

# Better Data – Better Decisions

Joint Organisations Data Initiative:  
JODI Update, Status of APEC Region,  
and Looking Ahead

**Yui Torikata**

Energy Analyst, IEF

# Content

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- 1. JODI: Success Model of International Cooperation**
- 2. Status of APEC Region**
- 3. Looking ahead**

# Content

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- 1. JODI: Success Model of International Cooperation**
2. Status of APEC Region
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# Successful Model of International Cooperation Designed by Policy Makers

## Ministerial Inspiration since 2000

The **7th International Energy Forum** host and the co-host statement emphasised the importance of “**improving and timely accessing to energy data**” for “**market assessment and transparency**”.



# Successful Model of International Cooperation Designed by Policy Makers

## Tangible outcomes

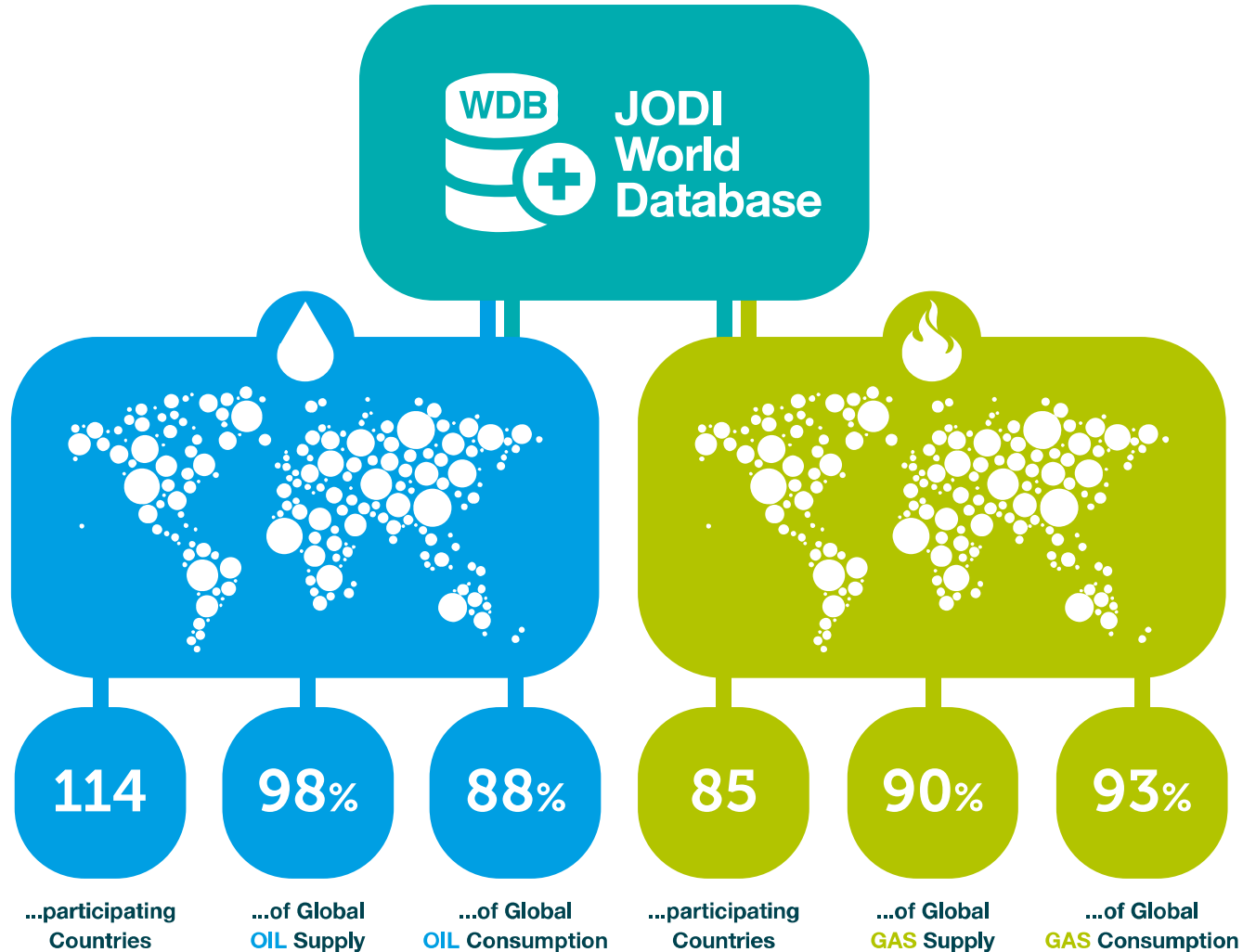


**JODI-Oil World Database Public Launch  
November 2005**



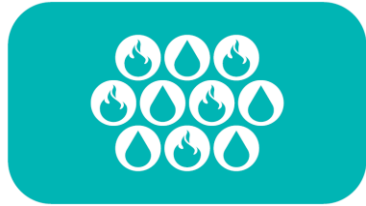
**JODI-Gas World Database Public Launch  
May 2011**

# Successful Model of International Cooperation Designed by Policy Makers



# Successful Model of International Cooperation Designed by Policy Makers

## Cooperation model across data chain



Hundreds of Energy Companies  
feed their data to...



... more than 100 national  
administrations which then submit  
their data to...



... the 7 JODI Partners who deliver  
their findings to...



... the International Energy Forum  
which consolidates their data...



... and populates the JODI WDB  
available at [www.jodidata.org](http://www.jodidata.org)



... which is used by a global audience,  
including market analysts, traders,  
investors, and government officials

# Successful Model of International Cooperation among 8 International Organisations

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**APEC, Eurostat, GECF, IEA, IEF, OLADE, OPEC and UNSD tirelessly work together to enhance global energy data transparency**

Some of their key functions are to:

1. Participate in collection of “monthly” energy data set by JODI Questionnaires.
2. Meet data reporting frequent deadlines set.
3. Assess reliability of data received from its national data sources.
4. Assess its member countries on their participation in JODI.
5. Participate in all decision making related to JODI and attend regular JODI events/activities.



# Successful Model of International Cooperation among 8 International Organisations

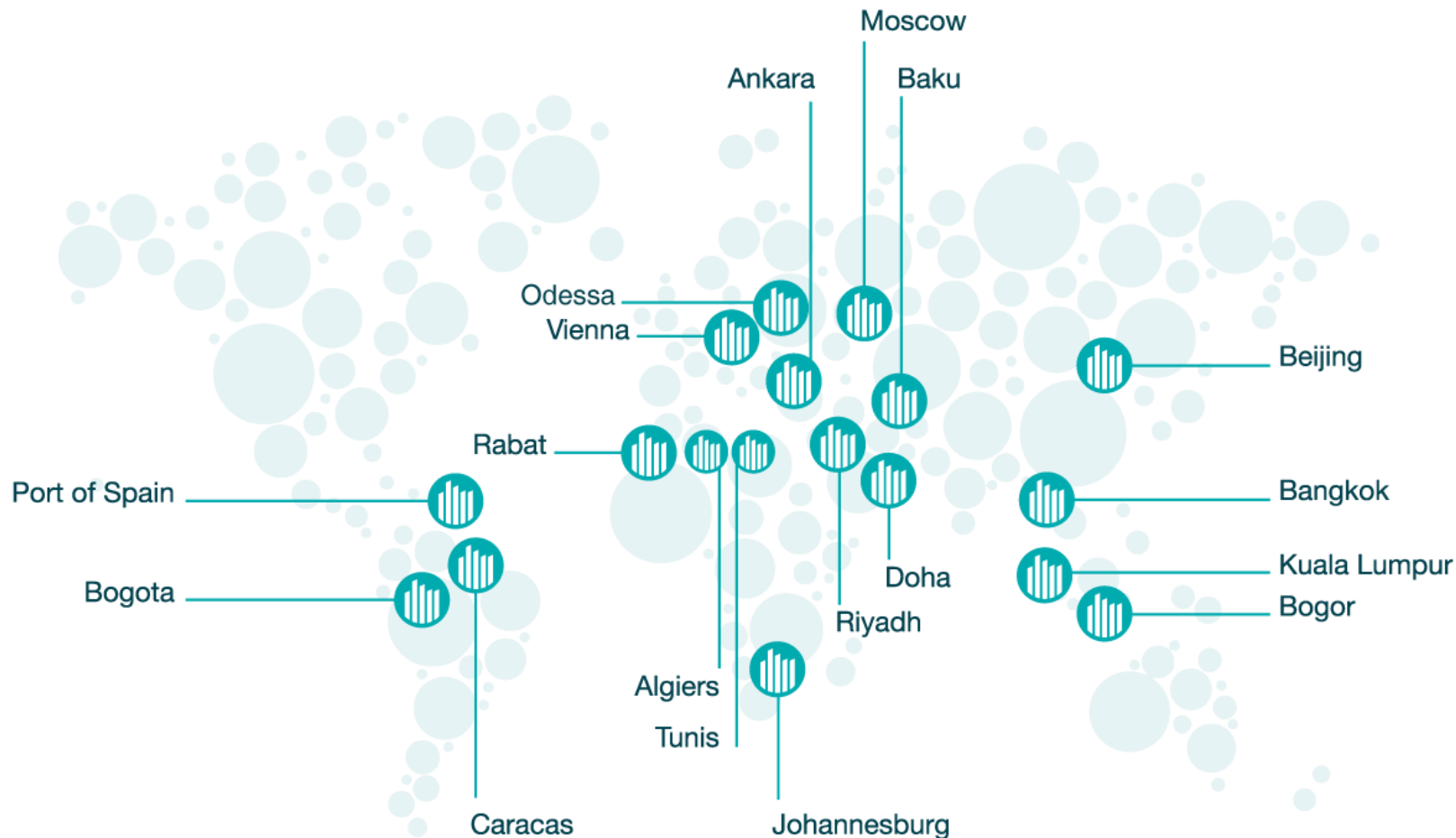
## Coordination and consensus building



[www.jodidata.org](http://www.jodidata.org)

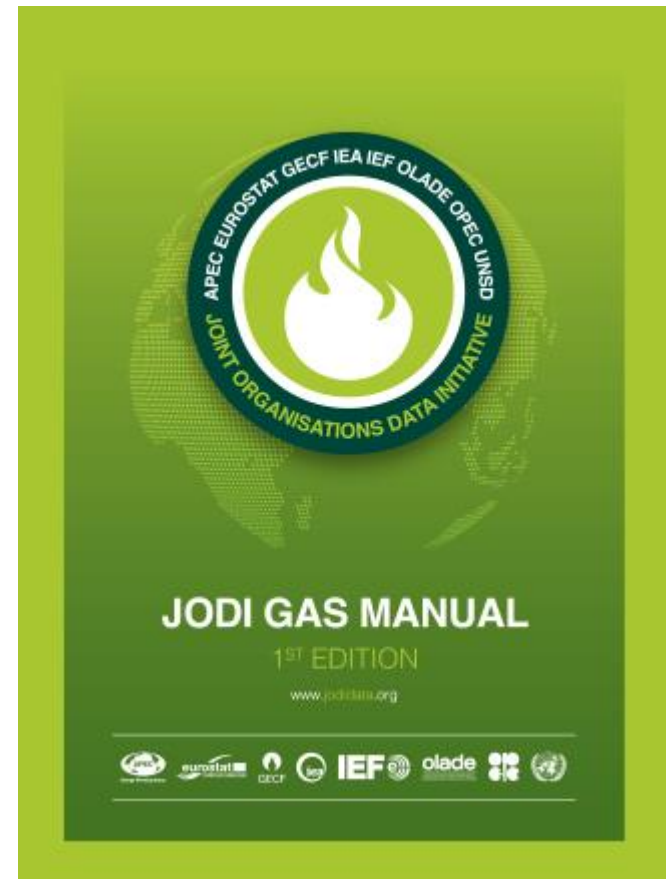
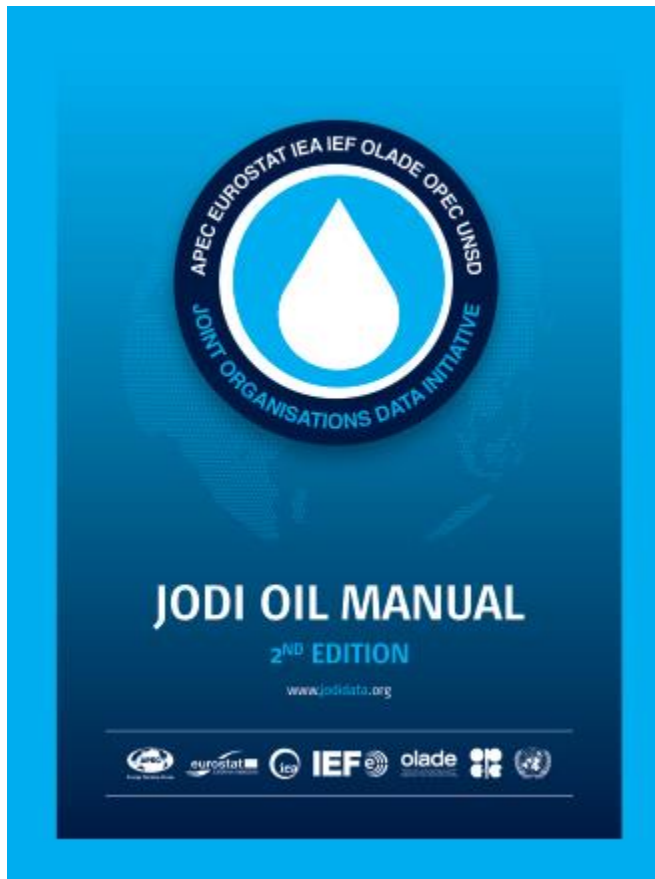
# Successful Model of International Cooperation among 8 International Organisations

## Established training programmes since 2004



# Successful Model of International Cooperation among 8 International Organisations

## Harmonizing definitions



# Successful Model of International Cooperation Beyond Policy Makers and JODI Partners

## Enhanced data provider-user feedback chain

**IJC13** | 13<sup>th</sup> International  
JODI Conference

**Jodi.**   
[www.jodidata.org](http://www.jodidata.org)

10-11 October 2017, London, UK | One Birdcage Walk, Westminster | The Institution of Mechanical Engineers



Hosted by the UK Government with the support of Joint Organisations Data Initiative (JODI) partners

**Jodi.** 

BETTER DATA  
BETTER DECISIONS

# Successful Model of International Cooperation Beyond Policy Makers and JODI Partners

Enhanced data provider-user feedback chain



Associated with the 13th International JODI Conference  
10 October 2017, One Birdcage Walk, Westminster, London

# Successful Model of International Cooperation Beyond Policy Makers and JODI Partners

## Enhanced dialogues for all key stakeholders

JODI Information Seminar | 21 November 2017 | Santa Cruz de la Sirra, Bolivia



Hosted by GECF 2017 - Bolivia with support of Joint Organisations Data Initiative (JODI) partners

# Successful Model of International Cooperation Beyond Policy Makers and JODI Partners

Enhanced dialogues for all key stakeholders

JODI Information Seminar | 10 April 2018 | New Delhi

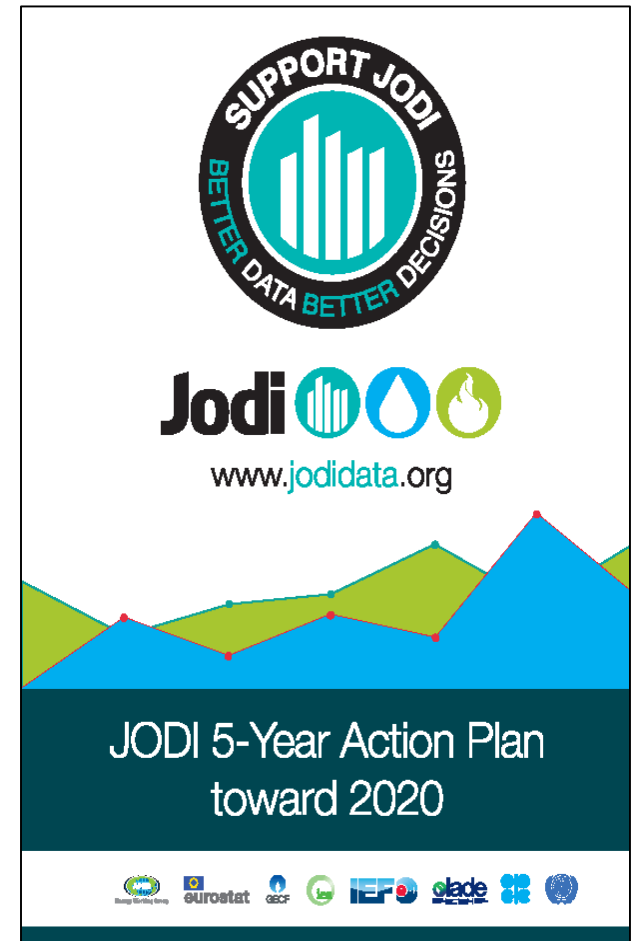


In Association with IEF16 with support of Joint Organisations Data Initiative (JODI) partners

