

11th Regional JODI Training Workshop

March 2015 Vienna Austria

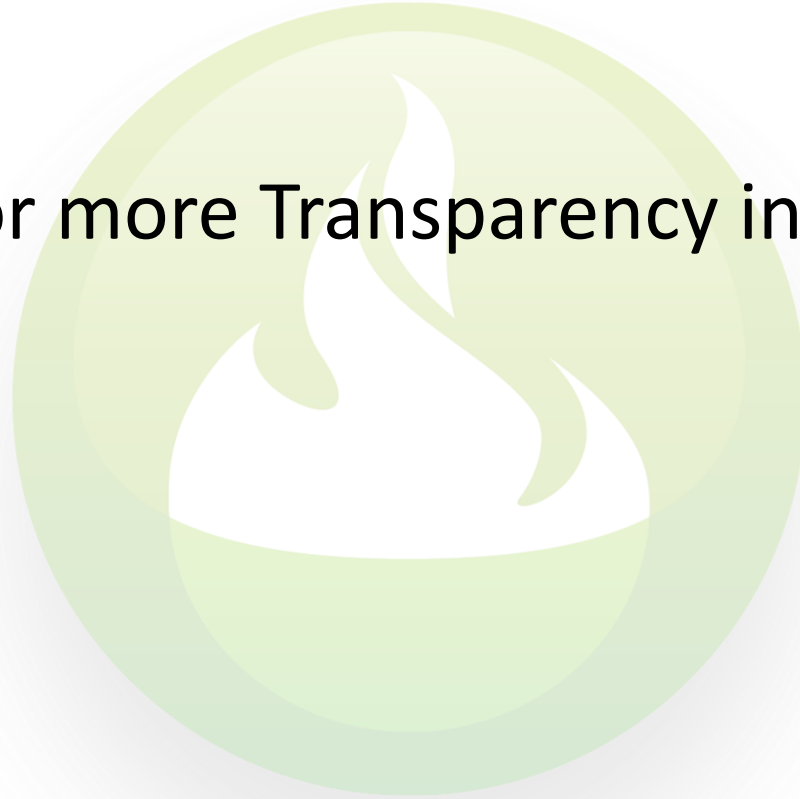
Extending JODI to Natural Gas (JODI Gas)

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International Energy Forum



Why JODI Gas?

- The need for more Transparency in the Gas Market.

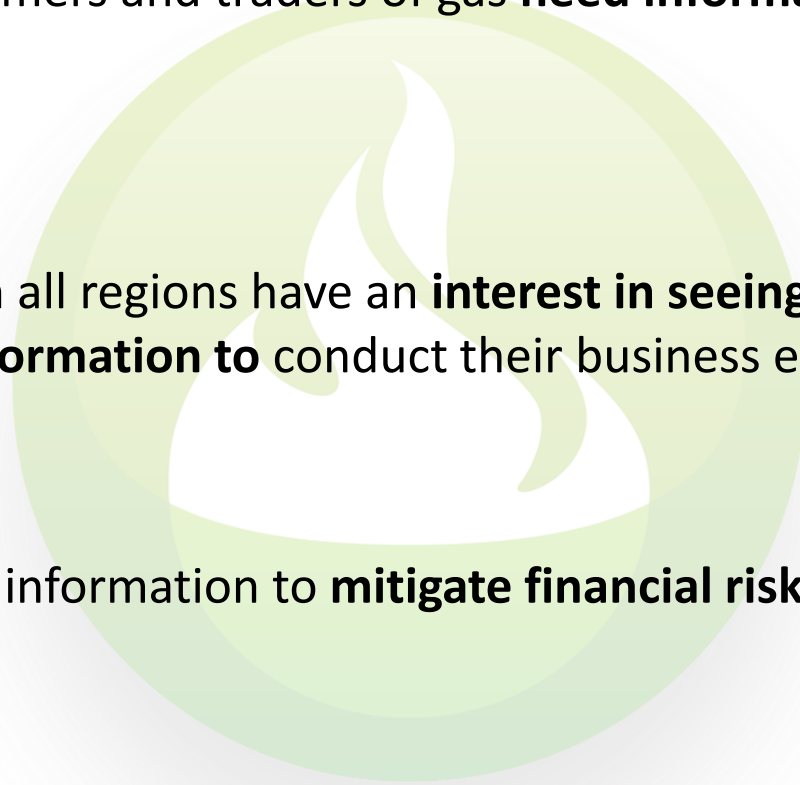


Recent Changes in Gas Market

1. Increasing **globalization** of the natural gas business. (Markets are influenced by changes in supply and demand globally, as well as locally.)
2. Greater potential for **interconnections** between regional markets.
3. The increase in **shale gas** sources has reduced imports of LNG in the US.
4. LNG producers now **focus on Asian region**. (Natural gas prices trading higher in Asia due to increased demand as a consequence of the Fukushima tragedy and linkage of natural gas prices with oil and products prices.)

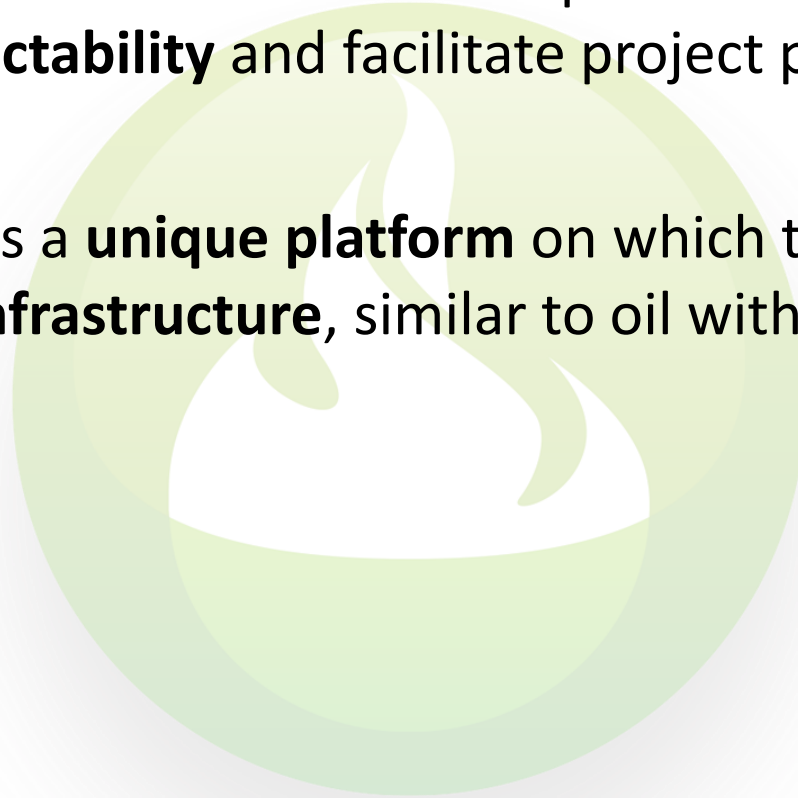
The Need for more Transparency

- Producers, consumers and traders of gas **need information on conditions globally.**
- Market players in all regions have an **interest in seeing an improvement in the quality of information to** conduct their business efficiently.
- Companies need information to **mitigate financial risks** to their activities.



The need for a JODI gas Database

- Implementation of JODI-Gas will help **reduce uncertainty, improve predictability** and facilitate project planning.
- JODI-Gas offers a **unique platform** on which to build an **information infrastructure**, similar to oil with JODI-Oil.



Calls by IEF Ministers

- **2006:** IEF Ministers called to extend JODI to other sources of energy goes in the **10th IEF Ministerial** held in Doha.



