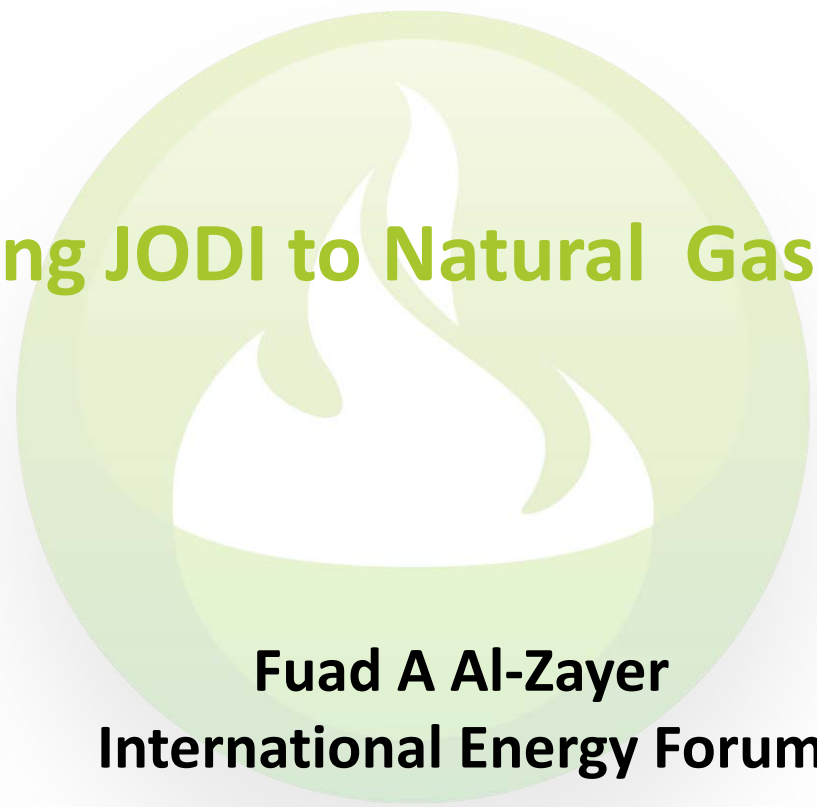


10<sup>th</sup> Regional JODI Training Workshop  
23-25 November 2014, Doha, Qatar



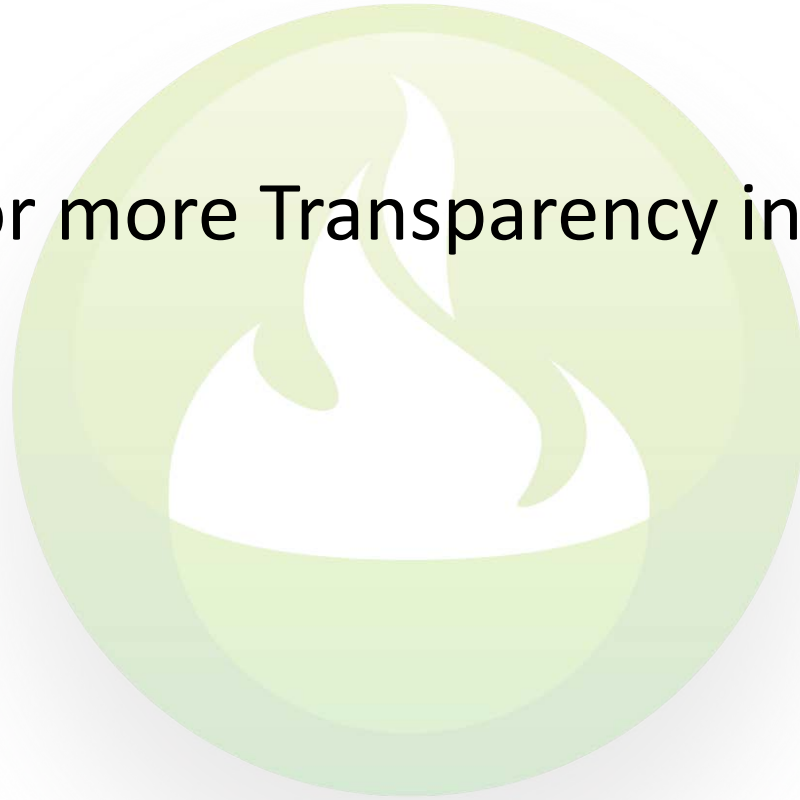
# Extending JODI to Natural Gas (JODI Gas)

**Fuad A Al-Zayer**  
**International Energy Forum**



# Why JODI Gas?

- The need for more Transparency in the Gas Market.



# Recent Changes in Gas Market

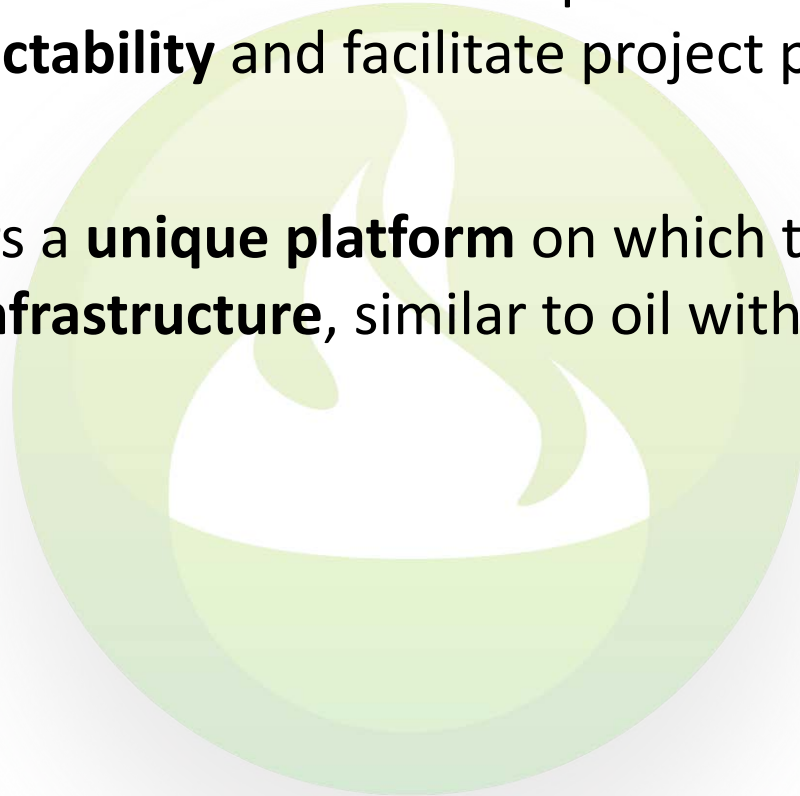
1. Increasing **globalization** of the natural gas business. (Markets are influenced by changes in supply and demand globally, as well as locally.)
2. Greater potential for **interconnections** between regional markets.
3. The increase in **shale gas** sources has reduced imports of LNG in the US.
4. 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.



