# Data Distribution

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## Classifications and Ways to Access

| CGS Data Feeds | • Database Services<br>• Identifier Solution Services<br>• Portfolio Services<br>• Segment Services |
|---|---|
| Web Services | • CGS CUSIP Access<br>• CGS Municipal Issuer Access<br>• API Web Services |
| Other Services and Offerings | • Credit derivative entity ID's for Markit's RED service<br>• CUSIP Certification Program<br>• LEI Certification Program |

# Data Distribution

## CGS Data Feeds

| CGS Database Services | • CUSIP/ISIN/CINS Master Files<br>• Legal Entity Identification (LEI Plus)<br>• Mortgage-backed and TBA Services<br>• Private Placement for Insurance Industry (PPNs) |
|---|---|
| Identifier Solution Services | • Linkage of related securities from same private placement (144A)<br>• Linkage of related base-6 CUSIPs (Associated Issuers)<br>• CABRE-Related Instrument Bundle (CRIB)<br>• Three types of ISIN-CUSIP-CINS linkage files |
| Segment Services | • Listed Options, Single Stock Futures and Options on Futures<br>• Syndicated Loans<br>• Physical precious metals<br>• Digital Securities<br>• ISS ESG |

**CUSIP GLOBAL SERVICES**
Experience • Process
Technology • Innovation

# Data Distribution

## Focusing the Spotlight on…



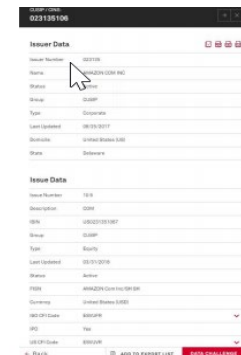| CUSIP Pulse | • CUSIP files pushed every 15 minutes<br>• Enhanced version of old New Issue Alert<br>• Near real-time data for asset setup and updates (e.g. corporate actions, withdrawn and suspended issues) |
| --- | --- |
| CUSIP/CINS/ISIN Linkage Comparison | • CUSIP Master with ISIN (11mm US and Canadian instruments)<br>• CINS Master with ISIN (6mm globally traded instruments)<br>• Global ISIN Data "INC" File (Driven by ISINs supplied by 120 Global NNAs) |
| Associated Issuers | • Links related issuer names in the CUSIP database<br>• Issuers with multiple base numbers (e.g. NYS Dorm Authority)<br>• Issuers related via historical corporate actions |

# Data Distribution

## Web and Portfolio Services



| | |
|---|---|
| **CGS CUSIP Access** | • Direct access to the full CGS database<br>• Updated in near-real time, every 5 minutes<br>• Ability to pull data directly from CGS database into an Excel workbook with the Access Excel Add-In.<br>• Streamlined search capabilities utilizing the One-Box Search |
| **CGS Municipal Issuer Access** | • Facilitates disclosure reporting under Rule 15c2-12<br>• Updated in near-real time, every 5 minutes<br>• View, print or download all securities for a given municipality or related authority |
| **Portfolio Services** | • Upload up to 100,000 CUSIP/CINS/ISINs for validation/data retrieval<br>• Easy Browse/Upload interface using Excel files<br>• Provides data enrichment and identifier verification<br>• Helps maintain accurate security master files |