# JODI 5-Year Action Plan Toward 2020

**IEF with support of JODI Partners elaborated the plan based on 7 key objectives.**

- Objective 1: Continue to enhance the quality of JODI data**
- Objective 2: Improve the timeliness of data reporting mechanisms**
- Objective 3: Continue to strengthen capacity building efforts**
- Objective 4: Strengthen engagement with the JODI user/energy data analytics community**
- Objective 5: Raise JODI brand - awareness**
- Objective 6: Consider improvement of data transparency for other forms of energy**
- Objective 7: Identify and engage expanded JODI Champions**



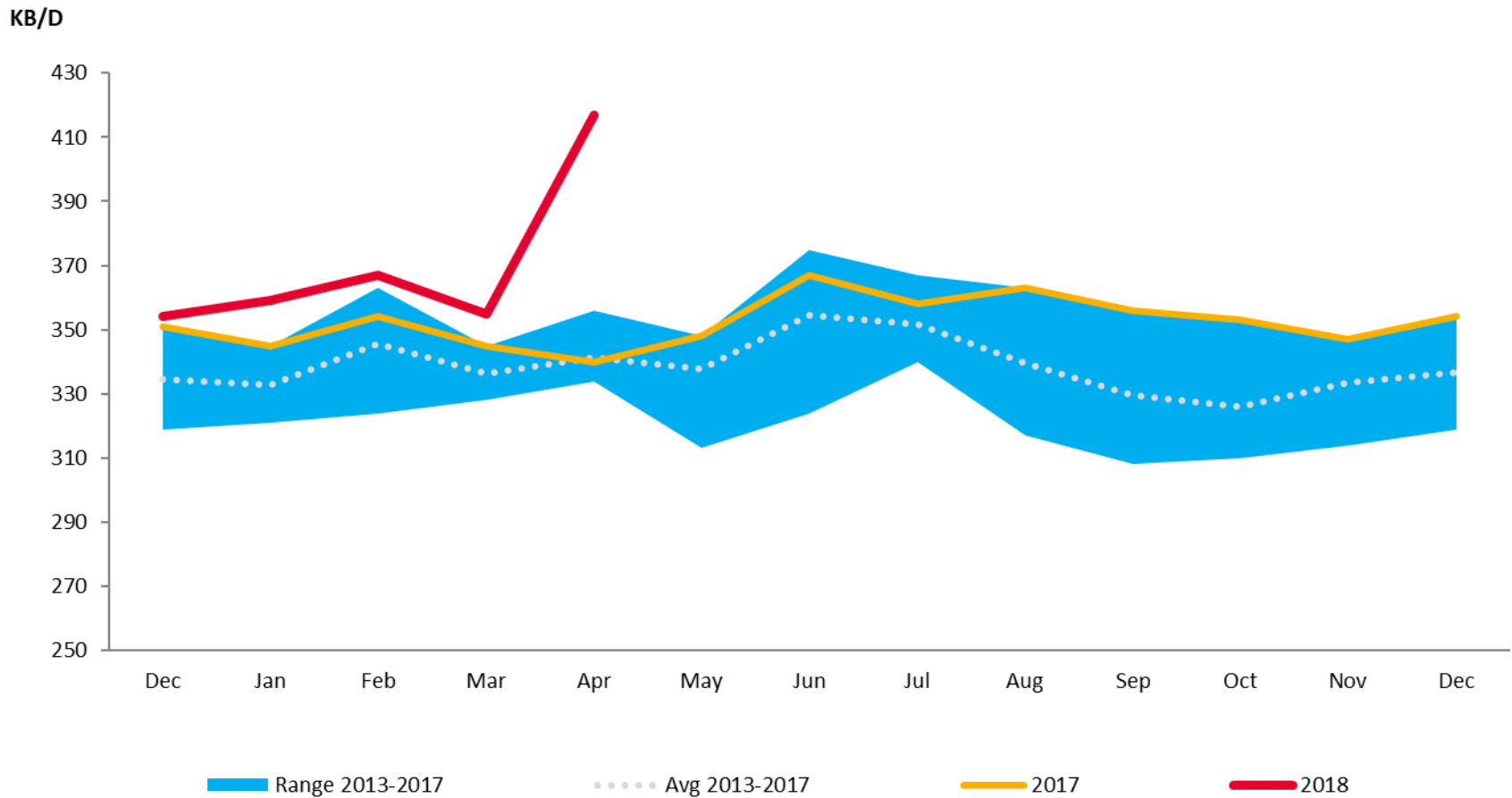


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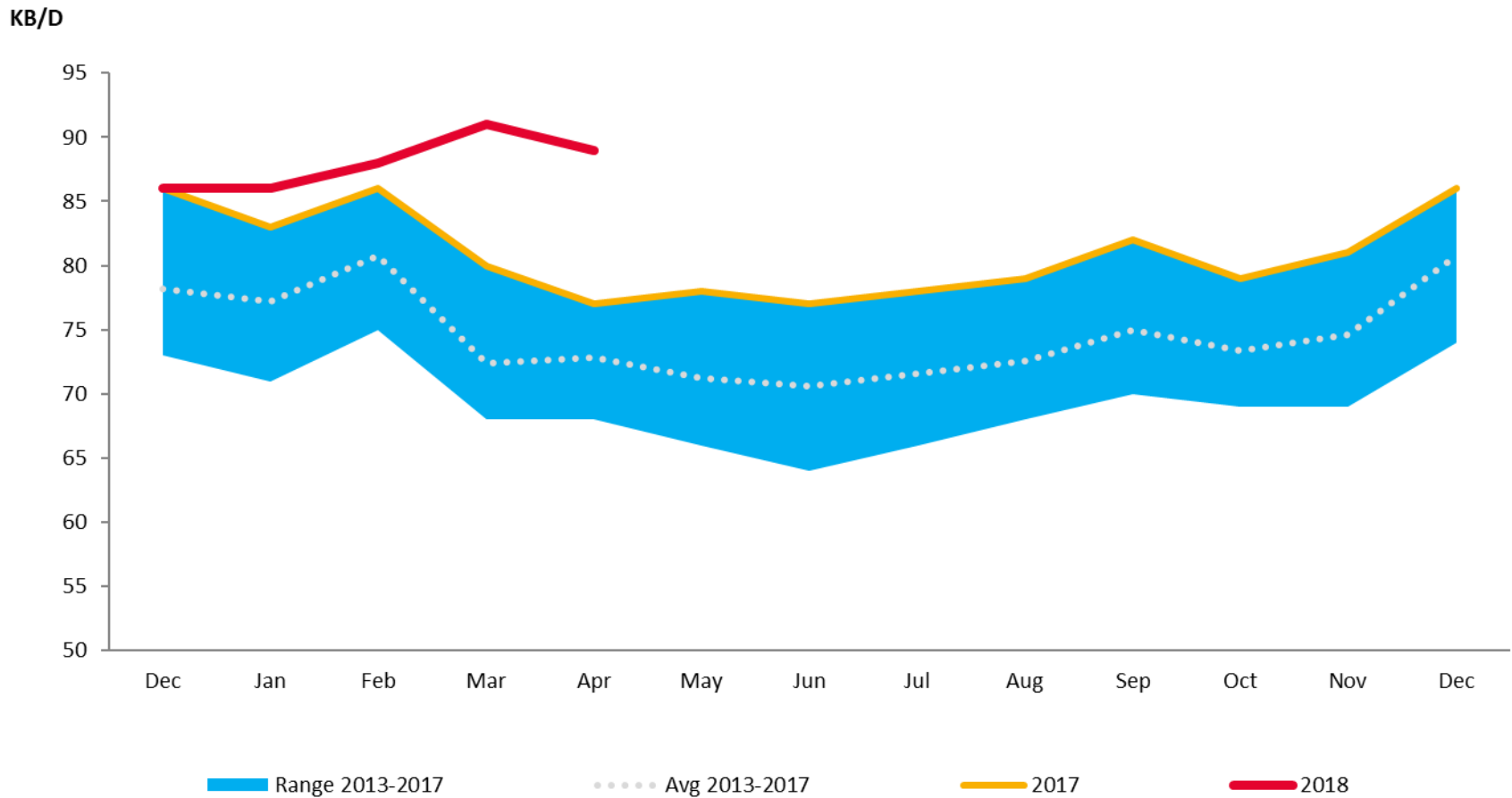
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1. JODI: Success Model of International Cooperation
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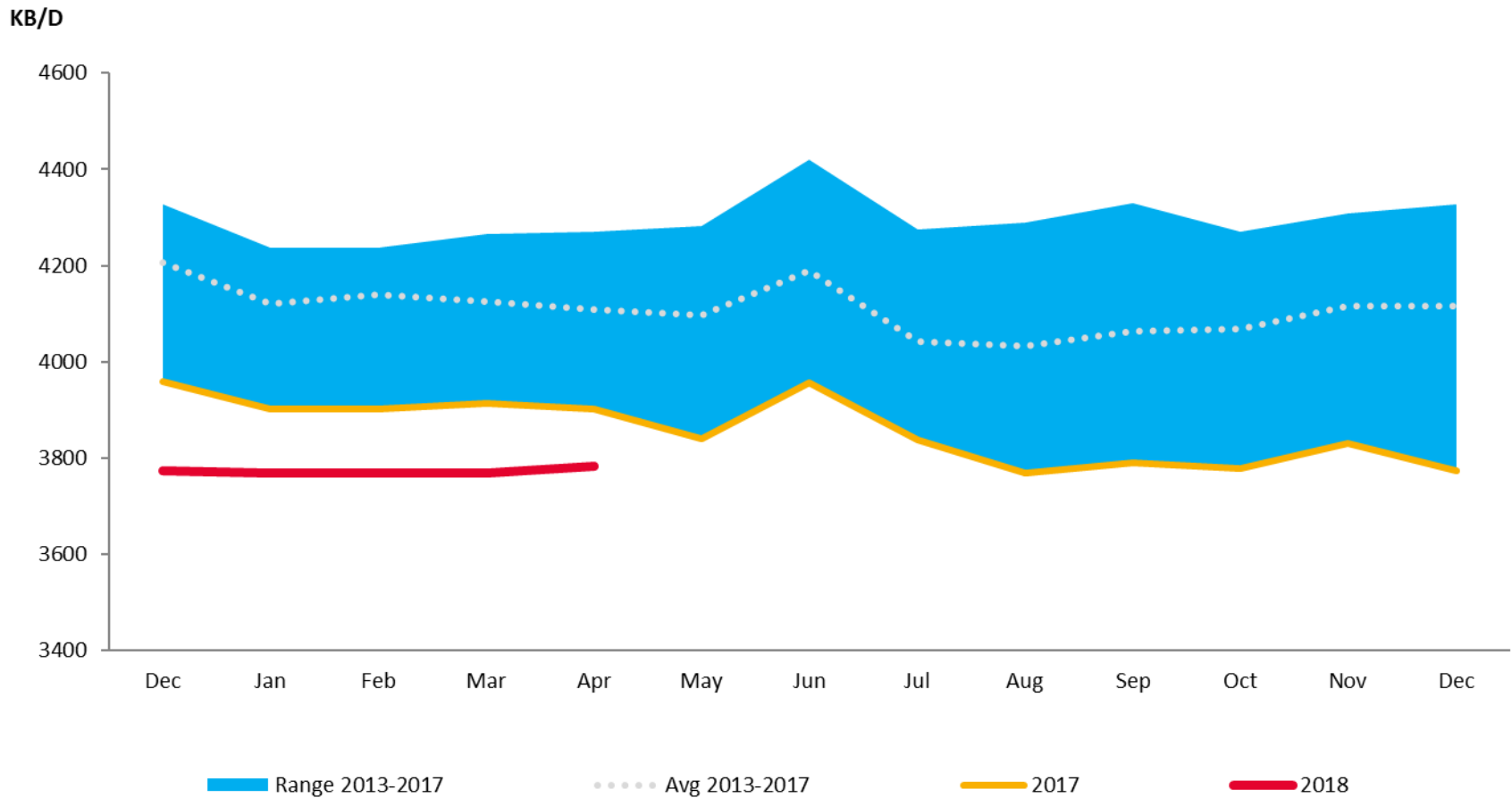
# Chilean oil products demand at the highest level



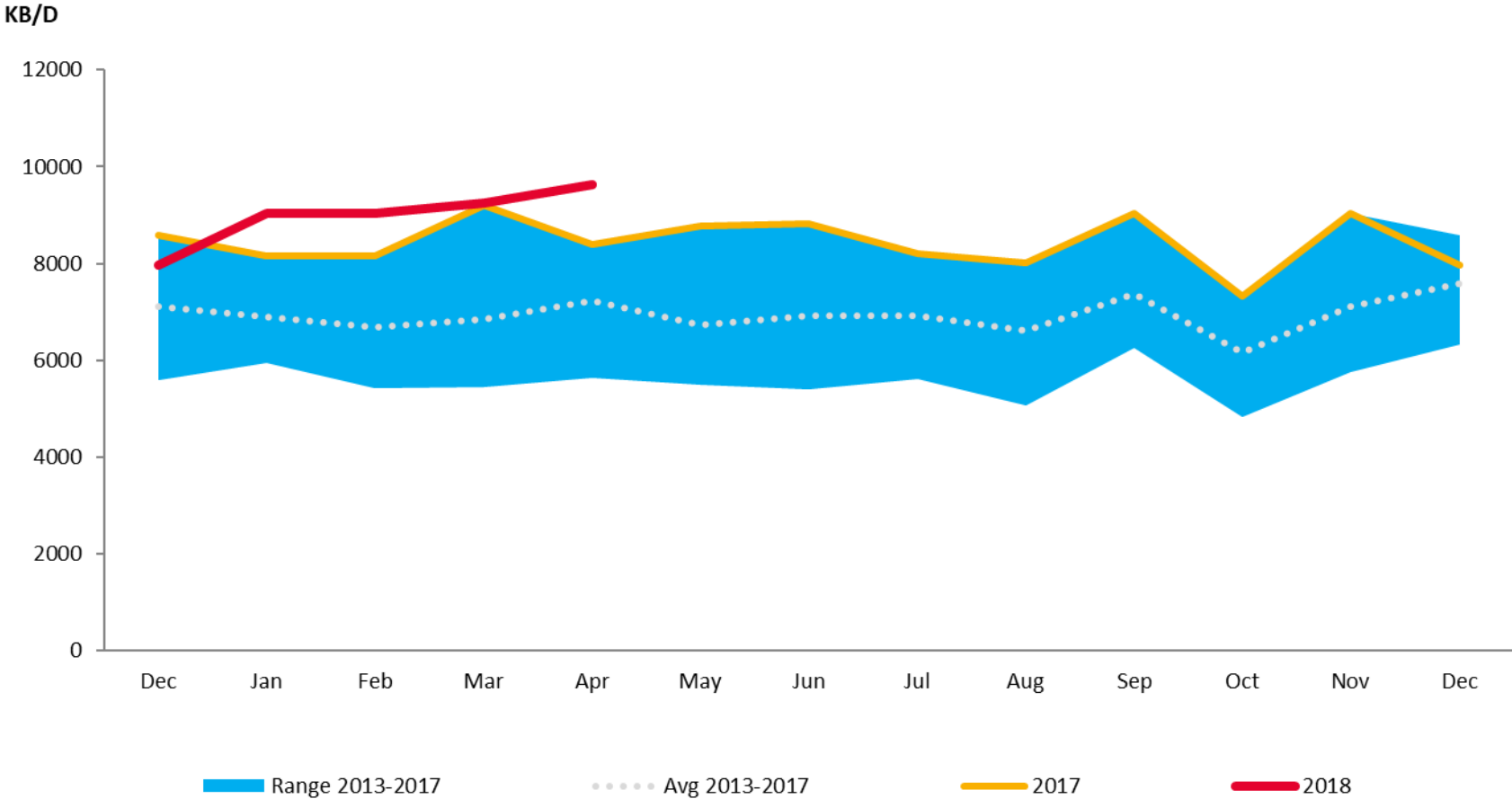
# Gasoline leads Chilean oil products demand