10<sup>th</sup> Regional JODI Training Workshop, 23-25 November 2014, Doha, Qatar

# 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

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“

*"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

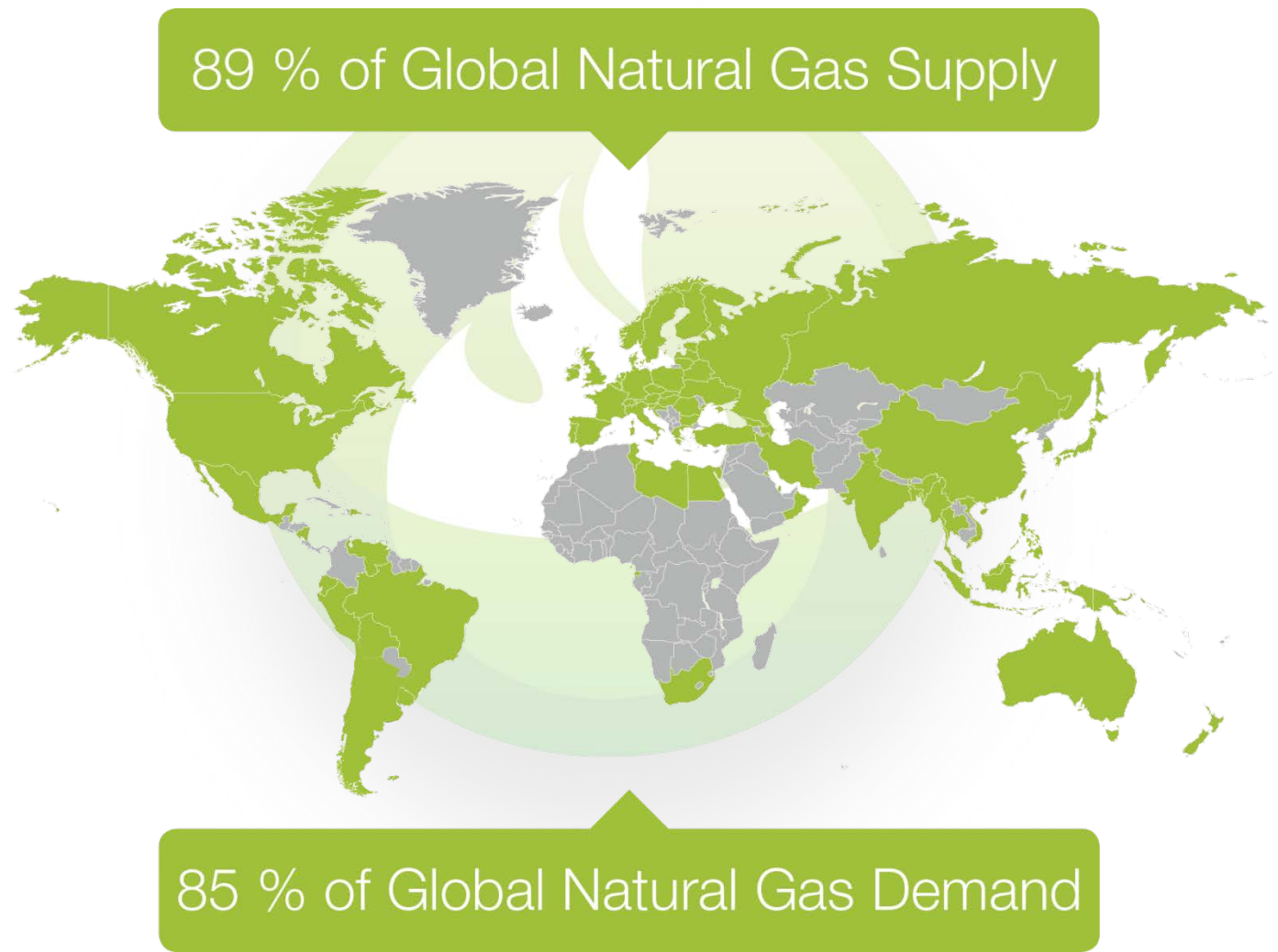
# Shared Progress in Expanding JODI to Cover Gas

- ✓ 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
- ✓ 8<sup>th</sup> Regional JODI Training Workshop Featuring JODI-Gas Oct 2013
- ✓ 9<sup>th</sup> 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



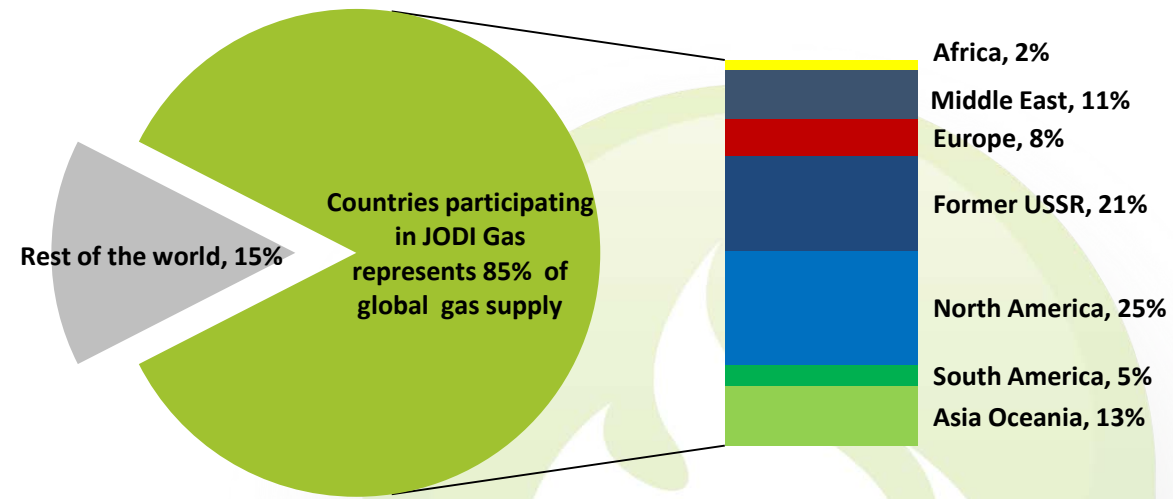
\* Number of countries who have reported to JODI-Gas at least once for a data submission month between January 2009 and January 2014



