IRP 10: Individual Research Project

Topic

Experimenting with Green AI to reduce processing time and contributes to creating a low-carbon economy

Involvement

- IRP belongs to WP5 (Sustainability of digital finance)
- WP Leader: UNA (Naples)
- Two supervisors from secondments: SWE, and ARC

Objectives

Green AI supports the use of resources more efficiently and conserves them for future generations. This research objective focuses on **experimenting with green AI concepts in multiple applications in finance**, analysing economical and practical impact of its deployment in industry. It facilitates the **exchange of innovative ideas and cooperation opportunities** in the field of Environmental, Social, and Governance (ESG), Sustainable Finance, and ESG Technology.

Deliverables

The project aims **at providing reports about pricing and risk management of green financial instruments** across all asset classes, with a focus on new products development, model validation, model risk management, funding and counterparty risk, fair and prudent valuation, applications. It aims at **focusing on financial inclusion and inequality**.

TIMELINE   IRP 10

University of Naples Federico II

M21

M9

DC starts

M39

Swedbank

Policies for asset, sustainable fund management

DC ends

M45

Athena Research Center

Applied industry-research, using large-scale computing infrastructure to implement the theory

DIGITAL