



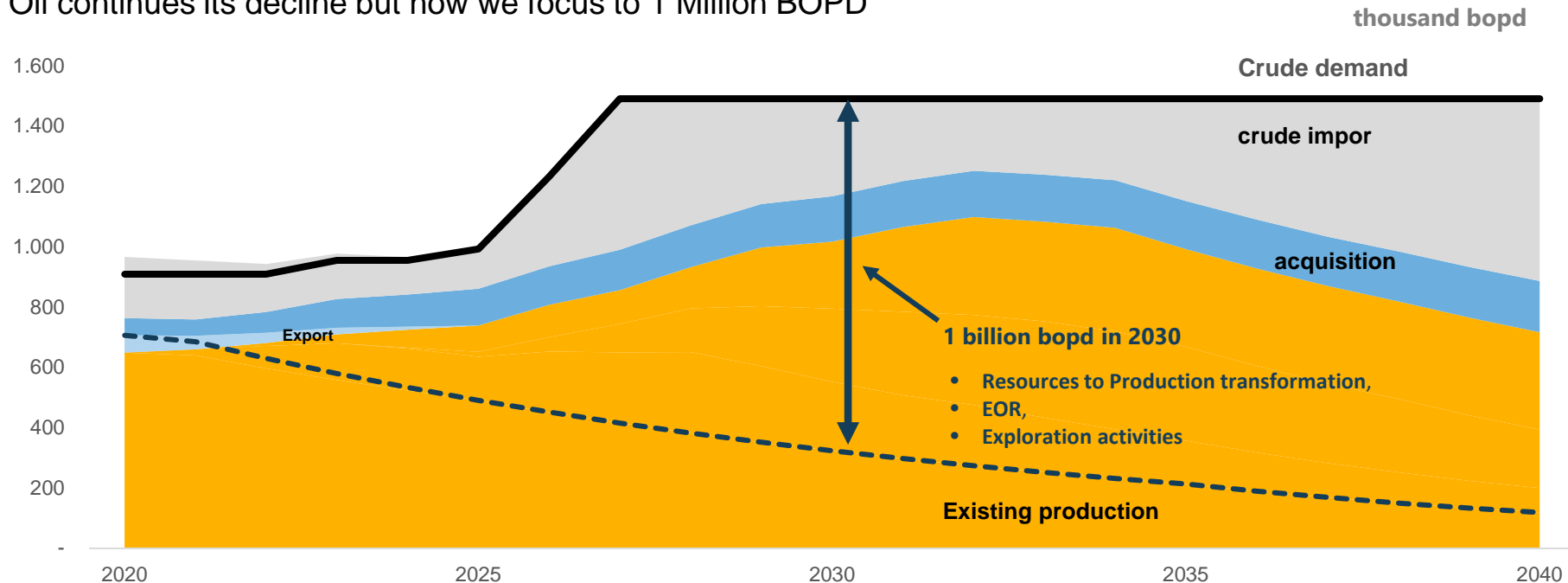
Directorate General of Oil and Gas  
Ministry of Energy and Mineral Resources  
Republic of Indonesia

# *Outlook and Challenges for the Oil Industry Standing at The Crossroads: Contributions and Strategies for a Sustainable Society*

The 39<sup>th</sup> JCCP International Symposium  
By Director General of Oil and Gas - MEMR