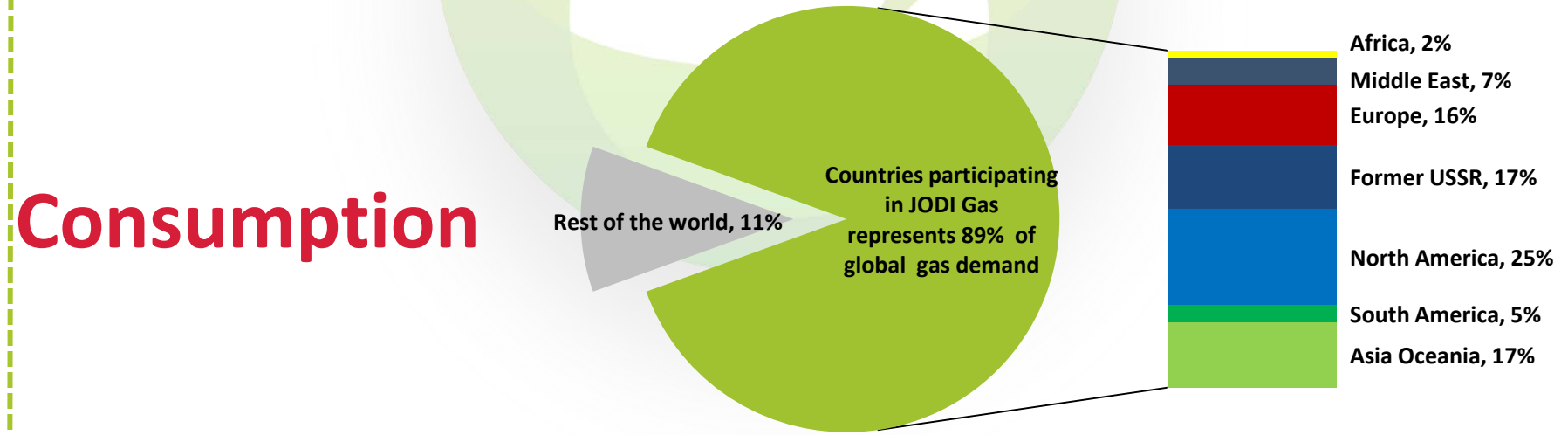
# 77\* Countries Participation in JODI-Gas

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		

# 77\* countries participate in JODI-Gas: by region



## Production

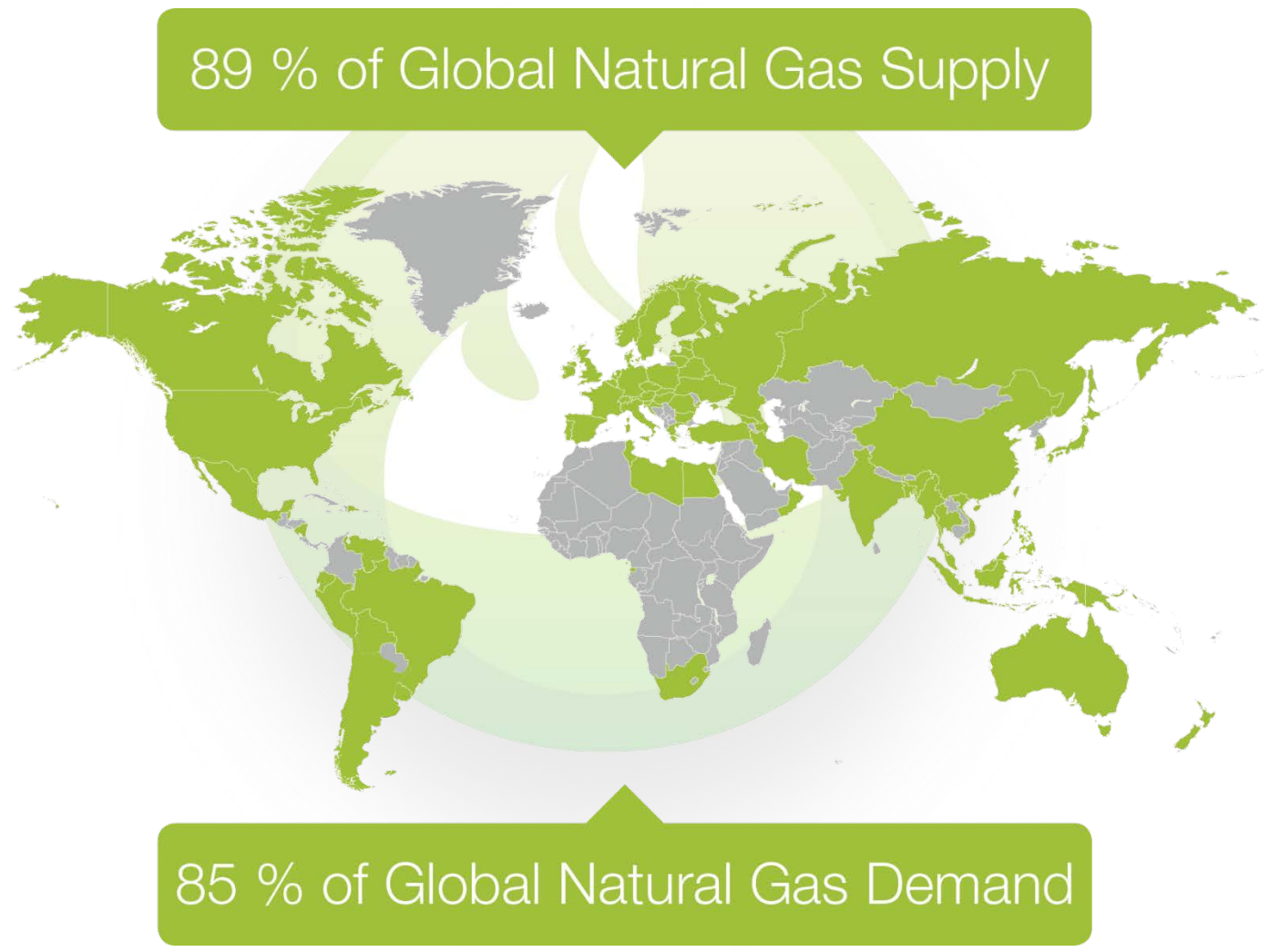


## Consumption

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

\* Number of countries who have reported to JODI-Gas at least once for a data submission month between January 2009 and January 2013

