

IOSCO Publications Database for European Central Counterparties (CCPs)

Project Description

This project entails developing a code that downloads, compiles, and converts the IOSCO publications of most of the active Central Counterparties (CCPs) in Europe into a comprehensive database. Of the 14 CCPs authorized to offer services and activities in the European Union, 11 are included.

They are:

BOE Clear, KDPW, Eurex AG, LCH, European Commodity Clearing, SKDD, ICE Clear, OMIClear, BME Clearing and CCP Austria.

The CCPs yet to be implemented are Keler CCP, Athex Clearing House and Nasdaq OMX Clearing.

Project Structure

- **Code:** Contains all the scripts used in the project.
- **Database:** Stores the compiled datasets for each CCP and the final IOSCO database.
- **Raw Data:** Folder containing all the downloaded files.
- **Additional Info:** Contains supplementary information such as the variables reported by each CCP and the quarters for which the data is available.

Instructions

1. **Adjust the Path:** Ensure you change the path to match your system configuration.
2. **Run the Web Scraper:** Execute the web scraping script.

3. **Run the Compilation Scripts:** Either run all compilation scripts individually or use the script that executes all CCP-specific scripts simultaneously.
4. **Run the Database Compiler Preconversion:** Execute the preconversion database compiler script.
5. **Run the Conversion Script:** Execute the conversion script to convert currencies to Euros. Note that the conversion rates are hardcoded as of July 5, 2024.

Explanation of Variables

- **ReportDate:** Extracted from the source, indicating the publication date.
- **CCP:** Hardcoded identifier for each CCP.
- **Clearing Service:** The variable “ReportLevelIdentifier” identifies different clearing services within the CCP.
- **DefaultFund:** Derived from the “Clearing Service” variable. CCPs either have a single default fund that covers their entire portfolio or several ones. If unsure the DefaultFund is set as CCP_”ClearingService”.
- **Currency:** The currency code indicating the denomination of the value.