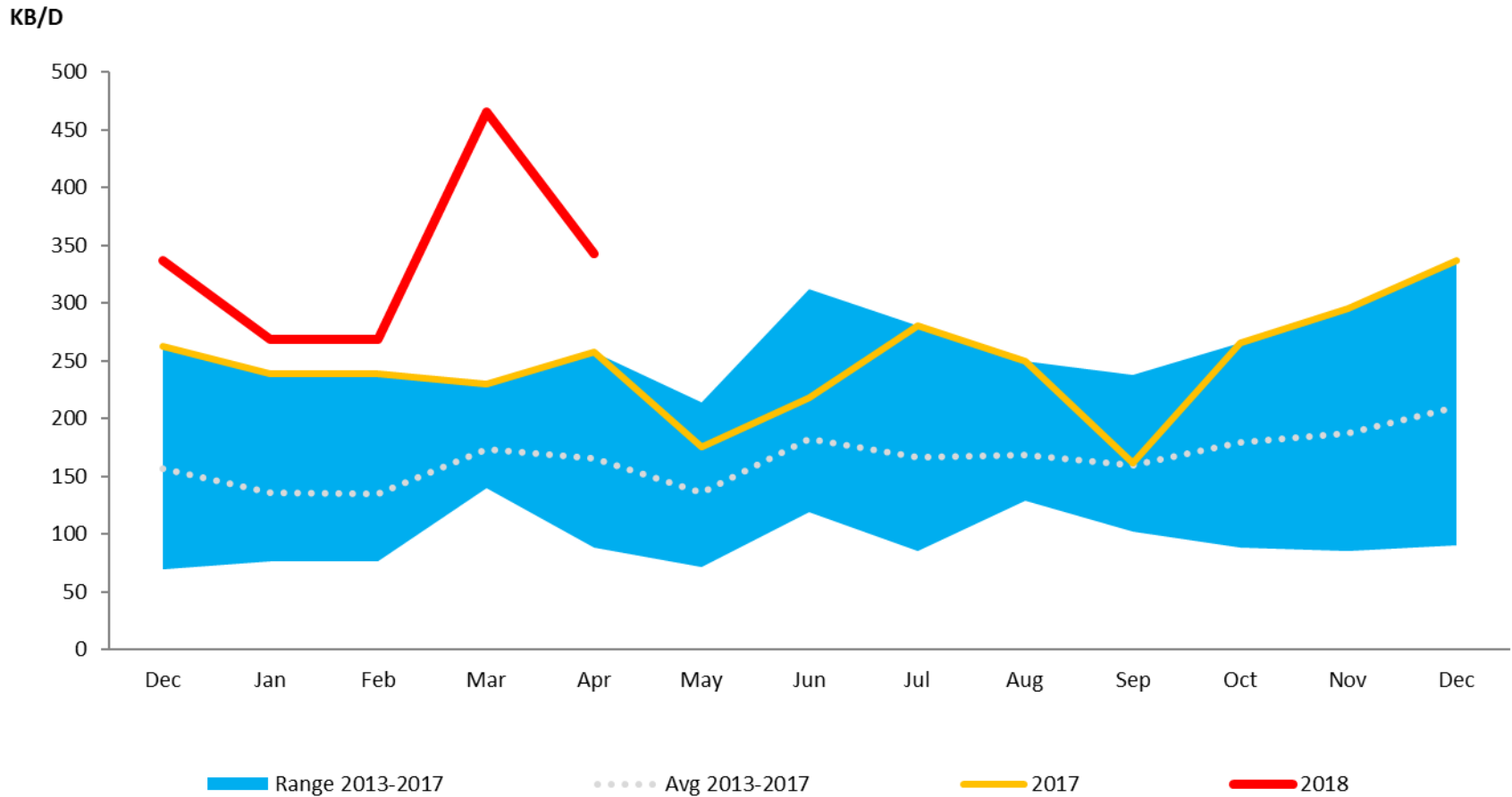
# China continue to produce domestic oil at low level



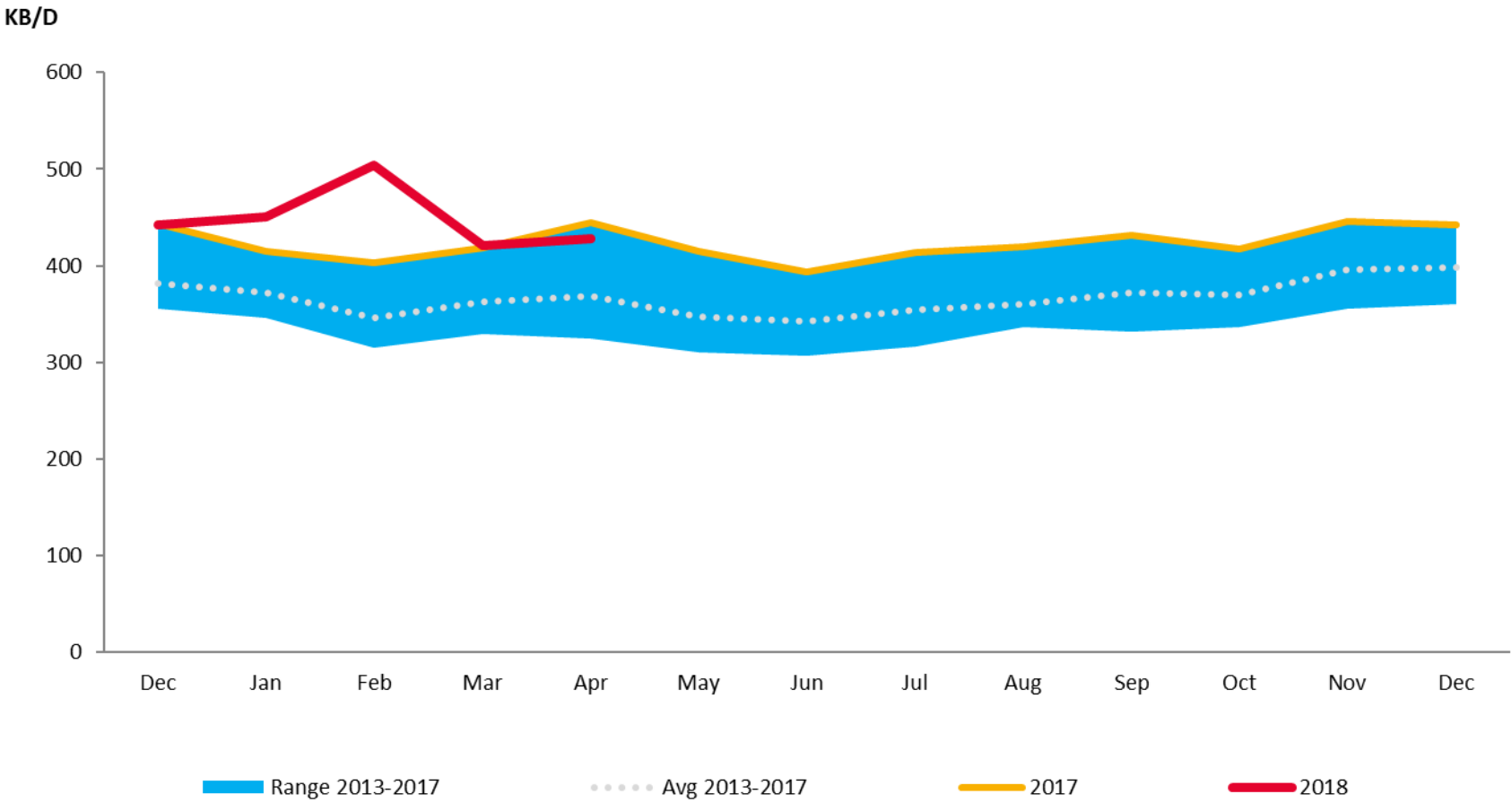
# Chinese crude oil imports at the highest level



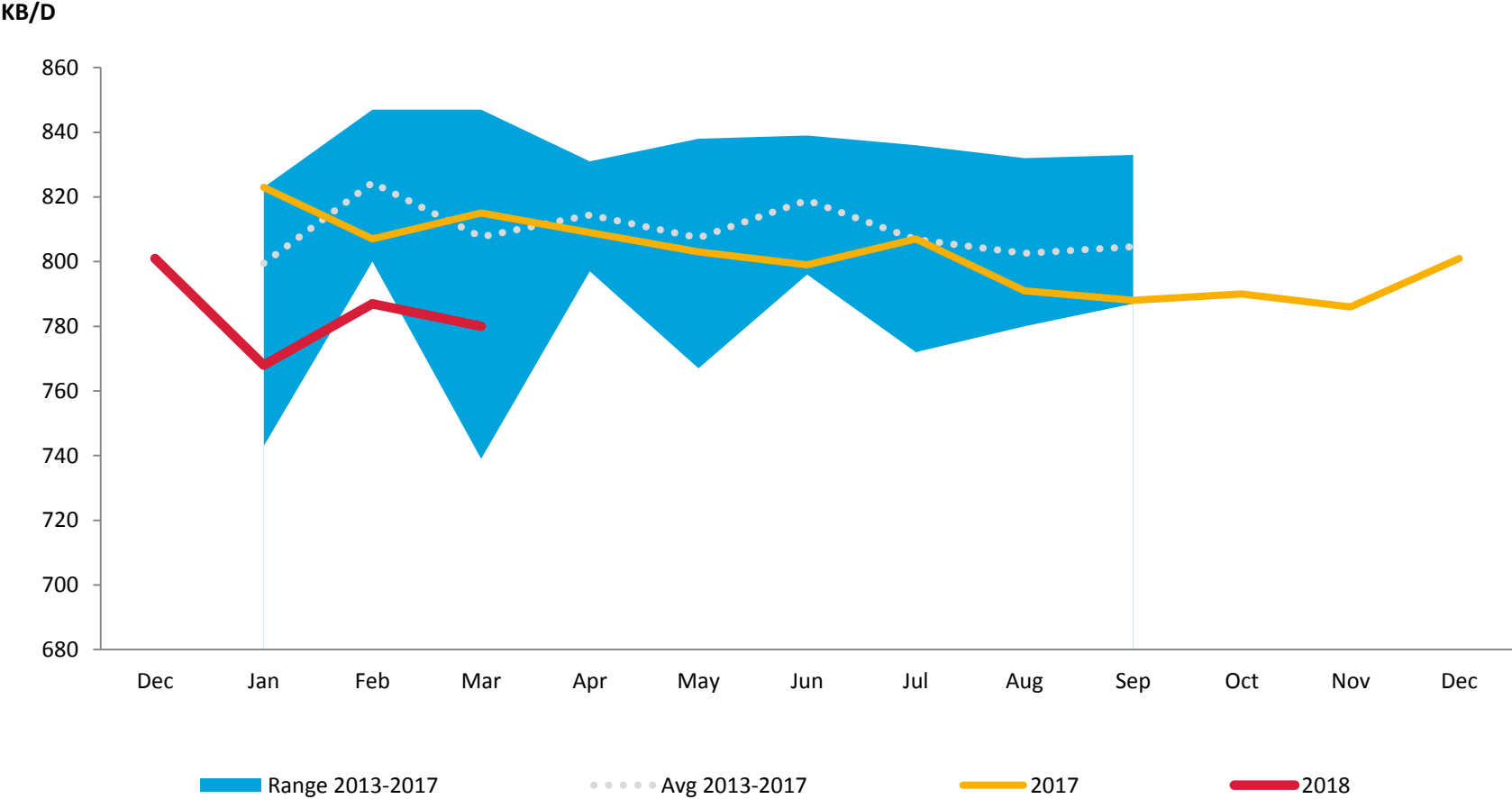
# Chinese oil products are increasingly altered to exports



# Hong Kong oil products demand remains robust



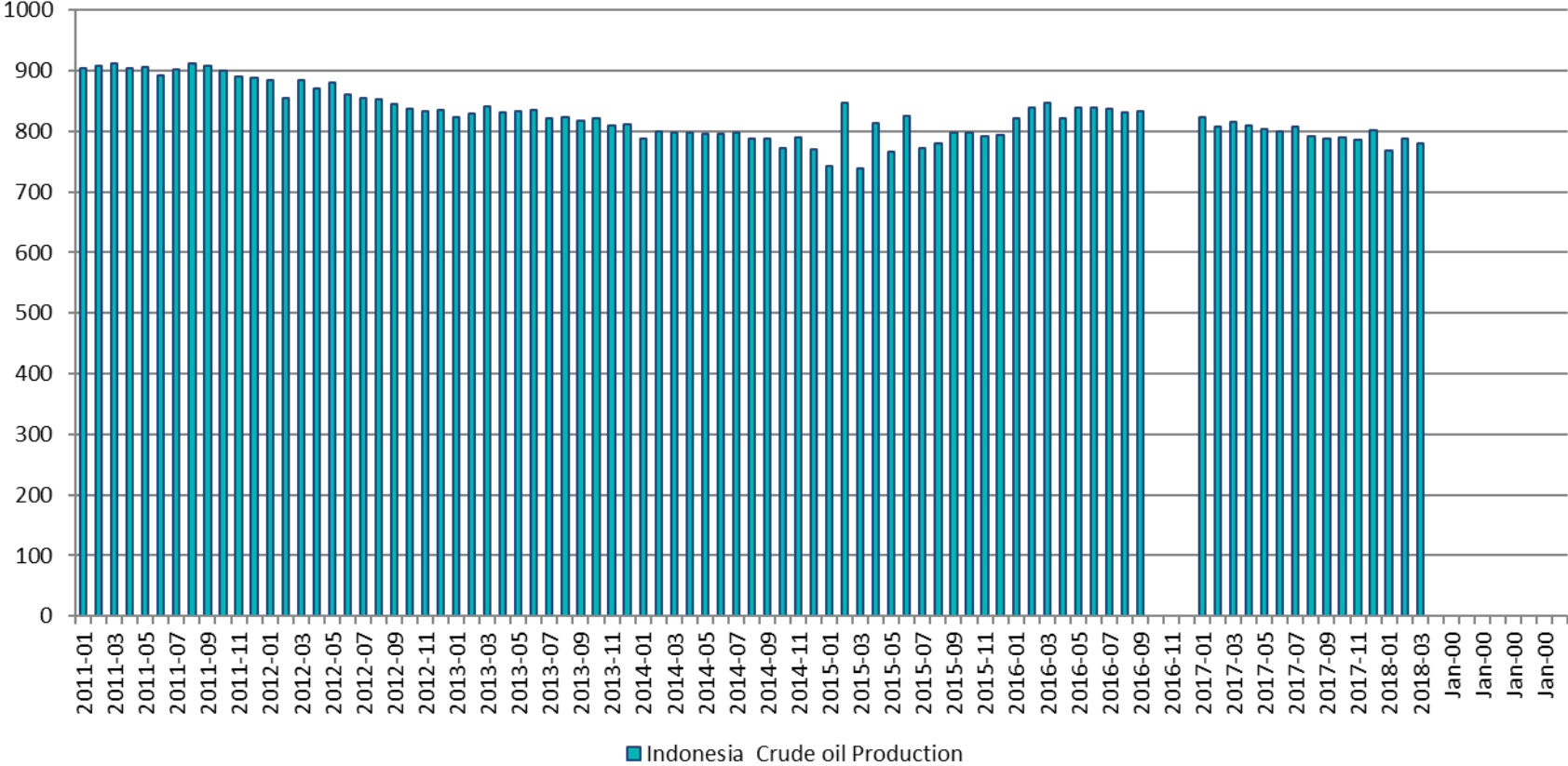
# Indonesian crude oil production below 5 year average