# A Need for additional countries to participate in JODI-Gas and those participating to improve submittals



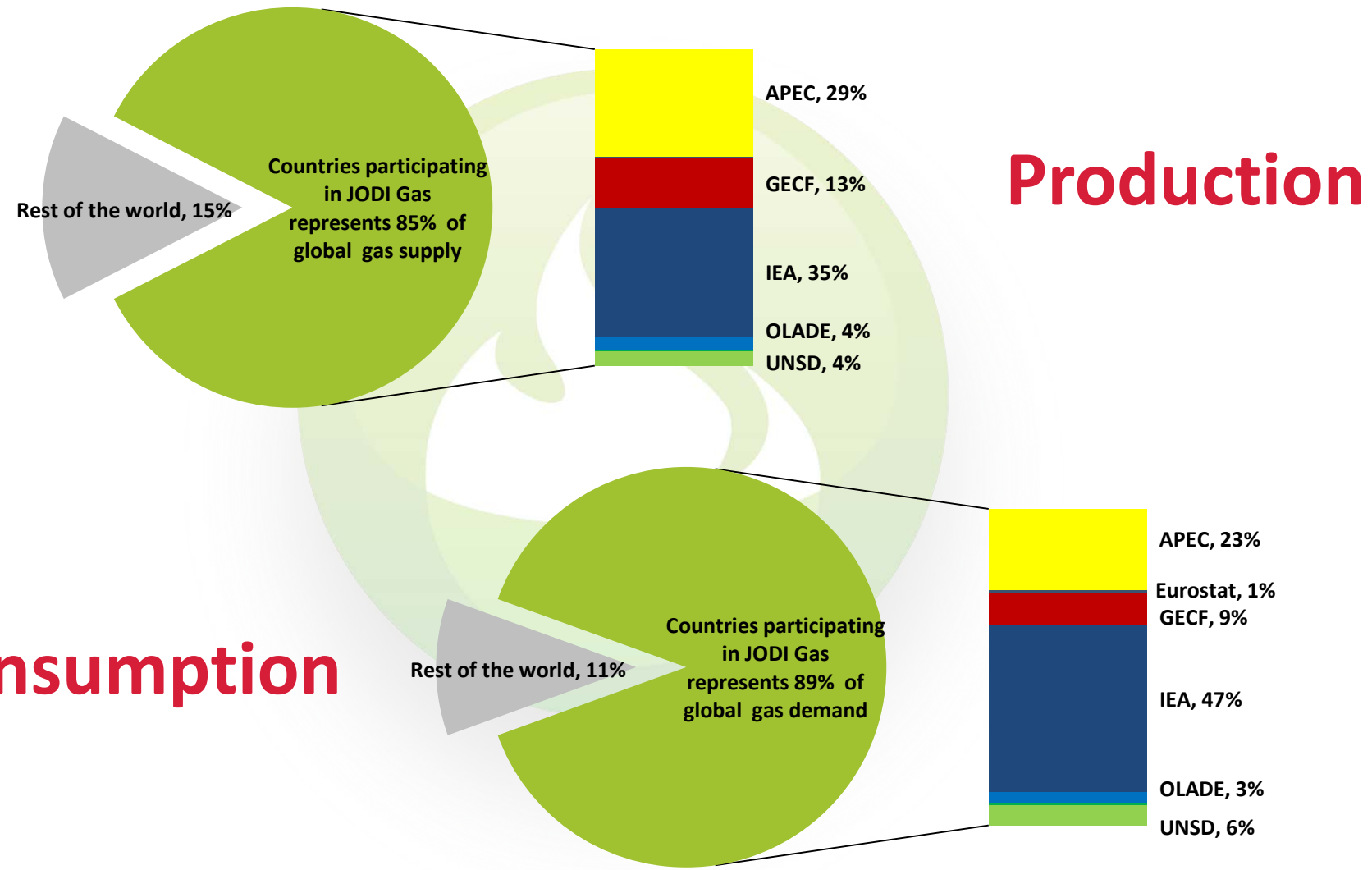
\* Number of countries who have reported to JODI-Gas at least once for a data submission month between January 2009 and January 2014







# 77\* countries participate in JODI-Gas: by organisation



Based on 2011 data  
 Source: IEA World Energy Balance 2012, JODI - IEF

\* Number of countries who have reported to JODI-Gas at least once for a data submission month between January 2009 and January 2012.

# 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**
- **Launched JODI-Gas.**



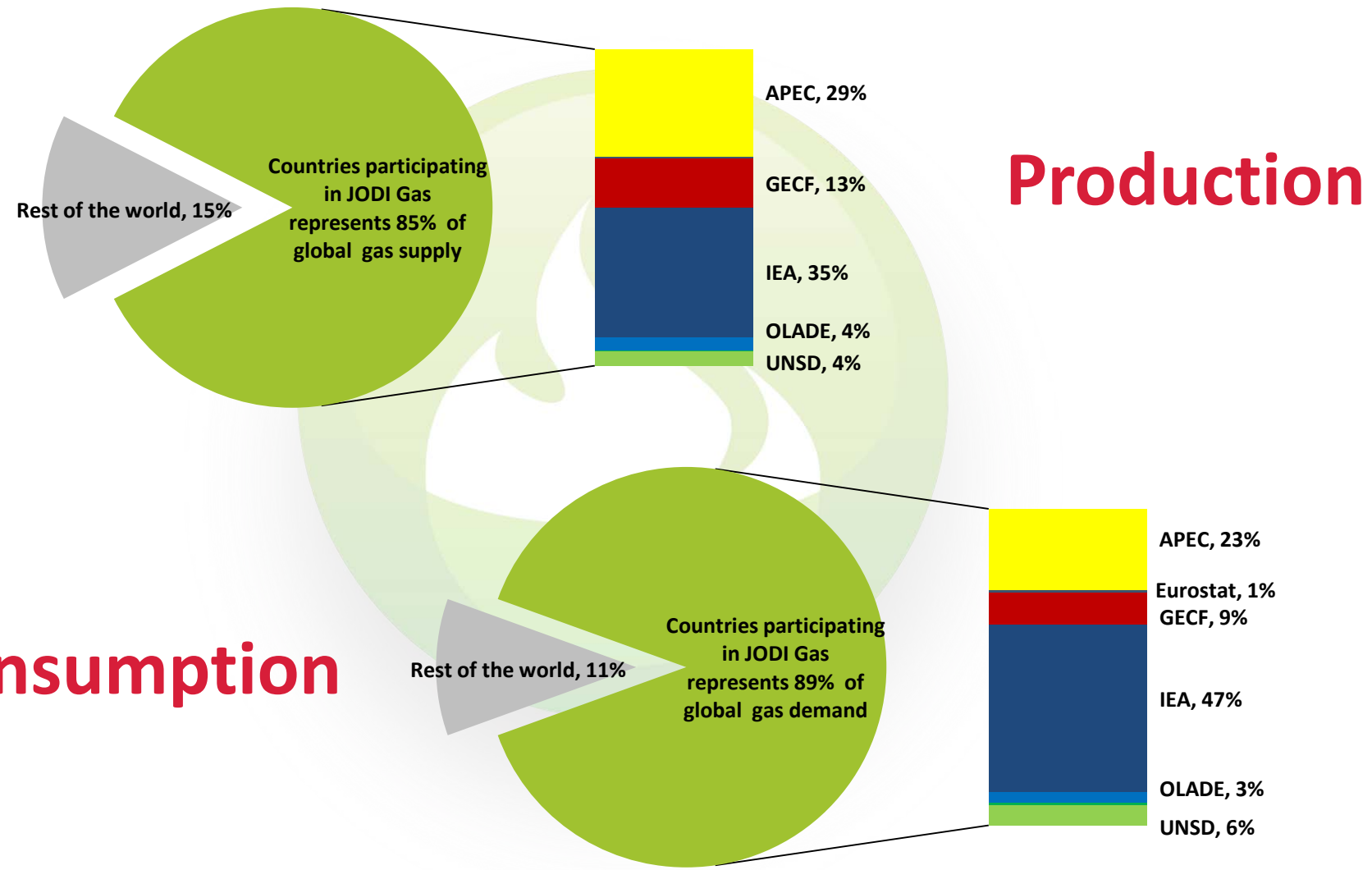
# Major Milestones Accomplished

- **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

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Iran	Venezuela	Italy	UK		
Libya		Japan	USA		

