



**“Open Source to Accelerate Climate-Integrated Investing”  
Order of Speakers for OS-Climate Webinar  
& Timestamps for Segments in the Recording**

**April 17<sup>th</sup>, 2020**

**(0:00:00 – 0:11:35) Truman Semans**, CEO of OS-Climate, introduces the webinar's purpose, summarizes what speakers will cover, and provides an overview of LF Climate Finance and OS-Climate.

**(0:11:35 – 0:22:25) Robert Litterman** is the Chairman of the Risk Committee at Kepos Capital who during a 23-year career at Goldman Sachs headed of the firm-wide risk function. Bob co-developed and open sourced the Black-Litterman Global Asset Allocation Model, a key tool in investment management. OS-Climate Planning Team member **Hewson Baltzell** interviews Bob on his experience with some early steps in the Wall Strategy community on open collaboration, and also on insights he has as Chair of the crucially important subcommittee on Market Related Climate Risk of the Commodity Futures Trade Commission.

**(0:22:25 – 0:34:45) Rene Ramos** is in a newly created role of Climate Risk Executive at JPMorgan Chase, charged with developing the risk framework for the firm's approach to managing climate-related risk. He shares his knowledge of needs for data and analytics across the financial sector, and barriers that open data and open source initiatives can help to address.

**(0:34:45 – 0:50:40) Michael Tiemann** is one of the world's foremost experts on open source, having founded the first company to provide commercial support for open source software, and being acquired by Red Hat, served as Red Hat's chief technical officer. Red Hat was acquired by IBM in 2018 in the largest deal ever in IBM's history. Michael informs the audience on a range of topics including how open source works, the power of what it can achieve across many fields, how it drives innovation and helps competitors collaborate, etc.

**(0:50:40 – 0:54:35) Ton van Welie** is the CEO Ortec Finance and an Econometrician who has grown Ortec Finance into one of the world's leading providers of financial technology for risk/return management by pension funds, insurance companies, asset managers etc. He talks about the needs he sees across these financial institutions related to climate, about how the company first thought about making their intellectual property open source, and why it decided to lead the way in building OS-Climate with a major IP contribution.

**(0:54:35 – 1:02:15) Lisa Eichler** is Co-head Climate & ESG Solutions at Ortec Finance and has worked with numerous European Union institutions, national governments and international



organizations sustainability scientific research and economic/financial assessment. She also has been an invaluable core member of the OS-Climate Planning Team. She demonstrates the intellectual property Ortec Finance is contributing to the OS-C platform and the work Ortec Finance will do in establishing the open source technology architecture for the OS-Climate Community.

**(1:02:15 – 1:09:20) Dr. Julie Pullen** is Director of Product at Jupiter Intelligence, which delivers hyper-local predictions of weather, water and climate impacts using cloud computing. She has served on National Academy of Science panels for climate and is an adjunct research scientist at Columbia’s Lamont-Doherty Earth Observatory. Julie describes Jupiter Intelligence’s open source contribution to LF Climate Finance and discusses why the company decided to participate in building OS-Climate.

**(1:09:20 – 1:15:30) Josh Green** co-founded Panjiva, a leader in supply chain data and analytics that was acquired in 2018 by S&P Global, and he serves on the senior leadership team of SPGI’s data and analytics division. Josh will discuss how S&P Global and Panjiva think about open source, how Panjiva has made use of open data, the widespread problem of “stranded data,” and how open source approaches can help solve the problem.

**(1:15:30 – 1:22:00) Dr. Ekaterina Gratcheva** is Lead Financial Officer in the Finance, Competitiveness, and Innovation (FCI) Global Practice at the World Bank. She has led policy dialogues with ministries of finance, central banks, public pension funds and international financial institutions on a range of issues. Katya talks about the Bank’s crucial role as one of the largest providers of open data on finance globally, and about keys for success in open data and open source initiatives if they are to benefit emerging market countries.

**(1:22:00 – 1:28:15) Dr. Ana Pinheiro Privette** is the program lead for the Amazon Sustainability Data Initiative (ASDI), and she also has been instrumental in other groundbreaking open source initiatives, including at the White House on the Obama Climate Data Initiative (CDI). Ana describes ASDI and the many ways it is supporting open data and open source initiatives and companies globally.

**(1:28:15 – 1:30:40) Hewson Baltzell**, OS-Climate Planning Team member, President of Helios Exchange, and co-founder of MSCI ESG Research, co-founder of MSCI ESG Research, summarizes the webinar presentations.

**(1:30:40 – 1:56:36) Questions and Answers.** Panel speaker are joined by **Scott Nicholas**, Senior Director for Strategic Initiatives at the Linux Foundation, and **Gary Rahl**, a member of OS-Climate’s Board of Directors and Managing Director at Deloitte.