Conference Programme

Big Data and AI for Sustainable Investing

from **Biodiversity Risks** to **Sustainable Gold**

2nd of November 2022
Careum Auditorium, Pestalozzistrasse 11, 8032 Zürich

Part of the Networking Event Series "Sustainable Finance Technology", organised by ZHAW School of Management and Law, Swiss Sustainable Finance and supported by Innosuisse.

Time	Content
8:00 – 8:30	Registration
8:30 – 8:45	Welcome by **Dr. Tomasz Orpiszewski** (ZHAW) and **Sabine Döbeli** (SSF)
8:45 – 9:00	Keynote Speech: Measuring the state of nature by **Dr. Oliver Schelske**, Natural Assets & ESG Research Lead, Swiss Re Management Ltd
9:00 – 10:30 15 min Presentations with Q&A	1st thematic block: **Biodiversity - Quantifying Biodiversity Risk for Investors and Companies** Session Chair: Amandine Favier - Biodiversity risk - the ENCORE tool (**Romie Goedicke**, Technical and Project Manager Nature, UNEP FI) - Earth Knowledge's System of Systems Approach: Achieving Success with Nature Positive Investments (**Julia Armstrong D'Agnese**, CEO and **Dr. Frank A. D'Agnese**, President/CTO, Earth Knowledge) - Considering the wider vision for biodiversity insight (**David J Patterson**, Head of Conservation Intelligence, WWF-Sight) - Geospatial intelligence for biodiversity monitoring (**Frank de Morsier**, COO at Picterra)
10:30 – 11:00	Coffee break
11:00 – 12:30 15 min Presentations with Q&A	2nd thematic block: **Biodiversity - Impacts and Deforestation when searching for Sustainable Gold** Session Chair: Prof. Dr. Peter Schwendner - Increase collaboration to achieve sustainability (**Sabrina Karib**, Founder of Precious Metals Impact Forum) - Blockchain-based Digital Transformation of the Gold Industry empowers ESG and Transparency for Sustainable Investments (**Urs Röösli**, CEO, aXedras AG) - The Integrated Biodiversity Assessment Tool – understanding biodiversity risk when investing in mining (**Ben Jobson**, Programme Officer, IBAT) - Spatial sustainable finance – Tracking biodiversity and water risks (**Prof. Dr. Alexander Damm-Reiser**, Professor Remote Sensing of Water Systems, University Zürich and **Prof. Dr. Patrick Laube**, ZHAW Geoinformatics)
12:30 – 14:00	Lunch

14:00 – 15:30 15 min Presentations with Q&A	**3rd thematic block: Sustainable Investing - Applying Novel ESG Data to Investment Practices** Session Chair: Dr. Hendrik Kimmerle - How do stocks react to ESG Incidents? (**Dr. Tomasz Orpiszewski**, Senior Lecturer, ZHAW) - Spatial Science and Machine Learning for Identifying High-Impact Companies (**Dr. Mark Thompson**, Senior Researcher, ZHAW) - A machine learning based anatomy of firm-level climate risk exposure (**Dr. Tingyu Yu**, Universität Zürich - Who is the Green Investor? Demand for Green Bonds in the Primary Market (**Prof. Martin Hillebrand**, Professor for Quantitative Methods, XU Exponential University) - Big Data for Assessing Corporate Green Innovation (**David Jaggi**, Researcher, ZHAW)
15:30 – 16:00	Coffee break
16:00 – 16:45	**Panel Discussion: The role of finance to protect natural resources** Session Chair: Sabine Döbeli - Speaker 1: Eva Heijkants, Client Relations, Sustainalytics - Speaker 2: Morgan Williams, SI Data Strategist, Robeco - Speaker 3: Judson Berkey, MD, Group Head Engagement and Regulatory Strategy, UBS / Member Taskforce, TNFD
16:45 – 17:00	Wrap-up and Outlook on Workshops and Innosuisse projects
17:00 – 18:00	Apéro