local level, the issue of poverty lines and the use of SAE”](#)
- [Tiziana Laureti: “The estimation of regional prices level: need for comparison and the situation in Italy”](#)
- [Achille Lemmi - Introduction Table 2: “Multidimensional poverty at a local level – how to synthesize the dimensions?”](#)
- [Vijay Verma: “Poverty: cross-sectional, multidimensional, longitudinal”](#)
- [Vincenzo Mauro: “Synthesis and analysis of multidimensional indicators”](#)
- [Caterina Giusti: “Small area methods and big data sources”](#)
- [Luigi Biggeri - Keynote Presentation “The computation of subnational spatial price indexes for the study and monitoring of inequalities at a local level in the era of big data”](#)

Festival dello Sviluppo Sostenibile 2018

Within the activities of the “Festival dello Sviluppo Sostenibile 2018”, promoted by “Alleanza Italiana per lo Sviluppo Sostenibile (ASviS)”, the Centre ASES D Camilo Dagum organized two events:

- **A framework for policy evaluation towards well-being and sustainability (28 May 2018)**
- **Definire la sostenibilità: un approccio multidisciplinare (29 May 2018)**

49th Scientific meeting of the Italian Statistical Society (20-22 June 2018)

The 49th Scientific meeting of the Italian Statistical Society was held in Palermo on 20-22 June 2018. Members of the Centre participated actively to the meeting, chairing the following sessions:

- o Monica Pratesi: Plenary Session “A New Paradigm for Rating Data Models”
- o Luigi Biggeri: Specialized Session “Economic Statistics and Big Data”
- o Leonardo Grilli: Contributed Session “Family & Economic Issues”
- o Alessandra Petrucci: Specialized Session “Integration Surveys and Register Based Statistics: Past, Present and Future”
- o Laura Grassini: Solicited Session “Tourism: Destinations, Household, Firms”

and presenting or co-authoring the following contributions:

- o *A Latent Class Conjoint Analysis for analysing graduates' profiles* || A. Marletta, P. Mariani, **L. Masserini**, M. Zenga
- o *Big data and spatial price comparisons of consumer prices* || **T. Laureti**
- o *Can a neighbour region influence poverty? A fuzzy and longitudinal approach* || **G. Betti**, F. Crescenzi, **F. Gagliardi**
- o *Challenges, needs and risks in defining wellbeing indicators* || **F. Maggino**
- o *Comparing different aggregating approaches. An application to the Gender equality indicators in Italy at sub-national level* || E. di Bella, **F. Maggino**, L. Leporatti
- o *Dealing with reciprocity in dynamic stochastic block models* || F. Bartolucci, **M. F. Marino**, S. Pandolfi
- o *Dependence and sensitivity in regression models for longitudinal responses subject to dropout* || M. Alfò, **M. F. Marino**
- o *Dynamics in Price and Income Elasticities over 20 years in Italy* || S. Capacci, **L. Secondi**, I. Benedetti
- o *Economic Uncertainty and Fertility: a Meta-Analysis of European Research Findings* || G. Alderotti, **D. Vignoli**, M. Baccini
- o *Environmental shocks and internal migration in Tanzania* || **E. Pirani**, **A. Petrucci**, **M. F. Marino**
- o *Estimation of wealth on spatially disaggregated levels in Germany based on the Household Finance and Consumption Survey (HFCS)* || T. Schmid, A. Kreutzmann, P. Marek, **N. Salvati**
- o *Evaluating sustainability through an input-state-output framework: the case of the Italian provinces* || **L. Neri**, **A. Lemmi**, **F. M. Pulselli**
- o *Integration of socio-economic data for the estimation of indicators at municipal level* || **G. Bertarelli**, S. Casacci, M. D'Alò, D. Ercolani, A. Guandalini, A. Fasulo, M. G. Ranalli, F. Solari