Calls by IEF Ministers

- **2008:** Explicit reference to natural gas was made at the 11th IEF Ministerial in Rome and the **Extraordinary Energy Ministerial** Meetings of Jeddah and London, asking the IEF to collaborate with other relevant international organizations.



Calls by IEF Ministers

- **2010:** JODI-Gas supported at the **12th IEF Ministerial** in Mexico.



Calls by IEF Ministers

- **2012:** JODI-Gas again received strong support from Energy Ministers at the **13th IEF Ministerial** in Kuwait.



Calls by G20 to Launch JODI-Gas

- **2009:** Heads of State at the **G20 Summit in Pittsburgh** (Sept 2009) asked to start work on JODI Gas similar to JODI Oil.
- **2011:** A joint (OPEC-IEF-IEA) report to the **G20 Cannes** meeting in 2011, called for improvement in the quality of information to improve market transparency.
- **2011 & 2012:** **G20 Cannes Summit Declaration 2011, Mexico 2012** requested Joint Organizations Data Initiative (JODI) extension to natural gas.



Second Semester Agenda

Finance Track

July 2012

Calls by G20 to Launch JODI-Gas

- **2013:** Update on JODI-Gas presented to G20 Ministers of Finance and Central Bank Governors on October 2013 Called for Launching JODI-Gas.



Calls by G20 to Launch JODI-Gas

- **2013 & 2014** : G20 Summits: *“We look forward to the launch of JODI-Gas at the earliest date possible”.*



The G20 has consistently reinforced that commitment

“

"To promote market transparency and efficiency, we commit to strengthen Joint Organizations Data Initiative (JODI)-Oil by ensuring greater visibility, more complete and comprehensive data, enhanced access and improved availability, and by maintaining support for capacity building. We look forward to the launch of JODI-Gas at earliest date possible"

”

the G20 Leaders' Declaration in September 2013

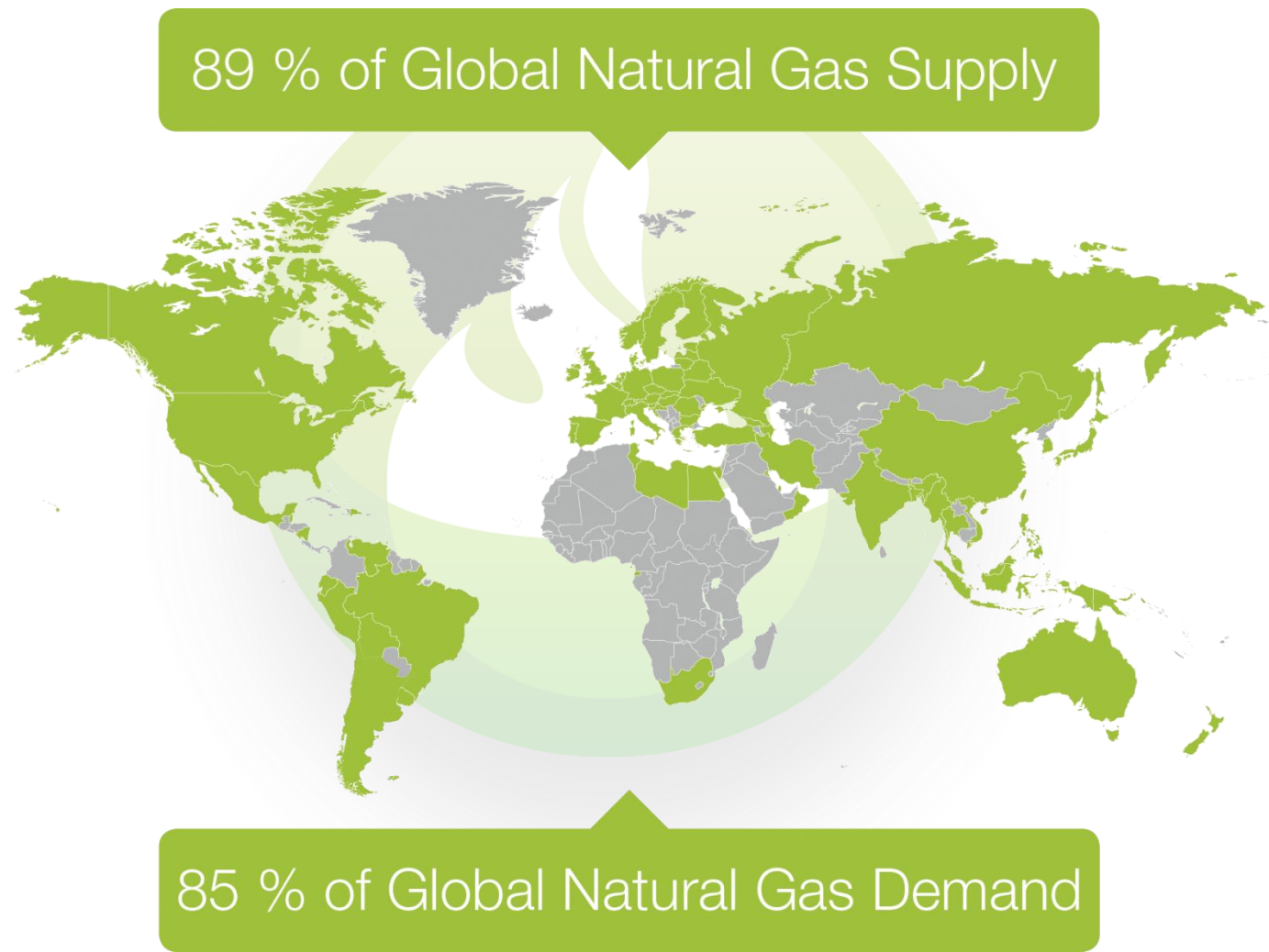
Shared Progress in Expanding JODI to Cover Gas

- ✓ JODI-Gas Exercise launched Oct 2009
- ✓ Support for JODI-Gas reaffirmed at the 13th IEF Ministerial Mar 2012
- ✓ JODI-Gas Exercise becomes a permanent reporting initiative Oct 2012
- ✓ **52 countries** (~2/3 of demand & supply) submitting gas data Nov 2012
- ✓ Launch of JODI-Gas beta version for the **66 countries** Jan 2013
- ✓ Finalize JODI-Gas Manual (led by UN Statistics Division) May 2013
- ✓ Third Gas Data Transparency Conference in Indonesia Jun 2013
- ✓ 8th Regional JODI Training Workshop Featuring JODI-Gas Oct 2013
- ✓ 9th Regional JODI Training Workshop Featuring JODI-Gas Feb 2014
- ✓ Public launch of JODI-Gas with Data from **77 Countries** May 2014