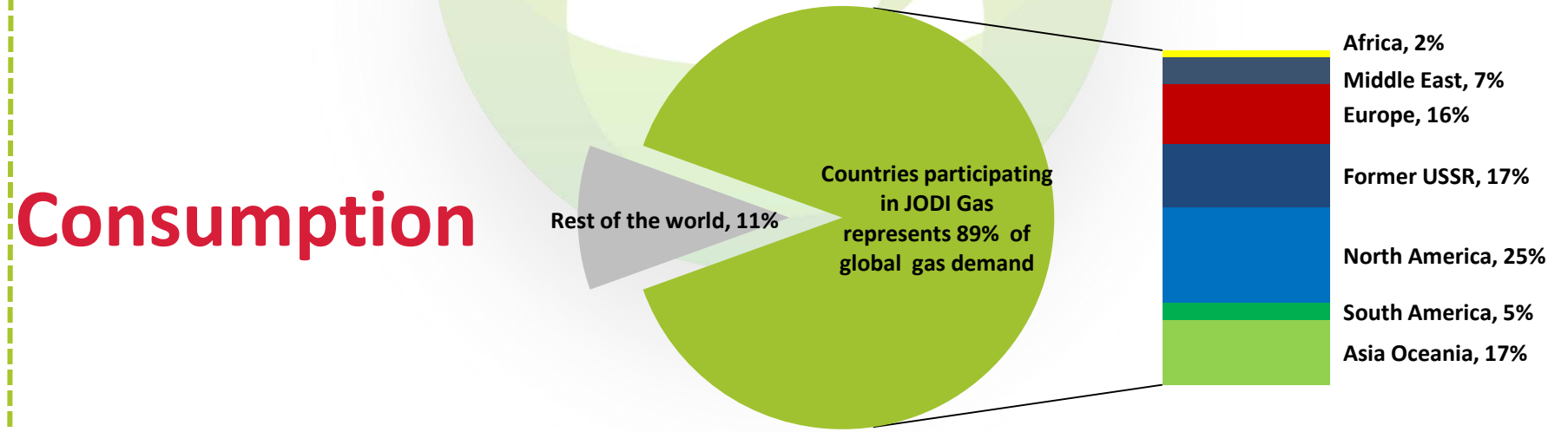
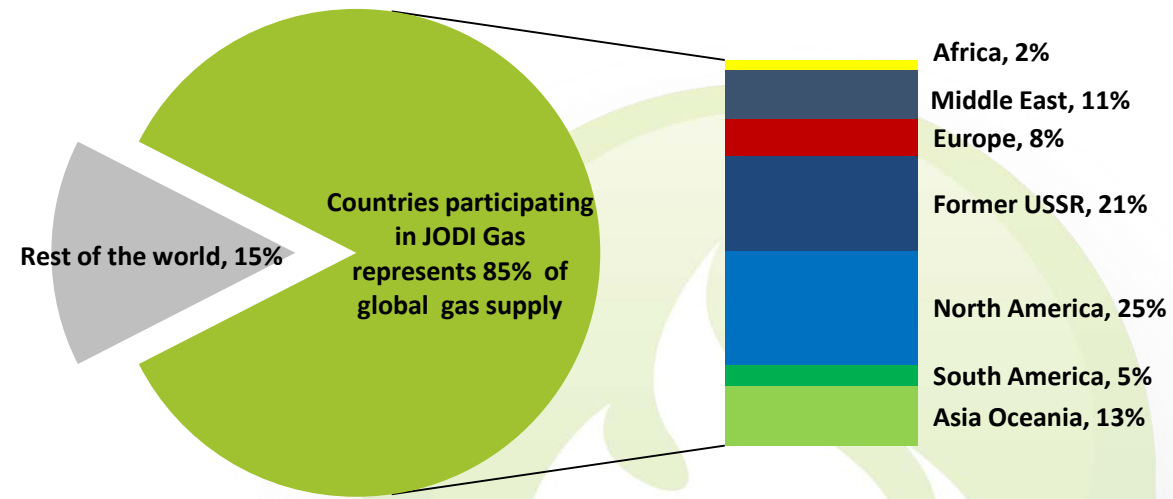
# 77\* countries participate in JODI-Gas: by organisation



Based on 2011 data  
 Source: IEA World Energy Balance 2012, JODI - IEF

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# 77\* countries participate in JODI-Gas: by region