- *Is retirement bad for health? A matching approach* || **E. Pirani**, M. Ballerini, **A. Mattei**, G. De Santis
- *Labour market condition in Italy during and after the financial crises: a segmented regression analysis approach of interrupted time series* || M. Bini, **L. Masserini**
- *Measuring Economic Uncertainty: Longitudinal Evidence Using a Latent Transition Model* || F. Giambona, **L. Grassini**, **D. Vignoli**
- *Modelling the effect of Traffic and Meteorology on Air Pollution with Finite Mixtures of M-quantile Regression Models* || S. Del Sarto, **M.F. Marino**, M.G. Ranalli, **N. Salvati**
- *Monetary poverty indicators at local level: evaluating the impact of different poverty thresholds* || **L. Biggeri**, **C. Giusti**, **S. Marchetti**, **M. Pratesi**
- *Multilevel analysis of student ratings with missing level-two covariates: a comparison of imputation techniques* || **C. Rampichini**, **M. F. Marino**
- *Participation in tourism of Italian residents in the years of the economic recession* || E. Rocco, C. Bocci, **L. Grassini**
- *Studying the relationship between anxiety and school achievement using M-quantile random-effects regression with sampling weights* || F. Schirripa Spagnolo, **A. D'Agostino**, **N. Salvati**
- *The determinants of tourism destination competitiveness in 2006-2016: a partial least square path modelling approach* || A. Magrini, **L. Grassini**
- *The financial crisis, food consumption and quality of diets: An international perspective* || **T. Laureti**, M. Mazzocchi
- *The impact of economic development on fertility: a complexity approach in a cross-country analysis* || N. Innocenti, **D. Vignoli**, L. Lazzaretto
- *The systemic view of the SDGs indicators through a statistical model-based approach: an application on Eu countries* || C. Cavicchia, **F. Maggino**, M. Vichi
- *The Transition to Motherhood among British Young Women: does housing tenure play a role?* || **V. Tocchioni**, A. Berrington, **D. Vignoli**, A. Vitali
- *Three-level M-quantile model for small area poverty mapping* || **N. Salvati**, **S. Marchetti**

Contributions of the members are available on the [website](#)

Thirteen National Conference of Statistics

During the Thirteen National Conference of Statistics was presented the EMOS programme.

Check the list and the slides of the interventions [here](#)

Some videos of the conference can be found on [YouTube](#)

FUTURE CONFERENCES OF INTEREST FOR THE MEMBERS OF THE CENTRE

- **35th IARIW General Conference (Copenhagen, August 20-25, 2018)**
More information [here](#)
- **2018 IAOS-OECD Conference "Better Statistics for Better Lives" (Paris, September 19-21, 2018)**
More information [here](#)

NEWS FROM THE NETWORK

MAKSWELL – Session Jean Monnet SAMPLEU Workshop

During the Jean Monnet SAMPLEU Workshop “Small Area Methods and living conditions indicators in European poverty studies in the era of data deluge and Big data” (Pisa, 8-10 May 2018) a special session was dedicated to Makswell project (chair. M.P. Sorvillo – ISTAT). During this session Fabio Bacchini and Tommaso Rondinella (ISTAT) presented the Makswell actual results and the plans for the future with a reflection on the research themes for FP9.

Download the slides of the interventions [here](#)

At the 13th “Conferenza Nazionale di Statistica” in the poster session was scheduled a poster about MAKSWELL project, its contest to define new research themes of statistical interest for EU FP9 was shown. Moreover A. Tinto (ISTAT) presented some results of the project (check out the slides of the intervention [here](#))

Read more on [MAKSWELL project](#) and follow the Twitter account [@MAKSWELLproject](#)

InGRID-2 – Second General Assembly (31 May – 1 June 2018, HIVA-KU Leuven)

On 31 May and 1 June 2018, InGRID-2 partners gathered in Leuven to discuss the state-of-affairs and the future of InGRID-2 and to update the partners on the trends in transnational access and the events. Moreover, partners with joint research objectives came together to set out their action plan for the coming months. Monica Pratesi and Caterina Giusti attended the meeting presenting the future research objectives in which the Centre will be involved.

Read more on [INGRID-2 project](#)

Download the last [INGRID-2 newflash](#)

FAMI – Fondo Asilo Migrazione e Integrazione 2014-2020

The members of the Centre involved in FAMI (M. Pratesi, B. Pacini, A. Petrucci, G. Betti, C. Giusti, S. Marchetti, L. Masserini, V. Tocchioni, L. Neri, G. Ghellini, V. Mauro) are working on the report (the so called “Relazione di Contesto”) on the integration of immigrants in Italy. In particular, the Centre is involved in the OS-2 regarding the working, linguistic and educational integration of migrants.