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ITEM	Report of the Global Working Group on Big Data for Official Statistics

MALAYSIA'S FEEDBACK

DOSM has been dealing with a diversity of data sources for decades. However, new sources from Big Data provide an opportunity DOSM statisticians to deliver a more efficient and effective statistical service. DOSM realize that Big Data implementation through STATSBD A initiative will bring tremendous value to our current statistical systems. The STATSBD A project aims to enhance the Government's ability to make informed and evidence-based decisions as well as responding to the critical needs of the country's transformation agenda. Three main projects which covered structured and unstructured data embarked in STATSBD A initiatives.

Trade by Enterprise Characteristic (TEC) is the structured data project. The high volume of administrative data from Royal Malaysian Customs Department was integrated with MSBR which is maintained by DOSM. Micro-data linking of MSBR and trade database was to gain more data insights without initiating new survey. The integration was based on measurement of similarity between two text strings i.e. exporters and importers companies name in MSBR and trade database. In 2019, the TEC module will be extended further by integrating it with other economic data (from economic censuses or surveys)

For the unstructured data project, Price Intelligence (PI) was carried out by adopting web scraping techniques through price data crawling from the identified websites. PI is a modernization of price data collection tools in order to identify its potential use in statistical production process especially for Consumer Prices Index (CPI).

Public Maturity Assessment on Official Statistics (PMAOS) is another unstructured data project which provides DOSM with holistic and comprehensive insight of perception developed by media. Hence, the development gives the valuable reference for the DOSM to take the necessary action from perception and reaction made by publics.