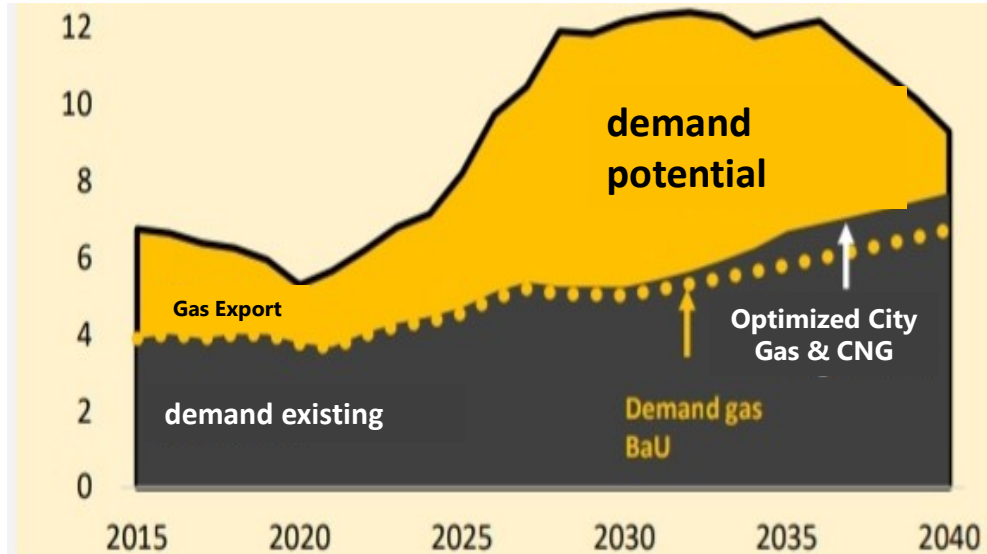
January 28, 2021

Oil continues its decline but now we focus to 1 Million BOPD



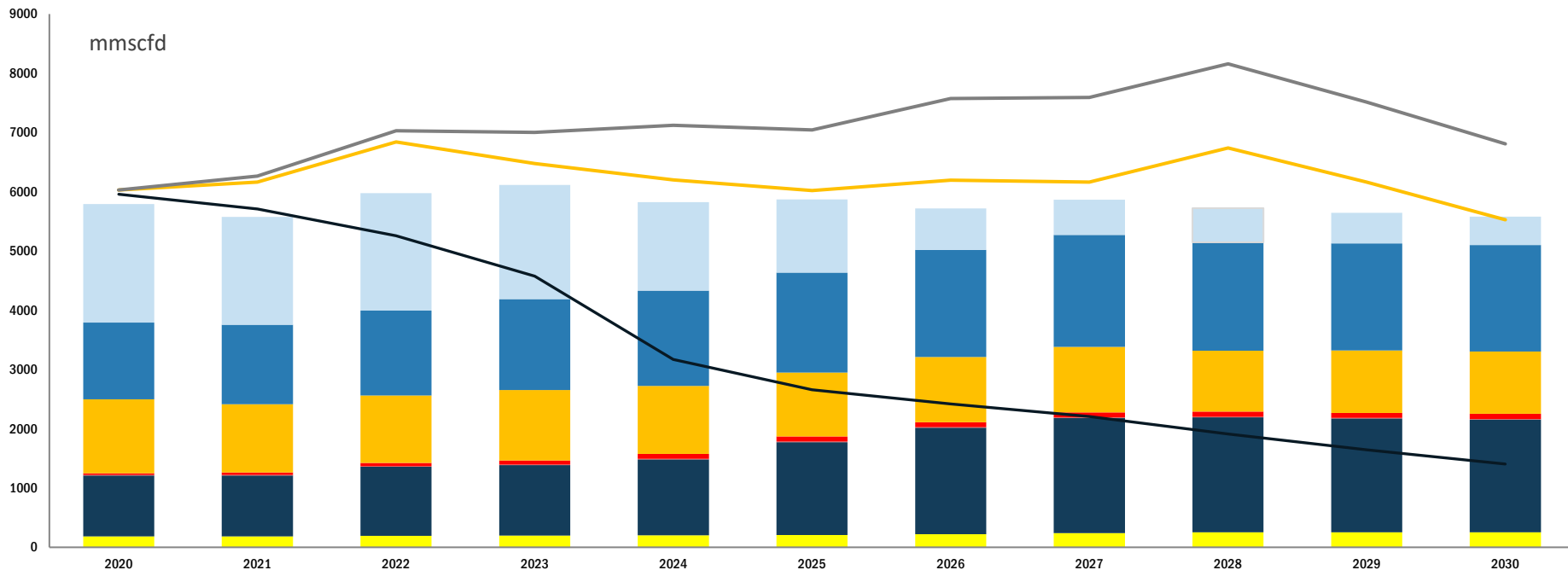
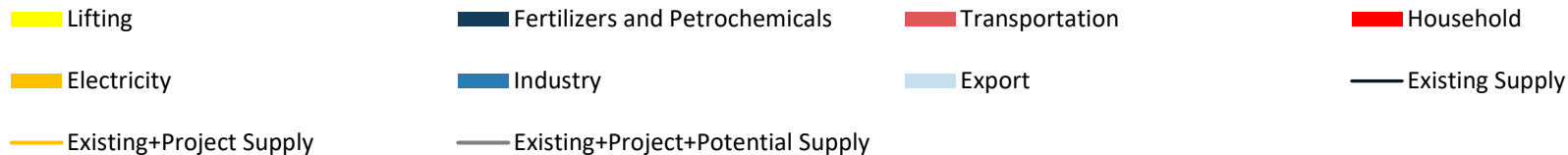
The strategy to Increase in production by 1 million bopd (BaU, R to P, EOR and Exploration) including **Work Routine Programme, Resources to Production transformation, EOR, increase in exploration activities, New Technology Application** and also **Procurement Process Simplification & Flexibility.**

Over supply gas. Focus for created demand.