# New: Redesigned CUSIP ACCESS Platform

## Redesigned Platform

## New Functionalities
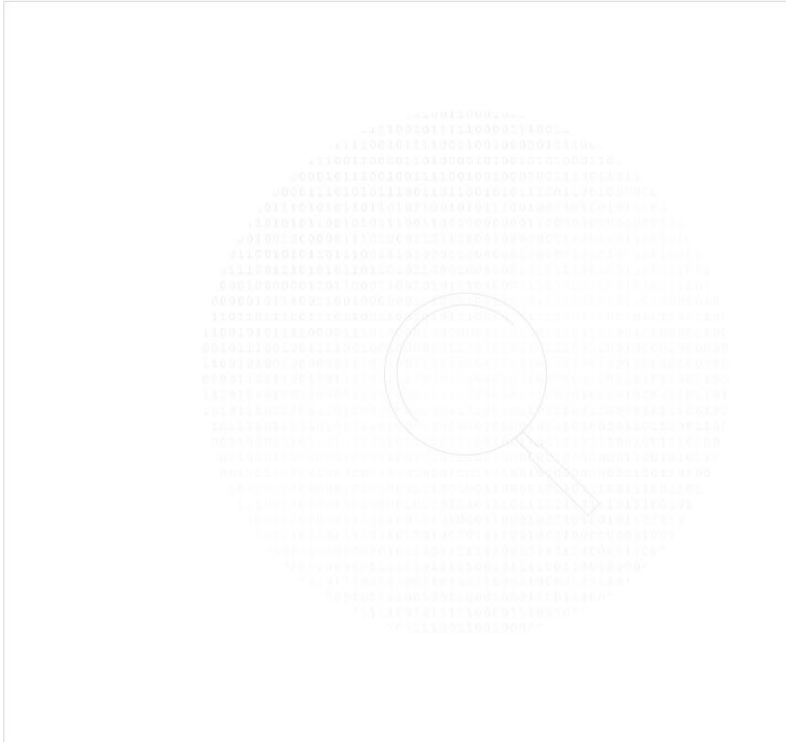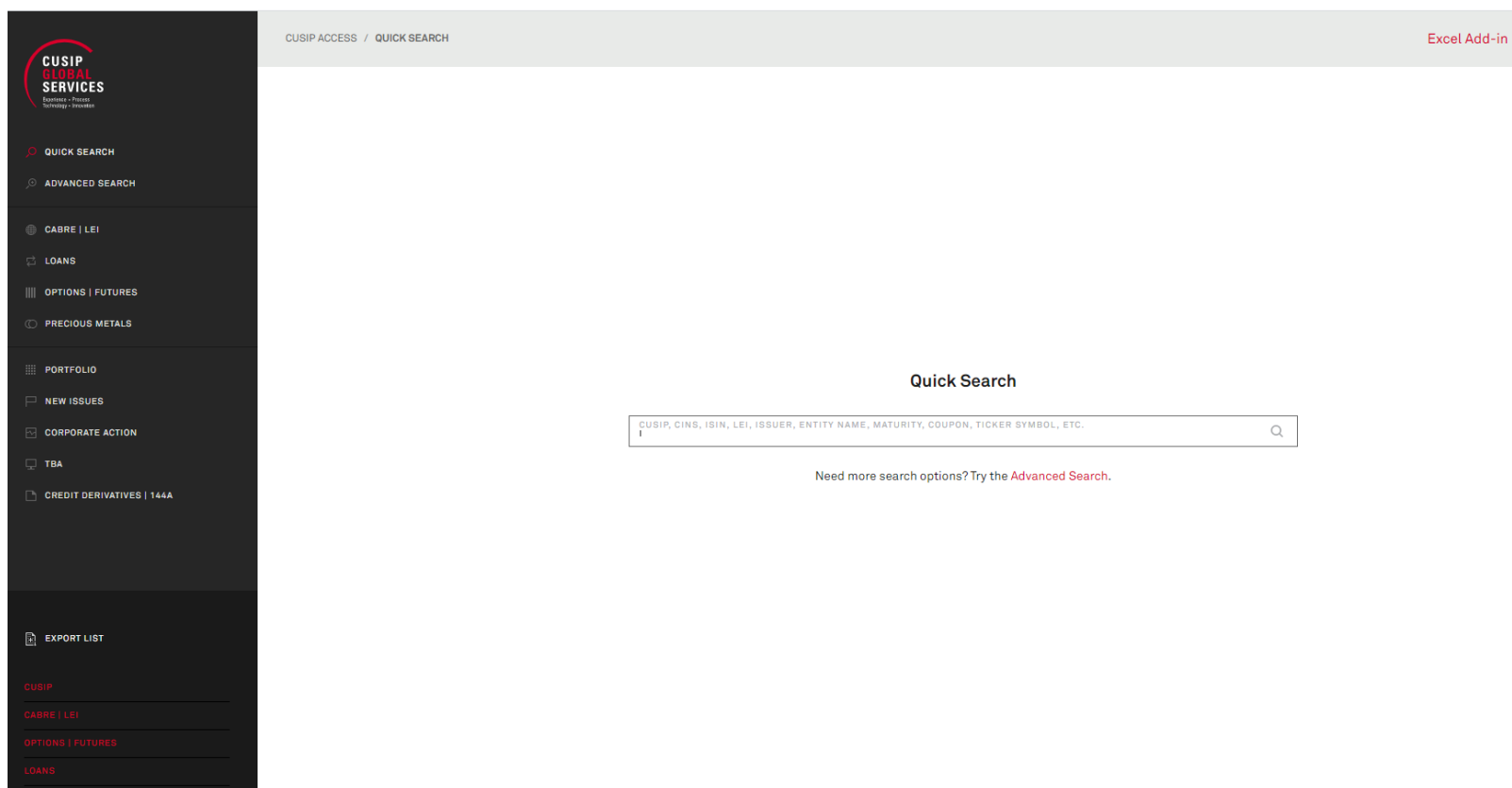
# New: Redesigned CUSIP ACCESS Platform
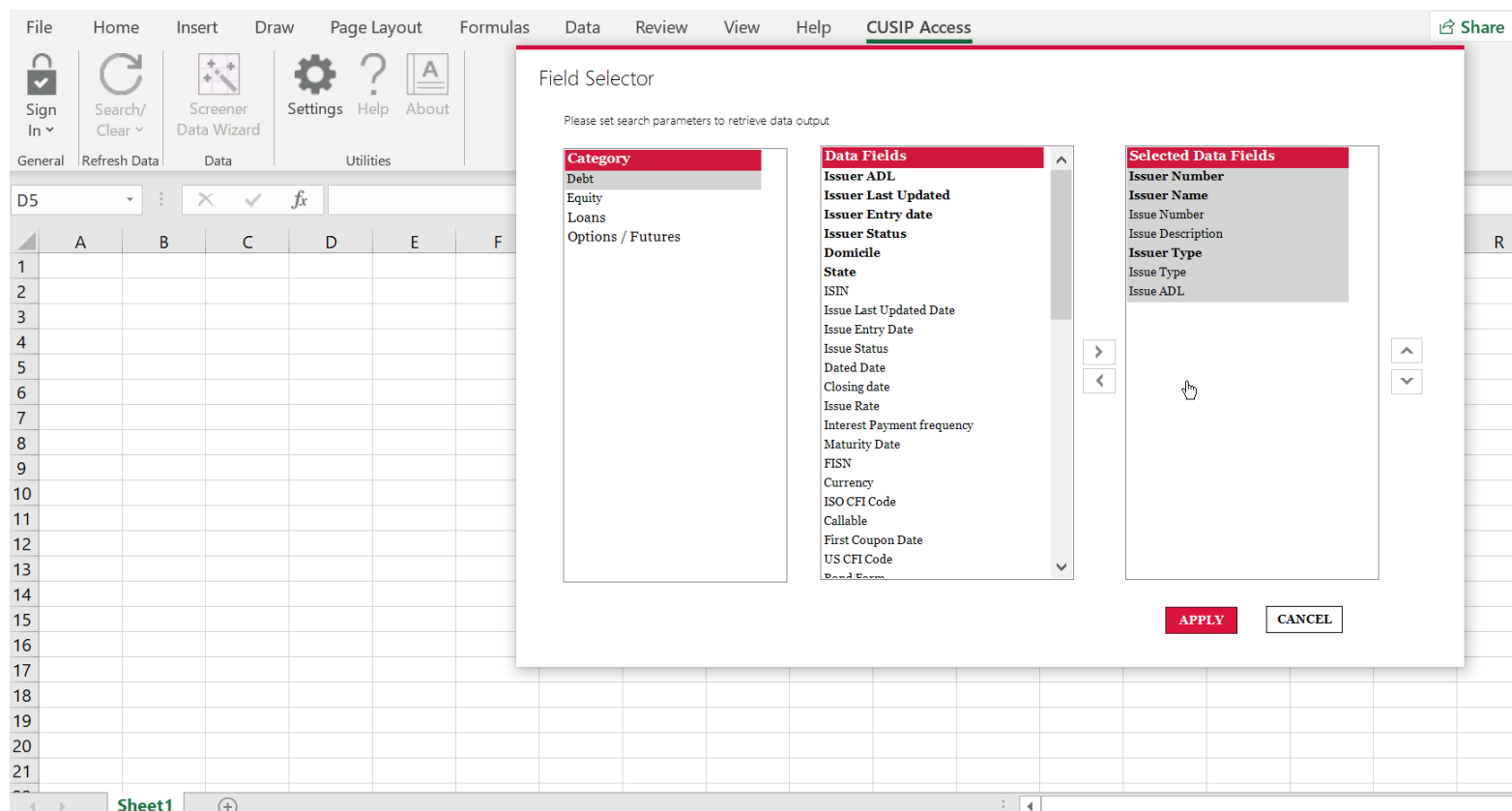
## New Functionalities