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

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**46**

Countries/Economies meeting  
the M-1 reporting

**&**

**54**

Countries/Economies meeting  
the M-2 reporting

29

# Thank You



IEF Secretariat in Riyadh

# Back Up Slides

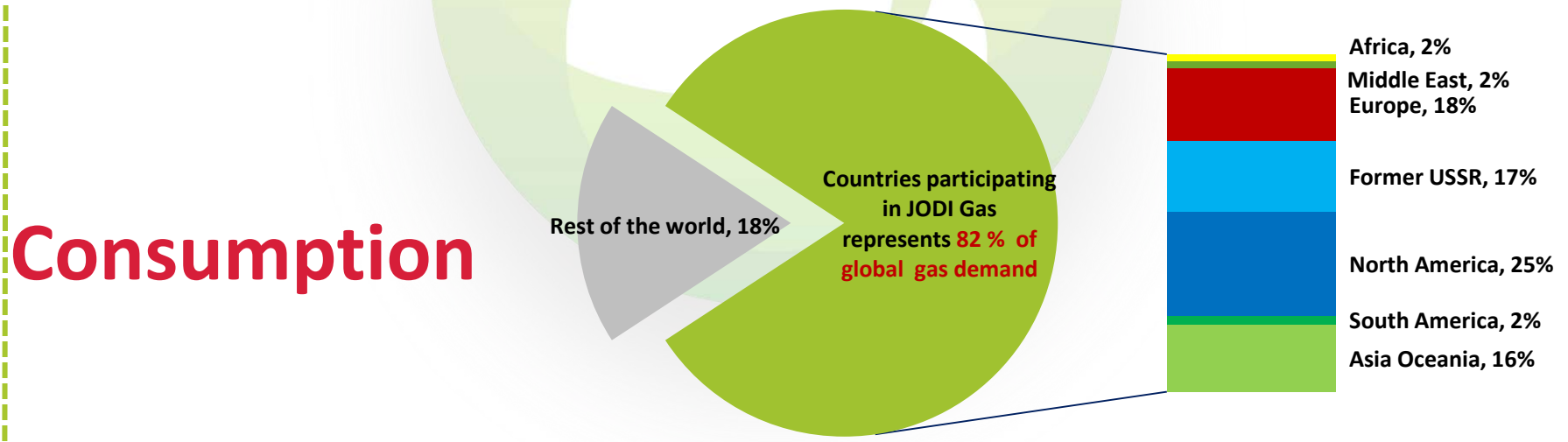
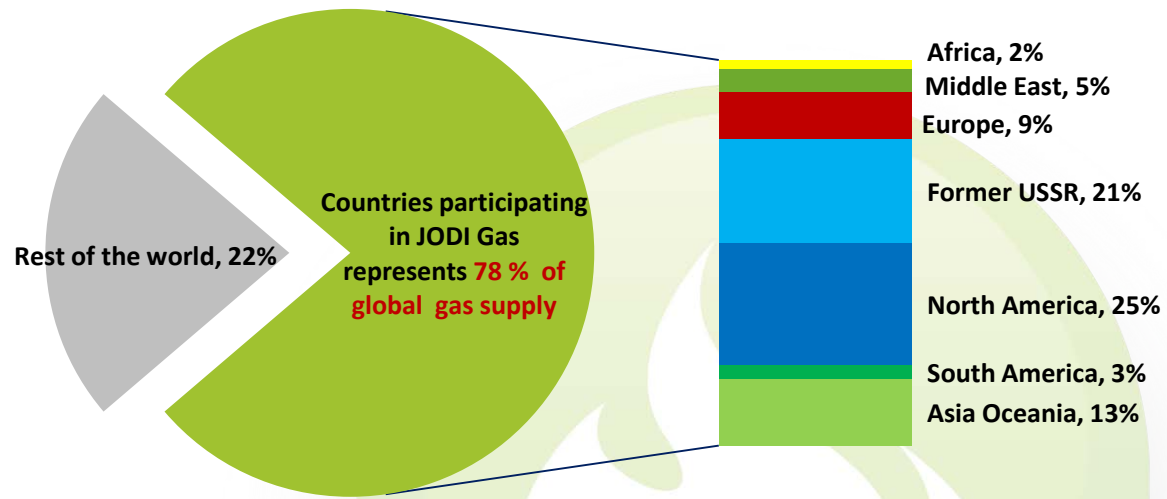


