

**Comments/Suggestions for Statistical Commission 50th Session
New York, March 2019**

4(e) Items for information: big data for official statistics

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2019-27- BigData- EE/page 3/par 9	<p>9. The subsequent sessions at the Open Day demonstrated use of new data sources and new technologies for official statistics, some of which has been using the platform for executing the projects.....by applying a deterministic model, which incorporates the results of satellite image processing and other data sources. Among others, DANE uses algorithms in Google Earth for preprocessing and processing satellite imagery to obtain the Vegetation Condition Index (VCI) and the Temperature Condition Index (TCI), which are needed to estimate crop yield.</p>	<p>It is necessary for innovation in improving the methodology for the measurement of crop yield. Last year, BPS – Statistics Indonesia successfully released a new figure of paddy production based on an objective measurement by making use of area sampling frame (ASF) in estimating harvested area. The frame was developed from paddy field data obtained from satellite image with high resolution. This year, we are also developing and implementing a crop-cutting survey using area frame for a better estimation of productivity (yield per hectare) of paddy.</p>
2019-27- BigData-EE	--	<ul style="list-style-type: none"> • It is important to provide a mechanism in what condition Big Data can replace the current available statistical activities in producing official statistics or just provide supporting information for the current official statistics. • The problem of accessibility to Big Data should be tackled. It is expected that UN can facilitate for NSOs in having access to Big Data sources