

Securing Reliable Gas Supply in the Context of Sustainable Development

Anne-Sophie Corbeau, Associate Director, European Gas
January, 2007 • Geneva



CONFIDENTIAL

© 2006, All rights reserved, Cambridge Energy Research Associates, Inc., 55 Cambridge Parkway, Cambridge, Massachusetts 02142
No portion of this presentation may be reproduced, reused or otherwise distributed in any form without prior written consent.

Terms of Use

The accompanying materials were prepared by Cambridge Energy Research Associates, Inc. (CERA), and are not to be redistributed or reused in any manner without prior written consent, with the exception of client internal distribution as described below.

CERA strives to be supportive of client internal distribution of CERA content but requires that

- CERA content and information, including but not limited to graphs, charts, tables, figures, and data, are not to be disseminated outside of a client organization to any third party, including a client's customers, financial institutions, consultants, or the public.
- Content distributed within the client organization must display CERA's legal notices and attributions of authorship.

Some information supplied by CERA may be obtained from sources that CERA believes to be reliable but are in no way warranted by CERA as to accuracy or completeness. Absent a specific agreement to the contrary, CERA has no obligation to update any content or information provided to a client.



Defining Gas Supply Security



CERA®
An IHS Company

Securing Gas Supplies

A vast and multiform concept

- **Energy security is different for consumers and for producers**
 - Security of supplies at a reasonable cost for consuming countries
 - Security of demand for producers
- **A global dimension**
 - Security of gas infrastructure from production to final customers
 - Interdependence of power, gas, coal and oil/refined products supplies
- **A time dimension**
 - Meeting sudden and unexpected disruptions of gas supplies
 - Planning to avoid medium and long-term imbalances between supply and demand
 - *Investing in supply & downstream infrastructure*
 - *Energy policy has a very important role to play*

Implications for Consuming Countries

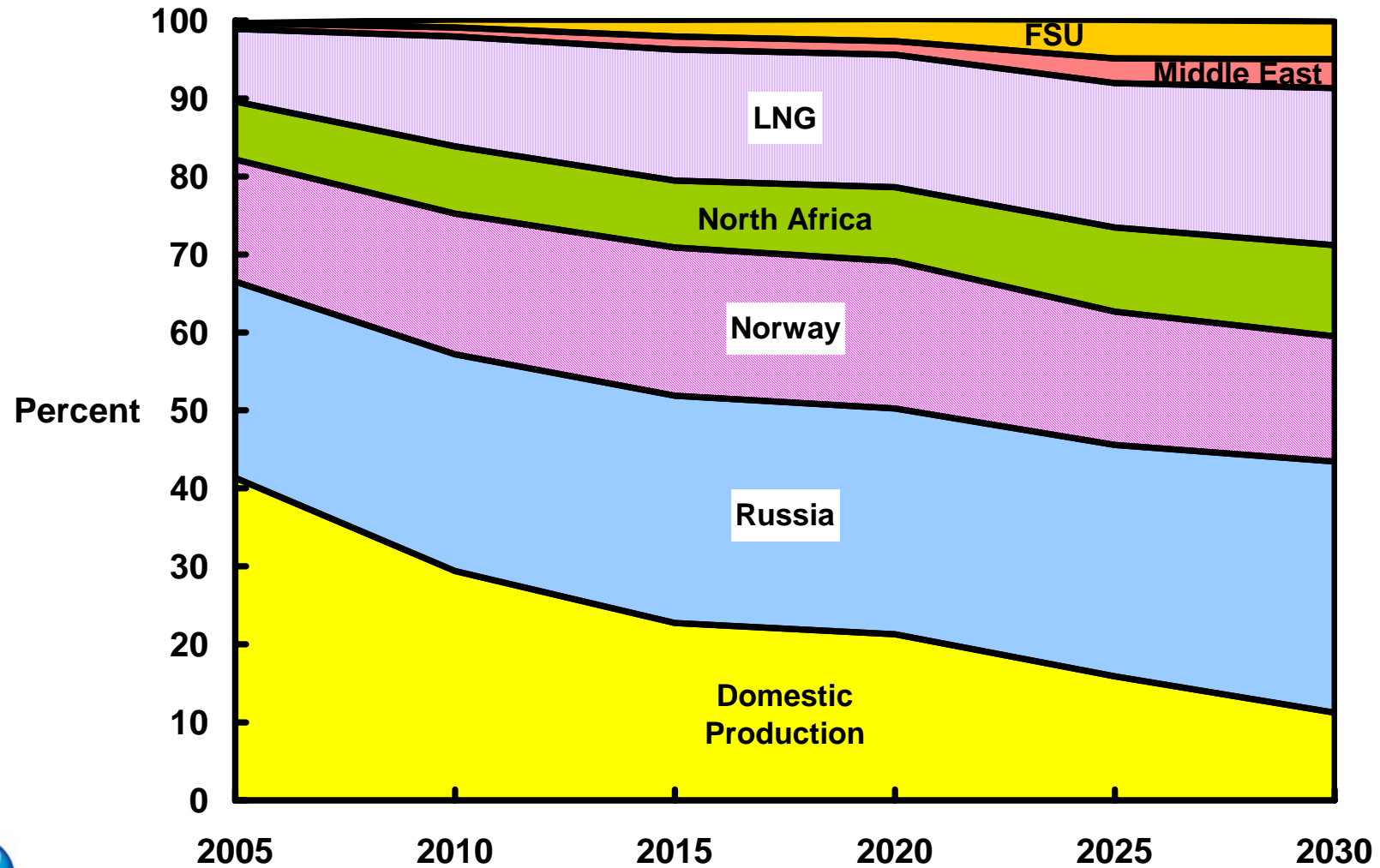
- **A reliable gas supply**
 - Diversification of gas sources
 - Diversification of suppliers and supply routes
- **Reliable gas transportation**
 - Transportation networks ought to be physically available, well maintained and expanded as required
- **Reliable distribution to the final customer**
 - Identifying the supplier of last resort
- **Environmental costs have to be associated with long-term sustainable growth**
 - Natural gas does emit CO₂
 - Part of the portfolio has to be non-CO₂ fuels

