

## INTRODUCTION

The Government of Indonesia governs the disclosure of upstream oil and gas data by issuing Regulation No. 29 of 2017. Contractors have to propose permits to the government in order to disclose their data to investors. Although the Government meant to boost investment by issuing the new regulation, processes to get the permit can take some times.

## THEORY

In 2006, the Government of Indonesia issued Minister of Energy and Mineral Resources Regulation No. 27 ("Ministerial Regulation No.27/2006"). The regulation explains that Data are all facts, instructions, indications and information in the form of written, numerical (digital), images (analog) magnetic media, documents, rock samples, fluids and other forms obtained from the results of General Survey, Exploration and Oil and Gas Exploitation. On the graphic below is Classification Data divide by each term.

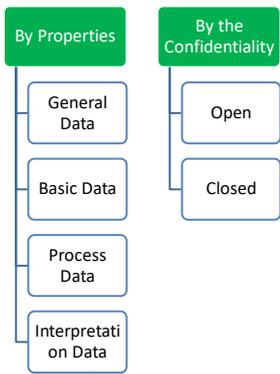


Figure 1 Data Classification

## REGULATIONS

In 2019, the Government of Indonesia issued Minister of Energy and Mineral Resources Regulation No. 7 ("Ministerial Regulation No.7/2019"). Those Ministerial is replacing the Ministerial Regulation No.27/2006. Some of the substance development in this new regulation is data availability, data access data openness, data processing and perspective on the data.

In the previous regulation, the data availability was only from exploration and exploitation activities. Exploration and exploitation activities can only be carried out by companies that have signed Cooperation Contracts with the Government of Indonesia. Meanwhile, this new one regulates data obtained from Data Exploration & Exploitation, General Survey of Business Entities, General Survey of National Budget (APBN), Joint Study Data, Commitment of Certain Work in Open Areas, Data Processing Activities.

Indonesia's Government absolutely owned of General Data, Basic Data, Processed Data, Interpretation Data that have passed the period of confidentiality. General and Basic Data can be accessed by anyone.

Whereas Processed Data and Interpretation Data can only be accessed through Membership. This membership can be obtained by registering as a member of the Indonesian Government through the Indonesian Government Information Data Center ("Pusdatin ESDM").

## RESULTS

Upstream oil and gas exploration and exploitation data are at the substance of every resource discovery and at the core of every hydrocarbon's field development. Accessing data that has already been acquired by previous contractors is a key to reducing risk in exploration and production, which are high risk, exploration in new play for long term activities. Being able to build on existing data better focuses future efforts towards identifying the sub-surface's image. Waiting on making a permit would delay the development of oil and gas field. With new investors, they will be able to explore new areas or new play in the production basin.

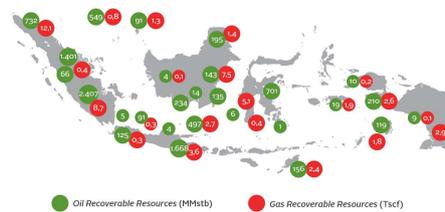


Figure 2 Indonesia Recoverable Resources

There was a new discovery in the South Sumatra Basin of ± 2 BCFG in 2019 after a European oil and gas company conducted exploration activities in Indonesia since the start of a new era of data utilization. In the same year, oil and gas companies from China also signed a Cooperation Contract with the Government of Indonesia. In an effort to improve the status of resources to become proven resources, a massive exploration drilling program is needed. Based on the results of geological and subsurface geophysics studies, Indonesia still holds potentials that are widely distributed from west to east.

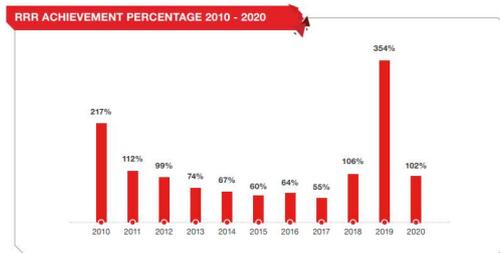


Figure 3 Replacement Reserve Ratio Achievement Percentage 2010 - 2020

Indonesia's Ministry of Energy and Mineral Resources issued the Ministerial Regulation No.7/2019 to make investor easier for accessing Data.

FORMER REGULATION
How to get the Data: Purchase
Data Availability: Exploration & Exploitation
Perspective : Government Revenue

NEW REGULATION
How to get the Data: Membership
Data Availability:
• Exploration (Open and Closed Data)
• Exploitation (Open and Closed Data)
• APBN Surveys (Open Data)
• Joint Study (Closed Data)
• Data Processing (Open Data)
• Firm Working Commitment in Open Area (Closed Data, become Open Data after 12 months)
Perspective : Encouraging Investments

Figure 4 Summary between old and new regulation about the Data disclosure

The new perspective of disclosed data right now is used as a media to encourage oil and gas exploration and exploitation activities to support the discovery of new reserves. SKK Migas as an institution that assigned by The State to manage upstream oil and gas business activities under a Cooperation Contract provide Data Room for investor who wants to see the general data about the upstream investment opportunity in Indonesia. The simple way to get chances is contact SKK Migas, sign a Confidentiality Letter and then visit GGR Café at SKK Migas Head Office to see Data Room.

## THE NEXT TRENDS

With the increasing awareness of the world community about reducing carbon in the atmosphere, the Government of Indonesia as one of the supporters of this idea is also actively participating in studies and research related to this in the future. In the not too distant future, if data from the upstream oil and gas industry is well integrated and has broad accessibility to industry players, it is hoped that this program will support this program.

This data is expected to be open to studies and research related to analytical data methods and artificial intelligence which are also current trends and will be widely used in various industries, especially those related to the fossil energy industry where the challenges ahead are not only how to explore and produce hydrocarbons. But also how to remove or reduce carbon in the atmosphere safely and economically, one of which is the CUS/CCUS method initiative. Where Indonesia has various types of basins, both in terms of geology and aspects of maturity. So that the opportunity to realize ideas is more open and extraordinary.

## CONCLUSIONS

The disclosing of upstream oil and gas data in Indonesia for farm in/out purposes is easier. Indonesia's Ministry of Energy and Mineral Resources issued Regulation No. 7 of 2019 about the Management and Utilization of Indonesian Oil and Gas Data in order to make investor knew faster and clear about the data that they need. State of Indonesia's Government absolutely owned of all Data, whereas can only be accessed through Membership. This membership can be obtained by registering Pusdatin ESDM. The simple way to access general data is visit Data Room at SKK Migas Head Office. More investors can access data more chances result in the developing oil and gas field. Integrated data can be used and open for investors to be accessed in carbon reduction.

## REFERENCES

- Indonesia's Ministry of Energy and Mineral Resources issued Regulation No. 27 of 2006 and No. 7 of 2019 about the Management and Utilization of Indonesian Oil and Gas Data.
- Lubiantara, B., 2012, Ekonomi Migas, PT Gramedia Widiasarana Indonesia: Jakarta, Indonesia.
- SKK Migas Annual Report 2018, 2019, 2020 2018, Jakarta, Indonesia