The JODI 5-Year Action Plan
– In Support of Transition

Paul Bailey, Deputy Director, Head of Strategic and International Analysis
Department for Business, Energy & Industrial Strategy
Outline

1. Why better oil & gas data (still) matters
2. How JODI can help inform policy
3. Where should action be focused?
1. Why better oil & gas data (still) matters

Oil & gas account for around 50% of global demand and will remain key through the clean energy transition.

**Oil & Gas share of world primary energy demand by IEA scenario**

Source: IEA World Energy Outlook 2016
1. Why better oil & gas data (still) matters

Oil and gas remain key for the UK’s energy mix... ...and UK oil and gas production is maturing

**UK Primary Energy Demand, 2016**

- Oil: 38%
- Gas: 38%
- Coal: 6%
- Bioenergy & waste: 7%
- Primary electricity: 1%
- Other: 1%

Source: BEIS, Digest of UK Energy Statistics 2017

**UK oil and gas production (Mtoe)**

Source: Oil & Gas Authority
1. Why better oil & gas data (still) matters

Gas prices are a key driver of UK energy bills...

...and energy & transport fuel costs are important components of expenditure and inflation

Source: Ofgem, August 2017

Source: ONS, Family Spending in the UK
1. Why better oil & gas data (still) matters

The importance for UK energy security and affordability is reflected in media and political attention…
2. How JODI can help inform policy

Example 1: JODI provides data on trends in **global** oil stocks, not just OECD

![Cumulative change in crude stocks since May 2016](image)

Source: JODI Oil World Database
2. How JODI can help inform policy

Example 2: As global **LNG trade** expands, JODI can help provide a more complete picture.

### Share of LNG in global long-distance gas trade

- **2000**: 525 bcm (LNG 20%)
- **2014**: 685 bcm (Pipeline 42%)
- **2040**: 1,150 bcm (Pipeline 53%)

### UK imports of gas by source

- **Liquefied Natural Gas**
- **Norway (by pipe)**
- **Netherlands**
- **Interconnector via Belgium**

Source: IEA World Energy Outlook 2016

Source: BEIS, Digest of UK Energy Statistics 2017
3. Where should action be focused?

1. Coverage of data

2. Timeliness

3. Brand awareness
Thank you