# Now 77 Countries Participation in JODI-Gas

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

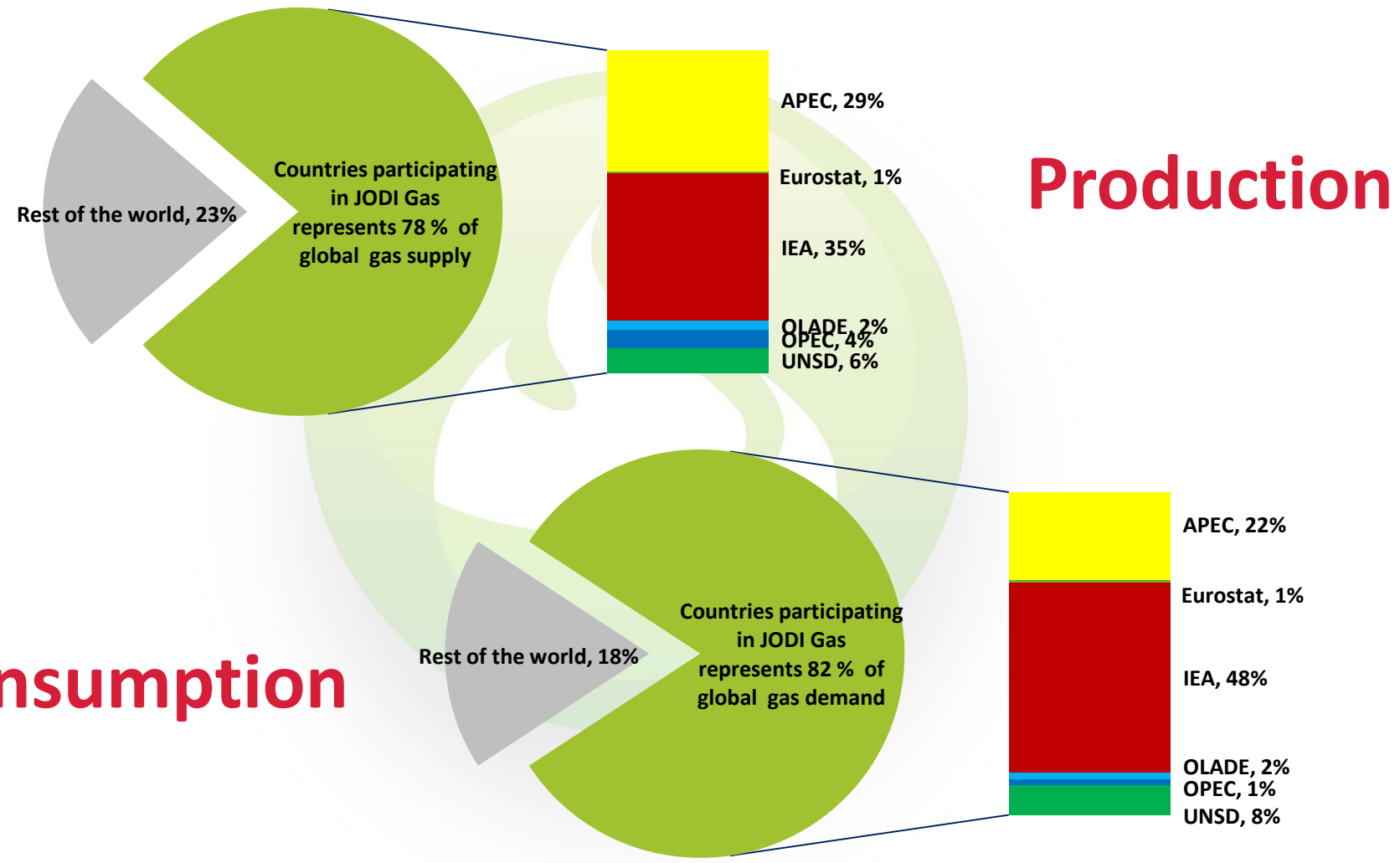


# Countries Participation in JODI-Gas: by region



Source: IEA World Energy Balance 2013, JODI - IEF

# 69 countries participate in JODI-Gas: by organisation



Source: IEA World Energy Balance 2014, JODI - IEF

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

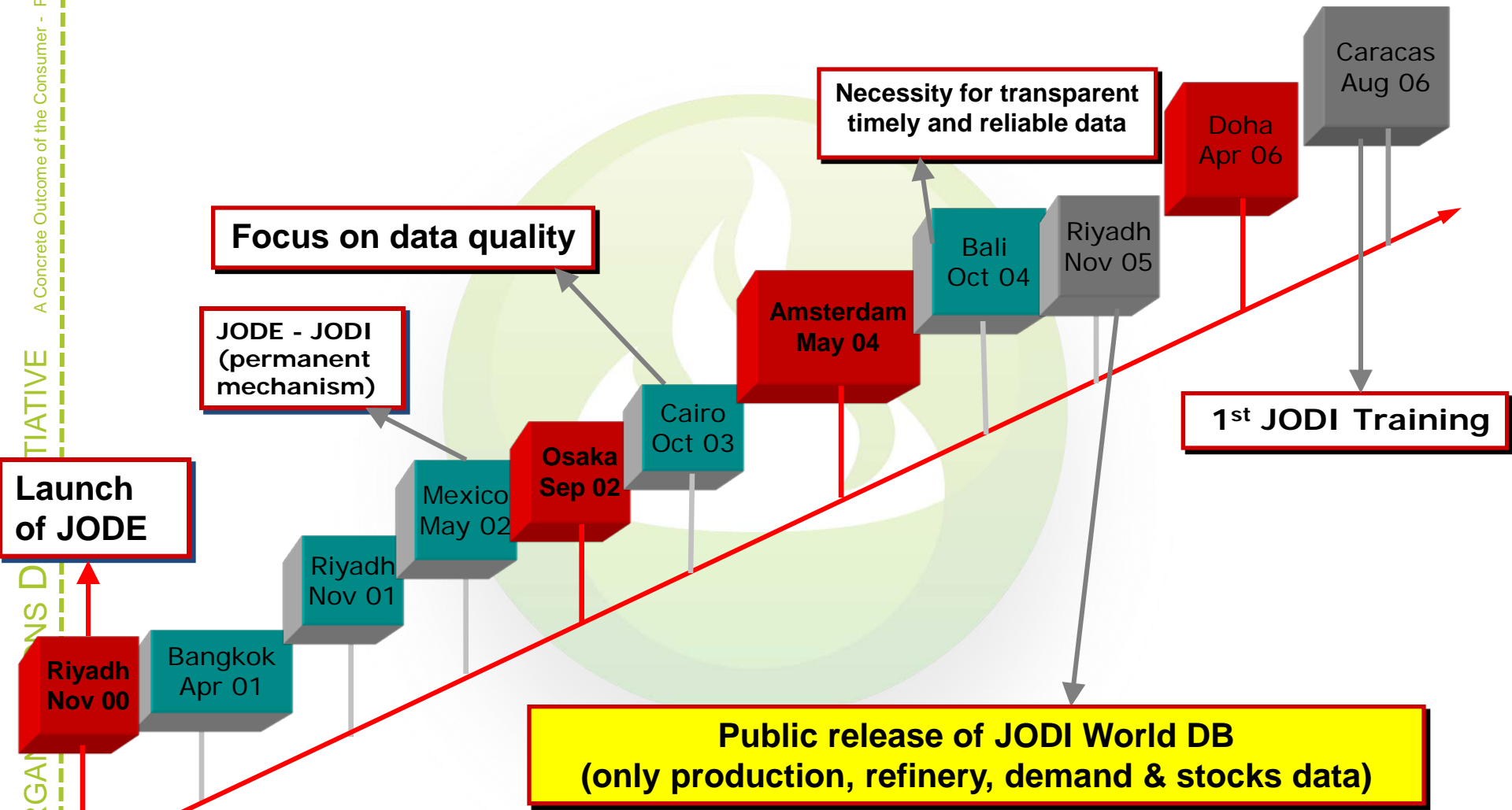
1. Algeria
2. Angola
- ~~3. Argentina~~
- ~~4. Bahrain~~
5. Colombia
6. Cuba
7. Gabon
8. Iran
9. Iraq
10. Kazakhstan
- ~~11. Kuwait~~
12. Libya
- ~~13. Morocco~~
14. Nigeria
15. Oman
16. Papua New Guinea
- ~~17. Qatar~~
18. Saudi Arabia
- ~~19. Singapore~~
20. Syria
21. United Arab Emirates
22. Venezuela



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

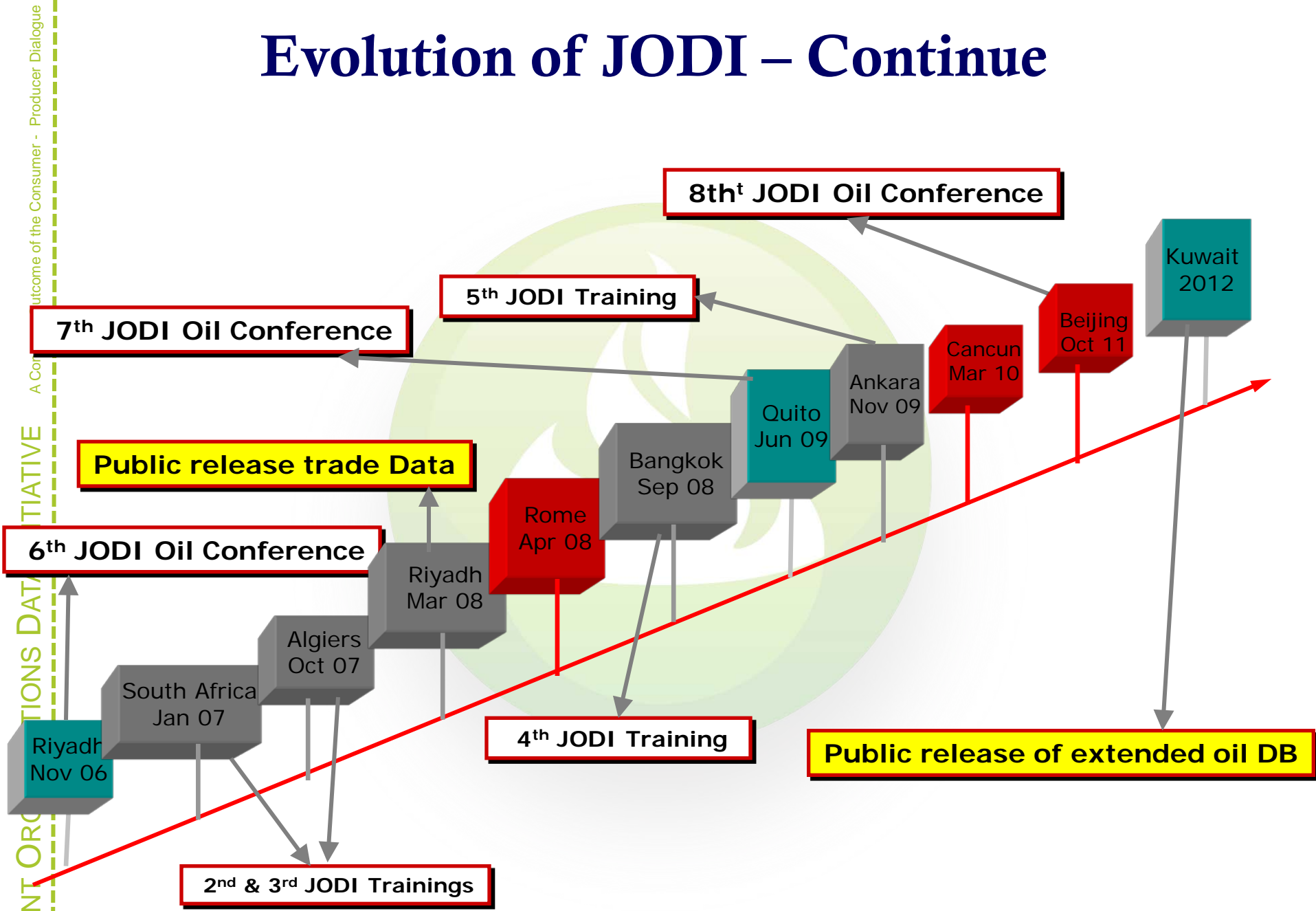
<b>Eurostat: 5 countries</b>		<b>APEC: 11 countries/economies</b>	
● Bulgaria	● Lithuania	● Brunei	● Peru
● Croatia	● Romania	● China	● Philippines
● Latvia		● Chinese Taipei	● Russia
<b>IEA: 32 countries</b>		● Hong Kong	● Thailand
● Australia	● Korea	● Indonesia	● Vietnam
● Austria	● Luxemburg	<b>OLADE: 8 countries</b>	
● Belgium	● Mexico	● Barbados	● Ecuador
● Canada	● Netherlands	● Belize	● Dominican Rep.
● Chile	● New Zealand	● Bolivia	● Trinidad/Tobago
● Czech Rep.	● Norway	● Brazil	● Uruguay
● Denmark	● Poland	<b>IEF on behalf of OPEC: 2 countries</b>	
● Estonia	● Portugal	● Kuwait	● Qatar
● Finland	● Slovakia	<b>UNSD: 11 countries</b>	
● France	● Slovenia	● Azerbaijan	● India
● Germany	● Spain	● Bahrain	● Myanmar
● Greece	● Sweden	● Bangladesh	● Ukraine
● Hungary	● Switzerland	● Belarus	● South Africa
● Ireland	● Turkey	● Egypt	● Tunisia
● Italy	● UK	● Georgia	
● Japan	● USA		
		<b>Data taken from APEC</b>	<b>Data taken from Eurostat</b>

