2nd Workshop on Environmental Finance for the Common Good

DIVERSITY CHALLENGES FOR A SUSTAINABLE FINTECH

PAVIA, 13-14 APRIL 2023

Special session: FinTech for the energy sector

The last fifteen years have witnessed a surge and widespread adoption of new technologies and practices in the financial ecosystem. Machine learning algorithms, online trading platforms and digital financial advisors are becoming more popular and gradually replacing traditional analytical tools, market designs and investment consulting services. FinTech inventions are also revolutionizing the energy sector offering more transparency in market operations, aiding the participation of market players and enhancing the traceability of the energy generation stream. Nowadays energy producers and consumers are asked to transact through electronic auction systems having the ability to increase price competition while maintaining technical reliability. In parallel, digital renewable energy certificates help consumers measure the environmental footprint of their purchased energy by identifying the generating technology and the exact location/time it was produced.

The purpose of this special session is to present contemporary and beyond-the-state-of-the-art FinTech paradigms in the energy sector. We invite contributions on the following tentative list of topics:
· Financial decision-support tools for the energy sector
· Blockchain applications and new auction designs
· New technologies for market monitoring and transparency control
· Renewable energy certificates and financial instruments for managing environmental and market risks

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