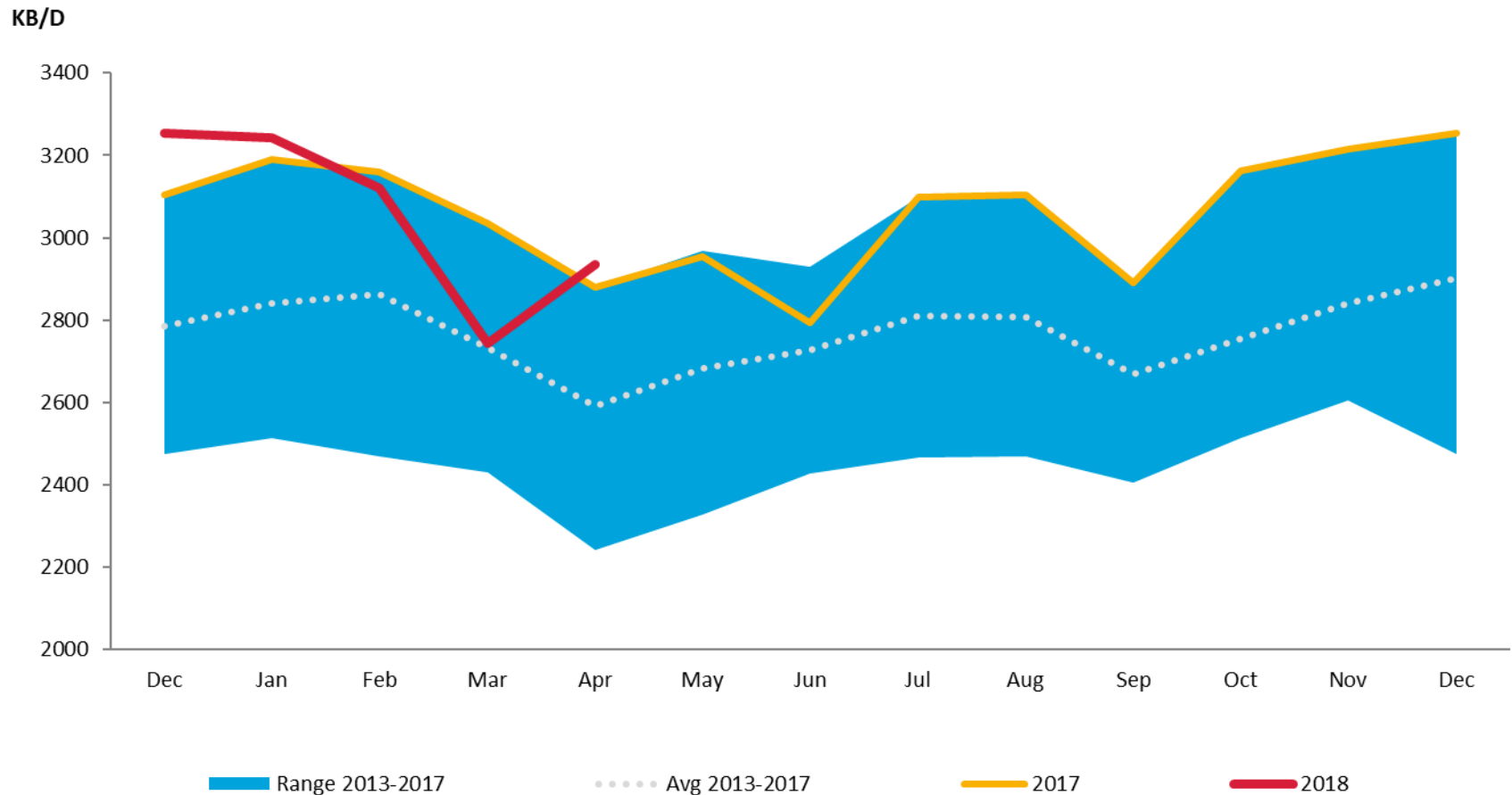


# Indonesian crude oil production below 5 year average

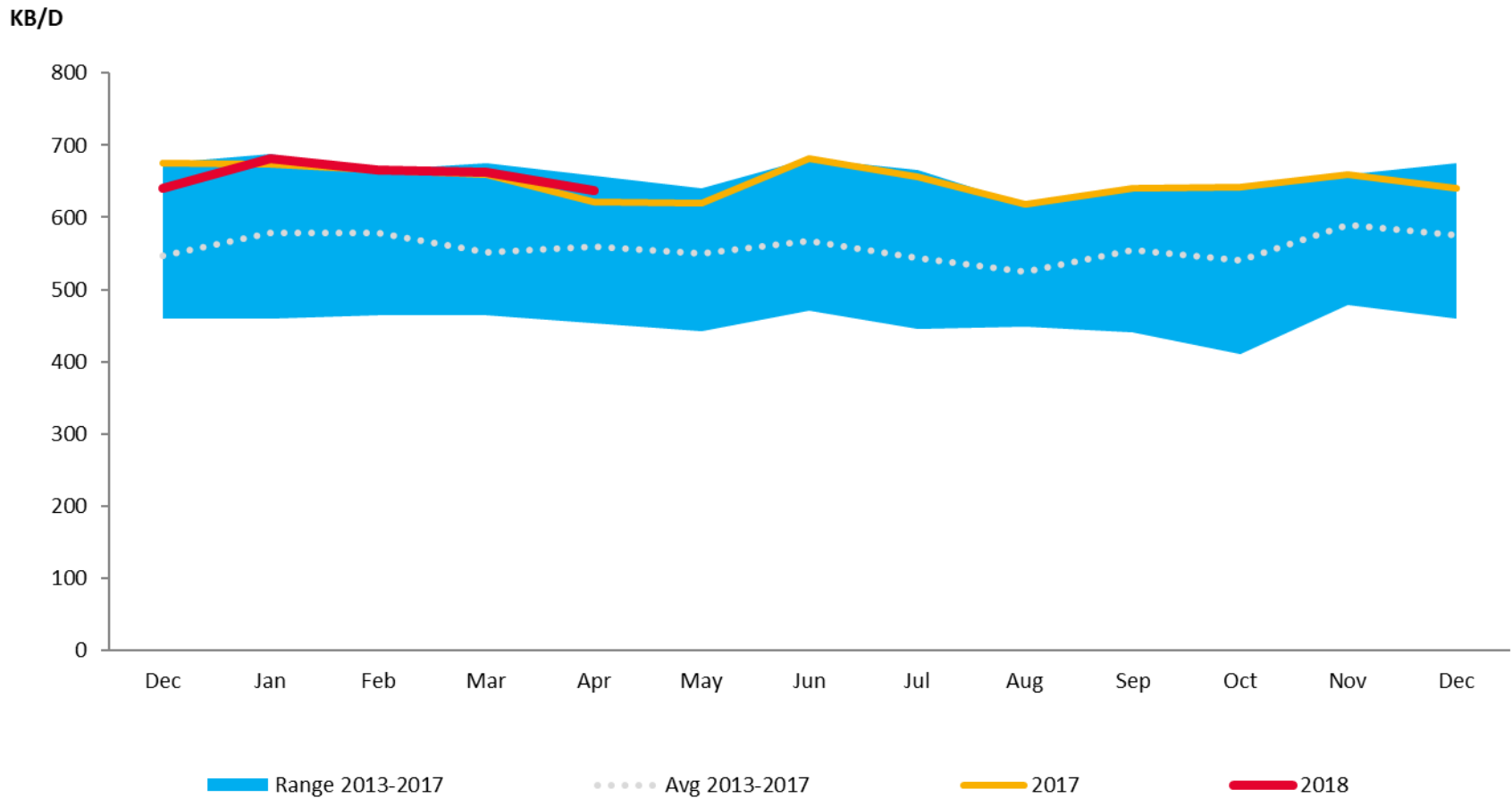
Indonesia Crude oil Production



# Korean crude oil refinery intake has slowed in 2018

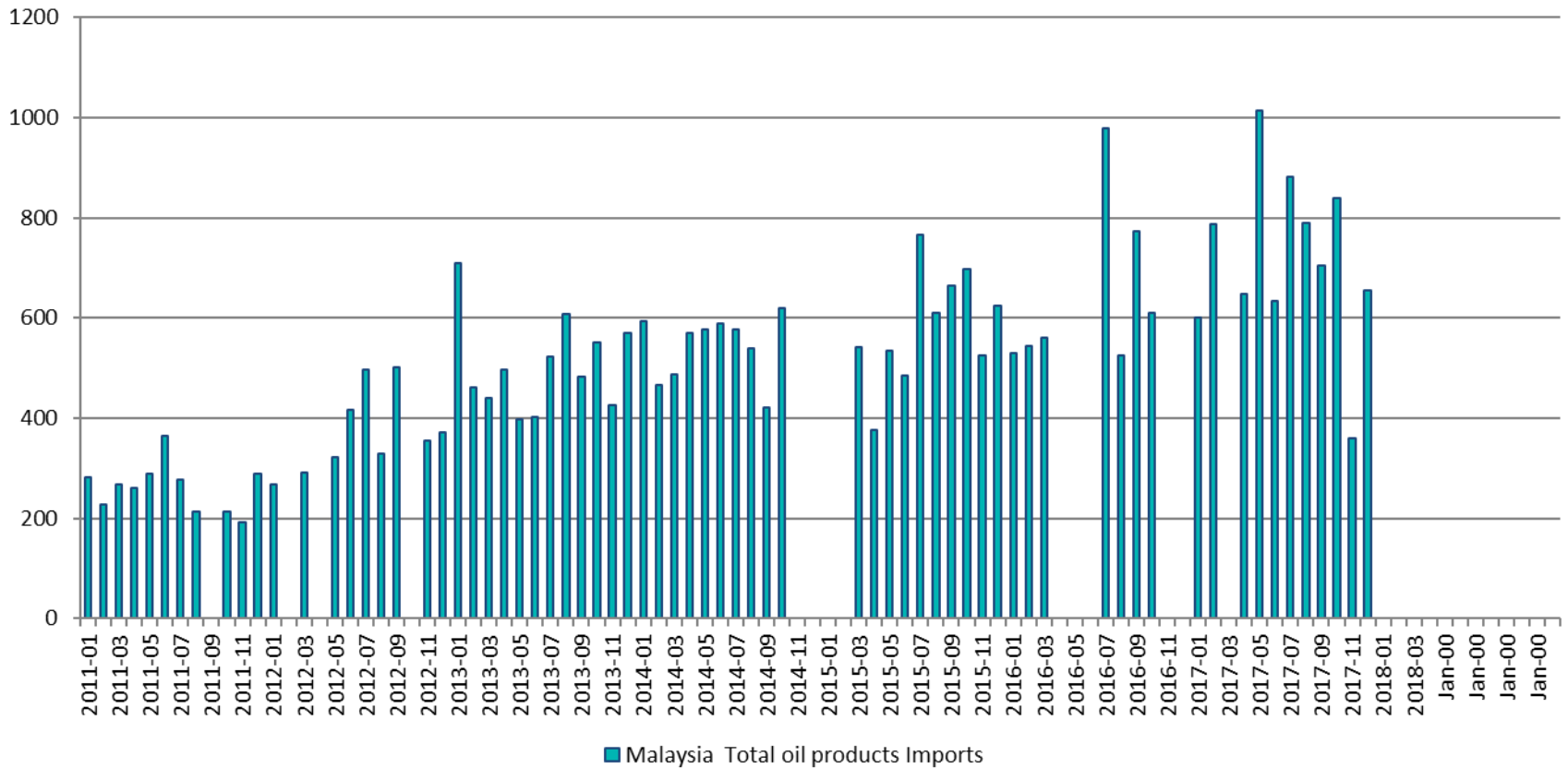


# Malaysian crude production at the highest level

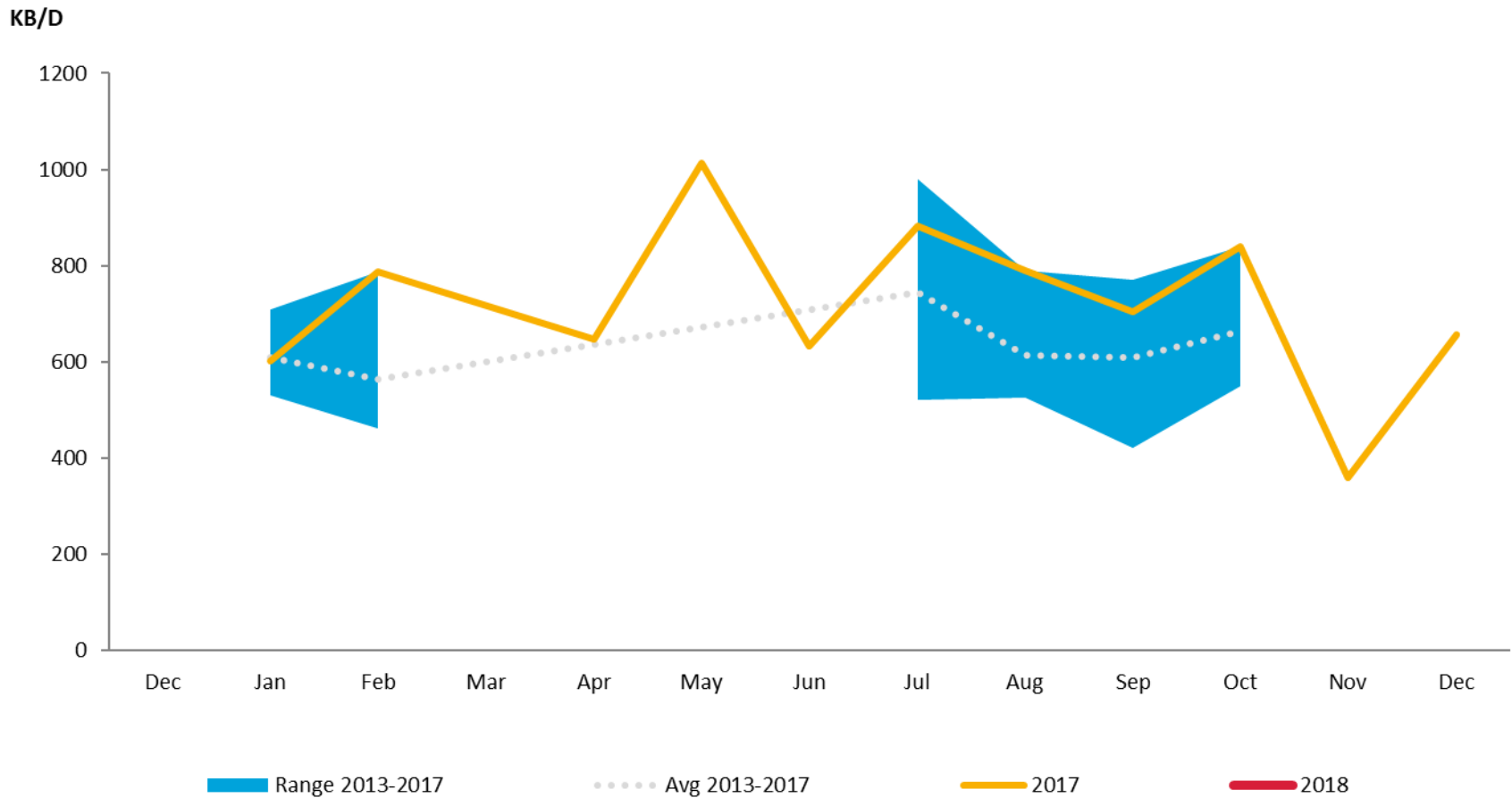