The Launch of JODI-Gas: May 2014

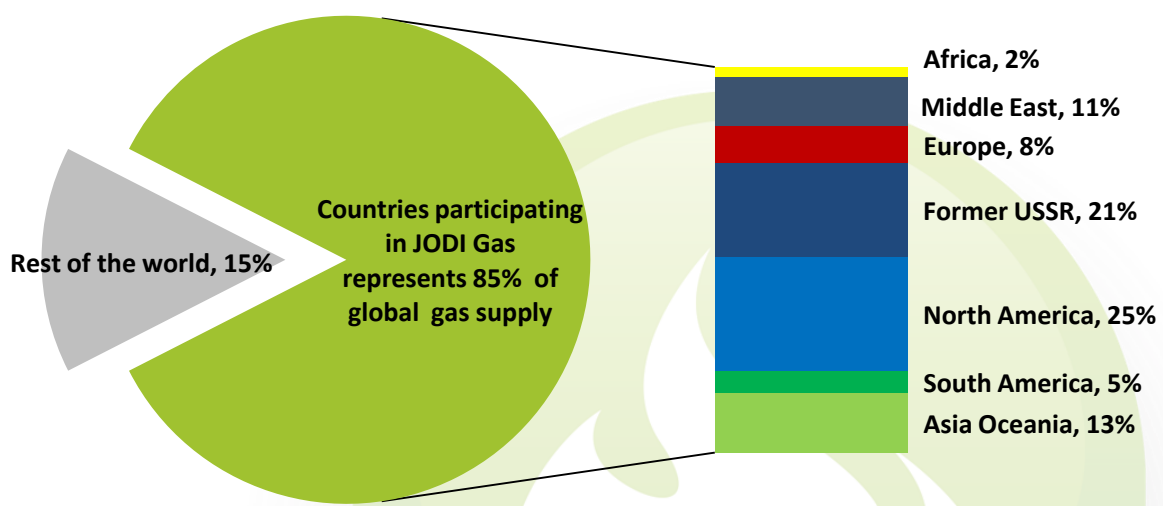


77 countries* has participated in JODI-Gas representing **around 90%** of global natural gas supply demand



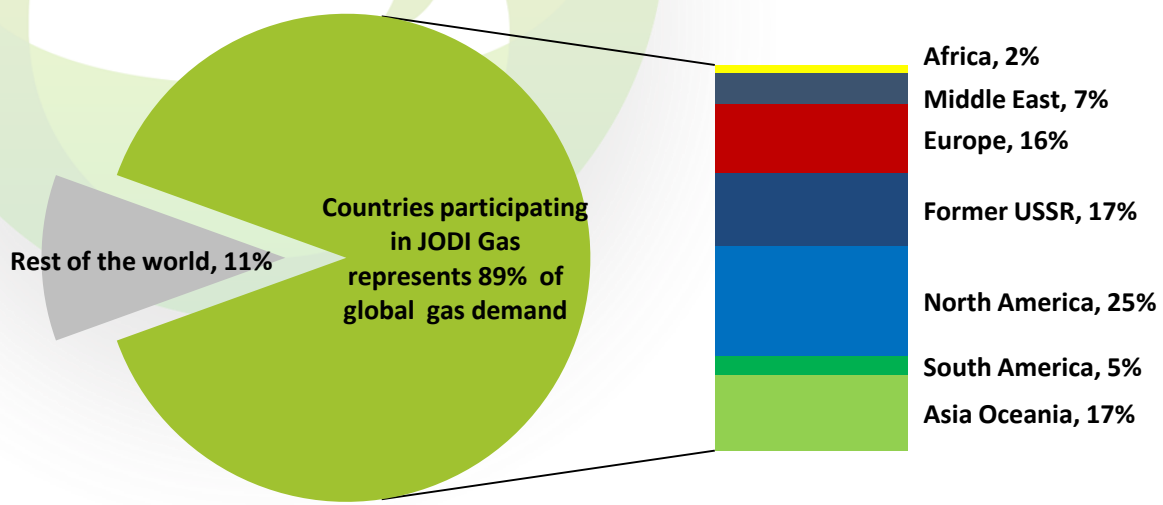
* Number of countries who have reported to JODI-Gas at least once for a data submission month between January 2009 and January 2014

