**MINISTRY OF INDUSTRY, BUSINESS
AND FINANCIAL AFFAIRS**

11 May 2023
2023 - 6017
cetono

Annex - Data access needs

*a) What types of data, metadata, data governance documentation and other
information about data and how it is used can be useful to DSC's for the
purpose of monitoring and assessing compliance and for vetted research-
ers for conducting research related to systemic risks and mitigation
measures?*

Behavioral data:
- Account creation date
- Time spent logged in
- Logins data/time
- Clicks (articles, links, pictures, videos etc.) and with reference to
  content including platform categorization (tags etc.)
- Reactions (likes, shares, etc.) – tied to clicks and with reference to
  content including platform categorization (tags etc.)
- Time spent on individual items (articles, links, pictures, videos,
  etc.)
- Comments/posts (time/tags etc.)
- Group associations
- Followers/follows (or related concepts; friends etc.)
- Purchases (if applicable)
- Notifications (including user actions tied to notifications)

Demographic data (as defined by the platform). These can be explicit or
platform generated:
- Age
- Gender
- Civil status
- Sexual orientation
- Political orientation

Algorithmic data:
- Any commercial tags generated by the platform for individual users
  (e.g. interests)

- Content recommendation tags/categories generated by the platform for individual users
- Content recommendation generated for the platform for specific content (either content created on the platform, e.g. a post or tweet as well as content generated outside the platform, e.g. an article, video or similar).
- Content sanction actions (deletion, warnings, clarifications etc.) for specific content
- Engagement scores generated by the platform for individual users (if applicable)

Metadata:
- Device data at user level
- Referral flow data (data on entry – where is the user coming from, and exit – where is the user going to, from the platform)

b) What sort of analysis and research might DSC's and vetted researchers conduct for the purposes of monitoring and assessing compliance and conducting research related to systemic risks and mitigation measures?

- Descriptive analysis – measuring the magnitude of different variables
- Correlational analysis – testing how different variables (e.g. age and certain commercial tags) are associated
- Time series analysis – analyzing how different variables (or relations between variables evolve over time)
- Natural experiments – testing how different variables are causally affected by others through regression discontinuity analysis or staggered roll-out analysis.