# Malaysian oil products imports in rise...(?)

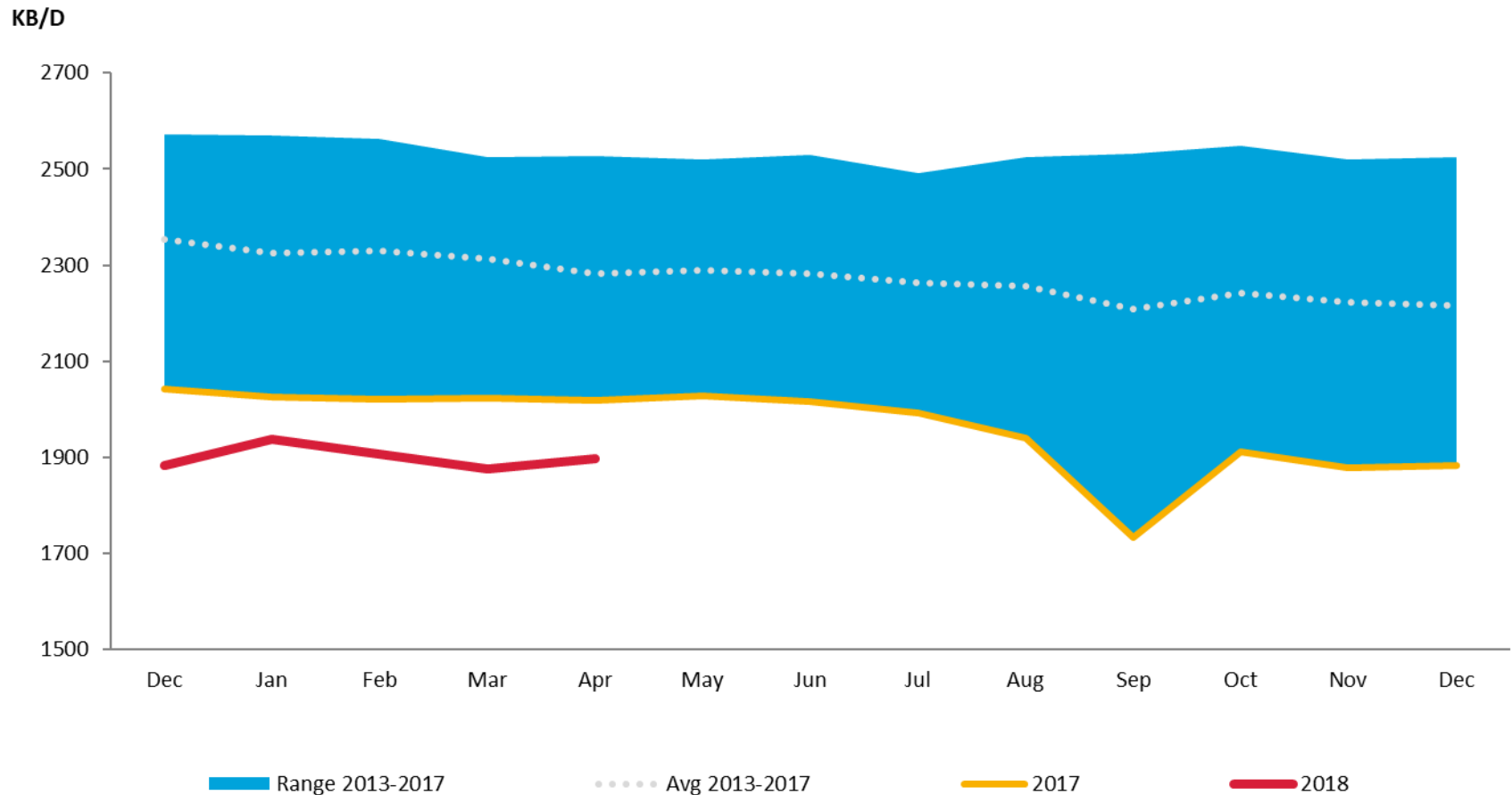
## Malaysia Total oil products Imports



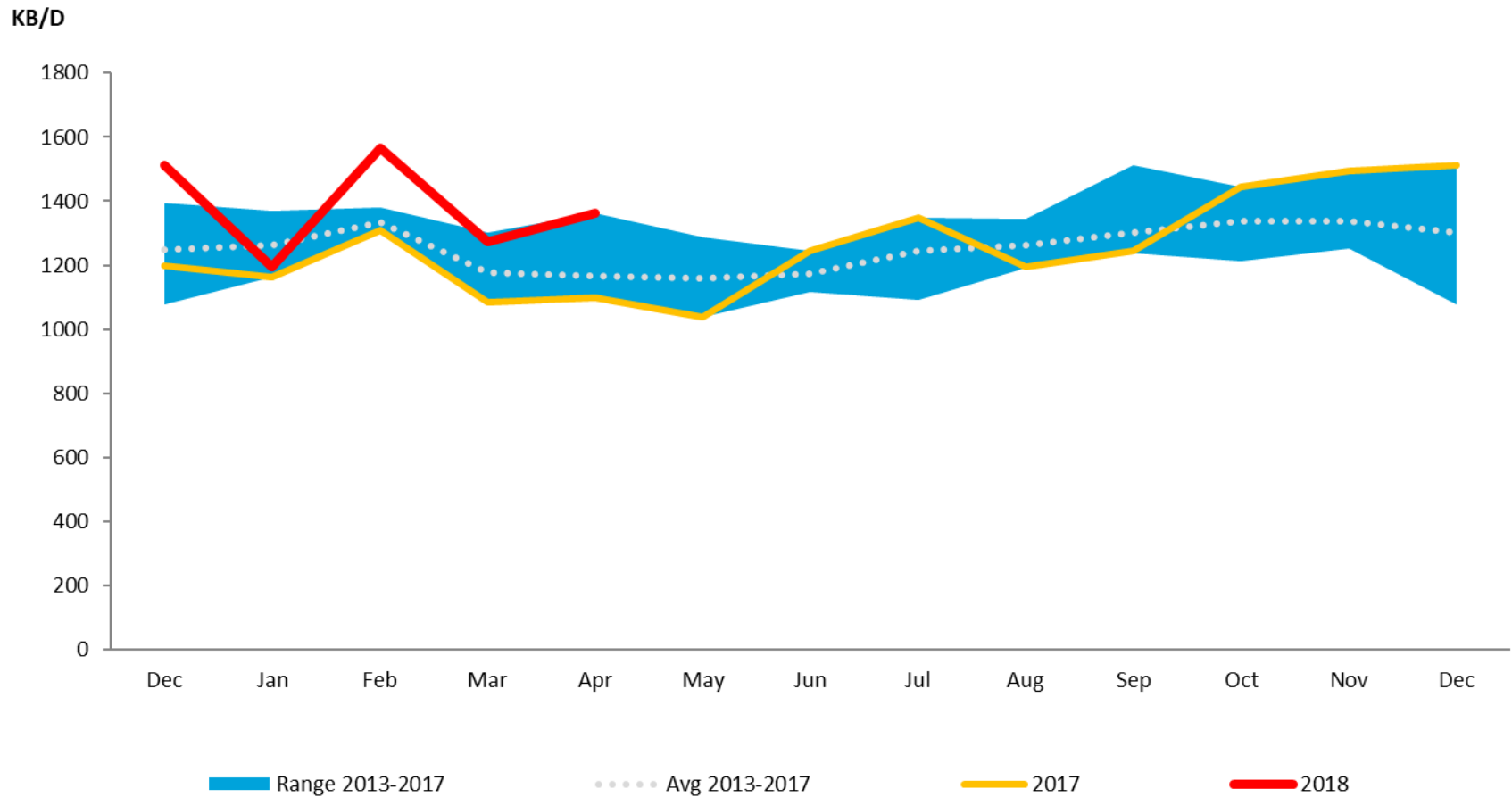
# Malaysian oil products imports in rise...(?)



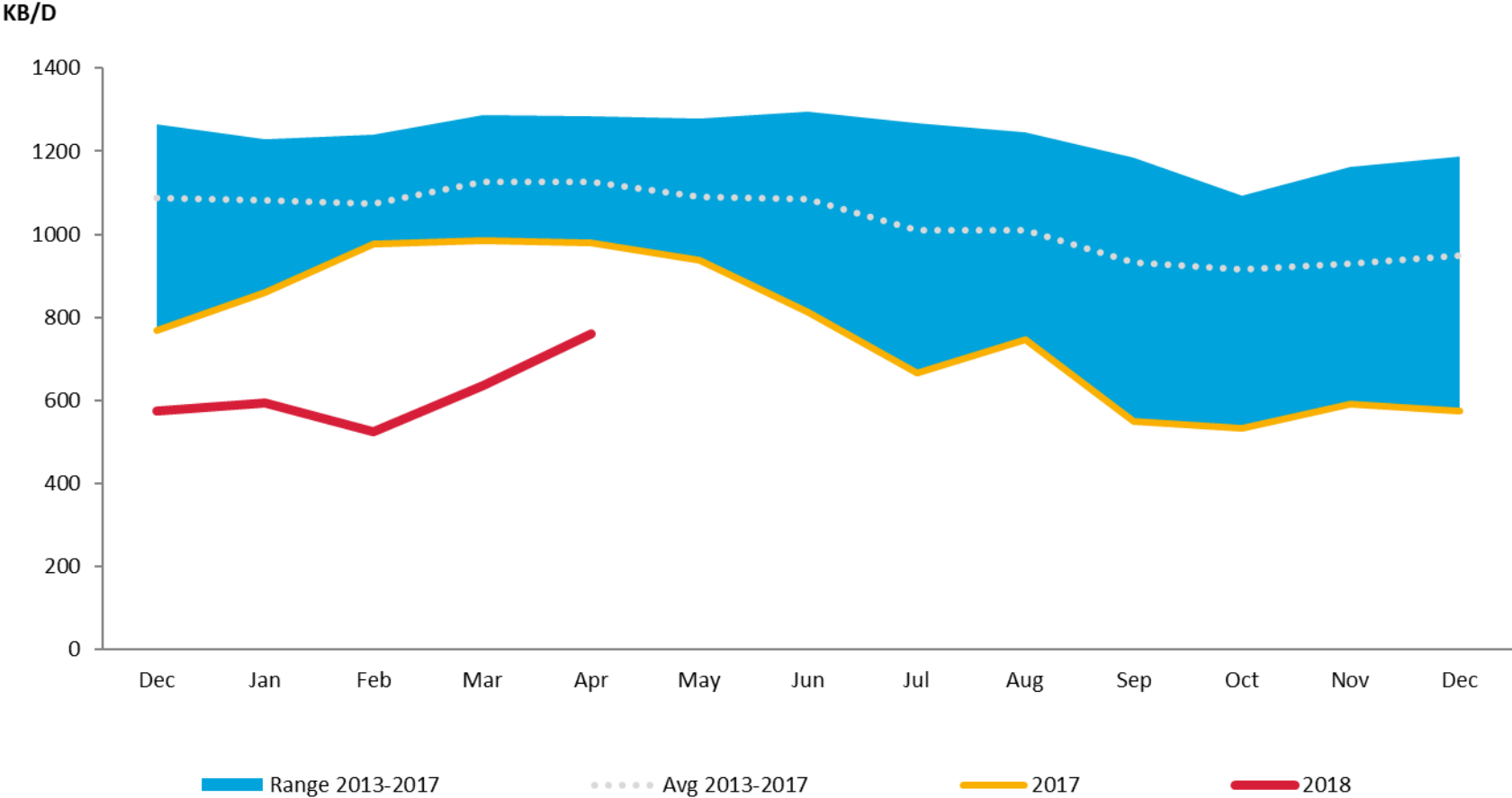
# Mexican crude oil production at the lowest level