countries participate in JODI-Gas: **by region**



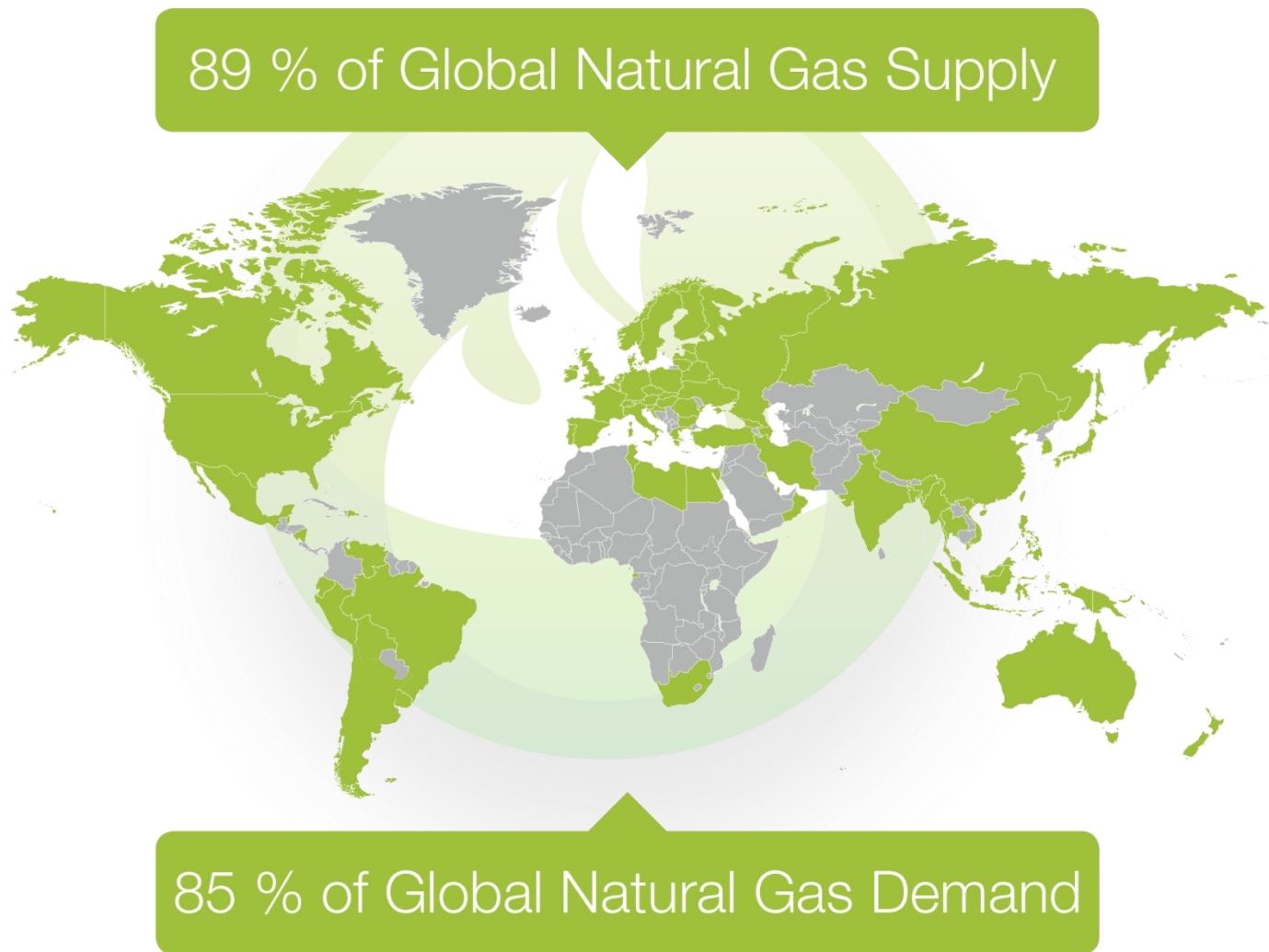
Production

Consumption



Based on 2011 data
Source: IEA World Energy Balance 2013, JODI - IEF

A Need for more countries to participate in JODI-Gas: Energy Community Matter



Film: History of JODI & Launching JODI-Gas

<https://www.jodidata.org/news/official-launch-of-the-jodi-gas-world-database>

<https://www.youtube.com/watch?v=tEMeYelru-c>

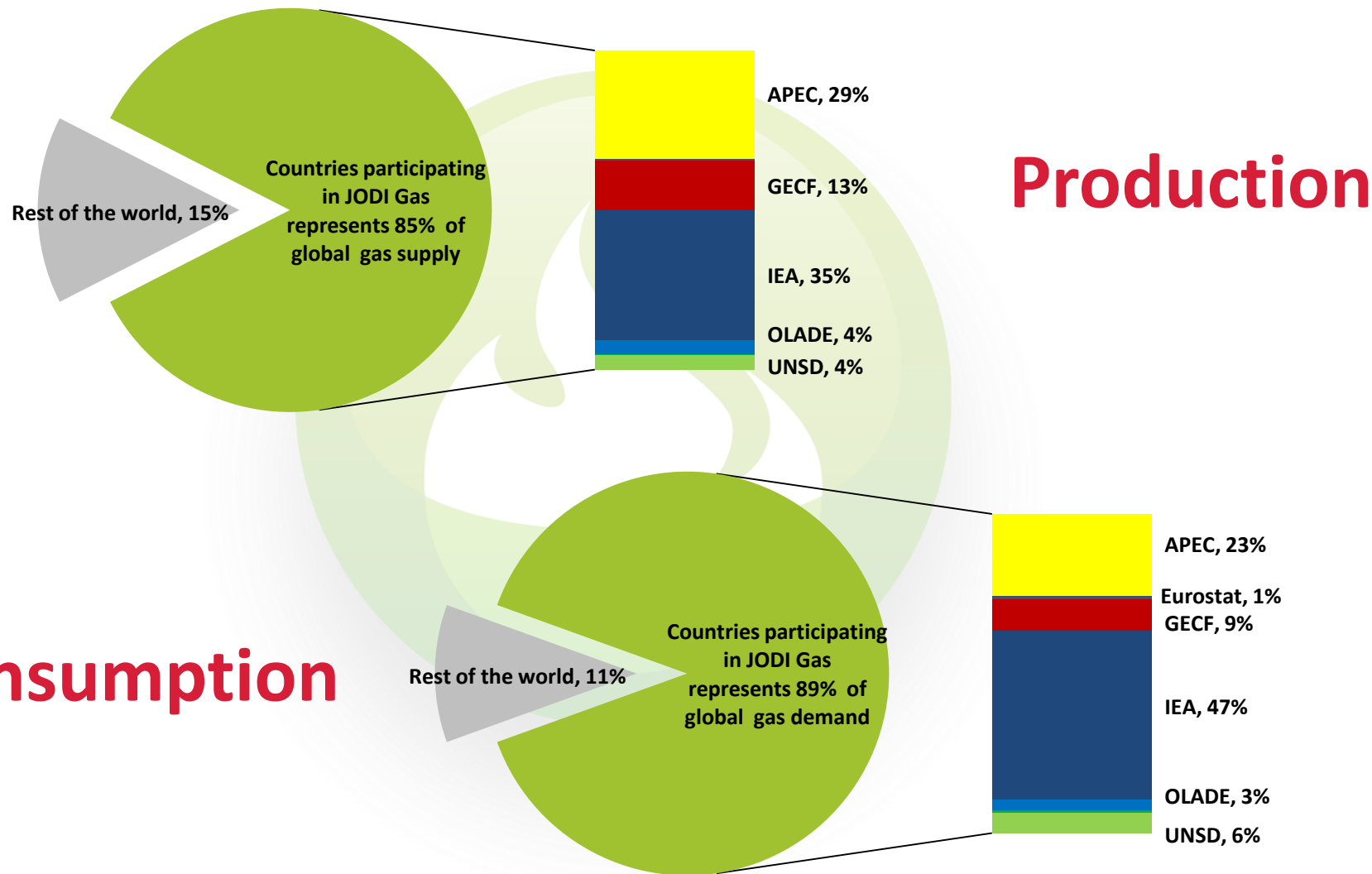
Note: On 16 May 2014 at the 14th International Energy Forum Ministerial Meeting, the Partners of the the Joint Organisations Data Initiative (JODI) launched the JODI natural gas database (JODI-Gas) to the public



Thank You

Back-up Slides

countries participate in JODI-Gas: **by organisation**



Based on 2011 data

Source: IEA World Energy Balance 2012, JODI - IEF

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Timeline for Launching JODI-Gas

2009

- Ministers called for the extension of JODI to other fuels
- The JODI-Gas exercise was launched.

2012

- Support reaffirmed at IEF Ministerial in Kuwait.
- countries participating from 52 to 66 countries.
- Exercise to an Initiative.
- Launch beta version.

2013/2014

- Finalise JODI-Gas Manual.
- JODI-Gas training.
- Data Assessment
- **Increase countries to 77**
- **Launch ed JODI-Gas.**

Major Milestones Accomplished

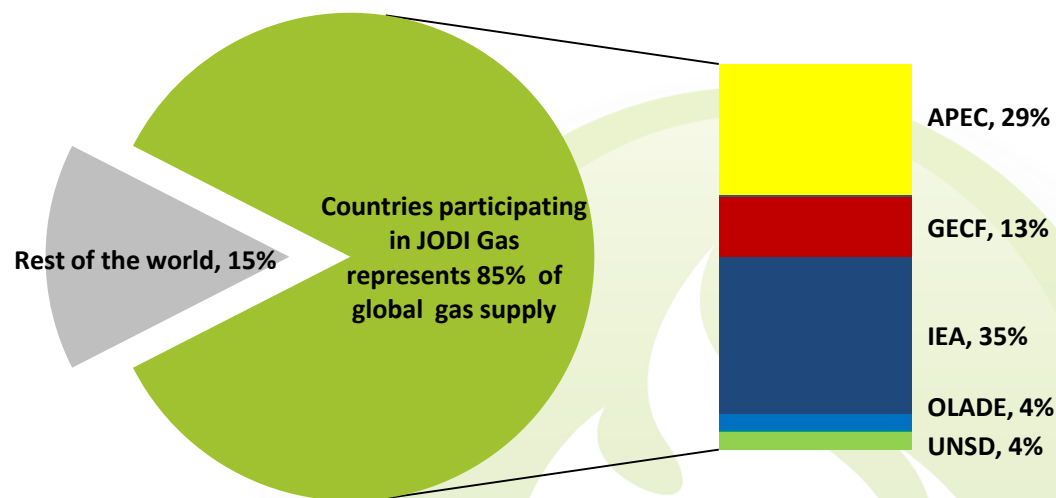
- **2009-Data Exercise started:** JODI partner organizations conducted a gas data collection exercise to assess MC's abilities on a monthly basis since 2009 .
- **2010 JODI-Gas Conferences:** *discuss necessary conditions for establishing a monthly gas data collection mechanism at the global level :*
 - The first Gas Data Transparency Conference was held in Moscow in 2010.
 - The second Gas Data Transparency Conference held in Doha, Qatar in 2012
 - The Third Gas Data Transparency Conference in Bali, Indonesia in 2013.
- **2013 Database Beta Testing:** JODI-Gas Database opened for beta-Testing January 2013
- **2013 JODI-Gas Manual and Training Workshops:**
 - JODI-Gas Manual Issued (February 2014)
 - 2 JODI-Gas Training workshops conducted: (KL, Oct 2013; Baku Feb 2014)
- **Countries Participations:** Currently, about 72 countries are participating in this initiative, accounting for about 85% of the global natural gas supply and gas demand.

