



IFC – Bank Indonesia Satellite Seminar on “Big Data” on 21 March 2017 in Bali, Indonesia, at the [Bali International Conference Centre¹](#)

(Preceding the ISI Regional Statistics Conference in Bali on 22–24 March 2017²)

Programme

Welcoming Remarks

- Ms Yati **Kurniati**, Executive Director, Statistics Department, Bank of Indonesia ([speech](#))
- Mr Aurel **Schubert**, Director General, Statistics Department, European Central Bank, and Vice Chair, IFC Executive ([speech](#))

Opening Keynote

Mr Agus **Sudjianto**, Executive Vice President, Head of Corporate Model Risk, Wells Fargo, USA: “*Quantitative Risk Management and Stress Test to Ensure Safety and Soundness of Financial Institutions*” ([presentation](#))

Session 1: “Big Data for Central Banks”

Chair: Mr Robert **Kirchner**, Deputy Director General Statistics, Deutsche Bundesbank

Presenters:

- Mr Jens **Mehrhoff**, Eurostat “*Central banks’ use of and interest in “big data”*” ([presentation](#))
- Mr Maciej **Piechocki**, BearingPoint / Central Banking: “*Data as a critical factor for central banks*” ([presentation](#))
- Mr Michal **Piechocki**, Business Reporting–Advisory Group: “*Overview of international experiences with data standards and identifiers applicable for big data analysis*” ([presentation](#))

Session 2: “Internet datasets”

Chair: Mrs Gülbin **Şahinbeyoğlu**, Executive Director, Statistics Department, Central Bank of the Republic of Turkey and IFC Executive

Presenters:

- Mr Gagik **Aghajanyan**, Central Bank of Armenia: “*The use of big data in Central Bank of Armenia*” ([presentation](#))
- Mr Rendell E. **de Kort**, Central Bank of Aruba: “*Forecasting tourism demand through search queries and machine learning*” ([presentation](#))
- Mr Isaiah **Hull**, Sveriges Riksbank, “*Do sales price information scraped from Internet increase precision of short–term inflation forecasts? – A pilot study*” ([presentation](#))

¹ Bali International Conference Centre (BICC) - Street address: Kawasan Pariwisata Nusa Dua, BTDC Lot N-3, Nusa Dua 80363, Indonesia, Phone: +62 623 6177 1906

² See www.isi-rsc2017.org

- Mr Patrick **Weber**, Deutsche Bundesbank: "*Capturing depositors' expectations with Google data*" ([presentation](#))

Lunchtime talk

Mr Vijay **Nair**, Past ISI President, Wells Fargo and University of Michigan, Ann Arbor, USA: "*Data Science: Some Perspectives*"

Session 3: "Financial, administrative and commercial datasets"

Chair: Mr Aurel **Schubert**, Director General, Statistics Department, European Central Bank, and Vice Chair, IFC Executive

Presenters:

- Mrs Beatriz **Velasquez**, Central Bank of Chile: "*Determinants of business demography in Chile over the 2010 – 2015 period*" ([presentation](#))
- Ms Kumala **Kristiawardani** and Mr Irfan **Sampe**, Bank Indonesia: "*Using Online Property Advertisements Data as a Proxy for Property Market Indicators*" ([presentation](#))
- Mr Luís **Teles Dias**, Bank of Portugal: "*Integrated management of credit data – Turning threats into opportunities*" ([presentation](#))

Session 4: "Central Bank Communication"

Chair: Mr **Toh** Hock Chai, Director, Statistical Services Department, Central Bank of Malaysia, and IFC Executive

Presenters:

- Mr Christian **Dembiermont**, Bank for International Settlements: "*Finding similar words in Big Data – Text mining approach of semantic similar words in the Federal Reserve Board members' speeches*" ([presentation](#))
- Mr Stefano **Nardelli**, European Central Bank: "*Between Hawks and Doves: Measuring Central Bank Communication*" ([presentation](#))
- Mr Giuseppe **Bruno**, Bank of Italy: "*Central Bank Communications: Information extraction and semantic analysis*" ([presentation](#))

Panel discussion: Issues on Big Data Governance – Big Data work in Central Banks, HR and IT issues

Chair: Mrs Katherine **Hennings**, Senior Advisor, Central Bank of Brazil, and Vice Chair, IFC Executive

Panellists:

- Mr Edi **Susianto**, Bank Indonesia, Director, Statistics Department
- Mr Pedro **Silva**, President ISI – International Statistical Institute ([presentation](#))
- Ms Anne **Leslie-Bini**, Director, Financial Services, BearingPoint / Central Banking ([presentation](#))
- Mr Rhys **Mendes**, Chief, Economic and Financial Research, Bank of Canada ([presentation](#))

Concluding Remarks

Mrs Katherine **Hennings**, Senior Advisor, Central Bank of Brazil, and Vice Chair, IFC Executive