

FINANCIAL SOLUTIONS WITH LARGE DATASETS: “BIG DATA” METHODS, LESSONS AND CHALLENGES

December 7th, 2015 | 2:00-6:00 p.m.
Inter-American Development Bank, Andres Bello 4/5 | 1300 New York Ave., N.W., Washington, D.C.

- 2:00 – 3:00** **Introduction:**
- Opening Remarks**
- Ana María Rodríguez**, Manager, Institutions for Development, IDB
Juan Antonio Ketterer, Division Chief, Capital Markets and Financial Institutions, IDB
- Two Introductions to Big Data and its Potential**
- Diego Molano**, Former Colombian Minister of Information Technologies & Communications
Kalev Leetaru, George Washington University and Google Cloud Platform
- 3:00 – 3:15** **Questions and general discussion**
- 3:15 – 4:00** **Big Data in Financial Services**
- “Data Science, Economics and Financial Services”**
Jose García Montalvo, Universitat Pompeu Fabra, IVIE and Barcelona GSE
- 4:00 – 4:15** **Questions and general discussion**
- 4:15 – 4:45** **Coffee break**
- 4:45 – 5:45** **Applications**
- “Consumer Credit Risk Models via Machine-Learning Algorithms”**
Adlar Kim, Magnetar Capital and MIT Financial Engineering Lab
- “Weathering Volatility: Big Data on the Financial Ups and Downs of U.S. Individuals”**
Chris Wheat, Director of Business Research, JP Morgan Institute (TBC)
- 5:45 – 6:00** **Questions and general discussion**

Diego Molano is a former Minister of Colombia in charge of Information Technologies & Communications. In 2010, he created the "Plan Vive Digital", a national technology plan recently portrayed as an example at the World Economic Forum in Davos, and which earned Colombia the 2012 GSMA Government Leadership Award for being the country with the best public policies in technology around the globe. He is a frequent speaker at major international ICT events that includes The Mobile World Congress (MWC), The World Economic Forum (WEF) and The Inter-American Telecommunication Commission (CITEL). He has held executive positions in multinationals such as Ascom, BellSouth, and Telefónica, where he was responsible for the operation in areas of corporate relations, regulation and wholesale businesses in more than 20 countries around the world.

Kalev H. Leetaru is one of Foreign Policy Magazine's Top 100 Global Thinkers of 2013 and a 2015-2016 Google Developer Expert for Google Cloud Platform. Kalev H. Leetaru is a Senior Fellow at the George Washington University Center for Cyber & Homeland Security. From 2013-2014 he was the Yahoo! Fellow in Residence of International Values, Communications Technology & the Global Internet and in 2014 was an Adjunct Assistant Professor in the Edmund A. Walsh School of Foreign Service at Georgetown University. From 2014-2015 he was a Council Member of the World Economic Forum's Global Agenda Council on the Future of Government. Mr. Leetaru has been at the forefront of reimagining how we understand our world through some of the largest datasets and computing platforms on the planet. His landmark studies have profoundly reshaped the way we use data in the study of human society and even redefined what "big data" is, leading Der Spiegel to call him "one of the superstars of the new discipline".

José García Montalvo is Professor of economics at Universitat Pompeu Fabra (UPF) and affiliated professor of the Barcelona Graduate School of Economics (BGSE). He was the Chair of the UPF Department of Economics and Business from 2007-2010 and a visiting professor of economics at Harvard University from 1995 to 1996. His research has appeared in top academic journals such as the *American Economic Review* and the *Journal of Development Economics*. He has served as a consultant to the World Bank, the European Union, the OCDE, and the IDB. Professor García Montalvo holds a degree in Economics from Universidad de Valencia and a PHD in economics from Harvard University.

Adlar Kim is a Quantitative Strategist at Magnetar Capital and an affiliated researcher at the Laboratory for Financial Engineering (LFE) in the Sloan School of Management at MIT. Previously, he was a Postdoctoral Associate at the Laboratory for Financial Engineering (LFE). His research has appeared in top academic journals such as the *Journal of Banking and Finance* and the *Journal of Marketing Research*. Adlar holds a PhD in Computer Science from MIT, where he was a member of Center for Biological and Computational Learning (CBCL), Computer Science and Artificial Intelligence Laboratory (CSAIL), and the LFE.

Chris Wheat is the Director of Business Research for the JPMorgan Chase Institute. He previously was an Assistant Professor at the MIT Sloan School of Management and at the Center for Urban Entrepreneurship and Economic Development at Rutgers Business School. As a faculty member, he taught and researched topics in strategy, entrepreneurship, global microfinance, economic sociology, and social network analysis. Chris earned a B.S.E. in Mechanical & Aerospace Engineering from Princeton University, an M.S. in Computer Science from Stanford University, an M.A. in Sociology from Harvard University, and a Ph.D. in Organizational Behavior from Harvard University.