77* Countries Participation in JODI-Gas

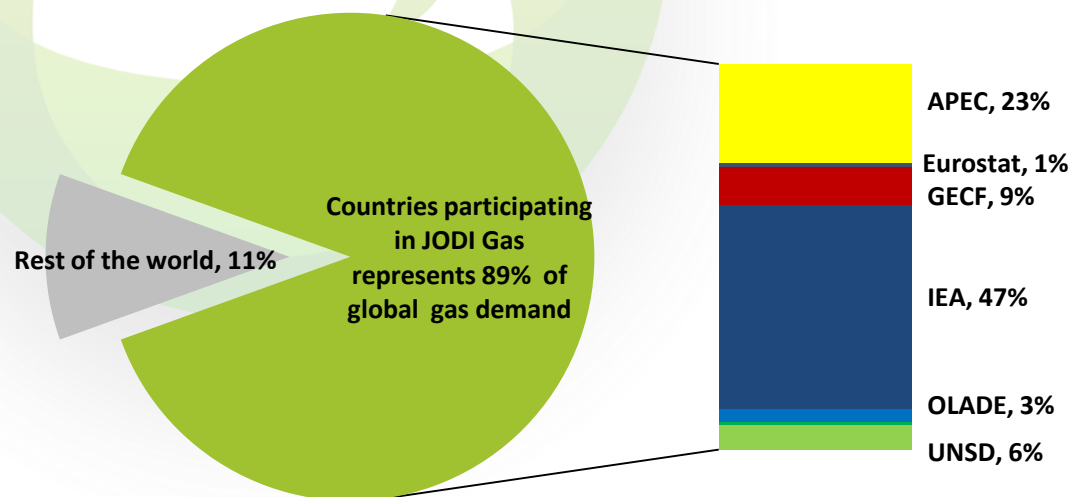
Eurostat: 5 countries		IEA: 32 countries		OLADE: 9 countries	
Bulgaria	Lithuania	Australia	Korea	Argentina	Dominican Rep.
Croatia	Romania	Austria	Luxemburg	Barbados	Ecuador
Latvia		Belgium	Mexico	Belize	Trinidad & Tobago
APEC: 13 countries/economies		Canada	Netherlands	Bolivia	Uruguay
Brunei	Peru	Chile	New Zealand	Brazil	
China	Philippines	Czech Rep.	Norway	OPEC: 1 countries	
Chinese Taipei	Russia	Denmark	Poland	Kuwait	
Hong Kong	Singapore	Estonia	Portugal	UNSD: 10 countries	
Indonesia	Thailand	Finland	Slovakia	Azerbaijan	India
Malaysia	Vietnam	France	Slovenia	Bahrain	Myanmar
Papua New Guinea		Germany	Spain	Bangladesh	South Africa
GECF: 7 countries		Greece	Sweden	Belarus	Tunisia
Egypt	Oman	Hungary	Switzerland	Georgia	Ukraine
Equatorial Guinea	Qatar	Ireland	Turkey		
Iran	Venezuela	Italy	UK		
Libya		Japan	USA		

* Number of countries who have reported to JODI-Gas at least once for a data submission month between January 2009 and

77* countries participate in JODI-Gas: by organisation



Consumption

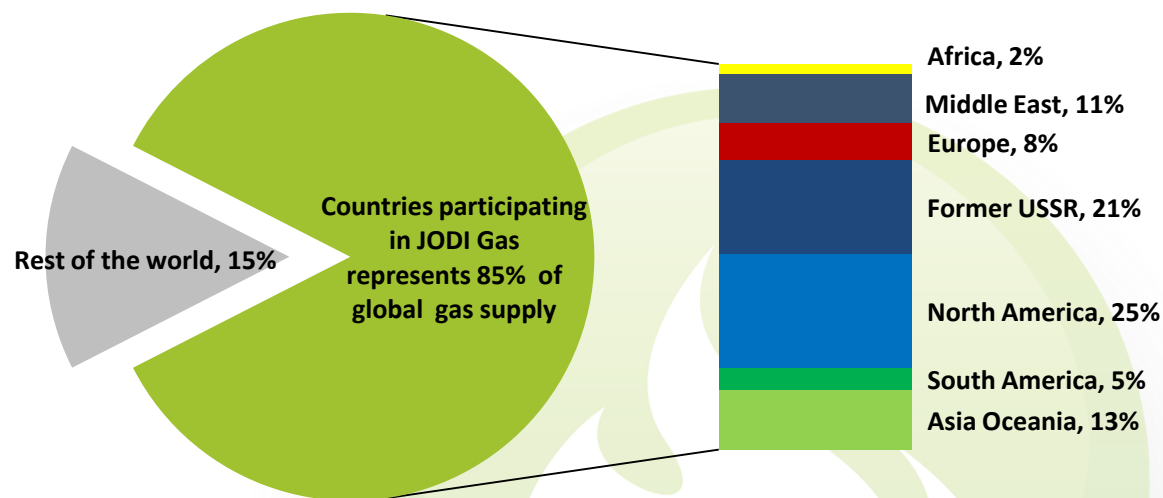


Based on 2011 data

Source: IEA World Energy Balance 2012, JODI - IEF

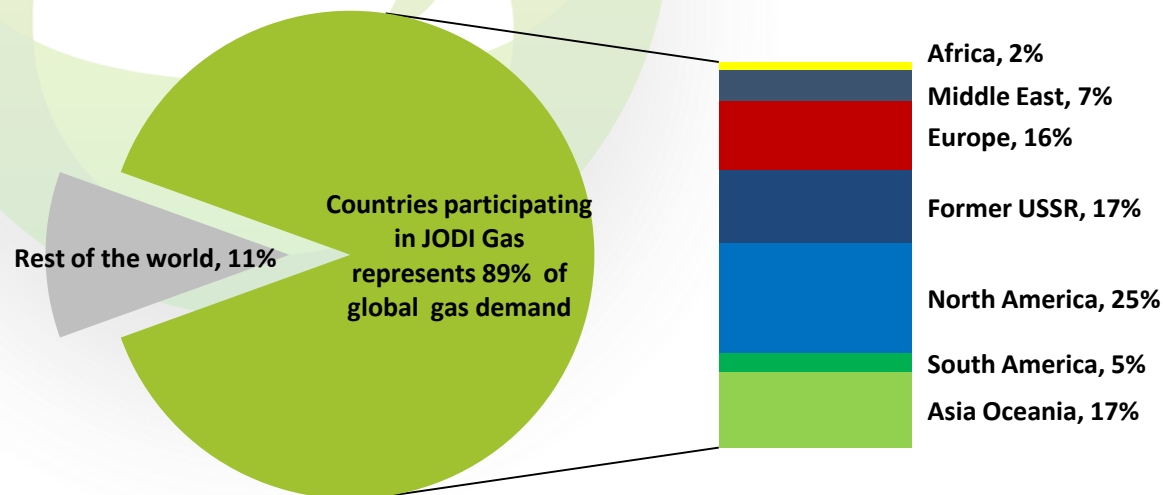
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77* countries participate in JODI-Gas: by region



Production

Consumption



Based on 2011 data

Source: IEA World Energy Balance 2012, JODI - IEF

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October 2014 update with data up to August 2014, JODI-Gas database covers