- **One Box Search (Quick Search)**

# New: Redesigned CUSIP ACCESS Platform

## New Functionalities

- ## Access Excel Add – In

# New: CGS / ISS ESG Muni Quality Score

- CUSIP Global Services, in partnership with ISS ESG offers a CUSIP-GEOID mapping file that links CUSIP identifiers for municipal securities with regional data for the corresponding issuers.

- The file can be enhanced to include ISS ESG scores for unique insight into sustainability metrics for municipal issuers.

- Market participants can leverage these files to source local-level risk factors for the municipal exposures in their portfolio, such as climate risk or median income.

- Municipal CUSIPs are linked to ISS data via the GEOID hierarchy, unique geographic identifiers assigned by the U.S. Census Bureau to capture issuers at the state, county, city and school district levels.

# New: CGS / ISS ESG Muni Quality Score

## Features

**Two Files offered**

1. CGS/ISS data file (mapping file)
   — Links the first six characters of CUSIP municipal identifiers to the GEOID hierarchy for the issuer
   — Maps the state, county, city and census tract-level socioeconomic, climate risk, environmental and crime data to underlying municipal security issuer

2. CGS / ISSESG data file (mapping + ESG Scores)
   — Includes all the information provided in the CGS/ISS file, along with ISS's proprietary ESG scoring data, providing a direct link between the underlying municipal issuer and ESG exposure

   — ESG data includes:
      ESG scores for respective municipal issuer, updated every quarter
      Peer scoring: ESG scores for all other issuers in respective geographic categories (county, city, school district or state); includes bucket for municipalities with 10,000+ and 100,000+ in population.