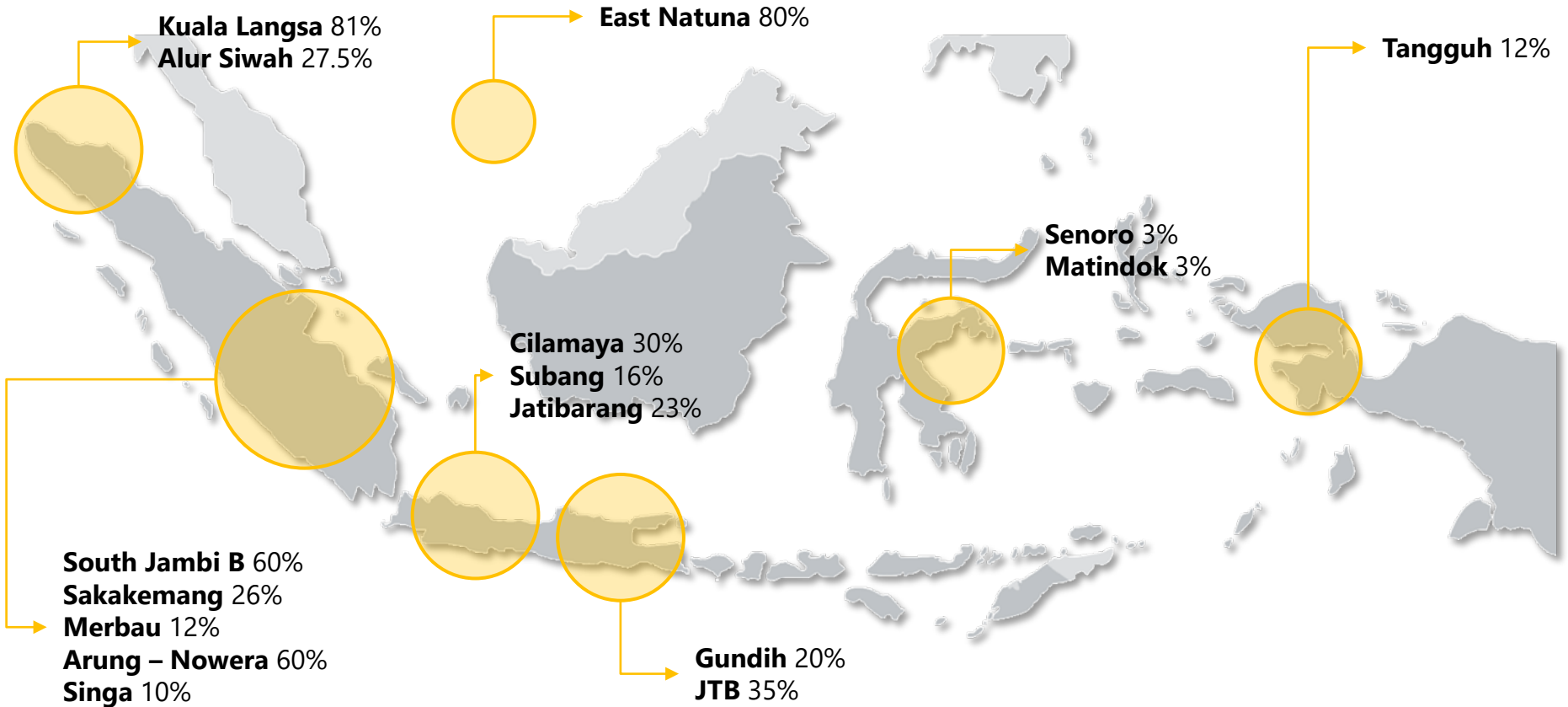


1. Improvement of domestic natural gas infrastructure,
2. Petrochemical development.

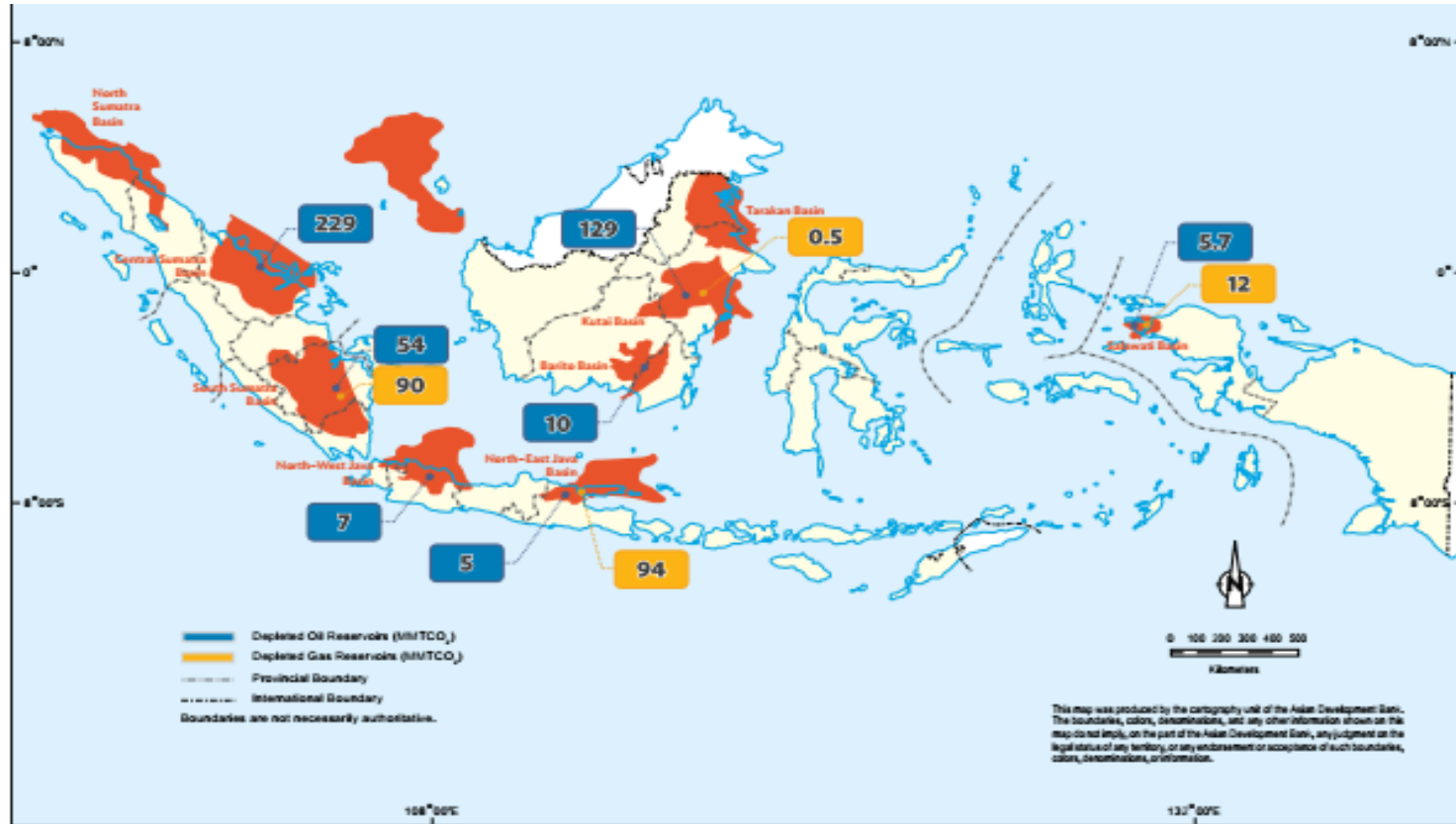
# Indonesia Gas Balance 2020 - 2030



# Indonesia CO2 Source Distribution



# CO2 Storage Capacity Distribution



MMTCO<sub>2</sub> = million metric ton of carbon dioxide.