46

Countries/Economies meeting
the **M-1** reporting

&

54

Countries/Economies meeting
the **M-2** reporting

Thank You



IEF Secretariat in Riyadh

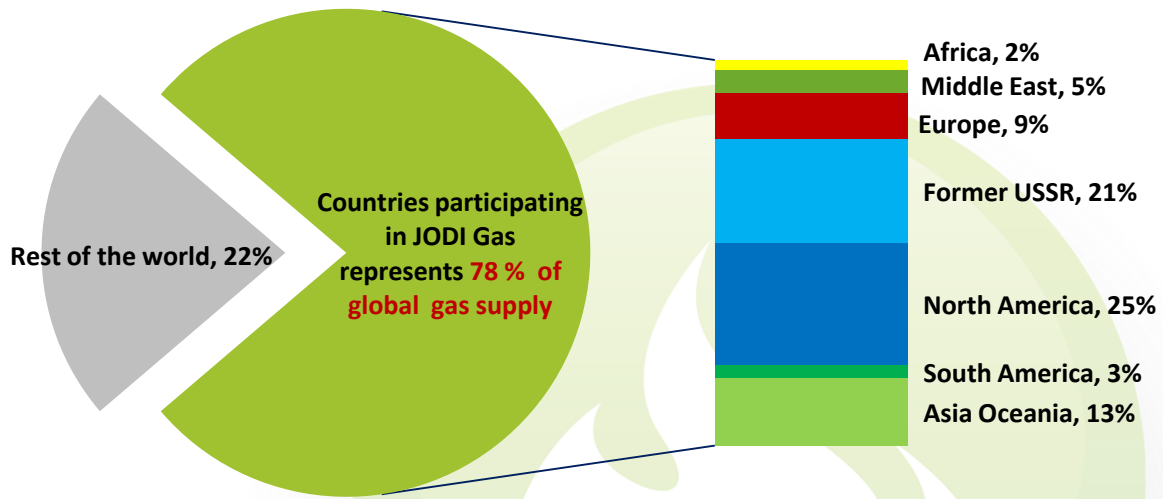
Back Up Slides



Now 77 Countries Participation in JODI-Gas

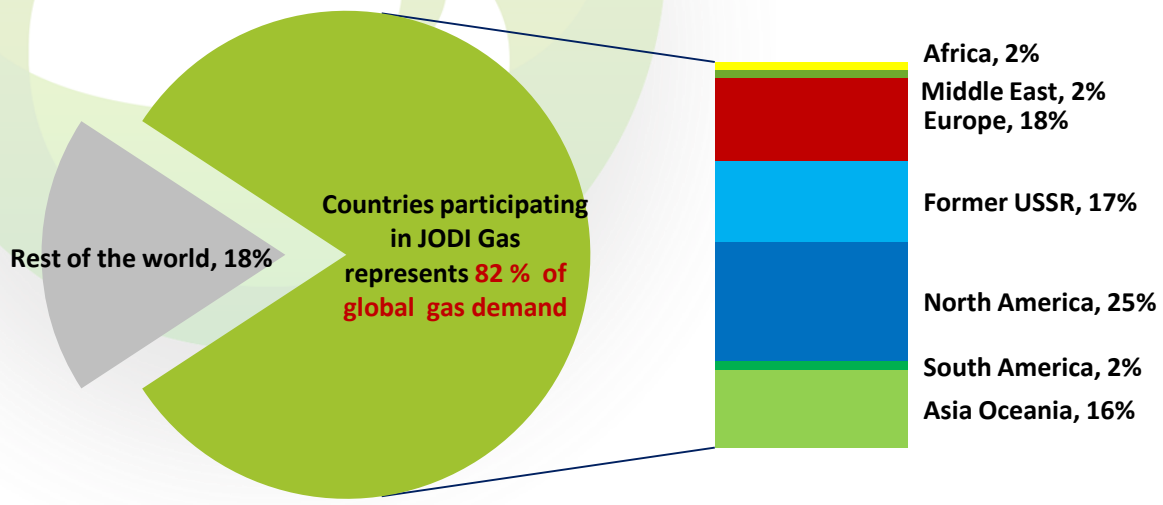
Eurostat: 5 countries		APEC: 12 countries/economies	
● Bulgaria	● Lithuania	● Brunei	● Peru
● Croatia	● Romania	● China	● Philippines
● Latvia		● Chinese Taipei	● Russia
IEA: 32 countries		● Hong Kong	● Thailand
● Australia	● Korea	● Indonesia	● Singapore
● Austria	● Luxemburg	● Malaysia	● Vietnam
● Belgium	● Mexico	OLADE: 9 countries	
● Canada	● Netherlands	● Barbados	● Ecuador
● Chile	● New Zealand	● Belize	● Dominican Rep.
● Czech Rep.	● Norway	● Bolivia	● Trinidad/Tobago
● Denmark	● Poland	● Brazil	● Uruguay
● Estonia	● Portugal		● Argentina
● Finland	● Slovakia	OPEC: 2 Countries	
● France	● Slovenia	● Kuwait	● Qatar
● Germany	● Spain	UNSD: 12 countries	
● Greece	● Sweden	● Azerbaijan	● India
● Hungary	● Switzerland	● Bahrain	● Myanmar
● Ireland	● Turkey	● Bangladesh	● Ukraine
● Italy	● UK	● Belarus	● South Africa
● Japan	● USA	● Egypt	● Tunisia
		● Georgia	● Morocco
		32	

Countries Participation in JODI-Gas: by region

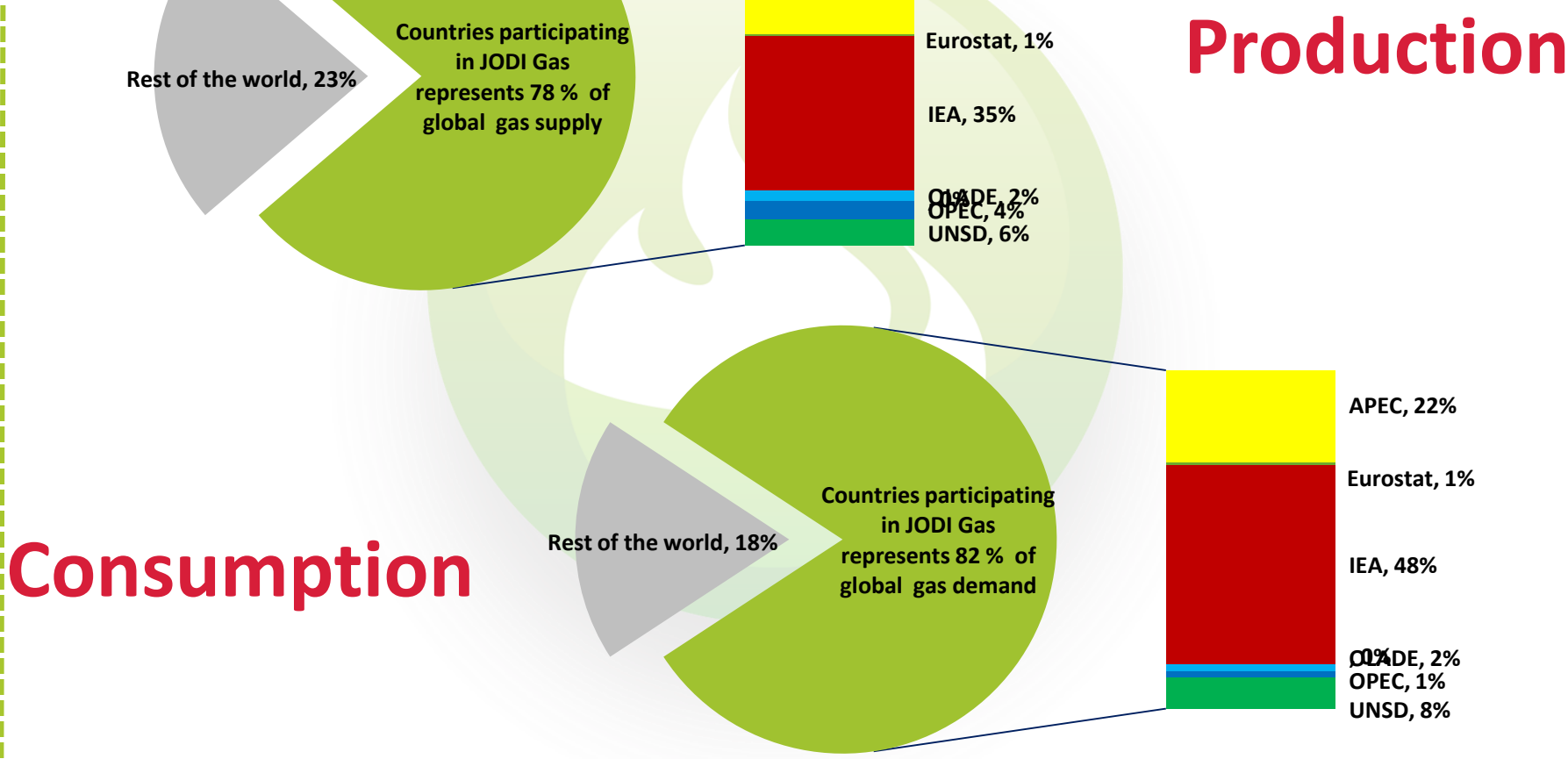


Production

Consumption



69 countries participate in JODI-Gas: by organisation



Letters were sent to 22 Countries on Feb 2013: 6 Countries removed from List since