# Mexican crude oil exports at the highest level in contrary

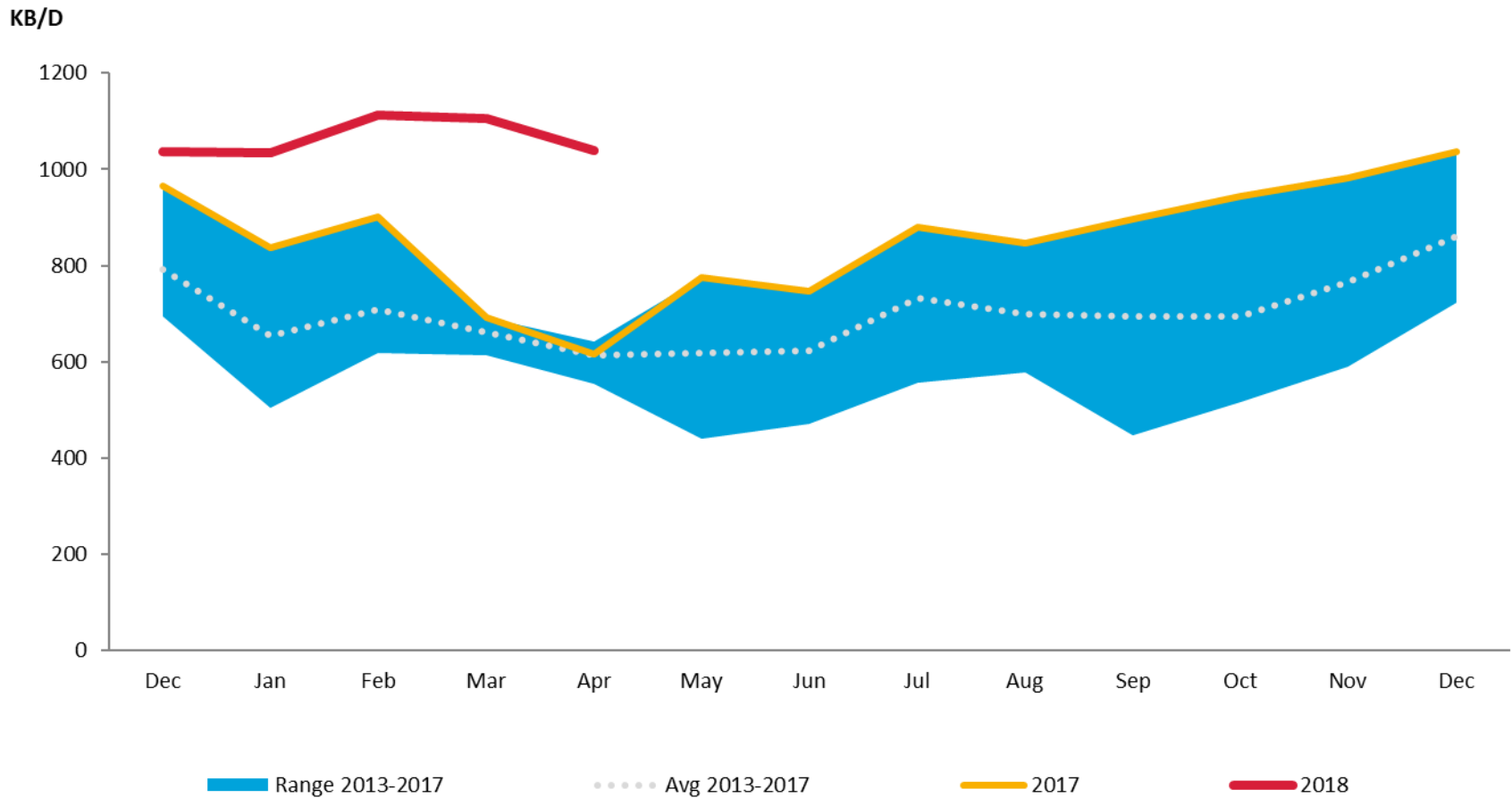


# Mexican crude oil refinery intake at the highest level as a result

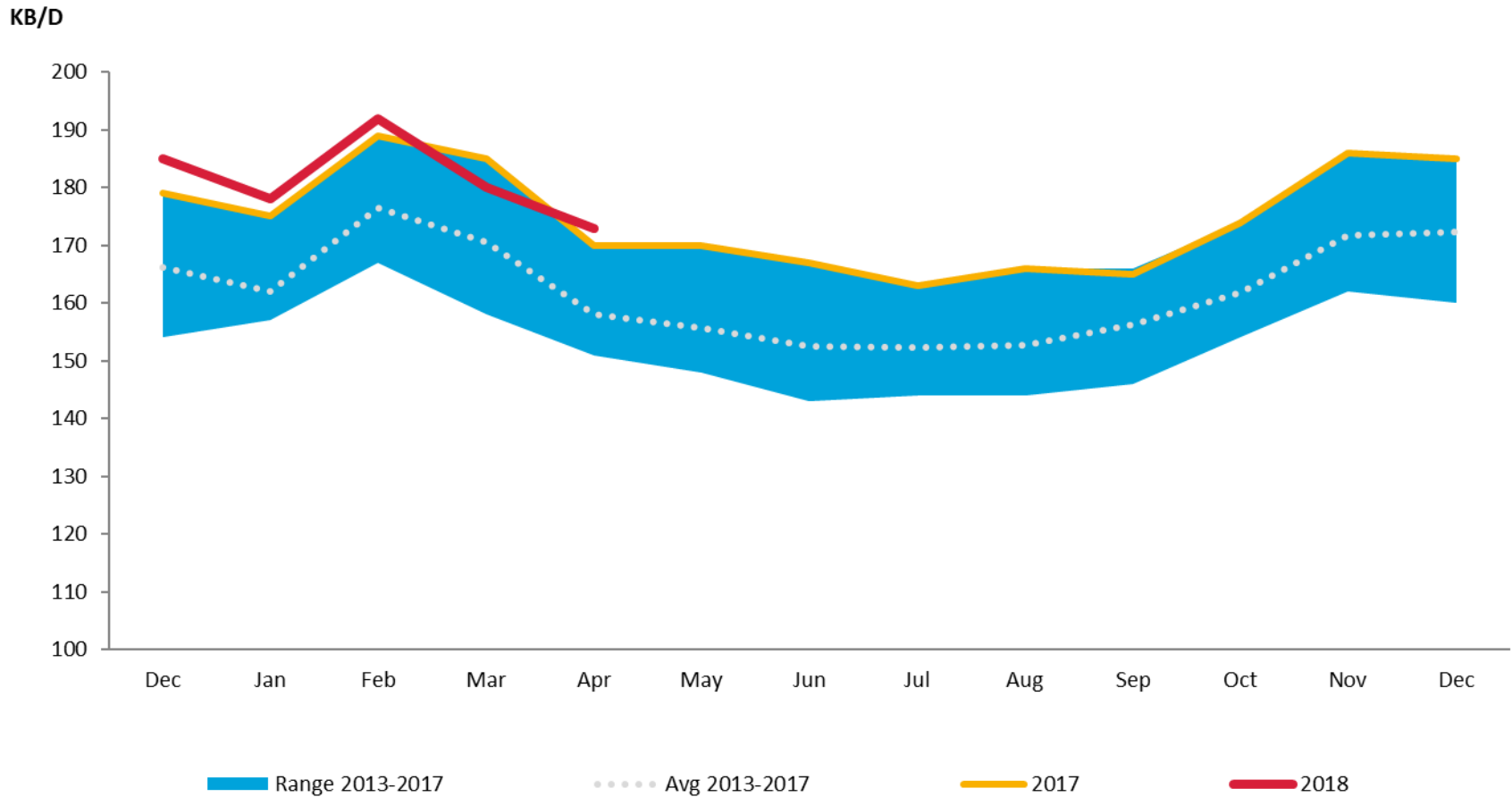




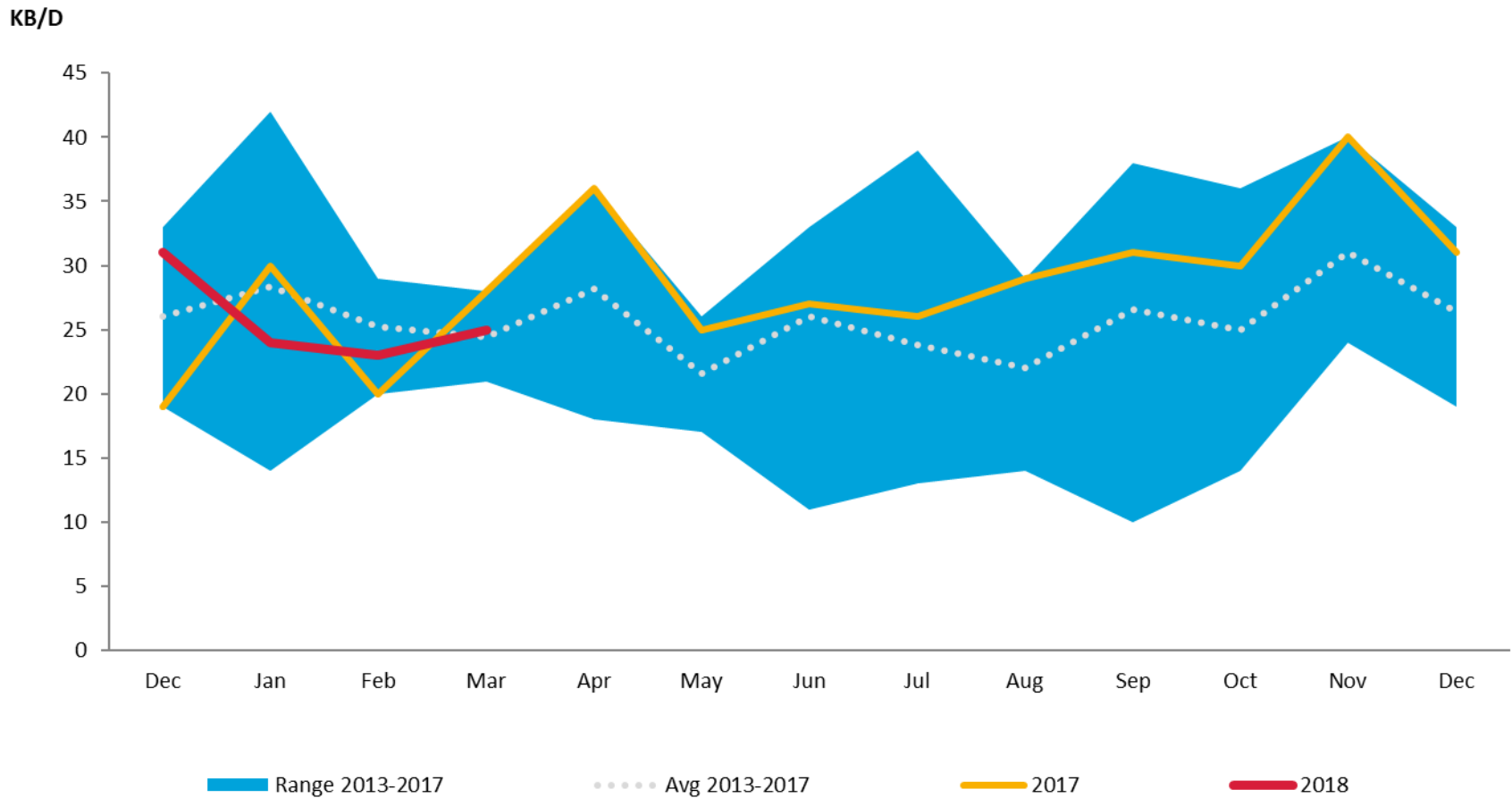
# And Mexico imports oil products that the highest level



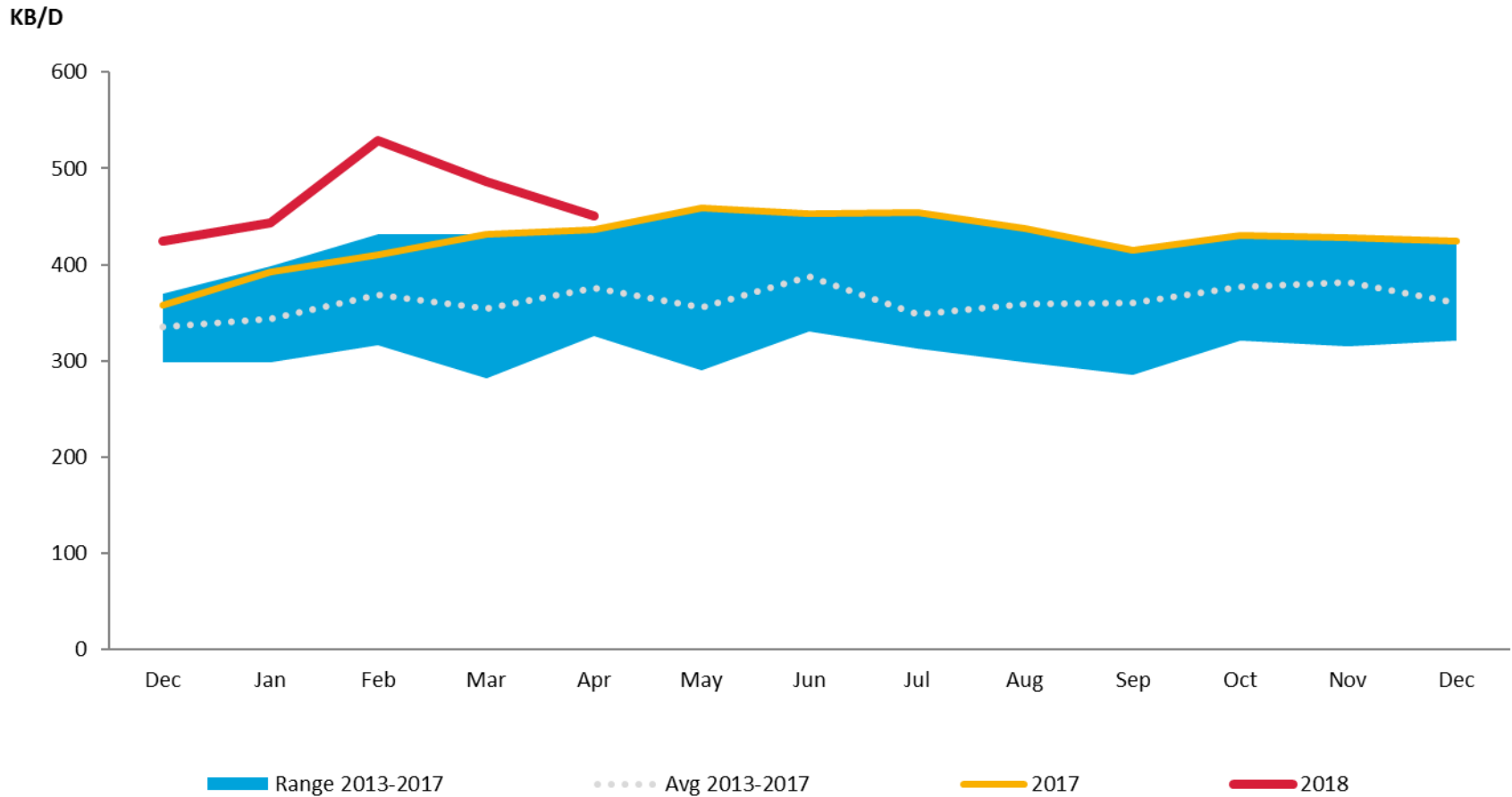
# New Zealand oil products demand at the highest level



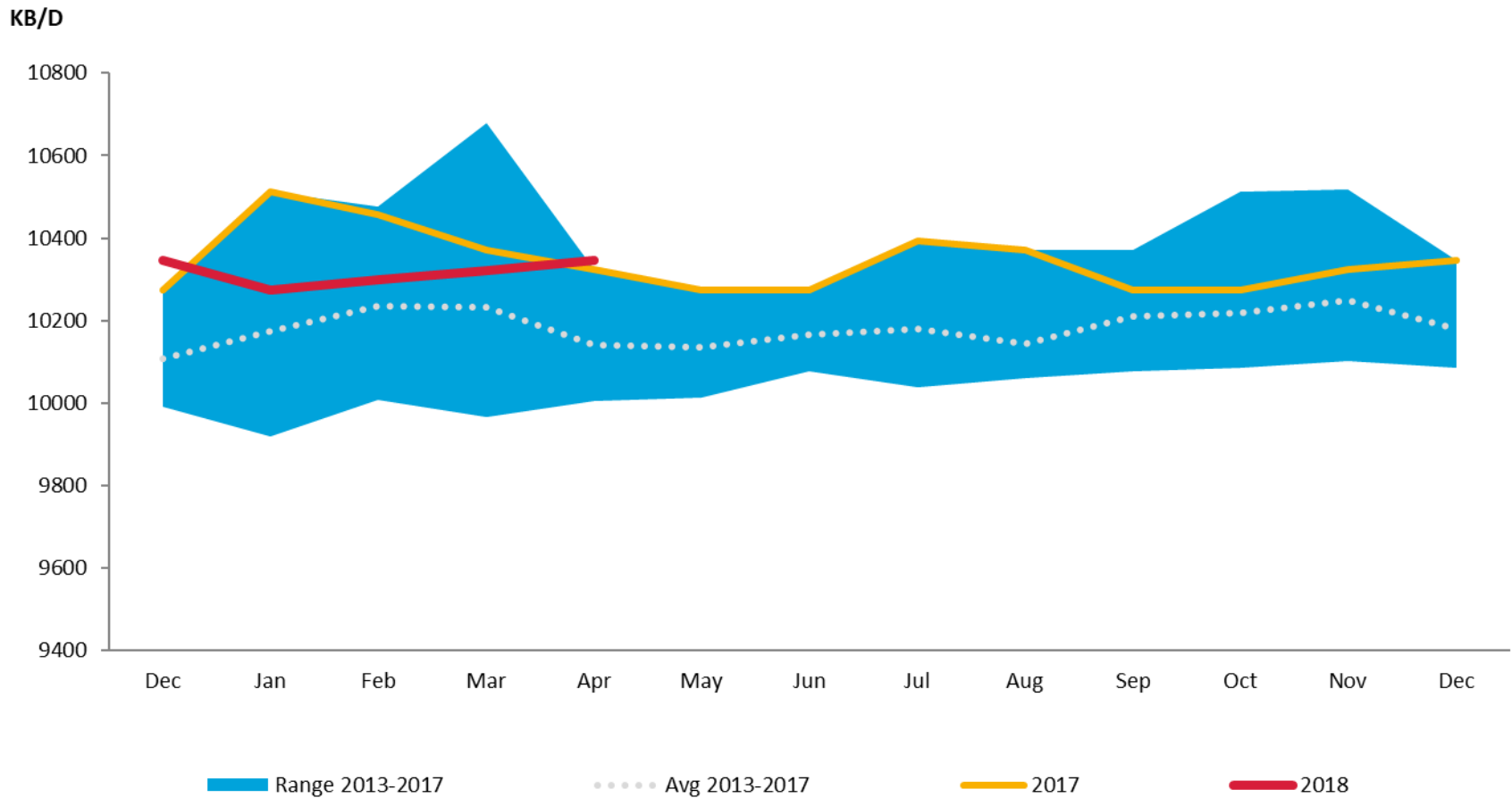
# PNG oil products demand at 5-year average



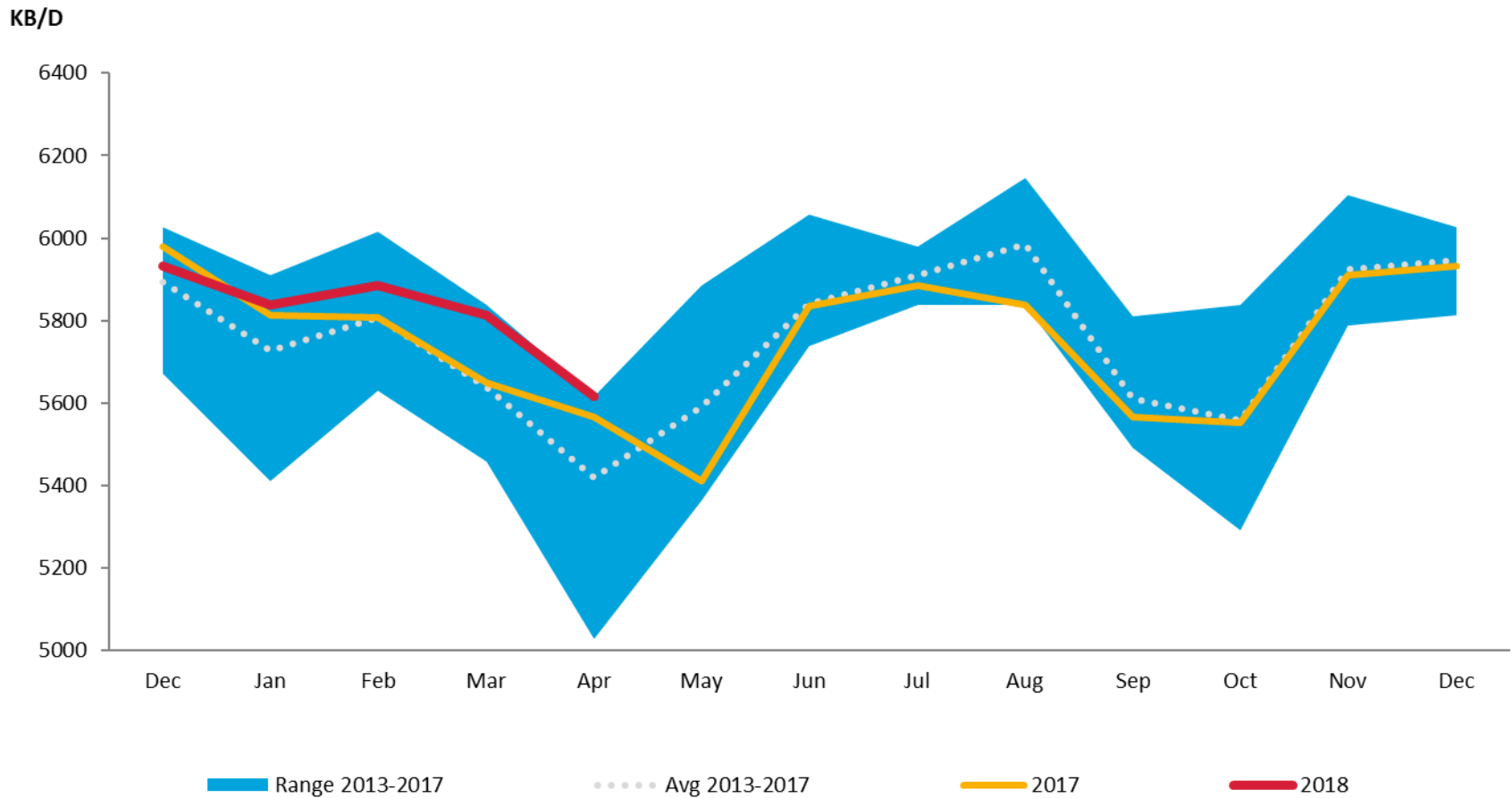
# Philippines oil products demand at the highest level



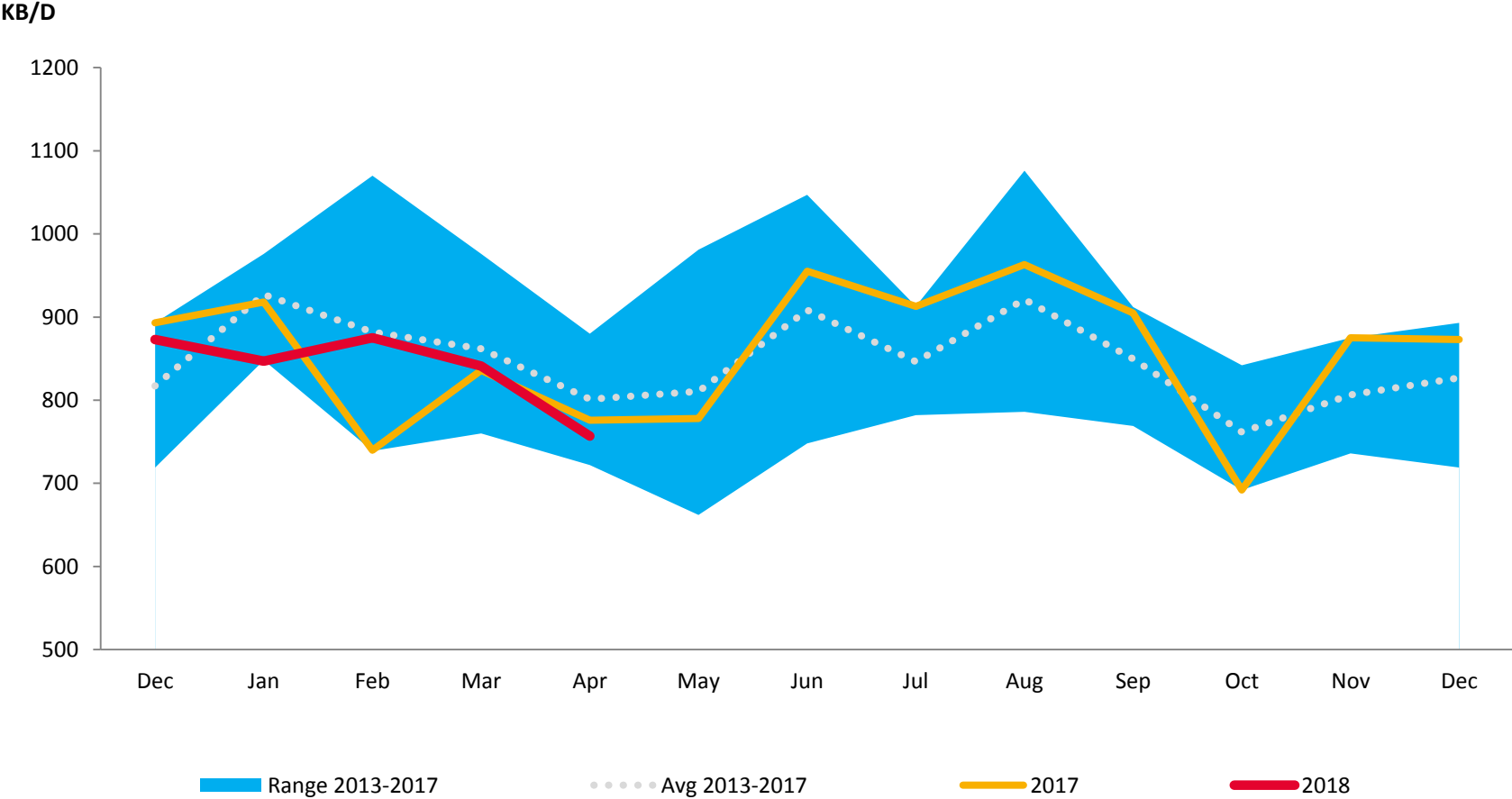
# Russia registered record highest y-o-y level in April