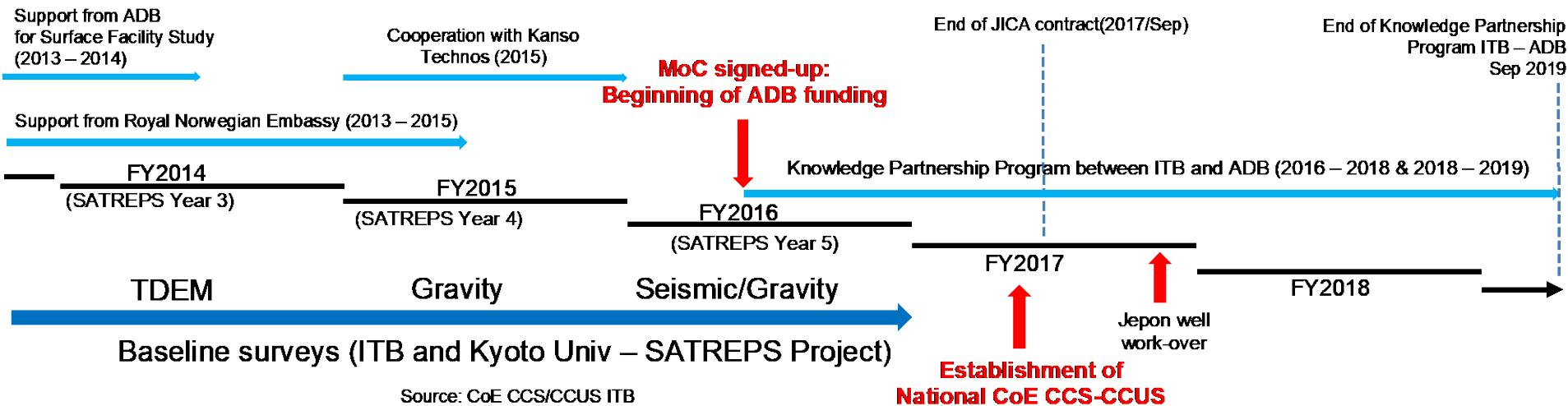
Source: LEMIGAS. 2018. *The Latest Status of CCS in Indonesia*. Jakarta. [http://www.ccop.or.th/ccsm/data/7/docs/Indonesia\\_LEMIGAS.pdf](http://www.ccop.or.th/ccsm/data/7/docs/Indonesia_LEMIGAS.pdf).

# Historical Gundih CCS Pilot Project (2012 – 2019)

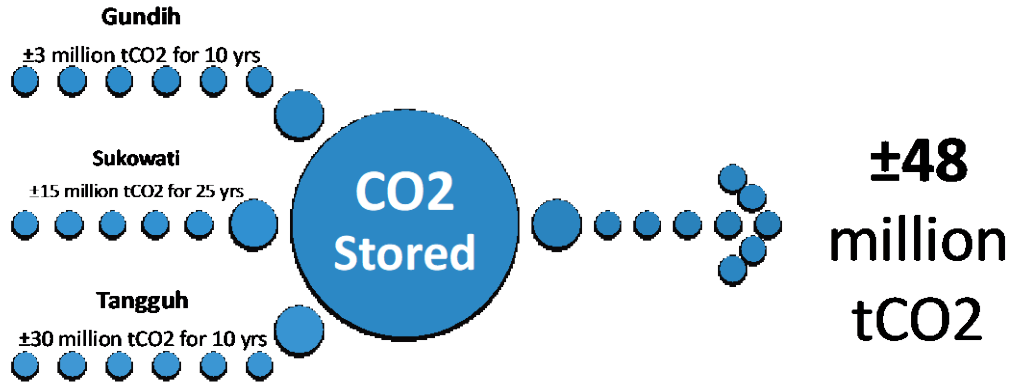


## Contributors:

**SATREPS project (2012-2017), ADB TA (2013 – 2014), Royal Norwegian Embassy (2013 – 2015), Kanso Technos (2015) and Knowledge Partnership Program ITB and ADB (2016 – 2019)**



Commitment of Gol to Reduce Green House Gas (GHG) Emission in COP 21 - Paris.



## CCUS Studies in Indonesia

1. **FS JCM CCUS/CO2-EGR Gundih** by CoE CCS/CCUS ITB, J-Power & JANUS (June 2020 – Feb 2021)
2. **CO2-EOR Sukowati Field** by Pertamina EP (CCUS Study Supported by Japex & CoE CCS/CCUS LEMIGAS)
3. **FS Tangguh CCUS/CO2-EGR** by BP Berau Ltd. & ITB (Sept - Dec 2020)
4. **CO2-EOR Limau Niru Field** by Japex & CoE CCS/CCUS LEMIGAS
5. **MRV Methodology for CCUS/CO2-EOR** by Japex & CoE CCS/CCUS LEMIGAS
6. **CO2 Source-Sink Match** by CoE CCS/CCUS ITB & JANUS



# Thank You