- 
1. Algeria
 2. Angola
 - ~~3. Argentina~~
 - ~~4. Bahrain~~
 5. Colombia
 6. Cuba
 7. Gabon
 8. Iran
 9. Iraq
 10. Kazakhstan
 - ~~11. Kuwait~~
 12. Libya
 - ~~13. Morocco~~
 14. Nigeria
 15. Oman
 16. Papua New Guinea
 - ~~17. Qatar~~
 18. Saudi Arabia
 - ~~19. Singapore~~
 20. Syria
 21. United Arab Emirates
 22. Venezuela

In Bali (June 2013) 69 Countries Participation in JODI-Gas

Eurostat: 5 countries

- Bulgaria
- Croatia
- Latvia
- Lithuania
- Romania

IEA: 32 countries

- Australia
- Austria
- Belgium
- Canada
- Chile
- Czech Rep.
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Japan
- Korea
- Luxemburg
- Mexico
- Netherlands
- New Zealand
- Norway
- Poland
- Portugal
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- UK
- USA

APEC: 11 countries/economies

- Brunei
- China
- Chinese Taipei
- Hong Kong
- Indonesia
- Malaysia
- Peru
- Philippines
- Russia
- Thailand
- Vietnam

OLADE: 8 countries

- Barbados
- Belize
- Bolivia
- Brazil
- Ecuador
- Dominican Rep.
- Trinidad/Tobago
- Uruguay

IEF on behalf of OPEC: 2 countries

- Kuwait
- Qatar

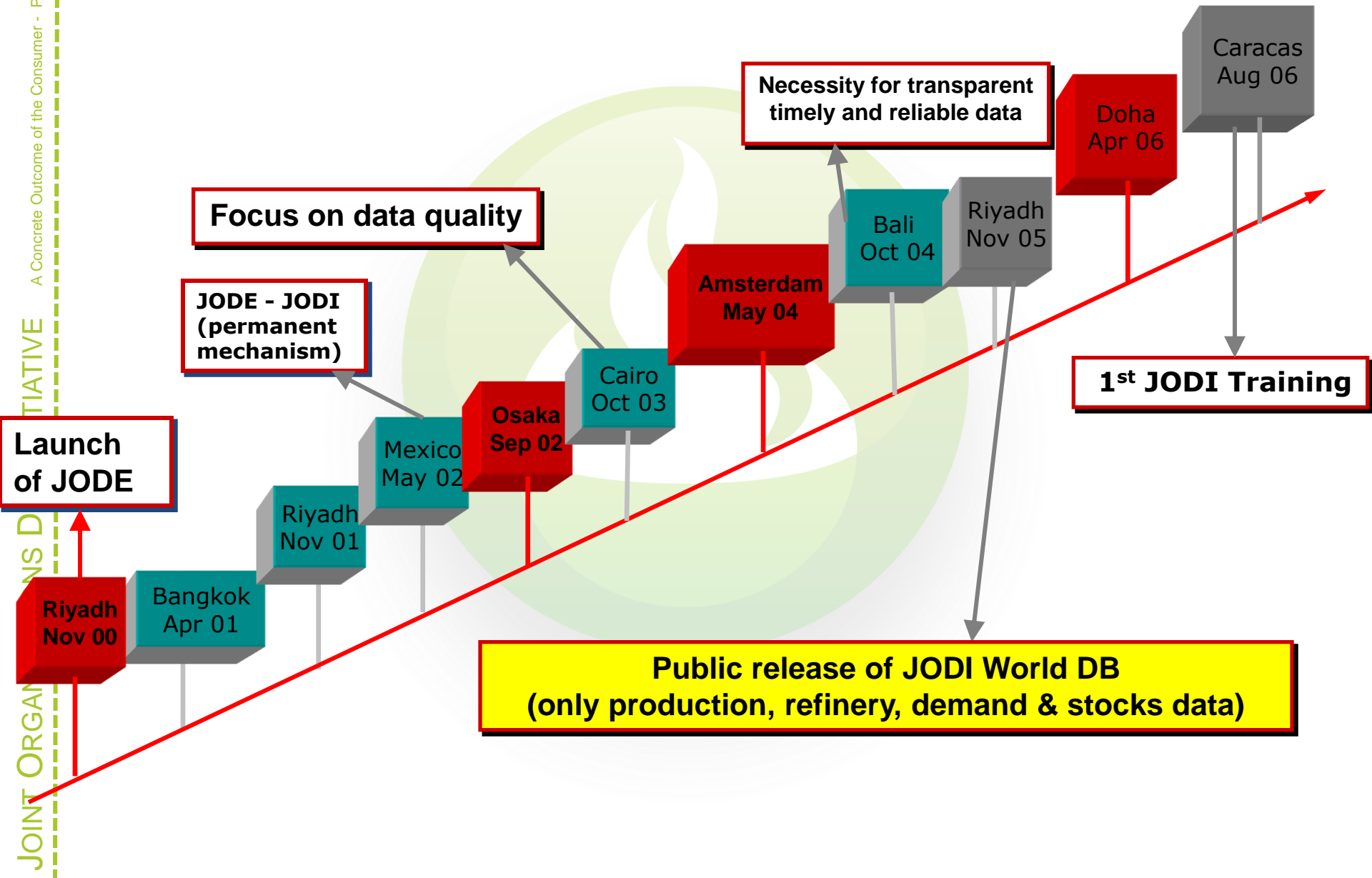
UNSD: 11 countries

- Azerbaijan
- Bahrain
- Bangladesh
- Belarus
- Egypt
- Georgia
- India
- Myanmar
- Ukraine
- South Africa
- Tunisia