# Evolution of JODI



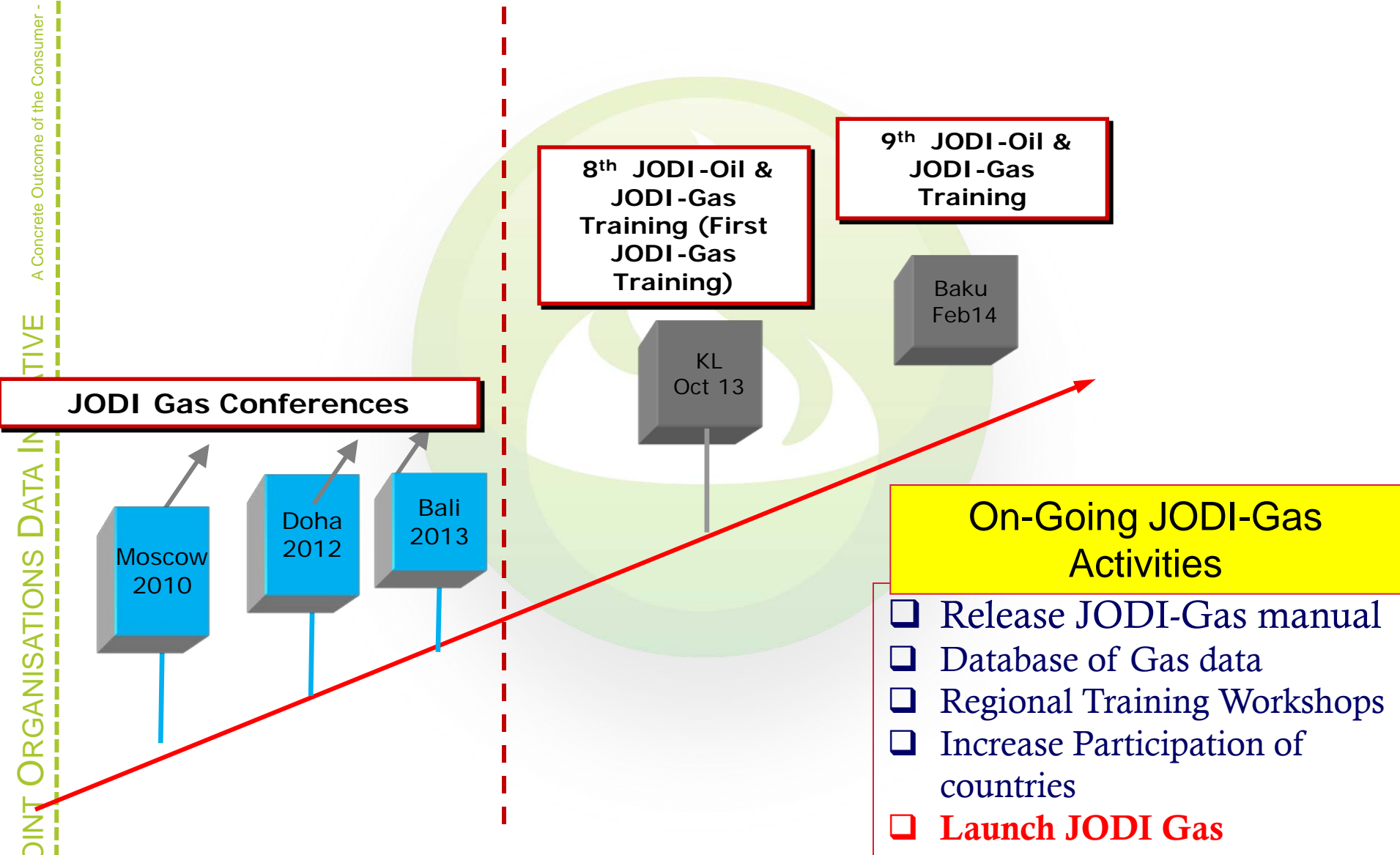
JOINT ORGANIZATION OF PETROLEUM SUPPLIERS DIALOGUE  
A Concrete Outcome of the Consumer - Producer Dialogue

# Evolution of JODI – Continue



# Evolution to JODI-Gas

JOINT ORGANISATIONS DATA INITIATIVE  
A Concrete Outcome of the Consumer - Producer Dialogue



# 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.
- 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.
- 2010: JODI-Gas supported at the 12th IEF Ministerial in Mexico.
- 2012: JODI-Gas again received strong support from Energy Ministers at the 13th IEF Ministerial in Kuwait.
- 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