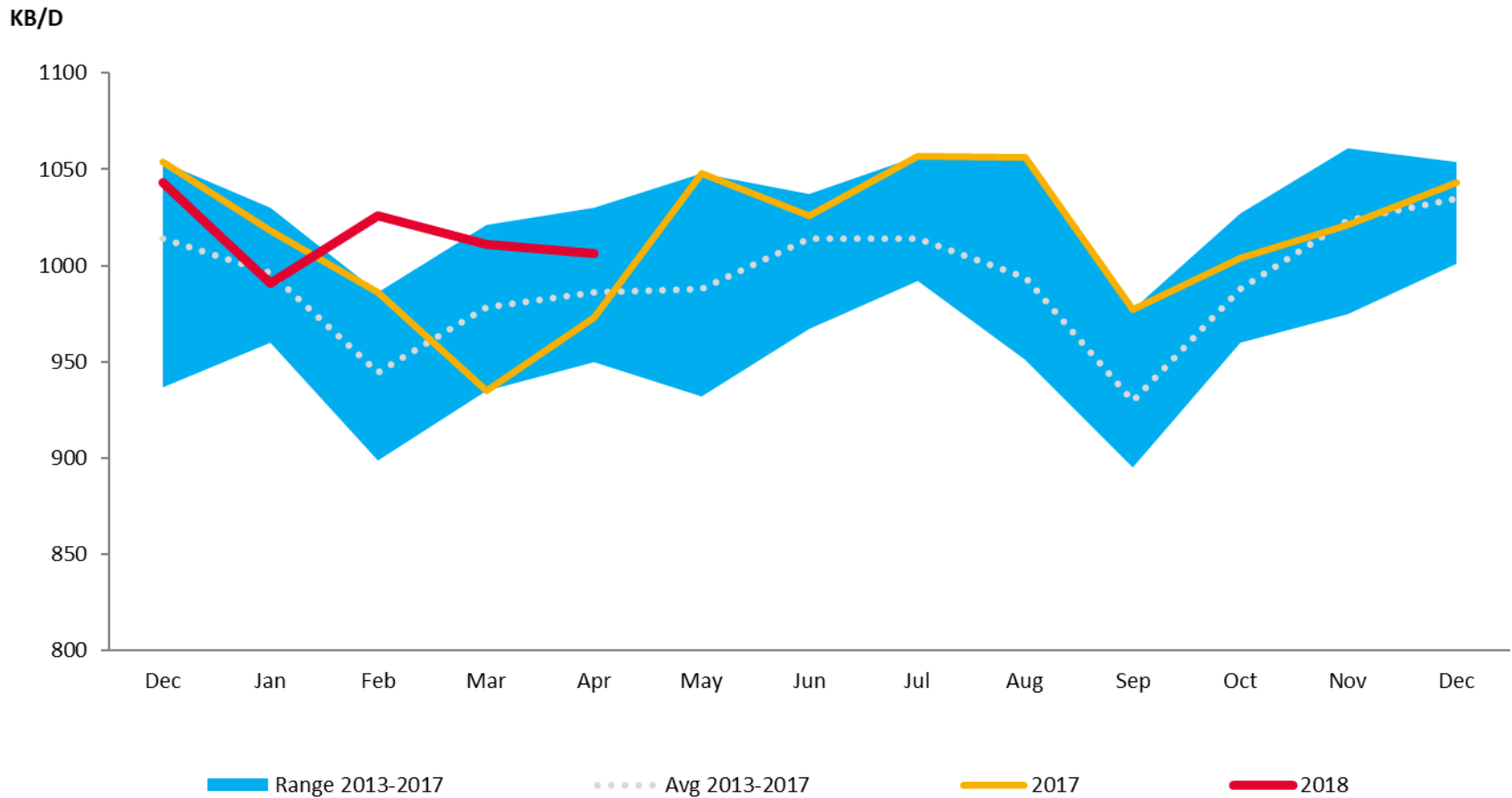
# Relatively high Russian crude oil refinery intake



# Chinese Taipei crude oil imports at slightly below the 5-year average

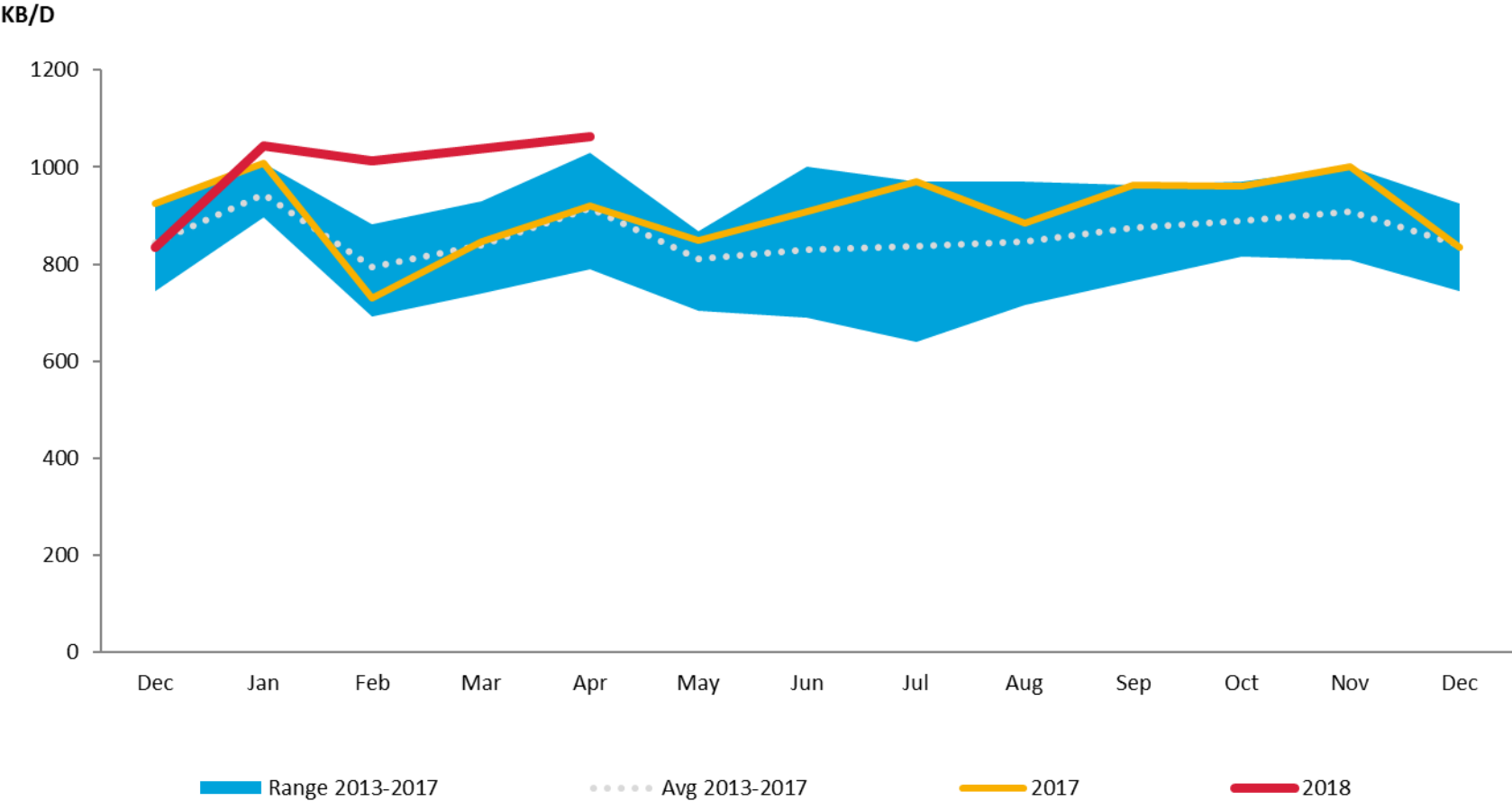


# Chinese Taipei oil products demand with seasonal pattern

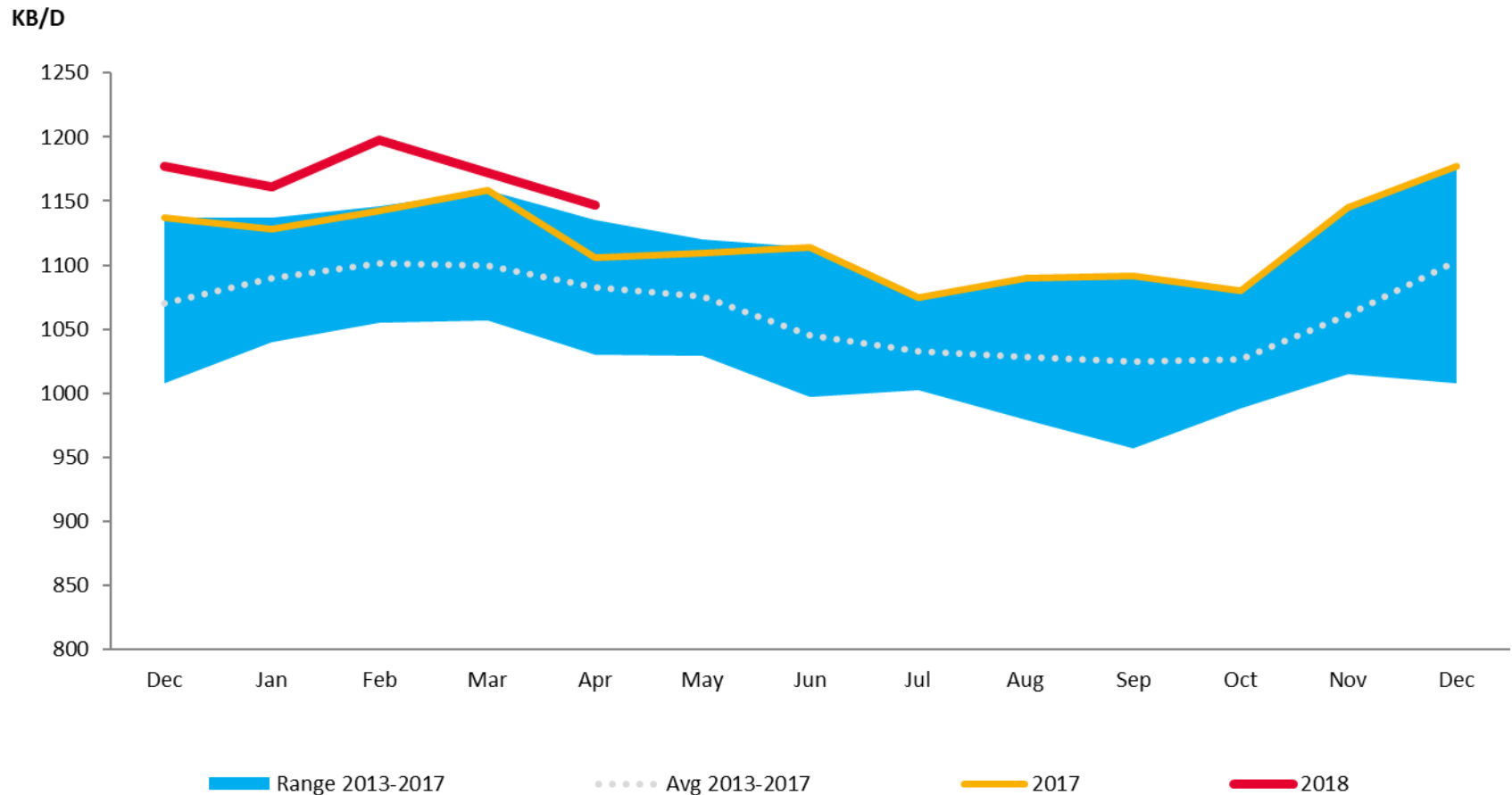




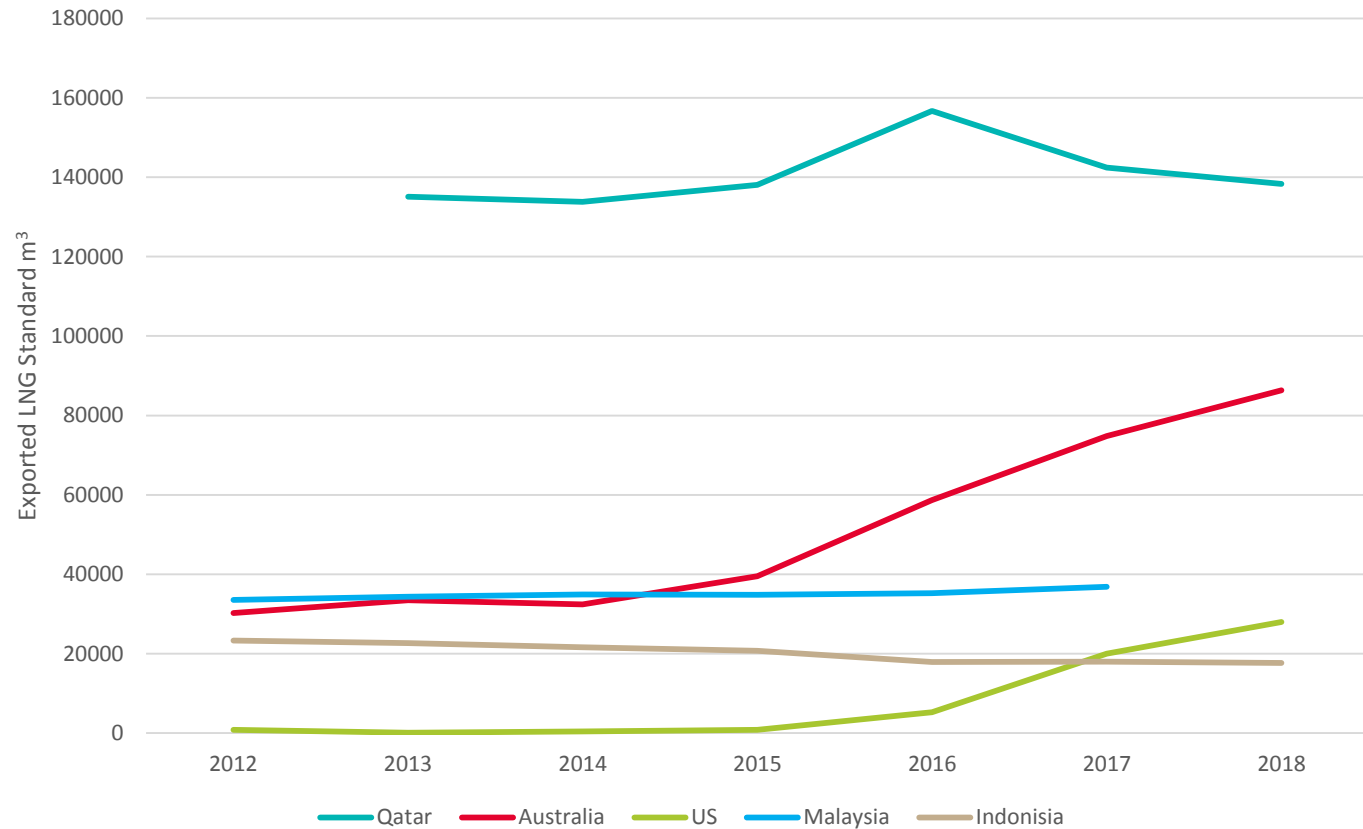
# Thai crude oil imports at the highest level