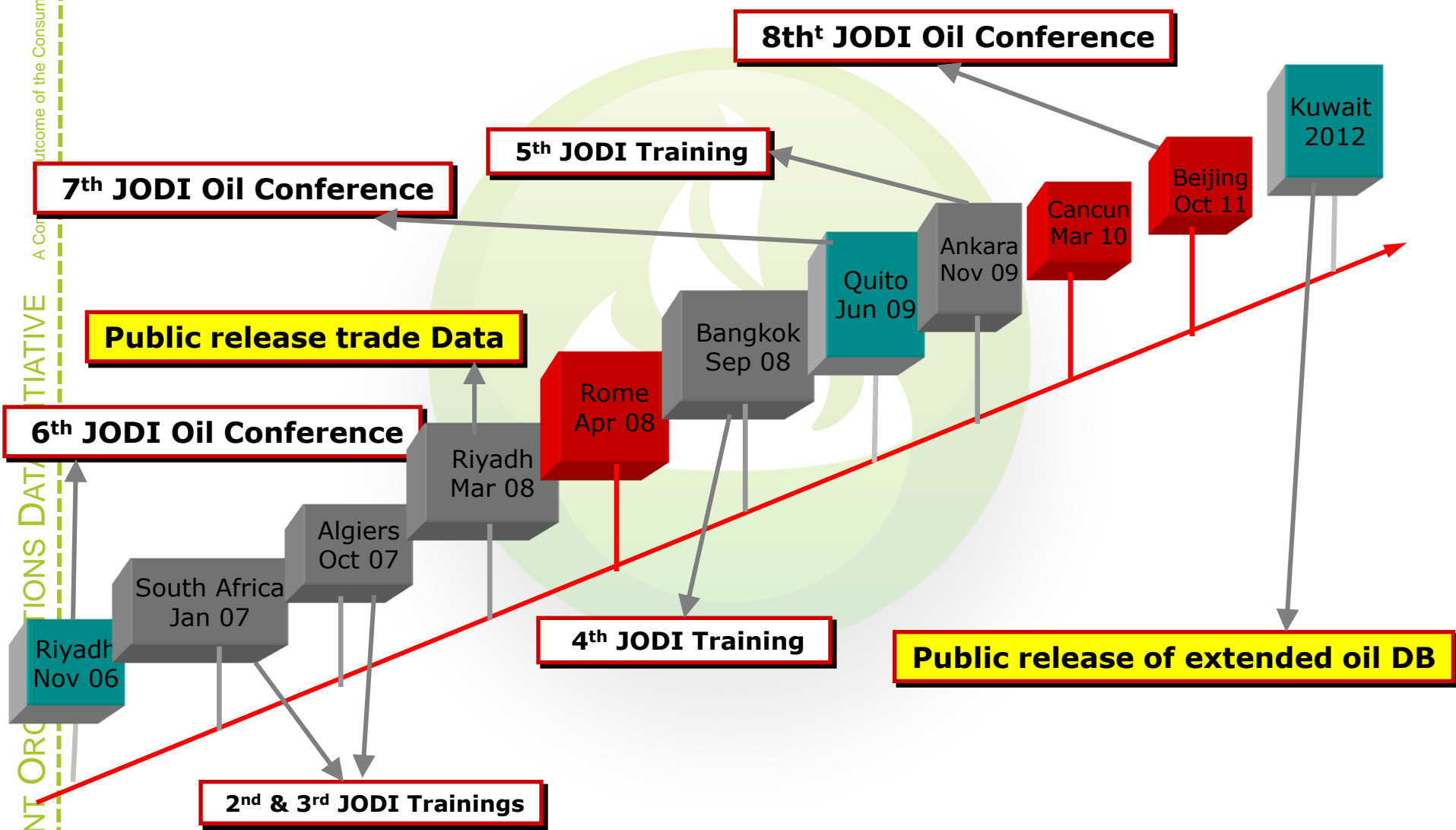
Data taken from APEC

Data taken from Eurostat

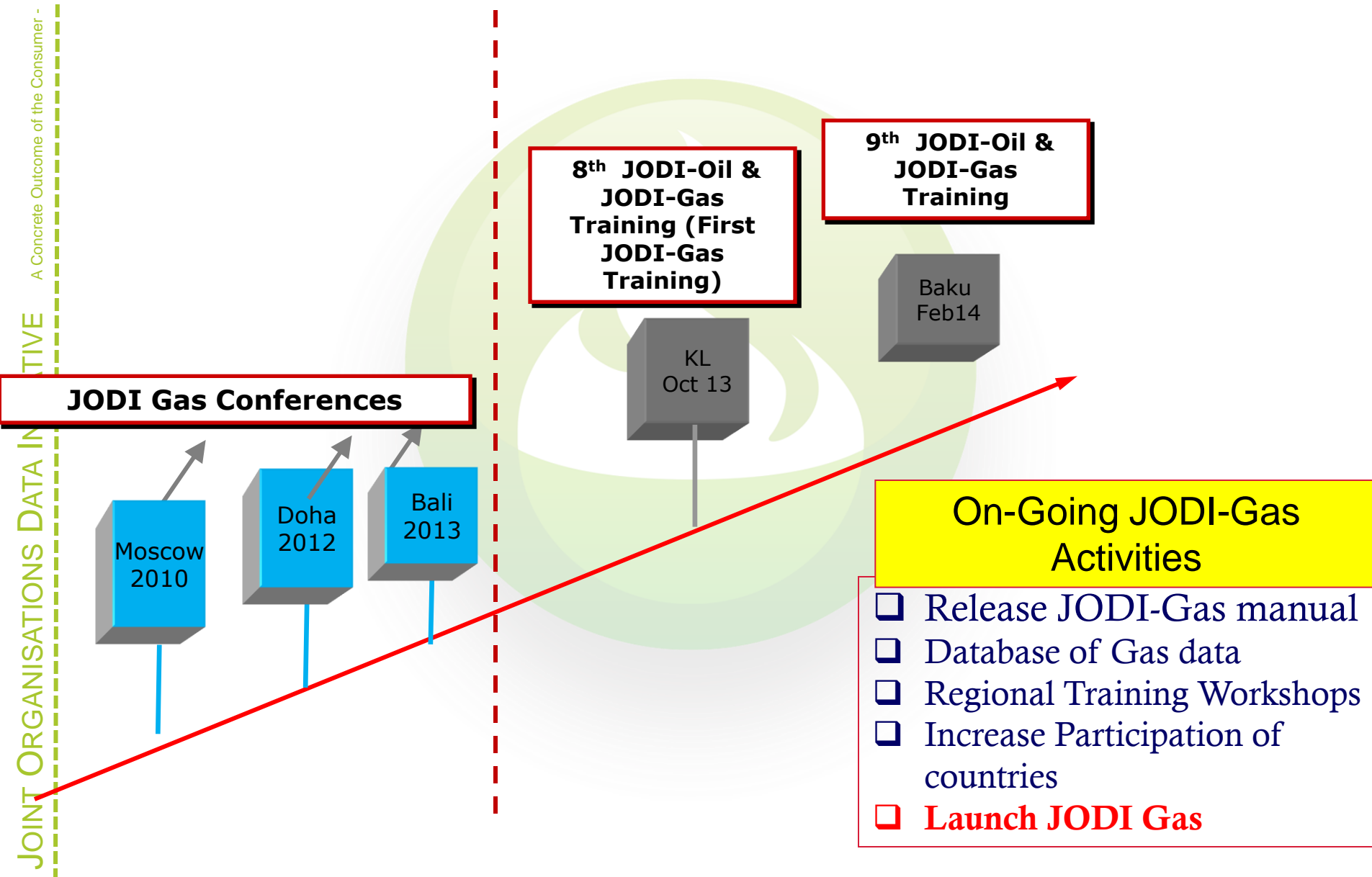
Evolution of JODI



Evolution of JODI – Continue



Evolution to JODI-Gas



Calls by IEF Ministers

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- 2014: Special Session on JODI-Gas during upcoming IEF Ministerial in Moscow on May 15-16.

Outreaching Efforts Highlights

- Workshop held in Quito in 2013 outreaching to Latin American Countries:
 - Improvements in overall submittals.
 - Argentina started submitting.
- Reaching out to IEF Members:
 - Wrote a letter to IEF Ministers in 2013
 - Morocco will start submitting
 - Singapore: They started submitting after Bali Conference
- Reaching out to key countries and organisations:
 - GECF
 - APEC Regional Training: KL Oct 2013
 - CIS & MEAN Regional Training: Baku Feb 2014
- Others:
 - G20
 - IEF SG reaching out
 - JODI Partners reaching out