The Key Axis: Russia-Europe

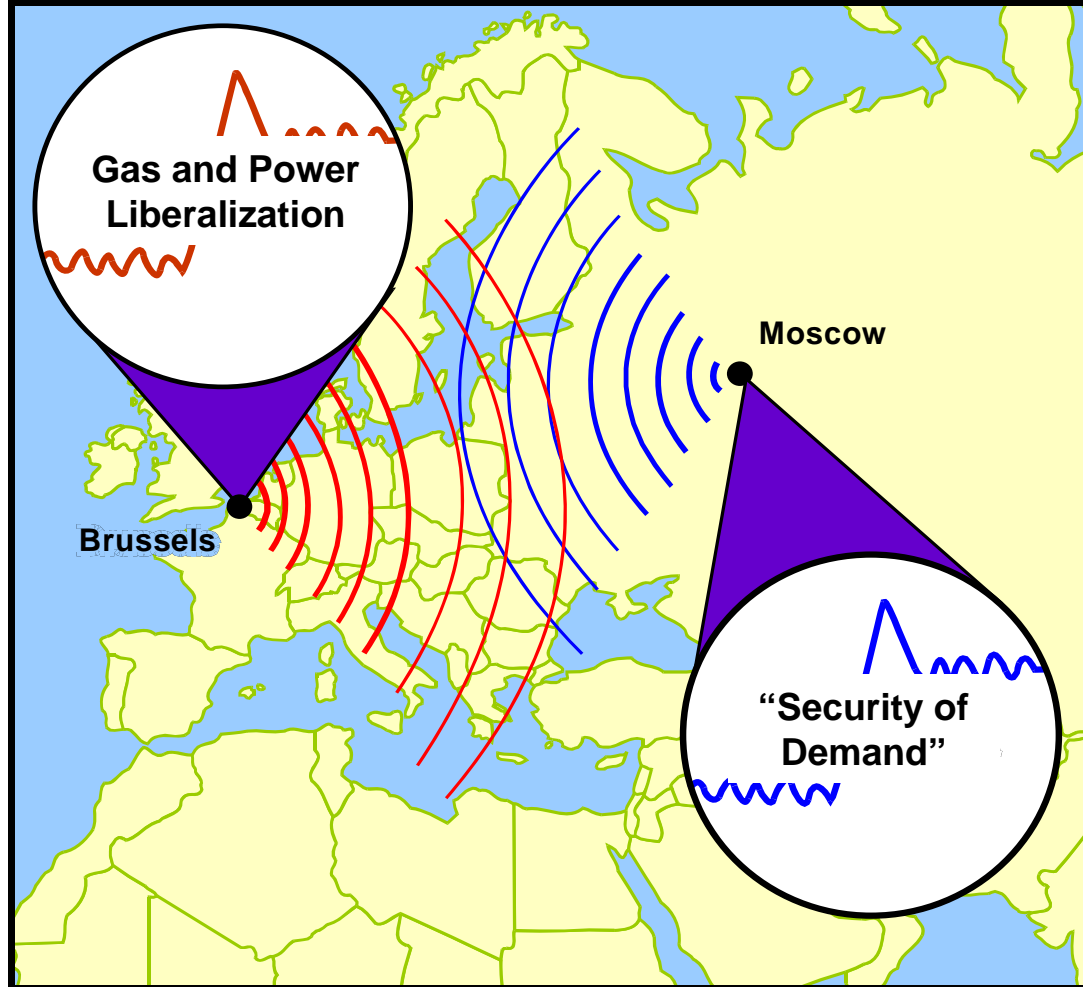


CERA®
An IHS Company

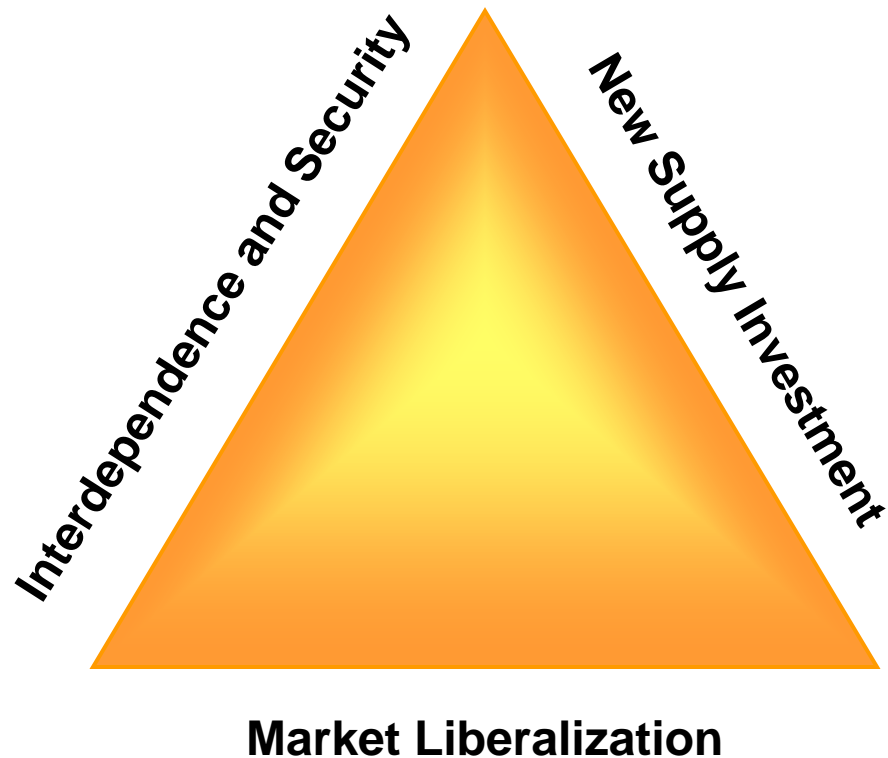
Evolution of Gas Supply Sources for Europe



Collision Course? Different Principles in an Energy Partnership?



Security, Supply, and Liberalization: Can they Converge in a Single Policy?



If you have any questions about this presentation or
CERA in general, please feel free to contact

Anne-Sophie Corbeau

+33.1.42.44.12.89

ascorbeau@cera.com



55 Cambridge Parkway
Cambridge, Massachusetts 02142, USA

www.cera.com