# Thai oil products demand also at the highest level



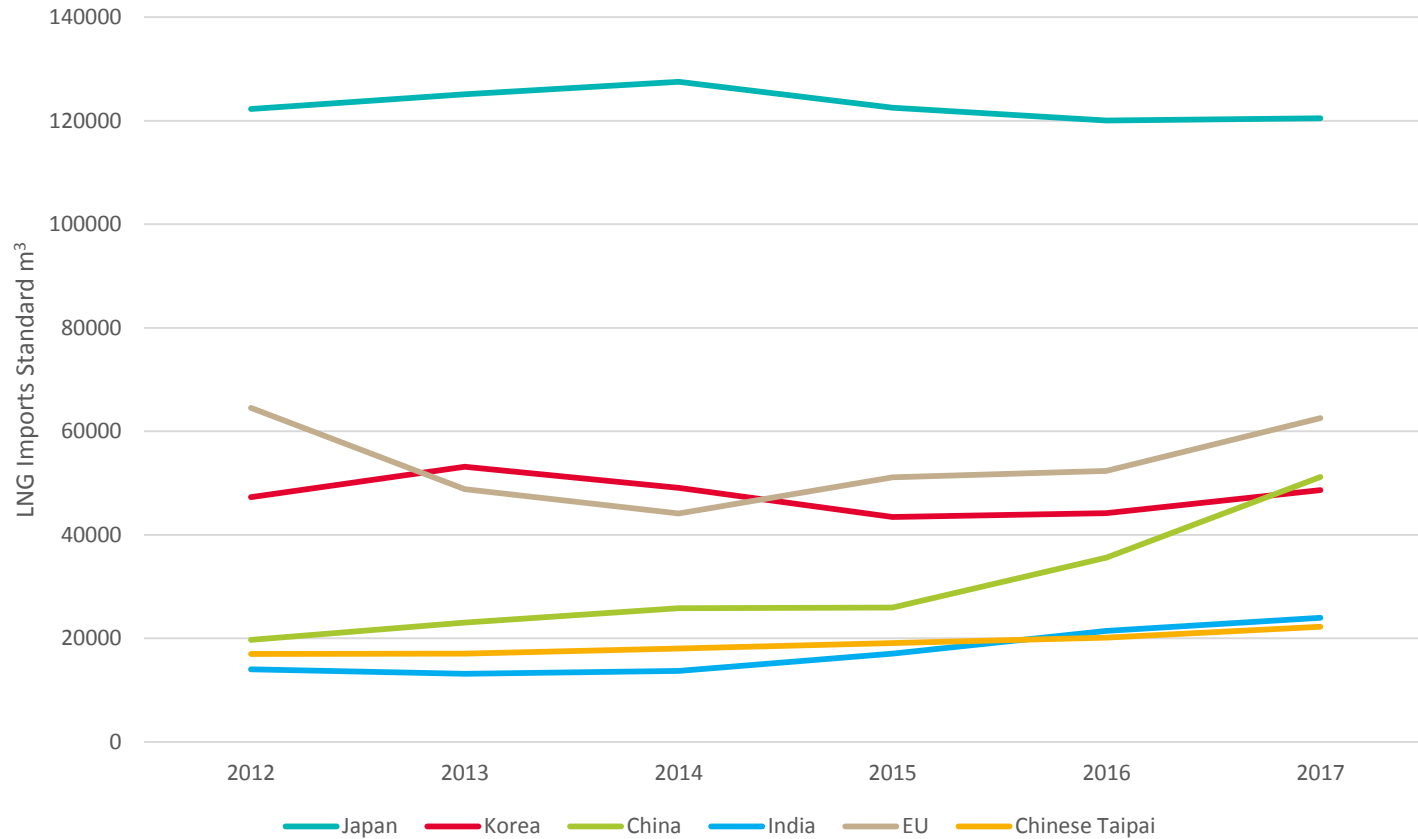
# Export Trends



\*Presented in monthly average and 2018 data are average up to April

Source: JODI

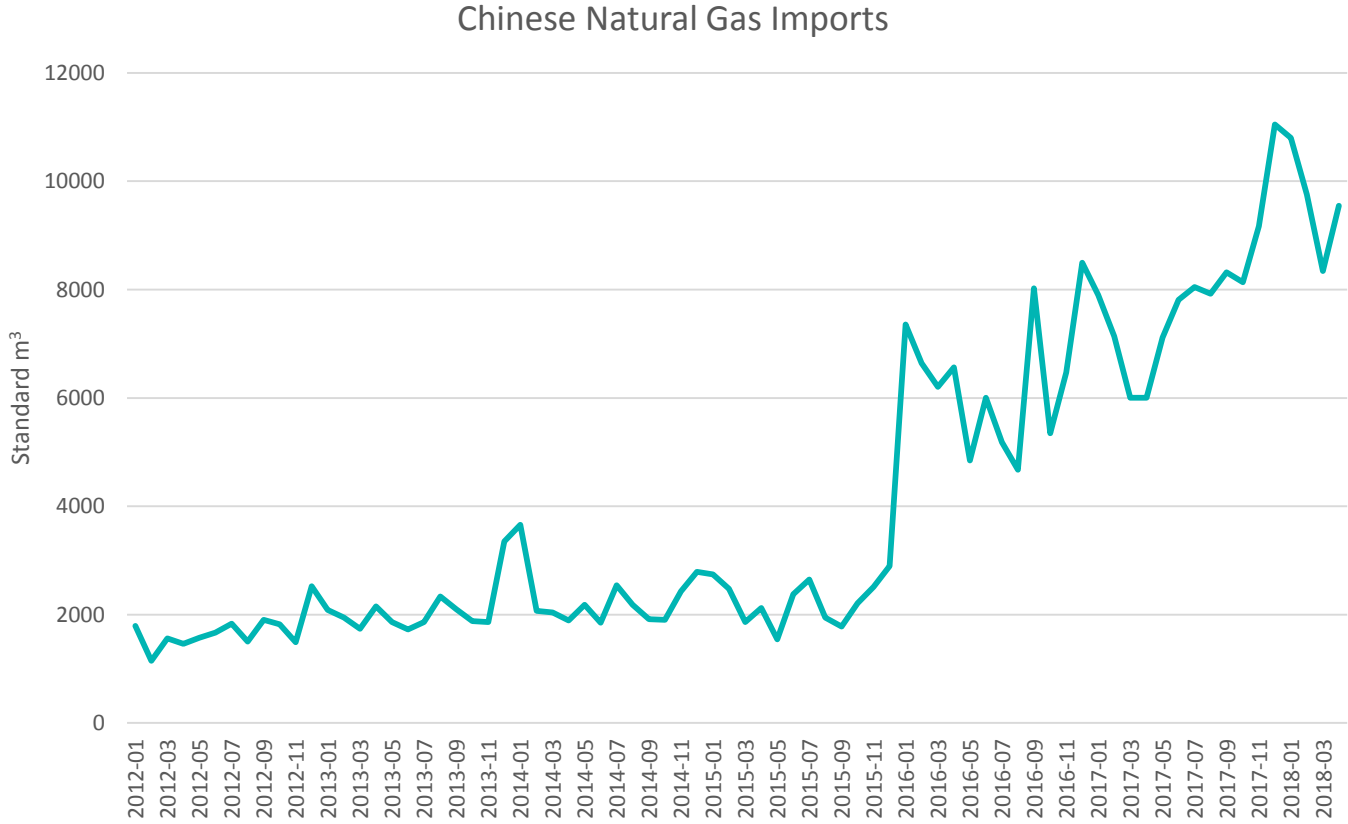
# Import Trends



\*Presented in monthly average

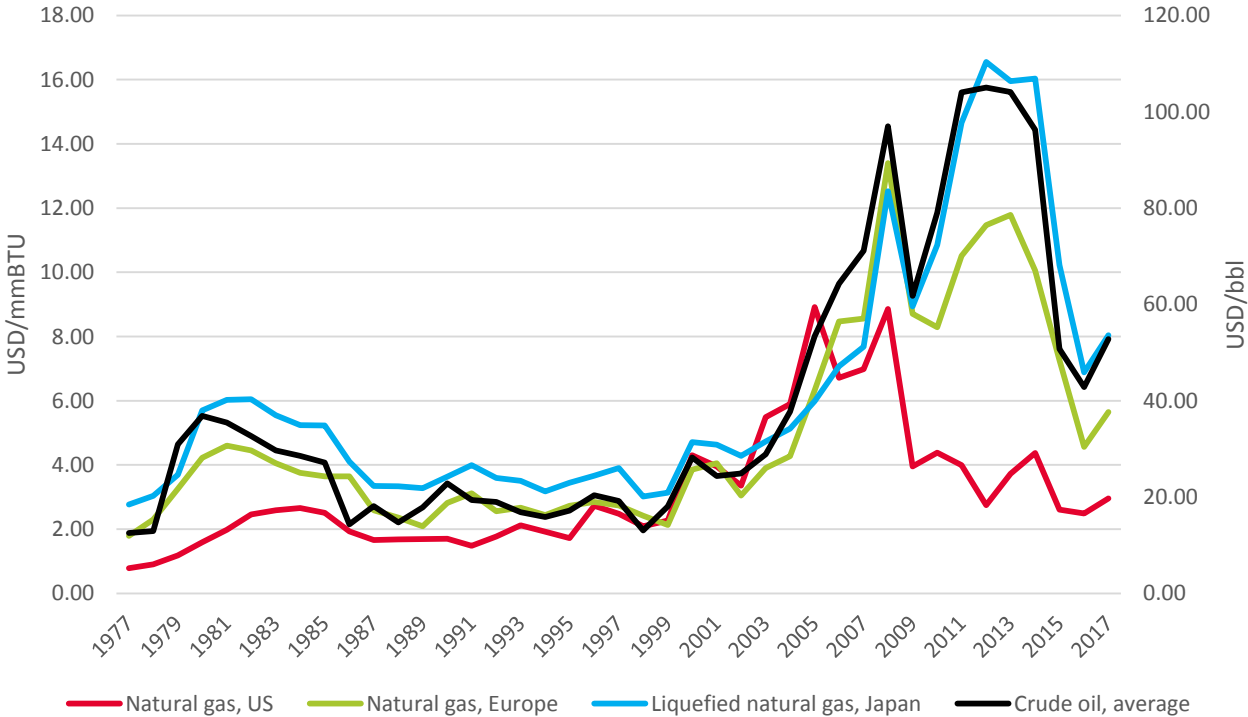
Source: JODI & IEA

# Chinese demand is Growing



Source: JODI Monthly Data

# Accurate data is source of stability and opportunity



Source: World Bank, Commodities Prices, Pink Sheets

# Content

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# Feedbacks from leaders

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“ IEF16 ministers supported efforts to improve energy data transparency beyond the current data collection framework by increasing visibility and accessibility of other available data such as coal on the JODI Website. Encouraging JODI partner organisations to assess the feasibility of extending the current coverage to other flows, ” **16<sup>th</sup> International Energy Forum Ministerial Meeting Concluding Statement by Host Country, April 2018, India**

“to assess feasibility of extending JODI coverage to LNG trade flows and others as appropriate.” **Meeting of Heads of JODI Partner Organizations, April 2018, India**

“ We recognise the key role that natural gas currently plays for many G20 countries, and its potential to expand significantly over the coming decades, supporting transitions towards lower emission energy systems. We will endeavour to improve the functioning, transparency and competitiveness of gas markets...including Liquefied Natural Gas (LNG) and storage facilities - at a global level.” **G20 Energy Ministers Communiqué, June 2018, Argentina**



# Feedback from JODI Partners

Member organisation	Collection of LNG Trade Data by Origin & Destination	Monthly	Annually	All of the organisation covered	Opportunities for improvement	Other comments
APEC	Y	Y	Y	Lacks some data on origin outside the organisation	China, Malaysia, PNG & Thailand are omitted	Can deliver with some patching JODI Questionnaire with extension
Eurostat	Y	Y	Y	Y	-	Technically data are available MOS questionnaire
GECF	N	N	N	-	we will follow up how GECF countries can organize and accommodate that request	"theoretically it should not be complicated" GECF governing board agreed to extend the data coverage.
IEA	Y	Y	Y	Y	-	Technically data are available MOS Questionnaire
OLADE	N	N	Y	N	Some annual data is submitted but improvements can be made in granularity of LNG imports/exports by origin/destination	Monthly data would require a new data request. Would likely contain exceptions
OPEC	Y	N	Y	-	-	Trade origins data shown regionally. Publications of collected data will require permission
UNSD	N	N	N	N	Possibility of perusing separation between pipeline and LNG gas in Yearbook data	This organisation collects for JODI only Year book contains annual data only there may be difficulties in attaining detail.

# Improving Coal Data Resource Visibility

The screenshot shows the Jodi Energy Data Transparency Portal. At the top left is the Jodi logo. To its right are icons for a water drop, a leaf, a speech bubble, a grid, and a magnifying glass. Below these is a dark navigation bar with links: About JODI, Capacity Building, JODI Oil, JODI Gas, JODI Mineral, News & Events, Resources, and Contact. The main content area features the 'Energy Data Transparency Portal' logo and a welcome message. Below this are three main categories: Primary Coal, Secondary Products, and Coal Type Products. Under Primary Coal are links for Anthracite, Indigenous production, and Coking coal. Under Secondary Products is a link for Lignite. Under Coal Type Products is a link for Other bituminous coal. At the bottom, there are social media icons (Facebook, LinkedIn, Twitter, Google+, YouTube) and a link to 'Join the JODI RSS Feed'. The footer contains logos for APPEC, Eurostat, GECF, IEF, and Olade, along with the text 'Joint Organisations Data Initiative (JODI)' and 'Site Map | Privacy Statement | © Copyright JODI 2014'.

# Improving Coal Data Resource Visibility

The screenshot shows the Jodi Energy Data Transparency Portal. At the top, the Jodi logo is on the left, and a navigation bar contains icons for water, fire, speech, grid, and search. Below the navigation bar, there are dropdown menus for 'About JODI', 'Capacity Building', 'JODI Oil', 'JODI Gas', 'JODI Inputs', 'News & Events', 'Resources', and 'Contact'. The main content area features the 'Energy Data Transparency Portal' logo and a welcome message. Three large colored boxes represent 'Primary Coal' (teal), 'Secondary Products' (purple), and 'Coal Type Products' (grey). Below these, a teal box labeled 'Anthracite' has an 'X' icon. Further down, there are several smaller boxes: 'Supply', 'MEMO ITEM: From other sources', 'TRANSFORMATION SECTOR', 'ENERGY SECTOR INDUSTRY OWN USE AND FINAL CONSUMPTION', and 'ENERGY END USE SPECIFICATION'. The footer includes social media icons (Facebook, LinkedIn, Twitter, Google+, YouTube), an RSS feed link, and logos for partner organizations: APEC Energy Research Group, eurostat, GECF, IEE, IEF, olade, and the United Nations. At the very bottom, it reads 'Joint Organisations Data Initiative (JODI)', 'Site Map', 'Privacy Statement', and '© Copyright JODI 2014'.

# Improving Coal Data Resource Visibility

**Jodi**

[About JODI](#) | 
 [Capacity Building](#) | 
 [JODI Oil](#) | 
 [JODI Gas](#) | 
 [JODI Inland](#) | 
 [News & Events](#) | 
 [Resources](#) | 
 [Contact](#)

**Energy Data Transparency Portal**

Welcome to the JODI Energy Portal. More text, here as an example of placeholder text. Welcome to the JODI Energy Portal and exploration. More text, here as an example of placeholder text. Welcome to the JODI Energy Portal. More text, here as an example of placeholder text. Welcome to the JODI Energy Portal. More text, here as an example of placeholder text. Email: [help@jodis.org](mailto:help@jodis.org)

- Primary Coal
- Secondary Products
- Coal Type Products

[Anthracite](#) ×

[Supply](#) ×

- Indigenous production
- From other sources
- Exports by destination
- Stock level
- Underground production
- Total imports (Balance)
- International marine bunkers
- Unused
- Surface production
- Imports by origin
- Stock changes (National territory)
- Inland consumption (Calculated)

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# Looking ahead

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- 1. Focus future JODI activities based on the Action Plan**
- 2. Notably JODI Partners work toward extension of LNG trade data to its origin and destination**
- 3. JODI Partners agreed to improve available coal data resource and its visibility**
- 4. Update the Plan with the progress made to year 2020**
- 5. Elaborate a new plan beyond 2020**



[www.jodidata.org](http://www.jodidata.org)

